By Speed Post/Online

F.No. IA-J-11011/360/2018- IA II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(IA-II Section)

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 3

Dated: 14th July, 2020

To

M/s Keltech Energies Ltd
Village Garamsur, Post Dudhala
Tehsil Katol, District Nagpur
Maharashtra – 441 103

Email: snsharma@keltechenergies.com

Sub: Expansion of Explosive Production Manufacturing Unit at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur, Maharashtra by M/s Keltech Energies Ltd - Environmental Clearance - reg.

Sir,

This has reference to your proposal No.IA/MH/IND2/83338/2018 dated 11th March 2020, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion of explosive production manufacturing unit by M/s Keltech Energies Ltd in an area of 459962.7 sqm located at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur, Maharashtra

3. The details of products and capacity are as under:

Proposed Products requiring EC				
S. No.	**Product [2]**	**Capacity**	**Storage[1]***	
1.	PETN	1,600 MTPA	200 MT	
2.	Lead Styphanate	5 MTPA	0.005 MT	
3.	Lead Azide	12 MTPA	0.005 MT	Max- 12 MTPA
4.	Mono Methyl amine nitrate (MMAN)	5000 MTPA	-	
5.	TNT (purchase/storage)	-	60 MT	Max- 100MTPA
6.	Ammonium nitrate(purchase/storage)	-	1200 MT	Max-100,000 MTPA
7.	Mono Methyl amine(purchase/storage)	-	48 MT	Max - 15000 MTPA
8.	LPG/CNG(purchase/storage)	-	48 MT	Max- 15000 MTPA

*[1]Refer schedule II & III of MSIHC Rules 1989 amended 2000; *at any time*
[2]As is or in form of compounded products-hetero-mixed stabilized formulations (physical mixing as per explosive standard)

S.No.	Proposed product not requiring EC	Maximum Quantity	DIPP license
1.	SME Bulk	20,000 MTPA	20,000 MTPA
2.	Slurry/ Emulsion	45000 MTPA	45000 MTPA
3.	Detonators	150 million Nos.	150 million Nos.
a	Shock tube	50 million meters	
b	Delay Elements	50 million Nos.	
4.	Detonating Fuse	50 Million Meters	50 Million Meters
5.	Cast Booster	200MTPA	200 MTPA
6.	Expanded Perlite	10 MT/day	NA
Note – *MTPA (metric ton per annum) & MT/day (metric ton per day)*			

Storage of Products

Existing and proposed Storage			
Explosive Product	**Existing***	**Proposed***	**Total***
Slurry & Emulsion	195 MT	220 MT	415 MT
PETN/DF/ Cast Booster	60 MT	140 MT	200 MT
HSD	20 KL	--	20 KL
Ammonium Nitrate	600 MT	600 MT	1200 MT
TNT	7 MT	53 MT	60 MT
SME	-	40 MT	40 MT
Mono Methyl amine	-	48 MT	Max. - 15000 MTPA
LPG /CNG	-	48 MT	Max. - 15000 MTPA
Styphnic acid	-	2 MT	Max. - 10 MTPA
At any time quantity as per schedule II & III of MSIHC Rules 1989 amended 2000* ***Note –* *MTPA (metric ton per annum) & MT/day (metric ton per day)*			

4. The existing land area is 459962.7 sqm, no additional land will be required for proposed expansion. The proposed activities will be established within the existing land area. Industry has developed greenbelt in an area of 234705.66 sqm covering 51% of the total area and additionally, 64345 sqm will developed covering another 14% area and thus have greenbelt in an area of 299050.66 sqm out of total area of the project. The estimated project cost is Rs.63.17 crores including existing investment of Rs. 13.57 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 0.96 crores and the recurring cost (O&M) will be about Rs. 0.295 crores per annum. The project will lead to employment for 254 persons directly & 200 persons indirectly after expansion.

5. There are no National parks, Wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km from the project site. Bor Nadi is flowing at a distance of 4.02 km in SE direction.

6. Total water requirement is estimated to be 80 cum/day, which includes fresh water requirement of 60 cum/day, proposed to be met from ground water. Effluent of 23 cum/day (Existing- 3 cum/day proposed 20 cum/day) will be treated through ETP. There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Power requirement after expansion will be 1000 KVA including existing 500 KVA and will be met from Maharashtra State Electricity distribution corporation limited (MSEDCL). Existing unit has 1x200 KVA, 1x500 KVA DG sets of 700 KVA capacity, additionally 1x500 KVA DG set are used as standby during power failure. Stack (height 8m) will be provided as per CPCB norms to the proposed DG set. Existing unit has 1 TPH Briquette fired boiler. Additionally, 3 TPH Briquette fired boiler will be installed.

Multi cyclone separator/ bag filter with a stack of height of 13 m will be installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm^3 for the proposed boilers.

7. The project/activity is covered under category A of item 5(f) 'Synthetic organic chemicals industry' of the schedule to the Environment Impact Assessment (EIA) Notification, 2006 and requires appraisal at central level by sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. The Standard terms of references (ToR) for the project was issued by the Ministry vide letter dated 3rd December, 2018. Public Hearing for the project has been conducted by the Maharashtra State Pollution Control Board on 24th July 2019, which was presided over by Additional District Collector. The main issues raised during the public hearing are related to employment to local population and noise during testing of explosives in villages homes.

9. The proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held on 11-13 May, 2020 in the Ministry, wherein the project proponent and their accredited consultant M/s Anacon Laboratories Pvt Ltd presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

10. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the public hearing issues, action plan and CER plan and found to be addressing the issues in the study area and the issues raised during the public hearing.

The Committee has observed that the project proponent has done 3D modelling, which suffice the risk assessment issues. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of Environmental Clearance.

11. The recommendations of the Expert Appraisal Committee has been examined in the Ministry. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.

12. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate change hereby accords **environmental clearance to the project for Expansion of explosive**

production manufacturing unit by M/s Keltech Energies Ltd located at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur, Maharashtra, under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-

(i) As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.

(ii) Control room shall be set up with blast proof wall all around.

(iii) Work in explosive process buildings should be confined to approved man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry / exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.

(iv) Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.

(v) Noise and vibration monitoring stations shall be set up in the project site and villages and data generated during testing/explosion shall be submitted to State PCB and Regional Office of the Ministry.

(vi) Volatile organic compounds (VOCs)/Fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.

(vii) Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65 % out of total area of the project.

(viii) Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing.

(ix) Solvent management shall be carried out as follows:

(a) Reactor shall be connected to chilled brine condenser system.

(b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages.

(c) Solvents shall be stored in a separate space specified with all safety measures.

(d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.

(e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.

(f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.

(x) Total fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/CGWA.

(xi) Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above the roof level.

(xii) Storage of explosive materials should be in specified and approved storage places (store houses and magazines) only.

(xiii) Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and Ambulance services to be made available for emergency.

(xiv) The company shall undertake waste minimization measures as below:-

(a) Metering and control of quantities of active ingredients to minimize waste.

(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.

(c) Use of automated filling to minimize spillage.

(d) Use of Close Feed system into batch reactors.

(e) Venting equipment through vapour recovery system.

(f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

(xv) As proposed the green belt of at least 5-10 m width shall be developed in nearly 65 % of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

(xvi) At least Rs.1.75 crore of the total project cost shall be allocated for Corporate Environment Responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during public consultation/hearing and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, community development etc.

(xvii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.

(xviii) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.

(xix) Safety and risk assessment suggested during the advanced modelling shall be carried out.

(xx) Risks and Hazards should be displayed at each Building in local language.

(xxi) All Rules and Guidelines of Safety and Environmental Control must be followed in transportation of Explosive & Hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.

12.1 The grant of environmental clearance is further subject to compliance of other general conditions as under:-

(i) The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.

(ii) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior

approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proppsal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(iii) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.

(iv) The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

(v) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.

(vii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

(viii) The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.

(ix) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.

(x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(xi) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

(xii) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.

(xiii) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

(xiv) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective

Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.

(xv) The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.

(xvi) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at **https://parivesh.nic.in/**. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

(xvii) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

(xviii) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

13. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

14. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

15. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

16. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

17. This issues with approval of the competent authority.

(Dr. R. B. Lal)
Scientist 'E'/Additional Director

(डा. आर. बी. लाल)
(Dr. R. B. LAL)
वैज्ञानिक 'ई'/Scientist 'E'
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Min.of Environment,Forest and Climate Change
भारत सरकार, नई दिल्ली
Govt. of India, New Delhi

Copy to:-

1. The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1

2. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai – 32.

3. The Member Secretary, Central Pollution Control Board, ParíveshBhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32

4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th Floor, Opp. Cine Planet, Sion Circle, Mumbai - 22

5. The District Collector, District Nagpur (Maharashtra)

6. Guard File/Monitoring File/Website/Record File

(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tele-fax: 011-24695362
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EC COMPLIANCE REPORT

&

ENVIRONMENTAL STATUS REPORT
(October 2024 – March 2025)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

Environmental Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
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Website: *www.anaconlaboratories.com*

MAY – 2025

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INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala, Tehsil Katol under District Nagpur by M/s. Keltech Energies Limited of an area of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, the entire effluent treated in ETP having capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.	There are only two sources of fugitive emissions-nitration and granulation. At both these

Sr. No.	EC Conditions	Compliance
		places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). Due to second wave of COVID-19 the project implementation has been delayed and phase-2 is in progress and may be completed in Mar-2026. The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents are reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures as per PESO guidelines
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent

Sr. No.	EC Conditions	Compliance
		condensers with chilled brine circulation.
x.	Total Fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/ CGWA	Agreed. CGWB NOC attached **Annexure IV**.
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places. (store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by-product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.

Sr. No.	EC Conditions	Compliance
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area, mainly along the plant periphery, in downward wind direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department.	Yes, condition being complied.
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed. Total expenditure as per CER budget so far Rs. 1,20,64,052/-, details attached as **Annexure-V.**
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed. Installed CMS system for ETP water and Stack and is connected with CPCB and MPCB server.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site-specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have prepared conservation plan and wildlife management plan and submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate Change. In case of Deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I and II.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-	Yes, being complied. Training is imparted to all

Sr. No.	EC Conditions	Compliance
	employment and routine periodical medical examinations for all the employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	employees on safety and health aspects of chemical handling.
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six-month compliance report and EC to be published on the company website.	Yes agreed. This being the 9th six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of

Sr. No.	EC Conditions	Compliance
		MoEF&CC, the respective zonal office of CPCB and MPCB.
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure III.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity commenced from Dec 2021 and expected completion June 2024 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103 and Maharashtra. The project site lies at the Latitude: $21^0$09'16.40" N, and Longitude: $78^0$44'18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out. The site is located at the proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I & II.**

TABLE 2.1: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

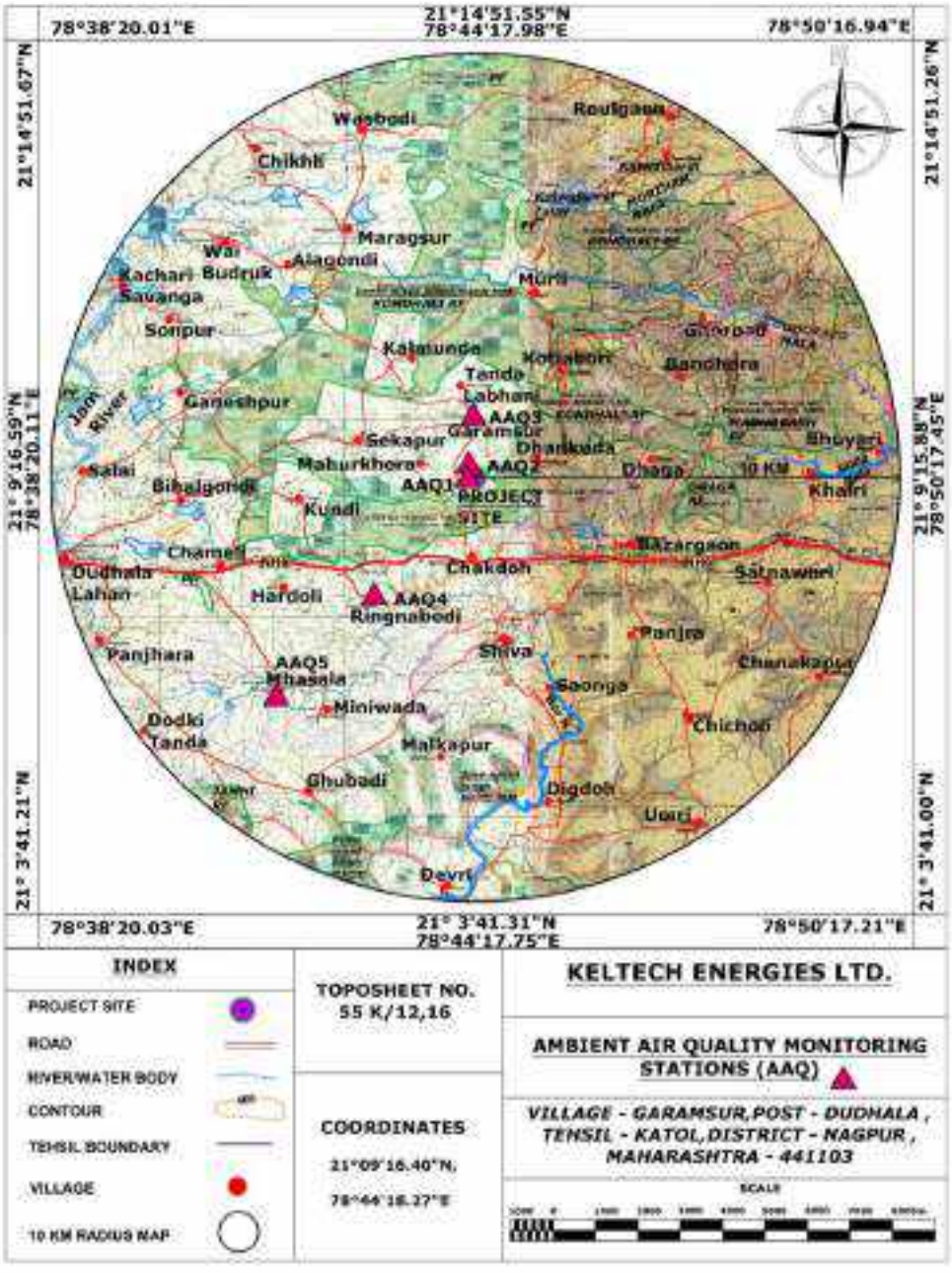


FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

Ambient Air Quality Results and Graphical Interpretation –

TABLE 2.2: SUMMARY OF AAQ POLLUTANT – PM_{10}

Sl. No.	Name of Location	DECEMBER – 2024	MARCH – 2025
1.	Main Gate	58.6	62.3
2.	Process Area	67.2	68.7
3.	Garamsur	67.2	63.8
4.	Mhasala	61.8	70.2
5.	Ringnabodi	78.3	71.3

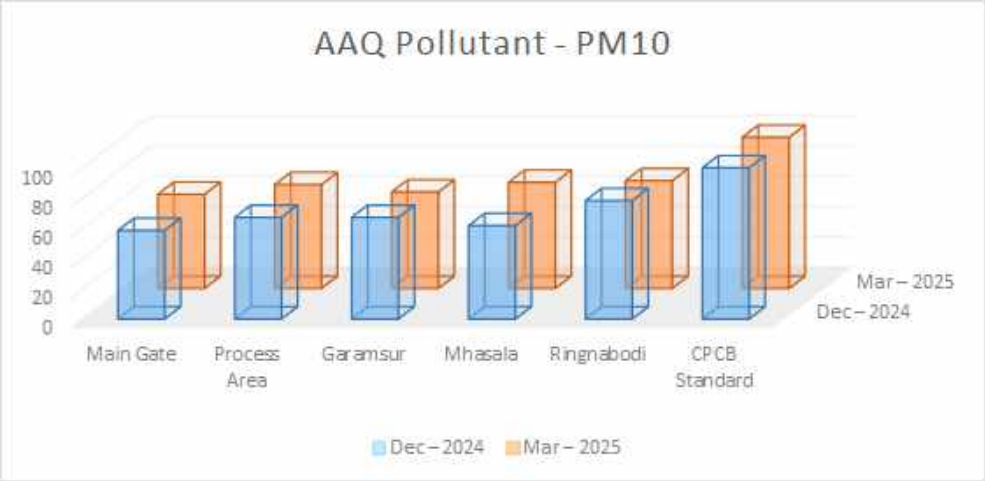


TABLE 2.3: SUMMARY OF AAQ POLLUTANT – $PM_{2.5}$

Sl. No.	Name of Location	DECEMBER– 2024	MARCH – 2025
1.	Main Gate	22.2	25.8
2.	Process Area	24.8	25.9
3.	Garamsur	25.7	21.5
4.	Mhasala	22.9	22.6
5.	Ringnabodi	29.1	30.5

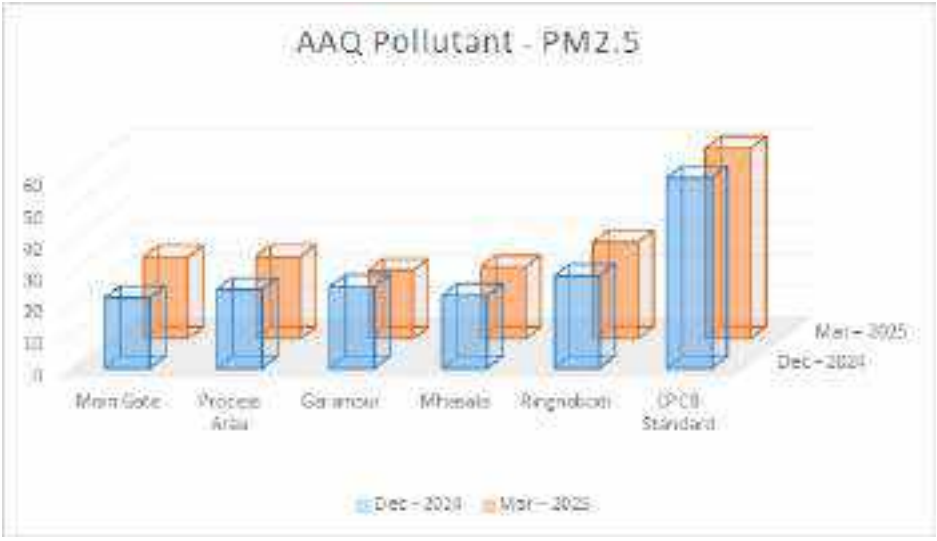


TABLE 2.4: SUMMARY OF AAQ POLLUTANT – SO_2

Sl. No.	Name of Location	DECEMBER – 2024	MARCH – 2025
1.	Main Gate	11.9	13.9
2.	Process Area	14.9	12.9
3.	Garamsur	10.9	9.9
4.	Mhasala	8.94	12.9
5.	Ringnabodi	12.9	13.9

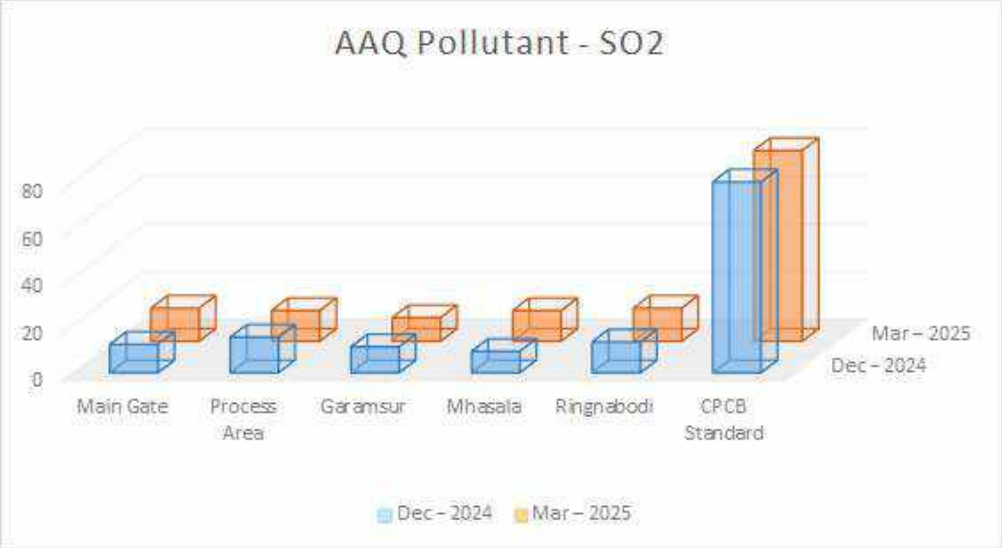
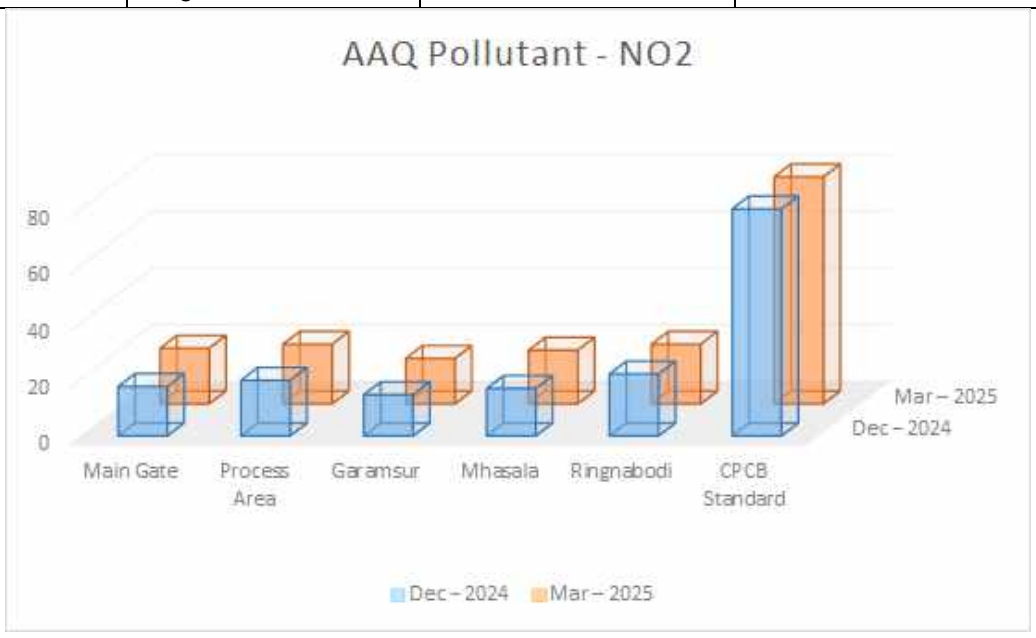


TABLE 2.5: SUMMARY OF AAQ POLLUTANT – NO_2

Sl. No.	Name of Location	DECEMBER – 2024	MARCH – 2025
1.	Main Gate	17.4	19.6
2.	Process Area	19.6	21
3.	Garamsur	14.5	16
4.	Mhasala	16.7	18.9
5.	Ringnabodi	21.8	21



RESULTS & DISCUSSION

These monitored values represent quite satisfactory condition regarding Air Quality in & around the Plant area in comparison of the National Ambient Air Quality standards (NAAQS).

STACK EMISSION:

Operations of different stacks are going-on and monitoring was carried out for emissions. All stacks have been monitored during reporting period from December -2024 to April -2025 for required parameters. Result is presented in below table.

Particulars	Unit	Boiler – 1 TPH		Unit	DG Set – 1 (200 kVA)		DG Set – 2 (500 kVA)	
		Dec-24	Mar-25		Dec-24	Mar-25	Dec-24	Mar-25
Stack Internal Diameter	Meter	0.72	0.72	Meter	0.203	0.203	0.203	0.203
Flue gas Temp	°C	118	114	°C	112	105	142	158
Flue Gas Velocity	m/s	8.68	10.31	m/s	11.91	11.26	15.94	14.31
Particulate Matter	mg/Nm^3	42.7	48.2	Gm/kw-hr	0.087	0.069	0.16	0.22
Sulphur Dioxide	mg/Nm^3	173.9	157.3	Gm/kw-hr	0.04	0.06	0.03	0.05
Oxide of Nitrogen	mg/Nm^3	114.2	135.8	Gm/kw-hr	1.16	1.323	1.197	1.234

RESULTS & DISCUSSION

The observations show that stack emissions are well within standards as per CPCB guidelines and MPCB Consent.

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3.1: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

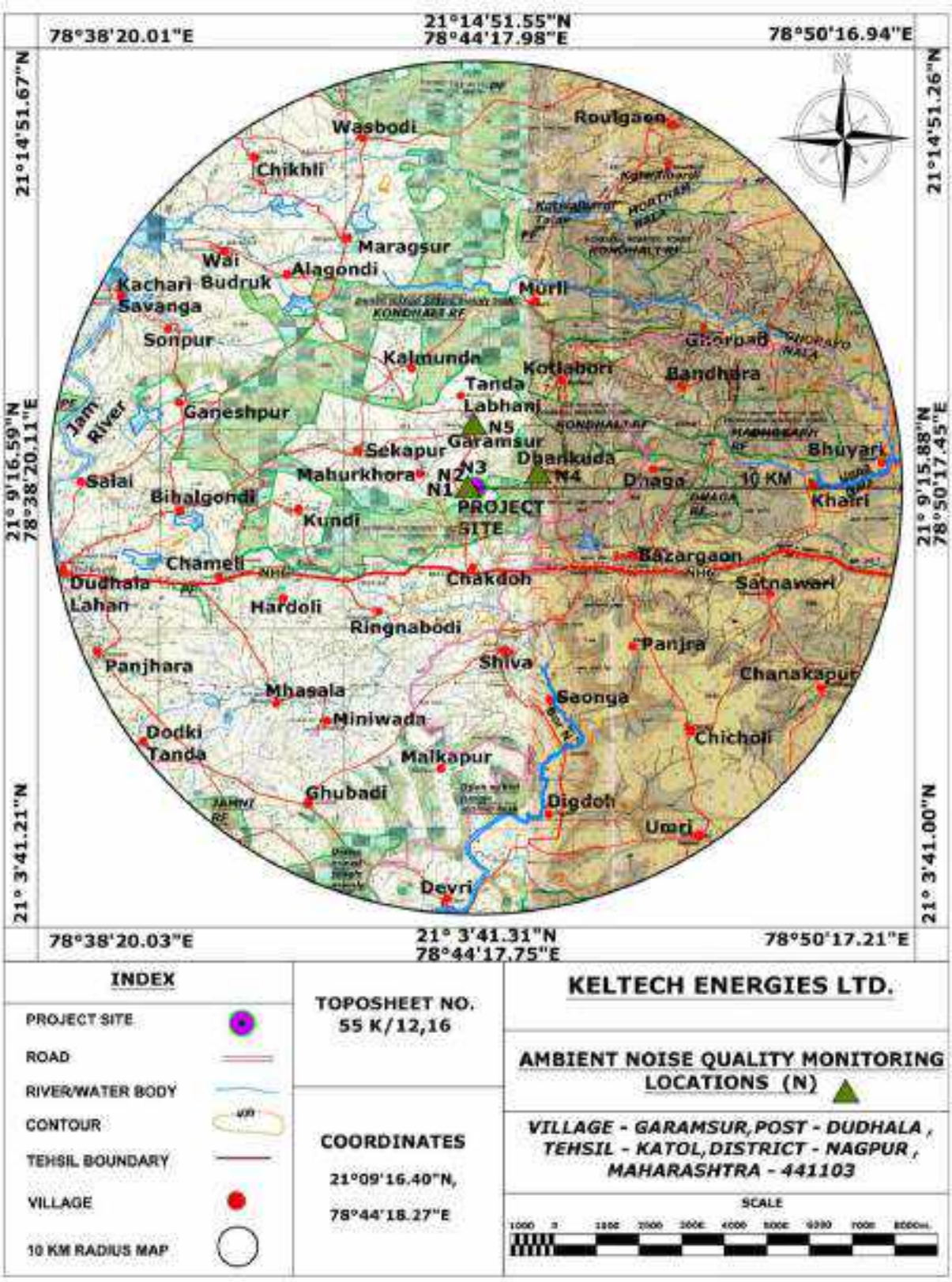


FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

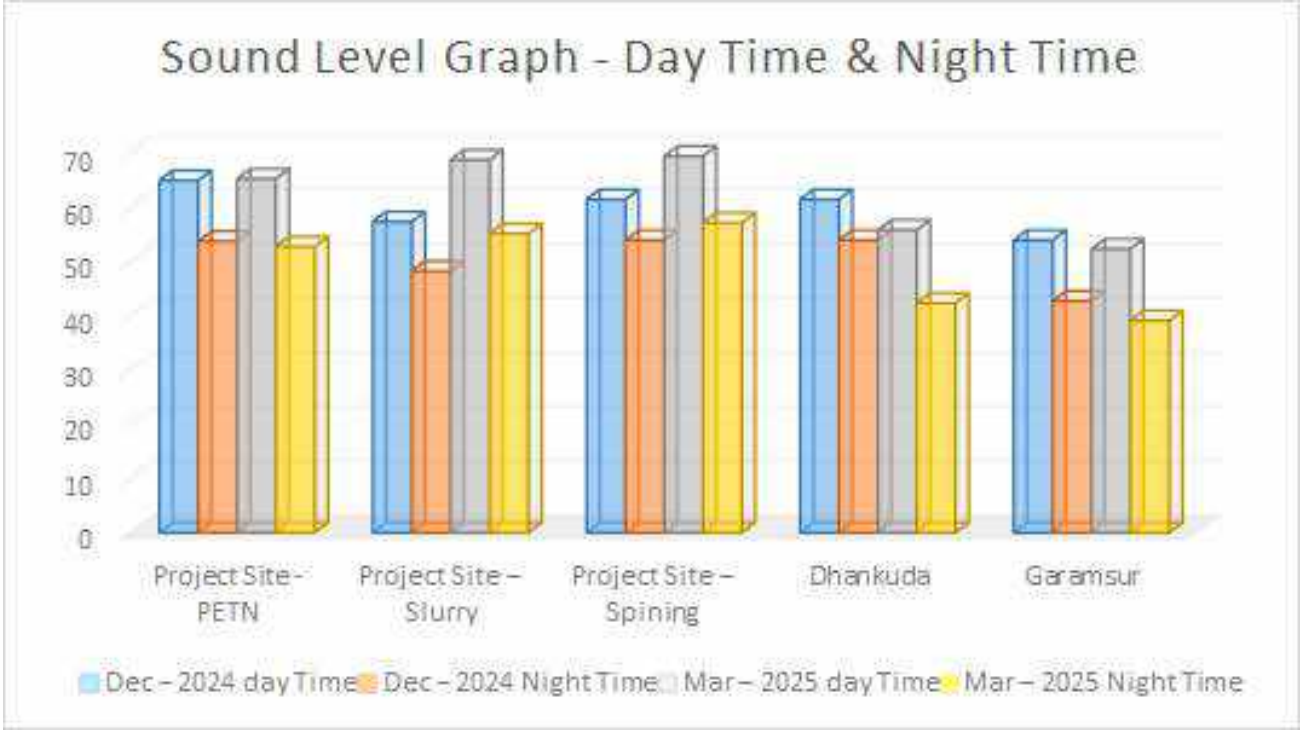
Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	5 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for Leq_{day} and Leq_{night}. The results are attached **Annexure I & II.**

Ambient Noise Quality Results and Graphical Interpretation –

TABLE 3.2: SUMMARY OF NOISE LEVEL MONITORING

Sl. No.	Name of Location	DECEMBER – 2024		MARCH – 2025	
		DAY TIME	NIGHT TIME	DAY TIME	NIGHT TIME
1.	PROJECT SITE - PETN	64.9	53.7	65.2	52.7
2.	PROJECT SITE – SLURRY	57.3	48.2	68.7	55.1
3.	PROJECT SITE – SPINING	61.4	53.9	69.4	57.1
4.	DHANKUDA	61.4	53.9	55.8	42.3
5.	GARAMSUR	53.9	42.7	52.3	39.1



RESULTS & DISCUSSION

In comparison of the prescribed National Ambient Noise Level Standards, the observed values of Noise level are well within stipulated limits prescribed for industrial/commercial/residential area. The monitored values represent quite satisfactory condition regarding Noise pollution in & around the plant site.

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure I & II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

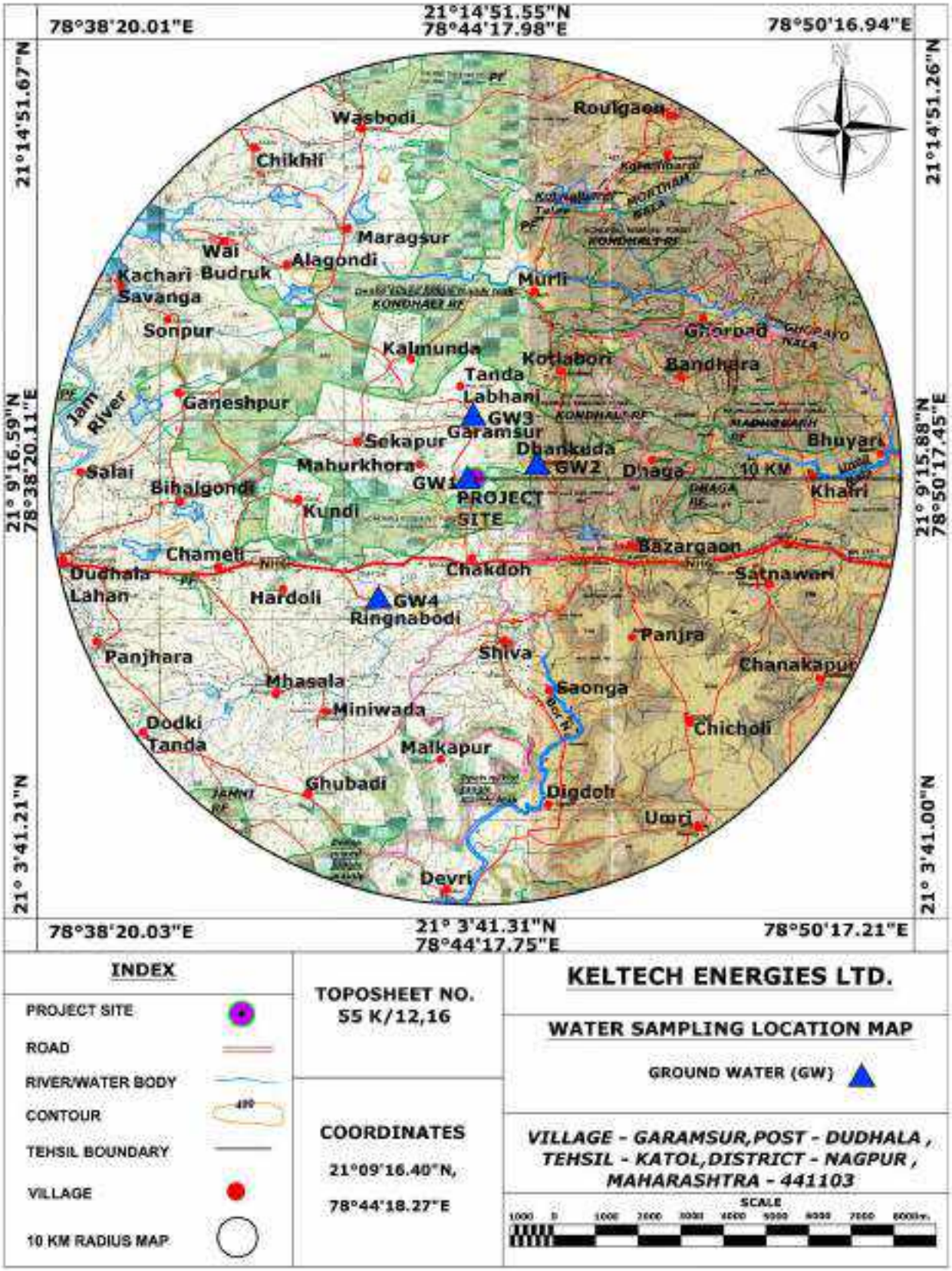


FIGURE 3: GROUND WATER SAMPLING LOCATIONS

OBSERVATIONS:

The physico-chemical characteristics of groundwater are presented in below Table and compared with the IS-10500 standards.

Parameters	Unit	December – 2024	March – 2025	Permissible Limit
		Range	Range	
pH	-	6.9 – 7.63	7.59 – 8.13	No relaxation (6.5 to 8.5)
EC	µs/cm	261 – 903	544 - 1896	-
TDS	mg/l	152 – 624	352 - 1231	2000
Total hardness	mg/l	62 – 442	152 – 672	600
Chloride	mg/l	47.59 – 179.69	45.82 – 315.6	1000
Sulphate	mg/l	3.32 – 61.36	16.43 – 84.06	400
Nitrate	mg/l	10.23 – 14.2	12.58 – 16.43	No relaxation (45)
Fluoride	mg/l	BLQ (LOQ -0.1)	BLQ (LOQ -0.1) – 0.18	1.5
Iron	mg/l	0.11 – 0.32	0.12 – 0.49	No relaxation (1.0)
Cadmium	mg/l	BLQ (LOQ - 0.002)	BLQ (LOQ - 0.002)	No relaxation (0.003)
Arsenic	mg/l	BLQ (LOQ -0.01)	BLQ (LOQ -0.01)	No relaxation (0.01)
Zinc	mg/l	BLQ (LOQ - 0.02) – 0.02	BLQ (LOQ - 0.02)	15
Lead	mg/l	BLQ (LOQ - 0.01)	BLQ (LOQ - 0.01)	No relaxation (0.01)
Chromium	mg/l	BLQ (LOQ - 0.01) – 0.04	BLQ (LOQ - 0.02)	No relaxation (0.05)

WASTEWATER CHARACTERISTICS:

Parameters	Unit	December – 2024		March – 2025		Permissible Limit for ETP Outlet
		ETP Inlet	ETP Outlet	ETP Inlet	ETP Outlet	
pH	-	6.79	7.77	7.62	8.32	6.5 – 8.5
TDS	mg/l	16958	1738	3956	1052	2100
TSS	mg/l	4454	446	184	BLQ (LOQ-10)	100
Chloride	mg/l	107.38	70.03	242.26	109.26	600
Sulphate	mg/l	53.65	36.04	185.46	172.22	1000
Oil & Grease	mg/l	BLQ (LOQ-4)	BLQ (LOQ-4)	BLQ (LOQ-4)	BLQ (LOQ-4)	-
COD	mg/l	2104.66	35.82	273.2	120.21	150
BOD_3	mg/l	185.71	12	24	12	30

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on

the differences in the genetic and environmental factors. Thus, some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various landuse conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure I & II.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

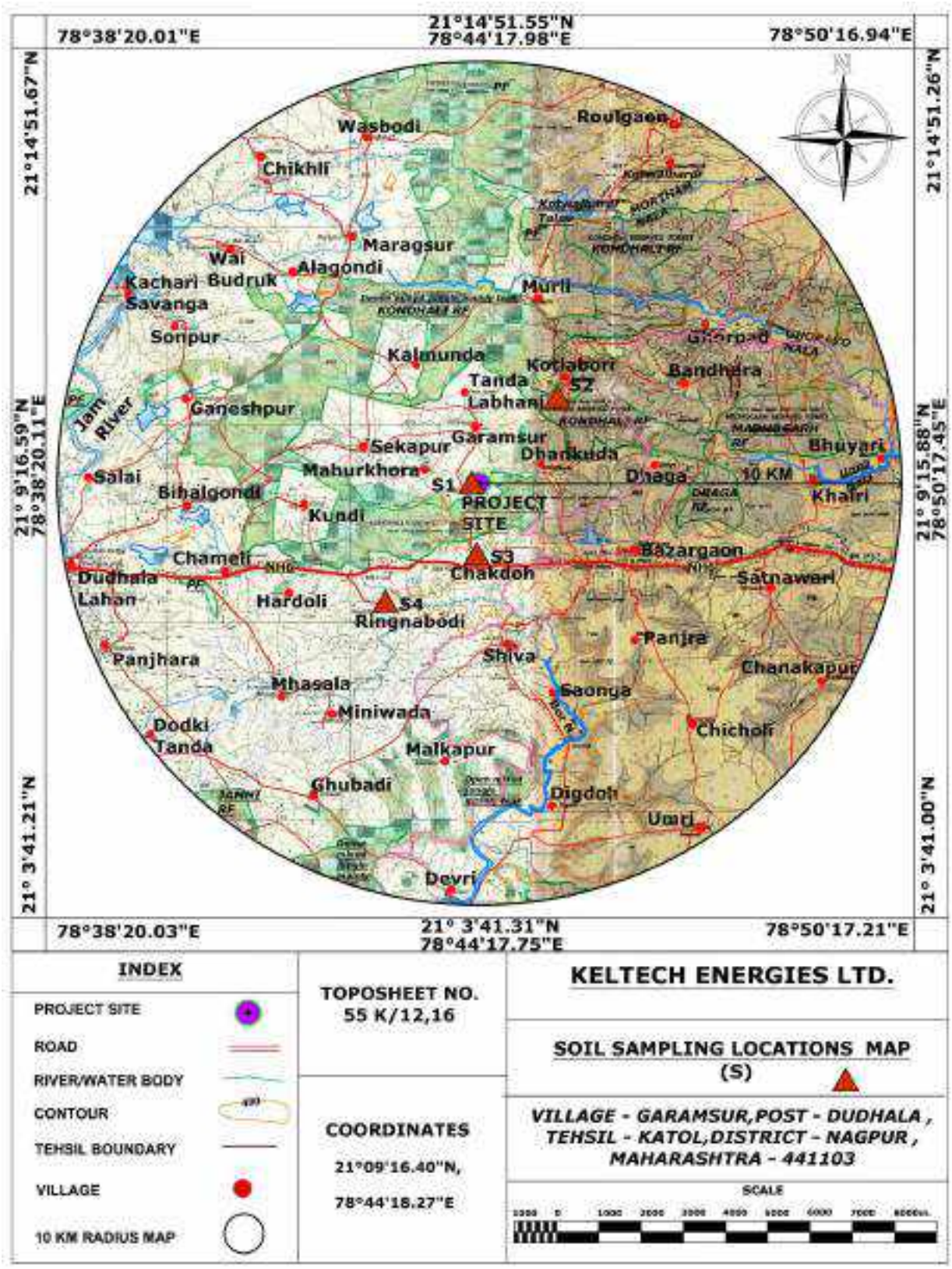


FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

Soil Characteristic and Interpretation

A. Physical Characteristics of Soil

Physical characteristics of soils were determined through specific parameters viz. particle size distribution, bulk density, porosity, water holding capacity, texture and are presented in **below Table**.

Data collected for chemical characteristics of soils through selected parameters viz. pH, soluble cations and anions, exchangeable cations, organic content and fertility status in the form of NPK values and organic matter are presented in **below Table**.

Physico Chemical Characteristics			
Parameters	**Unit**	**December, 2024 Range (Minimum - Maximum)**	**March, 2025 Range (Minimum - Maximum)**
pH	-	6.32 – 7.12	6.52 – 7.56
EC	µs/cm	59.6 – 174.8	102.6 – 132.01
Infiltration Rate	mm/hr	10.48 – 23.02	5.88 – 9.32
Bulk Density	g/cm3	2.42 – 3.21	1.1 – 1.29
Water Holding Capacity	%	9.02 – 27.07	28.7 – 38.1
Organic Carbon	%	0.42 – 0.52	0.42 – 0.52

B. Nutrient Status

Organic matter and organic carbon present in the soil influences its physical and chemical conditions and is responsible for stability of soil aggregates.

Macro Nutrients			
Parameters	**Unit**	**December, 2024 Range (Minimum - Maximum)**	**March, 2025 Range (Minimum - Maximum)**
Nitrogen	Kg/hec	357.13 – 548.31	357.13 – 548.31
Phosphorus	Kg/hec	BDL (DL – 2)	BDL (DL – 2)
Potassium	Kg/hec	136.19 – 606.24	141.09 – 501.06

C. Heavy Metals Content in the Soil

Micro Nutrients			
Parameters	**Unit**	**December, 2024 Range (Minimum - Maximum)**	**March, 2025 Range (Minimum - Maximum)**
Iron	mg/kg	39872.88 – 56364.3	25203.26 – 66534.42
Manganese	mg/kg	715.41 – 1322.99	710.49 – 717.39
Zinc	mg/kg	43.36 – 95.54	44.31 – 259.83
Copper	mg/kg	110.37 – 184.78	103.31 – 140.19
Nickel	mg/kg	28.55 – 51.7	19.49 – 45.39
Cadmium	mg/kg	Absent – 1.05	0.92 – 1.12
Lead	mg/kg	Absent – 6.08	Absent – 37.98

SITE PHOTOGRAPHS

Entrace of Plant	**Admin Buidling**
Entrance of Proces buildings, Stores, Utilities..etc	**Entrance of Proces buildings such as PETN, Slurry Emulsion, Bulk, Storages..etc**
Detonating Fuse, Cast Booster Process Units	**PETN Process Building**

CER ACTIVITY PHOTOGRAPHS

Nutritional food donated to TB patients under "Pradhan Mantri TB Mukt Bharat Abhiyaan" same will be donated every month till March 2026.

Medical Equipment's, Computer and administrative items donated to Primary Health Centre, Kondhali

Computer and Administrative equipment's Donated to Jilha Parishad Primary School, Mahurkhura

Computer & Printer Donated to Garamsur Gram Panchayat

ANNEXURE – I

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (OCTOBER 2024 to DECEMBER 2024)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

JANUARY – 2025

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982400002663F
Test Report No.: ALPL/02012025/1-1 Dated: 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/26122024/MON-24-AAQ-1/5-1 **Inward Date:** 26/12/2024	**Analysis Start date:** 26/12/2024 **Analysis End date:** 31/12/2024 **Report Issue Date:** 02/01/2025
Samplings details: **Instrument ID :** ALPL/RDS/ENV-20, ALPL/FPS/18 **Calibration Status :** 22/08/2024 to 21/08/2025 **Make & Model :-** CEIS/CEIS-121, CEIS/CEIS-131 **Serial No.:-** RDS/317-2024, FPS/410-2024,	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 23/12/2024 to 24/12/2024 **Time of sampling and duration :** Sampled from 23/12/2024 (4:10 pm) to 24/12/2024 (4:10pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each; Particulate Matter ($PM_{2.5}$)- 1No. 24hrs; Sulphur dioxide - 6Nos, 4 hrly each ; Oxides of Nitrogen - 6Nos, 4 hrly each ; Carbon Monoxide (as CO)- 3Nos., 8 hrly each; Lead as Pb-3Nos., 8 hrly each; Nickel as Ni -3Nos., 8 hrly each; Arsenic as As-3Nos., 8 hrly each; Ozone (as O_3)- 3Nos., 8 hrly each; Ammonia (as NH_3)- 3Nos., 8 hrly each; Benzene-3Nos., 8 hrly each; Benzo-Pyrene-3Nos., 8 hrly each **Sampling location :** Near Main Gate **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	58.6	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	22.2	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS:5182 (Part 2)	11.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	17.4	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	9.8	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	15.1	400 (24 hrs)
11.	Benzene	µg /m^3	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • **BLQ= below limit of quantification , LOQ= limit of quantification.** • **Environmental condition – Satisfactory.** & clear• **Statement of conformity issued on the basis of decision rule as per quality procedure (QP7.8/06).**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by			Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pillewan Deputy Technical Manager	Kashish Dharrajani Deputy Technical Manager	Pooja Kathane Technical Manager	Chinmay Gadpay Deputy Quality Manager

—End of Report—

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982400002664F
Test Report No.: ALPL/2012025/1-2 Dated: 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/26122024/MON-24-AAQ-1/5-2 **Inward Date:** 26/12/2024	**Analysis Start date:** 26/12/2024 **Analysis End date:** 31/12/2024 **Report Issue Date:** 02/01/2025
Samplings details: **Instrument ID :** ALPL-TSL/CEIS-RDS/2024/13, ALPL-TSL/CEIS-FPS/2024/13 **Calibration Status :**22/09/2024 to 21/09/2025. **Make & Model :-** CEIS/CEIS-121, 131 **Serial No.:-** RDS/328-2024,FPS/414/2024,	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 23/12/2024 to 24/12/2024 **Time of sampling and duration :** Sampled from 23/12/2024 (4:25 pm) to 24/12/2024 (4:25 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each: Particulate Matter ($PM_{2.5}$)-1No. 24hrs: Sulphur dioxide - 6Nos. 4 hrly each : Oxides of Nitrogen - 6Nos. 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O_3)- 3Nos., 8 hrly each: Ammonia (as NH_3)- 3Nos., 8 hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each. **Sampling location :** Near Process Area **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested** : Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	67.2	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	24.8	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS:5182 (Part 2)	14.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	19.6	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	10.7	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	15.8	400 (24 hrs)
11.	Benzene	µg /m^3	ANtr/7.2/RES/26	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • **BLQ= below limit of quantification , LOQ= limit of quantification.** • **Environmental condition – Satisfactory. & clear** • **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by	Verified by	Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pillewan Deputy Technical Manager	Kashish Dhanrajani Deputy Technical Manager	Pooja Kalbande Technical Manager	Chinmay Gadway Deputy Quality Manager

---End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

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TC-12998

Test Report

ULR No.- TC129982400002665F
Test Report No.: ALPL/02012025/1-3 **Dated:** 02/01/2025

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/26122024/MON-24-AAQ-1/5-3 **Inward Date:** 26/12/2024	**Analysis Start date:** 26/12/2024 **Analysis End date:** 31/12/2024 **Report Issue Date:** 02/01/2025
Samplings details: **Instrument ID :** ALPL/RDS/ENV-20, ALPL/FPS/16 **Calibration Status :** 22/08/2024 to 21/08/2025 **Make & Model :-** CEIS/CEIS-121, CEIS/CEIS-131 **Serial No.:-** RDS/317-2024, FPS/410-2024,	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 24/12/2024 to 25/12/2024 **Time of sampling and duration :** Sampled from 24/12/2024 (5:10 pm) to 25/12/2024 (5:10 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each; Particulate Matter ($PM_{2.5}$)-1No, 24hrs; Sulphur dioxide - 6Nos., 4 hrly each ; Oxides of Nitrogen - 6Nos., 4 hrly each ; Carbon Monoxide (as CO)- 3Nos., 8 hrly each; Lead as Pb-3Nos., 8 hrly each; Nickel as Ni -3Nos., 8 hrly each; Arsenic as As-3Nos., 8 hrly each; Ozone (as O_3)- 3Nos., 8 hrly each; Ammonia (as NH_3)- 3Nos., 8 hrly each; Benzene-3Nos., 8 hrly each; Benzo-Pyrene-3Nos., 8 hrly each; **Sampling location :** Near Ringnabodi **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	78.3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	29.1	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS:5182 (Part 2)	12.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	21.6	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	7.0	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	21.5	400 (24 hrs)
11.	Benzene	µg /m^3	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● **BLQ= below limit of quantification , LOQ= limit of quantification.** ● **Environmental condition – Satisfactory. & clear● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by			Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pillewan Deputy Technical Manager	Kashish Dhanrajani Deputy Technical Manager	Pooja Kalbande Technical Manager	Chinmay Gawade Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.- TC129982400002656F
Test Report No.: ALPL/02012025/1-4 Dated: 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPU/26122024/MON-24-AAQ-1/5.4 **Inward Date:** 26/12/2024	**Analysis Start date:** 26/12/2024 **Analysis End date:** 31/12/2024 **Report Issue Date:** 02/01/2025
Samplings details: **Instrument ID :** ALPL-TSL/CEIS-RDS/2024/13, ALPL-TSL/CEIS-FPS/2024/13 **Calibration Status :**22/08/2024 to 21/08/2025. **Make & Model :-** CEIS/CEIS-121, 131 **Serial No.:-** RDS/326-2024,FPS/414/2024,	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 24/12/2024 to 25/12/2024 **Time of sampling and duration :.** Sampled from 24/12/2024 (5:20 pm) to 25/12/2024 (5:20 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each; Particulate Matter ($PM_{2.5}$)-1No. 24hrs; Sulphur dioxide - 6Nos, 4 hrly each ; Oxides of Nitrogen - 6Nos, 4 hrly each ; Carbon Monoxide (as CO)- 3Nos., 8 hrly each; Lead as Pb-3Nos., 8 hrly each; Nickel as Ni -3Nos., 8 hrly each; Arsenic as As-3Nos., 8 hrly each; Ozone (as O_3)- 3Nos., 8 hrly each; Ammonia (as NH_3)- 3Nos., 8 hrly each; Benzene-3Nos., 8 hrly each; Benzo-Pyrene-3Nos., 8 hrly each; **Sampling location :** Near Garamsur **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested** : Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	67.2	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	25.7	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS:5182 (Part 2)	10.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	14.5	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	10.3	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	15.2	400 (24 hrs)
11.	Benzene	µg /m^3	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● **BLQ= below limit of quantification , LOQ= limit of quantification.** ● **Environmental condition – Satisfactory. & clear.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05)**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by			Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pilkewan Deputy Technical Manager	Kashish Dharwajani Deputy Technical Manager	Pooja Kathane Technical Manager	Chinmay Garway Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.- TC129982400002647F
Test Report No.: ALPL/02012025/1-5 Dated: 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/26122024/MON-24-AAQ-1/5-5 **Inward Date:** 26/12/2024	**Analysis Start date:** 26/12/2024 **Analysis End date:** 31/12/2024 **Report Issue Date:** 02/01/2025
Samplings details: **Instrument ID :** ALPL/RDS/ENV-20, ALPL/FPS/18 **Calibration Status :** 22/08/2024 to 21/08/2025 **Make & Model :-** CEIS/CEIS-121, CEIS/CEIS-131 **Serial No.:-** RDS/317-2024, FPS/410-2024,	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 25/12/2024 to 26/12/2024 **Time of sampling and duration :** Sampled from 25/12/2024 (5:30 pm) to 26/12/2024 (5:30 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each; Particulate Matter ($PM_{2.5}$)-1No, 24hrs; Sulphur dioxide - 6Nos., 4 hrly each ; Oxides of Nitrogen - 6Nos., 4 hrly each ; Carbon Monoxide (as CO)- 3Nos., 8 hrly each; Lead as Pb-3Nos., 8 hrly each; Nickel as Ni -3Nos., 8 hrly each; Arsenic as As-3Nos., 8 hrly each; Ozone (as O_3)- 3Nos., 8 hrly each; Ammonia (as NH_3)- 3Nos., 8 hrly each; Benzene-3Nos., 8 hrly each; Benzo-Pyrene-3Nos., 8 hrly each; **Sampling location :** Near Mhasala **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution **Material or Product tested :** Ambient Air				
1.	Particulate Matter (PM_{10})	$\mu g/m^3$	IS:5182 (Part 23)	61.8	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	$\mu g/m^3$	USEPA-40 (Part 50)	22.9	60 (24 hrs)
3.	Sulphur dioxide	$\mu g/m^3$	IS:5182 (Part 2)	8.94	80 (24 hrs)
4	Oxides of Nitrogen	$\mu g/m^3$	IS:5182 (Part 6)	16.7	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg/m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	$\mu g/m^3$	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng/m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng/m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	$\mu g/m^3$	IS:5182 (Part 9)	12.6	100 (8 hrs)
10.	Ammonia (NH_3)	$\mu g/m^3$	CPCB Guidelines Volume 1	17.6	400 (24 hrs)
11.	Benzene	$\mu g/m^3$	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng/m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • **BLQ= below limit of quantification , LOQ= limit of quantification.** • **Environmental condition – Satisfactory. & clear• Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by		Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pitlewan Deputy Technical Manager	Kashish Dhanrajani Deputy Technical Manager	Pooja Kathane Technical Manager	Chinmay Garway Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.: TC129982400002668F
Test Report No.: ALPL/02012025/1-6 Dated: 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/26122024/MON-24-NQ-1/5-1 **Inward Date:** 26/12/2024	**Report Issue Date:** 02/01/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-1 **Make & Model:** HTC-SL-1352 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 23/12/2024 to 24/12/2024 **Time & Duration of sampling :** 11:55 am & 24 hrs. **Sampling location : Near Project Site-PETN** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Noise				
1.	Near Project Site-PETN	IS 9989	64.9	53.7	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kashyap
Technical Manager

Authorized Signatory
Chinmay Garwey
Deputy Quality Manager

—End of Report—

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TC-12998

Test Report

ULR No.: TC129982400002569F
Test Report No.: ALPL/02012025/I-7 **Dated:** 02/01/2025

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/28122024/MON-24-NQ-1/5-2 **Inward Date:** 28/12/2024	**Report Issue Date:** 02/01/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-2 **Make & Model:** HTC-SL-1350 **Calibration Status :** 18/05/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 23/12/2024 to 24/12/2024 **Time & Duration of sampling :** 12:20 pm & 24 hrs. **Sampling location :** **Near Project Site-Slurry** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10 **Weather Conditions :** Satisfactory & Clear **Any other observation** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Noise				
2.	Near Project Site-Slurry	IS 9989	57.3	48.2	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Garware
Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.- TC129982400002670F
Test Report No.: ALPL/02012025/1-8 **Dated:** 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/26122024/MON-24-NQ-1/5-3 **Inward Date:** 26/12/2024	**Report Issue Date:** 02/01/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-1 **Make & Model:** HTC-SL-1352 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 24/12/2024 to 25/12/2024 **Time & Duration of sampling :** 12:45 pm & 24 hrs. **Sampling location :** **Near Project Site-Spining** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
1.	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested** : Ambient Noise				
3.	Near Project Site-_Spining	IS 9989	61.4	53.9	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark : - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kolkane
Technical Manager

Authorized Signatory
Chinmay Garvay
Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.- TC129982400002571F
Test Report No.: ALPL/02012025/1-9 Dated: 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post -Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/26122024/MON-24-NQ-1/5-4 **Inward Date:** 26/12/2024	**Report Issue Date:** 02/01/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-2 **Make & Model:** HTC-SL-1350 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 24/12/2024 to 25/12/2024 **Time & Duration of sampling :** 1:20 pm & 24 hrs. **Sampling location :** Near Dhankuda **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10 **Weather Conditions :** Satisfactory & Clear **Any other observation** :(If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution				**Material or Product tested :** Ambient Noise		
4.	Near Dhankuda	IS 9989	61.4	53.9	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kamdar
Technical Manager

Authorized Signatory
Chinmay Garwa
Deputy Quality Manager

---End of Report---

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TC-12998

Test Report

ULR No.- TC129982400002672F
Test Report No.: ALPL/02012025/1-10 **Dated:** 02/01/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post.-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/2612202 4/MON-24-NO-1/5-5 **Inward Date:** 26/12/2024	**Report Issue Date:** 02/01/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-1 **Make & Model:** HTC-SL-1352 **Calibration Status :** 18/05/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chaharde **Date of Sampling :** 26/12/2024 to 26/12/2024 **Time & Duration of sampling :** 2:15 pm & 24 hrs. **Sampling location :** Near Garamsur **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/December-2024/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) :-	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Noise				
4.	**Near Garamsur**	IS 9989	53.9	42.7	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gadkay
Deputy Quality Manager

---End of Report---

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TC-12998

Test Report

ULR No.- TC129982400002672F
Report No: ALPL/02012025/1-11A Dated: 02/01/2025

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		**Work Order No.** KEL.PO.GSMPO2324.1078-24.11.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_X: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/26122024/ MON-24-ST-1/1-1	**Date of Sampling**	24/12/2024
Date of Receipt of Sample	26/12/2024	**Time of Sampling**	1:15 pm at 35 min
Date of Start of Analysis	27/12/2024	**Date of Completion of Analysis**	28/12/2024
Sampling Method	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	Boiler	---
Stack height above ground level	30	Meter
Stack diameter	0.72	Meter
Stack shape at top	Round	---
Flue gas temperature	118	°C
Flue gas velocity	8.68	m/s
Total gas quantity at STP	12724.28	m^3/h
Total gas quantity at NTP	9506.39	Nm^3/h

Sr. No.	Parameter	Unit	Result	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Stack Emission Monitoring	
1.	Particulate Matter	mg/Nm^3	42.7	IS 11255 Part 1
2.	Sulphur dioxide	mg/Nm^3	173.9	IS 11255 Part 2
3.	Oxides of Nitrogen	mg/Nm^3	114.2	IS 11255 Part 7

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Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gadway
Deputy Quality Manager

----End of Report----

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Test Report

Report No: ALPL/02012025/1-11B **Dated:** 02/01/2025

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		**Work Order No.** KEL.PO.GSMPO2324.1078-24.11.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_X: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/26122024/ MON-24-ST-1/1-1	**Date of Sampling**	24/12/2024
Date of Receipt of Sample	26/12/2024	**Time of Sampling**	1:15 pm at 35 min
Date of Start of Analysis	27/12/2024	**Date of Completion of Analysis**	28/12/2024
Sampling Method	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	Boiler	---
Stack height above ground level	30	Meter
Stack diameter	0.72	Meter
Stack shape at top	Round	---
Flue gas temperature	118	°C
Flue gas velocity	8.68	m/s
Total gas quantity at STP	12724.28	m^3/h
Total gas quantity at NTP	9506.39	Nm^3/h

Sr. No.	Parameter	Unit	Result	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution **Material or Product tested :** Stack Emission Monitoring			
1.	Carbon Monoxide (CO)	ppm	260	Gas analyser

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Environmental condition – Satisfactory

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Katlighe
Technical Manager

Authorized Signatory
Chinmay Gadway
Deputy Quality Manager

----End of Report----

ORIGINAL TEST REPORT

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Test Report

Report No: ALPL/02012025/1-12 **Dated:** 02/01/2025

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post.-Dudhala, Tehsil-Katol, Dist.-Nagpur (M.S)-441 103.		**Work Order No.** KEL.PO.GSMPO2324.1078-24.09.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**DG-1** **(200 kVA)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_X: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/26122024/ MON-24-EST-1/2-1	**Date of Sampling**	24/12/2024
Date of Receipt of Sample	26/12/2024	**Time of Sampling**	2:30 pm at 25 min
Date of Start of Analysis	27/12/2024	**Date of Completion of Analysis**	28/12/2024
Sampling Procedure	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	DG-1	200 kVA
Stack attached to	DG	—
Material of construction	MS	—
Stack diameter	0.203	Meter
Type of Fuel	HSD	—
Flue gas temperature	112	°C
Flue gas velocity	11.91	m/s
Total gas quantity	1387.91	m^3/h
Total gas quantity at NTP	1053.08	Nm^3/h

Sr. No.	Parameter	Unit	Result	*Limits	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Stack Emission Monitoring		
1.	Particulate Matter	gm/kw-h	0.087	≤ 0.2	IS 11255 Part 1
2.	Sulphur dioxide	gm/kw-h	0.04	--	IS 11255 Part 2
3.	Oxides of Nitrogen	gm/kw-h	1.16	≤ 4.0	IS 11255 Part 7
4.	Hydrocarbon (HC)	gm/kw-h	1.652		Gas Analyser

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Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Ganjay
Deputy Quality Manager

----End of Report----

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Test Report

Report No: ALPL/02012025/1-13 **Dated:** 02/01/2025 Page 1 of 1

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		**Work Order No.** KEL.PO.GSMPO/2324.1078-24.09.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**DG-2** **(500 kVA)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_x: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/26122024/ MON-24-EST-1/2-2	**Date of Sampling**	24/12/2024
Date of Receipt of Sample	26/12/2024	**Time of Sampling**	3:45 pm at 35 min
Date of Start of Analysis	27/12/2024	**Date of Completion of Analysis**	28/12/2024
Sampling Procedure	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	DG-2	500kVA
Stack attached to	DG	---
Material of construction	MS	---
Stack diameter	0.203	Meter
Type of Fuel	HSD	---
Flue gas temperature	142	°C
Flue gas velocity	15.94	m/s
Total gas quantity	1657.83	m^3/h
Total gas quantity at NTP	1307.73	Nm^3/h

Sr. No.	Parameter	Unit	Result	*Limits	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution **Material or Product tested :** Stack Emission Monitoring				
1.	Particulate Matter	gm/kw-h	0.16	≤ 0.2	IS 11255 Part 1
2.	Sulphur dioxide	gm/kw-h	0.03	--	IS 11255 Part 2
3.	Oxides of Nitrogen	gm/kw-h	1.197	≤ 4.0	IS 11255 Part 7
4.	Hydrocarbon (HC)	gm/kw-h	1.528		Gas Analyser

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Environmental condition – Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Verified by
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gadway
Deputy Quality Manager

----End of Report----

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500000034F

Test Report No.:ALPL/06012025/1-1A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-1 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground water	Borewell (GW-01)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	Sampling Date: 25.12.2024 Sampling Time: 03.20 pm	Sampling Location
Mr. Kailash Chahande		Project Site

Tests required Coliform, *Escherichia coli*, Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	57.75
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	47.59
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	11.2
5	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ (LOQ-0.1)
6	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	8.26
7	Nitrate (as NO_3)	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	10.23
8	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.90
9	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	3.32
10	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	152
11	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
12	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) Clause 5	200	600	62
13	Sodium (as Na)	mg/l	IS 3025 (Part 45)	-	-	14.53

□ **Please refer last Page for Note and Remarks.**

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Chinmay Garway
Deputy Quality Manager

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TC-12998

Test Report

ULR No.: TC129982500000034F
Test Report No.: ALPL/06012025/1-1A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-1 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description Ground water	**Sample Details As Provided By Client** Borewel (GW-01)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 25.12.2024 **Sampling Time:** 03.20 pm	**Sampling Location** Project Site	

Tests required Arsenic, Copper, Cadmium, Iron, Lead, Manganese ,Nickel, Total Chromium, Zinc.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
15	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.01)
16	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.29
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	0.01
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.01)
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	0.02

NOTE: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● 'µg/l' is equivalent to 'ppb'. ● **ANtr/7.2/RES/06 In-house validated method** ● **BLQ= below limit of quantification,** ● **LOQ= limit of quantification.** ● **Sampling Method-ANtd/7.2/MON-01** ● **Environmental condition – Satisfactory & Clear.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

Verified By
Pradnya Pilewan
Dy Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chirutlay Ganvir
Deputy Quality Manager

-----END REPORT-----

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Anacon Laboratories

Test Report

Test Report No.: ALPL/06012025/1-1B **Dated** 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-1 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1079 24.11.2023		**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose of analysis**	**Quantity Received**
Ground water	Borewell (GW-01)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	**Sampling Date:** 25.12.2024 **Sampling Time:** 03.20 pm	**Sampling Location**
Mr. Kailash Chahande		Project Site

Tests required: Total Suspended Solid,Conductivity,Potassium,Total Nitrogen,Dissolved Oxygen,Oil & Grease,Faecal Coliform, Copper.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Chemical**	**Group : Water**				
1	Total Suspended Solid	mg/l	IS 3025 (Part-17)	---	---	BLQ(LOQ-10)
2	Conductivity	µs/cm	IS 3025(part 14)	---	---	261
3	Potassium	mg/l	IS 3025(part 45)	---	---	3.17
4	Total Nitrogen	mg/l	IS 3025(part 34/sec 1)	---	---	17.44
5	Dissolved Oxygen	mg/l	IS 3025(part 38) R. A.	---	---	5.9
6	Oil & Grease	mg/l	IS 3025(part 39)	---	---	BLQ(LOQ-4)
7	Total Hydrocarbon	mg/l	ANlr/7.2/RES/06	---	---	BLQ(LOQ-0.001)
II	**Discipline : Biological**	**Group : Water**				
1	Faecal Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ (LOQ-2)
III	**Discipline : Chemical**	**Group : Residues in water**				
1	Total Phosphate	mg/l	ICP-OES	---	---	BLQ(LOQ-0.1)
2	Cobalt (as CO)	mg/l	ICP-OES	---	---	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report.● Results shall be referred to tested sample(s) and applicable to tested parameter's only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● mg/l is equivalent to 'ppm'. ● \ug/l is equivalent to 'ppb'. ● **BLQ= below limit of quantification. ● LOQ= limit of quantification. ● Sampling Method-ANlr/7.2/MON-01 ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.**
REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

	Verified By		Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pillewan Dy Technical Manager	Kashish Dhanrajani Dy Technical Manager	Pooja Kathane Technical Manager	Chinmay Garway Deputy Quality Manager

-----END REPORT-----

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TC-12998

Test Report

ULR No.- TC129825000000351F

Test Report No.:ALPL/06012025/1-2A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvived **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-2 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground water	Borewell (GW-02)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	Sampling Date: 24.12.2024 Sampling Time: 02.30 pm	Sampling Location
Mr. Kailash Chahande		Garamsur

Tests required Coliform, *Escherichia coli*, Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Present
II	**Discipline : Chemical**	**Group : Water**				
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	252
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	61.19
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	78.4
5	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ (LOQ-0.1)
6	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	12.63
7	Nitrate (as NO_3)	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	10.63
8	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.63
9	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	21.18
10	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	356
11	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
12	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) Clause 5	200	600	248
13	Sodium (as Na)	mg/l	IS 3025 (Part 45)	--	--	26.08

□ **Please refer last Page for Note and Remarks.**

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Chinmay Ganvir
Deputy Quality Manager

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TC-12998

Test Report

ULR No.- TC129825000000035F
Test Report No.: ALPL/06012025/1-2A

Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-2 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025	
Sample Description Ground water	**Sample Details As Provided By Client** Borewell (GW-02)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 24.12.2024 **Sampling Time:** 02.30 pm	**Sampling Location** Garamsur	
Tests required Arsenic, Copper, Cadmium, Iron, Lead, Manganese ,Nickel, Total Chromium, Zinc.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
15	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.01)
16	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.32
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	0.04
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm', ● 'µg/l' is equivalent to 'ppb' ● ANtn7.2/RES/06 In-house validated method ● BLQ= below limit of quantification, ● LOQ= limit of quantification. ● Sampling Method-ANtd7.2/MON-01 ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. **Submitted sample does not comply with IS: 10500:2012, as results are not as per specification for sr. no. 1.**

Verified By
Pradnya Pillewan
Dy Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gadway
Deputy Quality Manager

-----END REPORT-----

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Test Report

Test Report No.: ALPL/06012025/1-2B Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-2 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description Ground water	**Sample Details As Provided By Client** Borewel (GW-02)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 24.12.2024 **Sampling Time:** 02.30 pm	**Sampling Location** Garamsur	

Tests required: Total Suspended Solid,Conductivity,Potassium,Total Nitrogen,Dissolved Oxygen,Oil & Grease,Faecal Coliform, Copper

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Chemical**	**Group : Water**				
1	Total Suspended Solid	mg/l	IS 3025 (Part-17)	---	---	BLQ(LOQ-10)
2	Conductivity	µs/cm	IS 3025(part 14)	---	---	836
3	Potassium	mg/l	IS 3025(part 45)	---	---	3.89
4	Total Nitrogen	mg/l	IS 3025(part 34/sec 1)	---	---	18.86
5	Dissolved Oxygen	mg/l	IS 3025(part 38) R. A.	---	---	5.8
6	Oil & Grease	mg/l	IS 3025(part 39)	---	---	BLQ(LOQ-4)
7	Total Hydrocarbon	mg/l	ANtr/7.2/RES/06	---	---	BLQ(LOQ-0.001)
II	**Discipline : Biological**	**Group : Water**				
1	Faecal Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
III	**Discipline : Chemical**	**Group : Residues in water**				
1	Total Phosphate	mg/l	ICP-OES	---	---	BLQ(LOQ-0.1)
2	Cobalt (as CO)	mg/l	ICP-OES	---	---	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm', ● 'µg/l' is equivalent to 'ppb'. ● **BLQ= below limit of quantification,** ● **LOQ= limit of quantification.** ● **Sampling Method-ANtr/7.2/MON-01** ● **Environmental condition – Satisfactory & Clear.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**
REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

Verified By

Snehal Raut
Technical Manager

Pradnya Pilewan
Dy Technical Manager

Kashish Dhanrajani
Dy Technical Manager

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garwey
Deputy Quality Manager

----END REPORT----

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TC-12998

Test Report

ULR No.- TC129982500000036F
Test Report No.:ALPL/06012025/1-3A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-3 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025	

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground water	Borewell (GW-03)	Drinking	2 Ltr & 250ml ,

Sampling By- Anacon Representative	Sampling Date: 24.12.2024 Sampling Time: 02.00 pm	Sampling Location
Mr. Kailash Chahande		Rignabodi

Tests required Coliform, *Escherichia coli*, Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	283.5
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	155.41
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	116.8
5	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
6	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	34.02
7	Nitrate (as NO_3)	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	14.20
8	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.48
9	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	23.93
10	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	553
11	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
12	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) Clause 5	200	600	432
13	Sodium (as Na)	mg/l	IS 3025 (Part 45)	---	---	31.54

☐ **Please refer last Page for Note and Remarks.**

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Chinmay Garway
Deputy Quality Manager

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500000036F
Test Report No.: ALPL/05012025/1-3A
Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/26122024/MON-24-W-1/5-3	**Analysis Start** 28.12.2024
	Inward Date	26.12.2024	**Analysis End** 02.01.2025
	Reference	GSMPO2324.1078 24.11.2023	

Sample Description Ground water	**Sample Details As Provided By Client** Borewell (GW-03)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 24.12.2024 **Sampling Time:** 02.00 pm	**Sampling Location** Rignabodi	

Tests required Arsenic, Copper, Cadmium, Iron, Lead, Manganese ,Nickel, Total Chromium, Zinc.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
15	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
16	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.11
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	0.02

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● 'µg/l' is equivalent to 'ppb'. ● AMin/7.2/RES/09 In-house validated method ● BLQ= below limit of quantification. ● LOQ= limit of quantification. ● Sampling Method-AMin/7.2/MON-01 ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.

REMARKS: As requested by the client, sample was tested for above parameters only. **As per IS: 10500:2012, tested parameters are within acceptable limit except test no. 2, 4, 6, 10 & 12 however, the result is within permissible limit.**

Verified By
Pradnya Pillewan
Dy Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gamay
Deputy Quality Manager

----END REPORT----

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Anacon Laboratories

Test Report

Test Report No.: ALPL/06012025/1-3B **Dated** 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/25122024/MON-24-W-1/5-3 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground water	Borewel (GW-03)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	Sampling Date: 24.12.2024 Sampling Time: 02.00 pm	Sampling Location
Mr. Kailash Chahande		Rignabodi

Tests required: Total Suspended Solid,Conductivity,Potassium,Total Nitrogen,Dissolved Oxygen,Oil & Grease,Faecal Coliform, Copper.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Chemical**	**Group : Water**				
1	Total Suspended Solid	mg/l	IS 3025 (Part-17)	---	---	BLQ(LOQ-10)
2	Conductivity	µs/cm	IS 3025(part 14)	---	---	836
3	Potassium	mg/l	IS 3025(part 45)	---	---	4.02
4	Total Nitrogen	mg/l	IS 3025(part 34/sec 1)	---	---	22.46
5	Dissolved Oxygen	mg/l	IS 3025(part 38) R. A.	---	---	5.6
6	Oil & Grease	mg/l	IS 3025(part 39)	---	---	BLQ(LOQ-4)
7	Total Hydrocarbon	mg/l	ANtr/7.2/RES/06	---	---	BLQ(LOQ-0.001)
II	**Discipline : Biological**	**Group : Water**				
1	Faecal Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
III	**Discipline : Chemical**	**Group : Residues in water**				
1	Total Phosphate	mg/l	ICP-OES	---	---	BLQ(LOQ-0.1)
2	Cobalt (as CO)	mg/l	ICP-OES	---	---	BLQ(LOQ-0.02)

NOTE: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● 'µg/l' is equivalent to 'ppb'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Sampling Method-ANtr/7.2/MON-01** ● **Environmental condition – Satisfactory & Clear.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**
REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

Verified By			Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pillewan Dy Technical Manager	Kashish Dhanrajani Dy Technical Manager	Pooja Kathane Technical Manager	Chinmay Gandey Deputy Quality Manager

----END REPORT-----

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500000037F
Test Report No.:ALPL/06012025/1-4A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-4 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025	

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Ground water	Borewell (GW-04)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	Sampling Date: 25.12.2024 Sampling Time: 03.50 pm	Sampling Location
Mr. Kailash Chahande		Dhankura

Tests required Coliform, *Escherichia coli*, Alkalinity, Ammonia, Anionic surface active agents, Colour, Cyanide, Chloride, Calcium, Chloramines, Free residual chlorine, Fluoride, Magnesium, Nitrate, Odour, pH, Phenolic compounds, Sulphate, Sulphide, Taste, Total dissolved solids, Turbidity, Total hardness, Mineral Oil

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	309.75
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	179.69
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	120.8
5	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
6	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	34.02
7	Nitrate (as NO_3)	mg/l	APHA 23rd edition: Method 4500-NO3	45	No relaxation	12.13
8	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.62
9	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	61.36
10	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	524
11	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
12	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) Clause 5	200	600	442
13	Sodium (as Na)	mg/l	IS 3025 (Part 45)	-	-	34.78

□ **Please refer last Page for Note and Remarks.**

Verified By

Snehal Raut
Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Chinmay Garway
Deputy Quality Manager

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TC-12998

Test Report

ULR No.- TC129982500000037F
Test Report No.: ALPL/06012025/1-4A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-4 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description Ground water	**Sample Details As Provided By Client** Borewell (GW-04)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 25.12.2024 **Sampling Time:** 03.50 pm	**Sampling Location** Dhankura	

Tests required Arsenic, Copper, Cadmium, Iron, Lead, Manganese ,Nickel, Total Chromium, Zinc.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
15	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
16	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.16
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	0.02
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTE: ● Please see watermark "Original Test Report" to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water, ● 'mg/l' is equivalent to 'ppm', ● 'µg/l' is equivalent to ppb ● **ANlr/7.2/RES/06 In-house validated method ● BLQ= below limit of quantification, ● LOQ= limit of quantification. ● Sampling Method-ANlid/7.2/MON-01 ● Environmental condition – Satisfactory & Clear. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05). ● pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only. **As per IS: 10500:2012, tested parameters are within acceptable limit except test no. 2, 4, 6, 10 & 12 however, the result is within permissible limit.**

Verified By
Pradnya Pilewan
Dy Technical Manager

Signatory
Pooja Kahlane
Technical Manager

Authorized Signatory
Chinmay Garkay
Deputy Quality Manager

----END REPORT----

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Anacon Laboratories

Test Report

Test Report No.: ALPL/06012025/1-4B **Dated** 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-4 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description Ground water	**Sample Details As Provided By Client** Borewell (GW-04)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 25.12.2024 **Sampling Time:** 03.50 pm	**Sampling Location** Dhankura	

Tests required: Total Suspended Solid,Conductivity,Potassium,Total Nitrogen,Dissolved Oxygen,Oil & Grease,Faecal Coliform, Copper

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Chemical**	**Group : Water**				
1	Total Suspended Solid	mg/l	IS 3025 (Part-17)	---	---	BLQ(LOQ-10)
2	Conductivity	µs/cm	IS 3025(part 14)	---	---	903
3	Potassium	mg/l	IS 3025(part 45)	---	---	4.21
4	Total Nitrogen	mg/l	IS 3025(part 34/sec 1)	---	---	20.31
5	Dissolved Oxygen	mg/l	IS 3025(part 38) R. A.	---	---	5.6
6	Oil & Grease	mg/l	IS 3025(part 39)	---	---	BLQ(LOQ-4)
7	Total Hydrocarbon	mg/l	ANtr/7.2/RES/06	---	---	BLQ(LOQ-0.001)
II	**Discipline : Biological**	**Group : Water**				
1	Faecal Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
III	**Discipline : Chemical**	**Group : Residues in water**		**Material or Product tested : Ground water**		
1	Total Phosphate	mg/l	ICP-OES	---	---	BLQ(LOQ-0.1)
2	Cobalt (as CO)	mg/l	ICP-OES	---	---	BLQ(LOQ-0.02)

NOTE: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● #Permissible limit in absence of an alternate source for drinking water. ● 'mg/l' is equivalent to 'ppm'. ● 'µg/l' is equivalent to 'ppb'. ● **BLQ= below limit of quantification.** ● **LOQ= limit of quantification.** ● **Sampling Method-ANtd/7.2/MON-01** ● **Environmental condition – Satisfactory & Clear.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**
REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

Verified By			Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pilewan Dy Technical Manager	Kashish Dharrajani Dy Technical Manager	Pooja Kathane Technical Manager	Chinmay Garwal Deputy Quality Manager

----END REPORT----

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129825000000038F
Test Report No.:ALPL/06012025/1-5A Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-5 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025	

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Drinking water	RO Water (DW-1)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	Sampling Date: 24.12.2024 Sampling Time: 03.00 pm	Sampling Location
Mr. Kailash Chahande		Outlet of RO Plant

Tests required Coliform, Alkalinity, Chloride, Calcium, Fluoride, Magnesium, Nitrate, pH, Sulphate, Sulphide, Total dissolved solids, Turbidity, Total hardness, Sodium.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Ccliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	42
3	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	31.56
4	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	6.4
5	Fluoride (as F)	mg/l	IS 3025 (Part 60) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
6	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	BLQ(LOQ-2)
7	Nitrate (as NO_3)	mg/l	APHA 23rd edition; Method 4500-NO3	45	No relaxation	4.71
8	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	6.84
9	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	BLQ(LOQ-2)
10	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	143
11	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
12	Total hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) Clause 5	200	600	24
13	Sodium (as Na)	mg/l	IS 3025 (Part 45)	—	—	14.07

□ **Please refer last Page for Note and Remarks.**

Verified By
Snehal Raut
Technical Manager

Authorized Signatories
Pooja Kalhade
Technical Manager

Chinmay Ganjoy
Deputy Quality Manager

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500000038F
Test Report No.: ALPL/06012025/1-5A
Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.** **Inward Date** **Reference**	ALPL/26122024/MON-24-W-1/5-5 26.12.2024 GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description Drinking water	**Sample Details As Provided By Client** RO Water (DW-1)	**Purpose of analysis** Drinking	**Quantity Received** 2 Ltr & 250ml
Sampling By- Anacon Representative Mr. Kailash Chahande	**Sampling Date:** 24.12.2024 **Sampling Time:** 03.00 pm	**Sampling Location** Outlet of RO Plant	

Tests required Arsenic, Copper, Cadmium, Iron, Lead, Manganese ,Nickel, Total Chromium, Zinc.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
15	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
16	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
17	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LOQ-0.01)
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

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REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

Verified By
Pradnya Pilewan
Dy Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Garwa
Deputy Quality Manager

----END REPORT----

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Test Report

Test Report No.: ALPL/06012025/1-5B Dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-W-1/5-5 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	Sample Details As Provided By Client	Purpose of analysis	Quantity Received
Drinking water	RO Water (DW-1)	Drinking	2 Ltr & 250ml

Sampling By- Anacon Representative	Sampling Date: 24.12.2024 Sampling Time: 03.00 pm	Sampling Location
Mr. Kailash Chahande		Outlet of RO Plant

Tests required: Total Suspended Solid,Conductivity,Potassium,Total Nitrogen,Dissolved Oxygen,Oil & Grease,Faecal Coliform, Copper.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Chemical**	**Group : Water**				
1	Total Suspended Solid	mg/l	IS 3025 (Part-17)	---	---	BLQ(LOQ-10)
2	Conductivity	µs/cm	IS 3025(part 14)	---	---	236
3	Potassium	mg/l	IS 3025(part 45)	---	---	3.12
4	Total Nitrogen	mg/l	IS 3025(part 34/sec 1)	---	---	6.80
5	Dissolved Oxygen	mg/l	IS 3025(part 38) R. A.	---	---	5.8
6	Oil & Grease	mg/l	IS 3025(part 39)	---	---	BLQ(LOQ-4)
7	Total Hydrocarbon	mg/l	ANtr/7.2/RES/06	---	---	BLQ(LOQ-0.001)
II	**Discipline : Biological**	**Group : Water**				
1	Faecal Coliform	MPN/100 ml	IS 1622	Absent	Absent	BLQ(LOQ-2)
III	**Discipline : Chemical**	**Group : Residues in water**				
1	Total Phosphate	mg/l	ICP-OES	---	---	BLQ(LOQ-0.1)
2	Cobalt (as CO)	mg/l	ICP-OES	---	---	BLQ(LOQ-0.02)

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REMARKS: As requested by the client, sample was tested for above parameters only. **The submitted sample complies with requirement as per IS: 10500:2012, for tests conducted only.**

Verified By			Signatory	Authorized Signatory
Snehal Raut Technical Manager	Pradnya Pillewan Dy Technical Manager	Kashish Dhanrajani Dy Technical Manager	Pooja Kathane Technical Manager	Chinmay Garwdy Deputy Quality Manager

-----END REPORT-----

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Test Report

Test Report No: ALPL/17112024/1-1 dated 17.11.2024

Issued To : **M/s. Kettech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630036	**Sample Inward No.** ALPL/26122024/MON-24-ESoil-1/5-1 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Particulars Soil	**Sample Details As Provided By Client** S- 1	**Sampling Date:** 24.12.2024 **Sampling Time:**01.10 pm	**Quantity Received** 5Kg
Sampling By- Anacon Representative Anacon Representative Mr. Kailash Chahande		**Sampling Location** Rignabodi	
Tests Required: Chemical Testing.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	3.21
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9.02
4	Infiltration rate	mm/hr	ASTMD 3385	23.02
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	52
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	26
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	22
6	Texture	-	Lab SOP	Sandy Clay Loam
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.32
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	128.7
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	292.82
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	551.42
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	125.73
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	105.41
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	342.42
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	504.94

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Garwey
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-1 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/26122024/MON-24-ESoil-1/5-1	**Analysis Start** 26.12.2024
	Inward Date	26.12.2024	**Analysis End** 02.01.2025
	Reference	GSMPO2324.1078 24.11.2023	

Sample Particulars Soil	**Sample Details As Provided By Client** S- 1	**Sampling Date:** 24.12.2024 **Sampling Time:**01.10 pm	**Quantity Received** 5Kg
Sampling By- Anacon Representative Anacon Representative Mr. Kailash Chahande		**Sampling Location** Rignabodi	
Tests Required: Chemical Testing.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result-
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.3
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.01
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	234.48
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	256.49
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.2
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	432.11
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BQL(LOQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	256.49
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.72
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.42

Please refer last Page for Note and Remarks.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kalhane
Technical Manager

Authorized Signatory
Chinmay Gaikay
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-1 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-ESoil-1/5-1 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 24.12.2024 Sampling Time:01.10 pm	Quantity Received
Soil	S-1		2Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Rignabodi

Tests Required: Chemical Testing.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	64.05
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.99
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	63.06
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	110.37
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.96
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	44.35
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11.82
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	39872.88
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	715.41
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.36
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Pradnya Pillewan
Dy. Technical Manager

Signatory
Pooja Kathane
Technical Manager

-----End of Report-----

Authorized Signatory
Chinmay Garwa
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-2 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-ESoil-1/S-2 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025	
Sample Particulars Soil	**Sample Details As Provided By Client** S-2	**Sampling Date:** 25.12.2024 **Sampling Time:**11.25AM	**Quantity Received** 2Kg
Sampling By- Anacon Representative Anacon Representative Mr. Kailash Chahande	**Sampling Location** Project Site		
Tests Required: Chemical Testing.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	2.42
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	27.07
4	Infiltration rate	mm/hr	ASTMD 3385	10.48
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	44
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	30
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	26
6	Texture	-	Lab SOP	Loam
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.46
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	174.8 *
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	157.47
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	515.21
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	109.44
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	110.96
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	442.88
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	524.30

* Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Gandhi
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-2 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/26122024/MON-24-ESoil-1/5-2	**Analysis Start** 26.12.2024
	Inward Date	26.12.2024	**Analysis End** 02.01.2025
	Reference	GSMPO2324.1078 24.11.2023	

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 25.12.2024 Sampling Time:11.25AM	Quantity Received
Soil	S-2		2Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Project Site

Tests Required: Chemical Testing

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.46
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.01
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	154.80
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	415.72
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	187.7
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	548.31
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BLQ(LOQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	415.72
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.85
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.49

Please refer last Page for Note and Remarks.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Garway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-2 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/26122024/MON-24-ESoil-1/5-2	**Analysis Start** 26.12.2024
	Inward Date	26.12.2024	**Analysis End** 02.01.2025
	Reference	GSMPO2324 1078 24.11.2023	

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 25.12.2024 Sampling Time:11:25AM	Quantity Received
Soil	S-2		2Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Project Site

Tests Required: Chemical Testing.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.90
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	84.71
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.99
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	163.70
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.55
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.32
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	53817.59
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	834.68
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	64.72
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Pradnya Pilewan
Dy. Technical Manager

Signatory
Pooja Kathane
Technical Manager

End of Report

Authorized Signatory
Chinmay Ganjay
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-3 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-ESoil-1/5-3 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 25.12.2024 Sampling Time:04.00 PM	Quantity Received
Soil	S-3		5Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Kallabori

Tests Required: Chemical Testing.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	2.59
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corperation, Govt of India)	11.27
4	Infiltration rate	mm/hr	ASTMD 3385	19.01
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	48
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	34
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	18
6	Texture	-	Lab SOP	Sandy Loam
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.12
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	119.1
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.25
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	319.74
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	88.68
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	86.10
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	342.05
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	508.23

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Signatory

Pooja Kathane
Technical Manager

Authorized Signatory

Chinmay Gadway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-3 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/26122024/MON-24-ESoil-1/5-3	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025
	Inward Date	26.12.2024	
	Reference	GSMPO2324.1078 24.11.2023	

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 25.12.2024 Sampling Time:04.00 PM	Quantity Received
Soil	S-3		5Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Kallabori

Tests Required: Chemical Testing.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.66
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.74
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	339.22
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	136.19
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	209.8
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	396.47
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BLQ(LOQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	136.19
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.91
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.52

Please refer last Page for Note and Remarks.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Dhiraj Gajbhiye
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-3 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.** **Inward Date** **Reference**	ALPL/26122024/MON-24-ESoil-1/5-3 26.12.2024 GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 25.12.2024 Sampling Time:04.00 PM	Quantity Received*
Soil	S-3		5Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Kallabori

Tests Required: Chemical Testing

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.06
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	70.96
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.01
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	75.02
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	114.55
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.08
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	51.70
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.32
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	45310.22
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1322.99
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	68.94
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.01

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Pradnya Pillewan
Dy. Technical Manager

Signatory
Pooja Kathane
Technical Manager

-----End of Report-----

Authorized Signatory
Chinmay Gadway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-4 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention** : Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-ESoil-1/5-4 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025	

Sample Particulars	**Sample Details As Provided By Client**	**Sampling Date:** 25.12.2024 **Sampling Time:**04.10 pm	**Quantity Received**
Soil	S-4		2Kg

Sampling By- Anacon Representative	**Sampling Location**
Anacon Representative Mr. Kailash Chahande	Chakdoh

Tests Required: Chemical Testing

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	2.76
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.52
4	Infiltration rate	mm/hr	ASTMD 3385	18.85
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	48
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	28
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	24
6	Texture	-	Lab SOP	Sandy Clay Loam
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.83
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	59.6
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	464.13
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	450.98
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	97.85
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	74.06
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	542.84
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	545.54

Please refer last Page for Note and Remarks

	Verified By	Signatory	Authorized Signatory
Snehal Raut Technical Manager	Dhanashree Hiwanj Sr. Technical Assistant	Pooja Kathane Technical Manager	Chinmay Ganvir Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-4 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala Garamsur, Teh. Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/26122024/MON-24-ESoil-1/5-4	**Analysis Start**	26.12.2024
	Inward Date	26.12.2024	**Analysis End**	02.01.2025
	Reference	GSMPO2324.1078 24.11.2023		

Sample Particulars	**Sample Details As Provided By Client**	**Sampling Date:** 25.12.2024 **Sampling Time:**04.10 pm	**Quantity Received**
Soil	S-4		2Kg

Sampling By- Anacon Representative	**Sampling Location**
Anacon Representative Mr. Kailash Chahande	Chakdoh

Tests Required: Chemical Testing.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.13
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.9
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	138.51
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	606.24
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	200.2
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	357.13
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BLQ(LOQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	606.24
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.78
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.45

Please refer last Page for Note and Remarks

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Garwey
Deputy Quality Manager

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Test Report

Test Report No: ALPL/17112024/1-4 dated 17.11.2024

Issued To : **M/s. Keltech Energies Ltd.** 149/1 149/2, post Dudhala, Garamsur, Teh : Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dwivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-ESoil-1/5-4 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Particulars	Sample Details As Provided By Client	Sampling Date: 26.12.2024 Sampling Time:04.10 pm	Quantity Received
Soil	S-4		2Kg

Sampling By- Anacon Representative	Sampling Location
Anacon Representative Mr. Kailash Chahande	Chakdoh

Tests Required: Chemical Testing

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.15
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.94
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.05
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	95.25
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	184.78
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.05
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.70
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	15.75
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	56364.30
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1011.02
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	95.54
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Pradnya Pillewan
Dy. Technical Manager

Signatory
Pooja Kathane
Technical Manager

-----End of Report-----

Authorized Signatory
Chinmay Gandey
Deputy Quality Manager

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Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500000039F
Test Report No.: ALPL/06012025/2-1A dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-WW-1/2-1 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	**Sample Details As Provided By Client**	**Quantity Received**
Waste Water	WW-1	2 liter

Sampling By- Anacon Representative	**Sampling Date** 25.12.2024 **Sampling Time** 04.10 pm	**Sampling Location**
Anacon Representative - Mr. Kailash Chahande		ETP Outlet

Tests Required: pH, Total dissolved solids, Biochemical oxygen demand, Oil & grease, Chemical oxygen demand, Total Suspended Solid, Sulphate.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline: Chemical Group: Pollution & Environment**		**Material or Product Tested: Waste Water (Effluent)**	
1	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16)	1738
2	pH	-	IS 3025 (Part 11)	7.77
3	TSS	mg/l	IS 3025 (Part 17)	446
4	Sulphate	mg/l	IS 3025 (Part 24)	36.04
5	Oil & Grease	mg/l	IS 3025 (Part -39)	BLQ(LOQ-4)
6	Chemical oxygen demand (COD)	mg/l	IS 3025 (Part 58)	35.82
7	Biochemical oxygen demand (BOD) (3 days at 27°C)	mg/l	IS 3025 (Part 44) : 2023	12

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REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gawhy
Deputy Quality Manager

----------**END OF REPORT**----------

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Test Report

Test Report No.: ALPL/06012025/2-1B dated 06.01.2025 Page 1 of 1

Issued To : **M/s Koltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Alul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.**	ALPL/25122024/MON-24-WW-1/2-1	**Analysis Start** 26.12.2024
	Inward Date	26.12.2024	
	Reference	GSMPO2324.1078 24.11.2023	**Analysis End** 02.01.2025

Sample Description	Sample Details As Provided By Client	Quantity Received
Waste Water	WW-1	2 liter

Sampling By- Anacon Representative			Sampling Location
Anacon Representative - Mr. Kailash Chahande	**Sampling Date**	25.12.2024	ETP Outlet
	Sampling Time	04.10 pm	

Tests Required: pH, Total dissolved solids, Biochemical oxygen demand, Oil & grease, Chemical oxygen demand, Total Suspended Solid, Sulphate.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	Discipline: Chemical Group: Pollution & Environment		Material or Product Tested: Waste Water (Effluent)	
1	Chloride (as Cl)	mg/l	IS 3025 (Part 32)	70.03

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ●**BLQ= below limit of quantification** ● **LOQ= limit of quantification.** ● **Sampling Method ANhd/7.2/MOH-01** ● **Environmental condition – Satisfactory.**

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Chinmay Gawde
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on **feedback@anacon.in.**

Anacon Laboratories

TC-12998

Test Report

ULR No.- TC129982500000040F
Test Report No.: ALPL/06012025/1-2A dated 06.01.2025

Issued To : **M/s Keltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-WW-1/2-2 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description	Sample Details As Provided By Client	Quantity Received
Waste Water	WW-2	2 liter

Sampling By- Anacon Representative	Sampling Date / Sampling Time	Sampling Location
Anacon Representative - Mr. Kailash Chahande	25.12.2024 / 04.15 pm	ETP Inlet

Tests Required: pH, Total dissolved solids, Biochemical oxygen demand, Oil & grease, Chemical oxygen demand, Total Suspended Solid, Sulphate.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline: Chemical** **Group: Pollution & Environment**		**Material or Product Tested: Waste Water (Effluent)**	
1	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16)	16958
2	pH	-	IS 3025 (Part 11)	6.79
3	TSS	mg/l	IS 3025 (Part 17)	4454
4	Sulphate	mg/l	IS 3025 (Part 24)	53.65
5	Oil & Grease	mg/l	IS 3025 (Part -39)	BLQ(LOQ-4)
6	Chemical oxygen demand (COD)	mg/l	IS 3025 (Part 58)	2104.66
7	Biochemical oxygen demand (BOD) (3 days at 27°C)	mg/l	IS 3025 (Part 44) : 2023	185.71

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REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kalbande
Technical Manager

Authorized Signatory
Shrikmay Garwal
Deputy Quality Manager

----------END OF REPORT----------

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

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Anacon Laboratories

Test Report

Test Report No.: ALPL/06012025/1-1B dated 06.01.2025

Issued To : **M/s Kelltech Energies Limited** 149/1 149/2, post Dudhala, Garamsur, Teh.: Katol, Nagpur- 441103 **Kind Attention :** Mr. Atul Dvivedi **Contact No.:** 9454630039	**Sample Inward No.** ALPL/26122024/MON-24-WW-1/2-2 **Inward Date** 26.12.2024 **Reference** GSMPO2324.1078 24.11.2023	**Analysis Start** 26.12.2024 **Analysis End** 02.01.2025

Sample Description Waste Water	**Sample Details As Provided By Client** WW-2	**Quantity Received** 2 liter
Sampling By- Anacon Representative Anacon Representative - Mr. Kailash Chaflende	**Sampling Date** 25.12.2024 **Sampling Time** 04.15 pm	**Sampling Location** ETP Inlet

Tests Required: pH, Total dissolved solids, Biochemical oxygen demand, Oil & grease, Chemical oxygen demand, Total Suspended Solid, Sulphate

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline: Chemical** **Group: Pollution & Environment**		**Material or Product Tested: Waste Water (Effluent)**	
1	Chloride (as Cl)	mg/l	IS 3025 (Part 32)	107.38

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ●**BLQ= below limit of quantification** ● **LOQ= limit of quantification.** ● **Sampling Method-AM/id/7.3/MON-01** ● **Environmental condition – Satisfactory.**
REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By
Snehal Raut
Technical Manager

Signatory
Pooja Kathane
Technical Manager

Authorized Signatory
Bhimray Gamay
Deputy Quality Manager

----------**END OF REPORT**----------

ORIGINAL TEST REPORT

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavor towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on **feedback@anacon.in.**

ANNEXURE – II

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (JANUARY 2025 to MARCH 2025)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

APRIL – 2025

Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002051F
Test Report No.: ALPL/12042025/1-1 Dated: 12/04/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/020425/ENV-1/20-1 **Inward Date:** 02/04/2025	**Analysis Start date:** 03/04/2025 **Analysis End date:** 07/04/2025 **Report Issue Date:** 12/04/2025
Samplings details: **Instrument ID :** ALPL/RDS/ENV-20, ALPL/FPS/18 **Calibration Status :** 22/08/2024 to 21/08/2025 **Make & Model :-** CEIS/CEIS-121, CEIS/CEIS-131 **Serial No.:-** RDS/317-2024, FPS/410-2024,	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 24/03/2025 to 25/03/2025 **Time of sampling and duration :.** Sampled from 24/03/2025 (01:30 pm) to 25/03/2025 (01:30 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each. Particulate Matter ($PM_{2.5}$)-1No, 24hrs. Sulphur dioxide - 6Nos., 4 hrly each : Oxides of Nitrogen - 6Nos., 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O_3)- 3Nos., 8 hrly each: Ammonia (as NH_3)- 3Nos., 8 hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each: **Sampling location : Near Main Gate** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m³	IS:5182 (Part 23)	62.3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m³	USEPA-40 (Part 50)	25.8	60 (24 hrs)
3.	Sulphur dioxide	µg /m³	IS:5182 (Part 2)	13.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m³	IS:5182 (Part 6)	19.6	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m³	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m³	IS:5182 (Part 9)	10.5	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m³	CPCB Guidelines Volume 1	17.6	400 (24 hrs)
11.	Benzene	µg /m³	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m³	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • **BLQ= below limit of quantification , LOQ= limit of quantification.** • **Environmental condition – Satisfactory. & clear.** • **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut
Technical Manager

Pradnya Pilewan
Deputy Technical Manager

Kashish Dharrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garwy
Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.-TC129982500002652F
Test Report No.: ALPL/12042025/1-2 Dated: 12/04/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/020425/ENV-1/20-2 **Inward Date:** 02/04/2025	**Analysis Start date:** 03/04/2025 **Analysis End date:** 07/04/2025 **Report Issue Date:** 12/04/2025
Samplings details: **Instrument ID :** ALPL-TSL/CEIS-RDS/2024/13, ALPL-TSL/CEIS-FPS/2024/13 **Calibration Status :**22/08/2024 to 21/08/2025. **Make & Model :-** CEIS/CEIS-121, 131 **Serial No.:-** RDS/326-2024,FPS/414/2024.	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 24/03/2025 to 25/03/2025 **Time of sampling and duration :** Sampled from 24/03/2025 (01:50 pm) to 25/03/2025 (01:50 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each. Particulate Matter ($PM_{2.5}$)-1No, 24hrs: Sulphur dioxide - 6Nos., 4 hrly each : Oxides of Nitrogen - 6Nos., 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each. Lead as Pb-3Nos., 8 hrly each. Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O_3)- 3Nos., 8 hrly each: Ammonia (as NH_3)- 3Nos., 8 hrly each. Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each: **Sampling location :** Near Process Area **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m³	IS:5182 (Part 23)	68.7	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m³	USEPA-40 (Part 50)	25.9	60 (24 hrs)
3.	Sulphur dioxide	µg /m³	IS:5182 (Part 2)	12.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m³	IS:5182 (Part 6)	21.0	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m³	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m³	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m³	IS:5182 (Part 9)	12.6	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m³	CPCB Guidelines Volume 1	16.1	400 (24 hrs)
11.	Benzene	µg /m³	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m³	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

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Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Kashish Dharrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.-TC129982500002053F
Test Report No.: ALPL/12042025/1-3 Dated: 12/04/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/020425/ENV-1/20-3 **Inward Date:** 02/04/2025	**Analysis Start date:** 03/04/2025 **Analysis End date:** 07/04/2025 **Report Issue Date:** 12/04/2025
Samplings details: **Instrument ID :** ALPL/RDS/ENV-20, ALPL/FPS/18 **Calibration Status :** 22/08/2024 to 21/08/2025 **Make & Model :-** CEIS/CEIS-121, CEIS/CEIS-131 **Serial No.:-** RDS/317-2024, FPS/410-2024.	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 25/03/2025 to 26/03/2025 **Time of sampling and duration :** Sampled from 25/03/2025 (02:15 pm) to 26/03/2025 (02:15 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each; Particulate Matter ($PM_{2.5}$)-1No. 24hrs; Sulphur dioxide - 6Nos., 4 hrly each ; Oxides of Nitrogen - 6Nos., 4 hrly each ; Carbon Monoxide (as CO)- 3Nos., 8 hrly each; Lead as Pb-3Nos., 8 hrly each; Nickel as Ni -3Nos., 8 hrly each; Arsenic as As-3Nos., 8 hrly each; Ozone (as O_3)- 3Nos., 8 hrly each; Ammonia (as NH_3)- 3Nos., 8 hrly each; Benzene-3Nos., 8 hrly each; Benzo-Pyrene-3Nos., 8 hrly each; **Sampling location :** Rignabodi Village **Reference to sampling procedure:** ANld/7.2/Mon-01 **Reference to sampling plan:** ANld/7.3/Mon-02/March-2025/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	71.3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	30.5	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS:5182 (Part 2)	13.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	21.0	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	9.2	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	19.2	400 (24 hrs)
11.	Benzene	µg /m^3	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • **BLQ= below limit of quantification , LOQ= limit of quantification.** • **Environmental condition – Satisfactory. & clear.** • **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).**

Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

—End of Report—

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002054F
Test Report No.: ALPL/12042025/I-4 Dated: 12/04/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/020425/ENV-1/20-4 **Inward Date:** 02/04/2025	**Analysis Start date:** 03/04/2025 **Analysis End date:** 07/04/2025 **Report Issue Date:** 12/04/2025
Samplings details: **Instrument ID :** ALPL-TSL/CEIS-RDS/2024/13, ALPL-TSL/CEIS-FPS/2024/13 **Calibration Status :**22/08/2024 to 21/08/2025. **Make & Model :-** CEIS/CEIS-121, 131 **Serial No.:-** RDS/326-2024,FPS/414/2024.	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 25/03/2025 to 26/03/2025 **Time of sampling and duration :** Sampled from 25/03/2025 (02:30 pm) to 26/03/2025 (02:30 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each: Particulate Matter ($PM_{2.5}$)-1No, 24hrs. Sulphur dioxide - 6Nos., 4 hrly each : Oxides of Nitrogen - 6Nos., 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O_3)- 3Nos., 8 hrly each: Ammonia (as NH_3)- 3Nos., 8 hrly each: Benzene-3Nos., 8 hrly each: Benzo Pyrene-3Nos., 8 hrly each: **Sampling location : Mhasala Village** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	78.2	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	22.6	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS 5182 (Part 2)	12.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	18.9	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtr/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	13.4	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	20.3	400 (24 hrs)
11.	Benzene	µg /m^3	ANtr/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtr/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • **BLQ= below limit of quantification , LOQ= limit of quantification.** • **Environmental condition – Satisfactory. & clear• Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).**

Remark: - All Results are within Limit as per NAAQMS Standards

Verified by

Snehal Raut
Technical Manager

Pradnya Pillewan
Deputy Technical Manager

Kashish Dharrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Gajwani
Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.-TC129982500002055F
Test Report No.: ALPL/12042025/1-5 **Dated:** 12/04/2025

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.	**Sample Inward No.:** ALPL/020425/ENV-1/20-5 **Inward Date:** 02/04/2025	**Analysis Start date:** 03/04/2025 **Analysis End date:** 07/04/2025 **Report Issue Date:** 12/04/2025
Samplings details: **Instrument ID :** ALPL/RDS/ENV-20, ALPL/FPS/18 **Calibration Status :** 22/06/2024 to 21/06/2025 **Make & Model :-** CEIS/CEIS-121, CEIS/CEIS-131 **Serial No.:-** RDS/317-2024, FPS/410-2024.	**Sample Description :** Ambient Air **Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 26/03/2025 to 27/03/2025 **Time of sampling and duration :** Sampled from 26/03/2025 (02:25 pm) to 27/03/2025 (02:25 pm). Particulate Matter (PM_{10})- 3Nos., 8 hrly each. Particulate Matter ($PM_{2.5}$)-1No, 24hrs: Sulphur dioxide - 6Nos., 4 hrly each . Oxides of Nitrogen - 6Nos., 4 hrly each : Carbon Monoxide (as CO)- 3Nos., 8 hrly each: Lead as Pb-3Nos., 8 hrly each: Nickel as Ni -3Nos., 8 hrly each: Arsenic as As-3Nos., 8 hrly each: Ozone (as O_3)- 3Nos., 8 hrly each: Ammonia (as NH_3)- 3Nos., 8 hrly each: Benzene-3Nos., 8 hrly each: Benzo-Pyrene-3Nos., 8 hrly each: **Sampling location : Garamsur Village** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10	

Test Results

Sr. No.	Test Parameters	Measurement Unit	Test Method	Test Results	NAAQMS Standards
I.	**Discipline:** Chemical	**Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Air	
1.	Particulate Matter (PM_{10})	µg /m^3	IS:5182 (Part 23)	63.8	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	µg /m^3	USEPA-40 (Part 50)	21.5	60 (24 hrs)
3.	Sulphur dioxide	µg /m^3	IS:5182 (Part 2)	9.9	80 (24 hrs)
4	Oxides of Nitrogen	µg /m^3	IS:5182 (Part 6)	16.0	80 (24 hrs)
5.	Carbon Monoxide (as CO)	mg /m^3	IS:5182 (Part 10)	BLQ (LOQ-0.5)	2.0 (8 hrs)
6.	Lead as Pb	µg /m^3	ANtn/7.2/RES-INORG/04	BLQ (LOQ-0.2)	1.0 (24 hrs)
7.	Nickel as Ni	ng /m^3	ANtn/7.2/RES-INORG/04	BLQ (LOQ-10.0)	20.0 (annual)
8.	Arsenic as As	ng /m^3	ANtn/7.2/RES-INORG/04	BLQ (LOQ-2.0)	6.0 (annual)
9.	Ozone	µg /m^3	IS:5182 (Part 9)	10.9	100 (8 hrs)
10.	Ammonia (NH_3)	µg /m^3	CPCB Guidelines Volume 1	16.4	400 (24 hrs)
11.	Benzene	µg /m^3	ANtn/7.2/RES/28	BLQ (LOQ-0.01)	5.0 (annual)
12.	Benzopyrene	ng /m^3	ANtn/7.2/RES/29	BLQ (LOQ-0.01)	1.0 (annual)

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Remark: - All Results are within Limit as per NAAQMS Standards.

Verified by

Snehal Raut
Technical Manager

Pradnya Pitlewan
Deputy Technical Manager

Kashish Dhanrajani
Deputy Technical Manager

Authorized Signatory

Chinmay Ganjay
Deputy Quality Manager

----End of Report----

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TC-12998

Test Report

ULR No.-TC129982500002056F
Test Report No.: ALPL/12042025/1-6 Dated: 12/04/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/020425/ENV-1/20-6 **Inward Date:** 02/04/2025	**Report Issue Date:** 12/04/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-1 **Make & Model:** HTC-SL-1352 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 25/03/2025 to 26/03/2025 **Time & Duration of sampling :** 10:44 am & 24 hrs. **Sampling location : Garamsur Village** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10 **Weather Conditions :** Satisfactory & Clear **Any other observation** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution				**Material or Product tested :** Ambient Noise		
1.	Garamsur Village	IS 9989	52.3	39.1	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garway
Deputy Quality Manager

---End of Report---

ORIGINAL TEST REPORT

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TC-12998

Test Report

ULR No.-TC129982500002057F
Test Report No.: ALPL/12042025/1-7 Dated: 12/04/2025 Page 1 of 1

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/020425/ENV-1/20-7 **Inward Date:** 02/04/2025	**Report Issue Date:** 12/04/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-2 **Make & Model:** HTC-SL-1350 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 25/03/2025 to 26/03/2025 **Time & Duration of sampling :** 12.20 pm & 24 hrs. **Sampling location :** Dhankura Village **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution				**Material or Product tested :** Ambient Noise		
2.	Dhankura Village	IS 9989	55.8	42.3	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Ganvir
Deputy Quality Manager

----*End of Report*----

ORIGINAL TEST REPORT

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TC-12998

Test Report

ULR No.-TC129982500002058F
Test Report No.: ALPL/12042025/1-8 **Dated:** 12/04/2025 **Page 1 of 1**

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/020425/ENV-1/20-8 **Inward Date:** 02/04/2025	**Report Issue Date:** 12/04/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-1 **Make & Model:** HTC-SL-1352 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 26/03/2025 to 27/03/2025 **Time & Duration of sampling :** 01:05 pm & 24 hrs. **Sampling location : Project Site PETN** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
1.	**Discipline:** Chemical **Group:** Atmospheric Pollution				**Material or Product tested :** Ambient Noise		
3.	Project Site PETN	IS 9989	65.2	52.7	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garwad
Deputy Quality Manager

---End of Report---

Thank you for instilling your trust and faith in our services. We cherish our relationship with you, and we put in a lot of hard work in making sure that you get a seamless experience at every stage of your interaction with us. In our constant endeavour towards ensuring that your next experience will be significantly better than the current one, we welcome your feedback on feedback@anacon.in.

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TC-12998

Test Report

ULR No.-TC129982500002059F
Test Report No.: ALPL/12042025/1-9 **Dated:** 12/04/2025 **Page 1 of 1**

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala. **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/020425/ENV-1/20-9 **Inward Date:** 02/04/2025	**Report Issue Date:** 12/04/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-2 **Make & Model:** HTC-SL-1350 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 26/03/2025 to 27/03/2025 **Time & Duration of sampling :** 01:10 pm & 24 hrs. **Sampling location :** Project Site Slurry **Reference to sampling procedure:** ANld/7.2/Mon-01 **Reference to sampling plan:** ANld/7.3/Mon-02/March-2025/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) : -	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution				**Material or Product tested :** Ambient Noise		
4	Project Site Slurry	IS 9989	68.7	55.1	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

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Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garwey
Deputy Quality Manager

---End of Report---

ORIGINAL TEST REPORT

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TC-12998

Test Report

ULR No.-TC129982500002070F
Test Report No.: ALPL/12042025/1-10 **Dated:** 12/04/2025

Issued To: **M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, **Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.**	**Sample Inward No.:** ALPL/020425/ENV-1/20-10 **Inward Date:** 02/04/2025	**Report Issue Date:** 12/04/2025
Sample Subgroup : Ambient Noise	**Sample Description:** Ambient Noise	
Samplings details: **Instrument ID :** ALPL/2024/NE/N-1 **Make & Model:** HTC-SL-1352 **Calibration Status :** 18/06/2024 to 17/05/2025	**Sampled by Anacon Representative:** Mr. Kailash Chahande **Date of Sampling :** 26/03/2025 to 27/03/2025 **Time & Duration of sampling :** 01:20 pm & 24 hrs. **Sampling location :** **Project Site Spinning** **Reference to sampling procedure:** ANtd/7.2/Mon-01 **Reference to sampling plan:** ANtd/7.3/Mon-02/March-2025/10 **Weather Conditions :** Satisfactory & Clear **Any other observation:** (If applicable) :-	

Discipline: Chemical
Group: Atmospheric Pollution

Test Results

Ambient Noise Level

Sr. No.	Location	Test Method	Test Result dB (A)		CPCB standards for Noise Levels		
			Leq dB (A) (Day Time)	Leq dB (A) (Night Time)	Category of Areas:	Leq dB (A) (Day Time)	Leq dB (A) (Night Time)
I.	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Ambient Noise				
5.	Project Site Spinning	IS 9989	69.4	57.1	Industrial Area	75	70
					Commercial Area	65	55
					Residential Area	55	45
					Silence Zone	50	40

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report ● Results shall be referred to tested sample(s) and applicable to tested parameters only ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Remark: - All Results are within Limit as per CPCB Standards for Industrial Area.

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garway
Deputy Quality Manager

---*End of Report*---

ORIGINAL TEST REPORT

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002078F
Test Report No.: ALPL/23042025/5-1A Dated :23.04.2025

Issued To :			
M/s Keltech Energies Ltd. 149/1,149/2,Post Dudhala,Gararmsur The :Katol,Nagpur.441103 Kind Attetion : Dr. Atul P Dwivedi Contact No. : 9595875900	Sample Inward No.	ALPL/020425/ENV,W,WW-1/20-16	Analysis Start 02.04.2025
	Inward Date	02.04.2025	Analysis End 23.04.2025
	Reference	NA	
	Inv. No.	-	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Samping Code: GW-1	Drinking	2 Ltr + 250ml

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtr/7.2/MON-01	Sampling Date: 25.03.2025 Sampling Time: 11.00 am	Sampling Location Ringnabodi Village

Tests Required : Coliform , pH, Turbidity, Total dissolved solids(TDS), Calcium (as Ca), Chloride (as Cl), Fluoride (as F), Magnesium (as Mg), Nitrate (as NO_3), Sulphate (as SO_4), Sodium (as Na), Total Alkalnity (as Calcium Carbonate), Total hardness (as CaCO3), Mineral Oil.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.13
3	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
4	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	**511**
5	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	**83.2**
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	87.21
7	Fluoride (as F)	mg/l	IS 3025 (Part 60/Sec1) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
8	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	**44.22**
9	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) Clause 6.4	45	No relaxation	14.73
10	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	21.75
11	Sodium (as Na)	mg/l	IS 3025 (Part 45) Clause 5	-	-	26.44
12	Total Alkalnity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	**267.95**
13	Total hardness (as CaCO3)	mg/l	IS 3025 (Part 21) Clause 5	200	600	**390**
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ -0.001)

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Kailash Dhanrajani
Dy.Technical Manager

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Ganwar
Deputy Quality Manager

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002078F
Test Report No.: ALPL/23042025/5-1A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-16 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-1	Drinking	2 Ltr + 250ml

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 11.00 am	Ringnabodi Village

Tests Required : Total Arsenic (as As), Copper (as Cu), Cadmium (as Cd), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Total Chromium (as Cr), Iron (as Fe), Zinc (as Zn).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline: Chemical Group: Residues in Water**					
15	Total Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
16	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
17	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.21
23	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500 : 2012 requirements for the test sr. no. 4 ,5 , 8 , 12 & 13.**

Verified By

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatory

Chinmay Garwa
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

Test Report

Test Report No.: ALPL/23042025/5-1B **Dated** 23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV.W.WW-1/20-16 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025	

Sample Description	**Sample Details As Provided By Client**	**Purpose Of Analysis**	**Quantity Received**
Ground Water	Sampling Code :GW-1	Drinking	2 Ltr + 250ml

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/NON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 11.00 am	**Sampling Location** Ringnabodi Village

Tests Required : Faecal Coliforms, Dissolved Oxygen, Cobalt (as Co), Oil & grease, Total kjeldahl Nitrogen (as N), Total Phosphate, Total Suspended Solids, Potassium, Electrical Conductivity .

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline : Biological** **Group : Water**			
1	Faecal Coliforms	MPN/100ml	IS 1622	BLQ(LOQ-2)
II	**Discipline: Chemical** **Group: Water**			
2	Dissolved Oxygen	mg/l	APHA method 23rd edition: 2017	5.7
3	Cobalt (as Co)	mg/l	ICP-OES	BLQ(LOQ-0.02)
4	Oil & grease	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-4)
5	Total kjeldahl Nitrogen (as N)	mg/l	APHA method 23rd edition: 2017	25.93
6	Total Phosphate	mg/l	ICP-OES	BLQ(LOQ-0.02)
7	Total Suspended Solids	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-10)
8	Potassium	mg/l	APHA method 23rd edition: 2017	3.06
9	Electrical Conductivity	µs/cm	APHA method 23rd edition: 2017	774

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'ngt' is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.**

REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Gadway
Deputy Quality Manager

----------END OF REPORT----------

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002079F
Test Report No.: ALPL/23042025/6-2A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur Tlle :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-17 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-2	Drinking	2 Ltr + 250ml

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.24 pm	**Sampling Location** Dhankura Village

Tests Required : Coliform , pH, Turbidity, Total dissolved solids(TDS), Calcium (as Ca), Chloride (as Cl), Fluoride (as F), Magnesium (as Mg), Nitrate (as NO_3), Sulphate (as SO_4), Sodium (as Na), Total Alkalinity (as Calcium Carbonate), Total hardness (as CaCO3), Mineral Oil.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.89
3	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
4	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	728
5	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	96.8
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	158.17
7	Fluoride (as F)	mg/l	IS 3025 (Part 60/Sec1) Clause 6	1.0	1.5	0.18
8	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	42.76
9	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) Clause 6.4	45	No relaxation	16.43
10	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	84.06
11	Sodium (as Na)	mg/l	IS 3025 (Part 45) Clause 5	-	-	31.61
12	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	297.07
13	Total hardness (as CaCO3)	mg/l	IS 3025 (Part 21) Clause 5	200	600	418
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ -0.001)

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Kailash Dhanrajani
Dy.Technical Manager

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chirumay Garway
Deputy Quality Manager

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Test Report

ULR No.-TC129982500002079F
Test Report No.: ALPL/23042025/5-2A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-17 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -		**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025
Sample Description Ground Water	**Sample Details As Provided By Client** Sampling Code: GW-2	**Purpose Of Analysis** Drinking	**Quantity Received** 2 Ltr + 250ml
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.24 pm	**Sampling Location** Dhankura Village	
Tests Required : Total Arsenic (as As), Copper (as Cu), Cadmium (as Cd), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Total Chromium (as Cr), Iron (as Fe), Zinc (as Zn).			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline: Chemical Group: Residues in Water**					
15	Total Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
16	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
17	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.2
23	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QF/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500 : 2012 requirements for the test sr. no. 4 ,5 , 8 , 12 & 13.**

Verified By

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatory

Chinmay Garwal
Deputy Quality Manager

----------END OF REPORT----------

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Anacon Laboratories

Test Report

Test Report No.: ALPL/23042025/5-2B **Dated** 23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-17	**Analysis Start** 02.04.2025
	Inward Date	02.04.2025	**Analysis End** 23.04.2025
	Reference	NA	
	Inv. No.	-	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-2	Drinking	2 Ltr + 250ml

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.24 pm	**Sampling Location** Dhankura Village

Tests Required : Faecal Coliforms, Dissolved Oxygen, Cobalt (as Co), Oil & grease, Total kjeldahl Nitrogen (as N), Total Phosphate, Total Suspended Solids, Potassium, Electrical Conductivity .

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline : Biological** **Group : Water**			
1	Faecal Coliforms	MPN/100ml	IS 1622	BLQ(LOQ-2)
II	**Discipline: Chemical Group: Water**			
2	Dissolved Oxygen	mg/l	APHA method 23rd edition: 2017	5.7
3	Cobalt (as Co)	mg/l	ICP-OES	BLQ(LOQ-0.02)
4	Oil & grease	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-4)
5	Total kjeldahl Nitrogen (as N)	mg/l	APHA method 23rd edition: 2017	30.66
6	Total Phosphate	mg/l	ICP-OES	BLQ(LOQ-0.02)
7	Total Suspended Solids	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-10)
8	Potassium	mg/l	APHA method 23rd edition: 2017	3.57
9	Electrical Conductivity	µs/cm	APHA method 23rd edition: 2017	1097

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.**

REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwal
Deputy Quality Manager

--------END OF REPORT--------

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002080F
Test Report No.: ALPL/23042025/5-3A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1, 149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-18	**Analysis Start**	02.04.2025
	Inward Date	02.04.2025	**Analysis End**	23.04.2025
	Reference	NA		
	Inv. No.	-		

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-3	Drinking	2 Ltr + 250ml

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 10.43 am	Sampling Location Garamsur Village

Tests Required : Coliform , pH, Turbidity, Total dissolved solids(TDS), Calcium (as Ca), Chloride (as Cl), Fluoride (as F), Magnesium (as Mg), Nitrate (as NO_3), Sulphate (as SO_4), Sodium (as Na), Total Alkalinity (as Calcium Carbonate), Total hardness (as CaCO3), Mineral Oil.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	8.06
3	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
4	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	352
5	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	23.2
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	45.82
7	Fluoride (as F)	mg/l	IS 3025 (Part 60/Sec1) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
8	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	22.84
9	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) Clause 6.4	45	No relaxation	12.58
10	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	16.43
11	Sodium (as Na)	mg/l	IS 3025 (Part 45) Clause 5	-	-	17.38
12	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	180.57
13	Total hardness (as CaCO3)	mg/l	IS 3025 (Part 21) Clause 5	200	600	152
III	**Discipline : Chemical**	**Group : Residues in water**				
14	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ -0.001)

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Kashish Dhanrajani
Dy.Technical Manager

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwal
Deputy Quality Manager

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002080F
Test Report No.: ALPL/23042025/5-3A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-18	**Analysis Start** 02.04.2025
	Inward Date	02.04.2025	**Analysis End** 23.04.2025
	Reference	NA	
	Inv. No.	-	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-3	Drinking	2 Ltr + 250ml

Sampling By	Sampling Date / Time	Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	Sampling Date: 25.03.2025 Sampling Time: 10.43 am	Garamsur Village

Tests Required : Total Arsenic (as As), Copper (as Cu), Cadmium (as Cd), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Total Chromium (as Cr), Iron (as Fe), Zinc (as Zn).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline: Chemical Group: Residues in Water**					
15	Total Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
16	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
17	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.49
23	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only. **Sample bearing the details mentioned as above is complying with IS 10500 : 2012 requirements for the tested parameters.**

Verified By

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

Test Report

Test Report No.: ALPL/23042025/5-3B **Dated** :23.04.2025 **Page** 1 of 1

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-18 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-3	Drinking	2 Ltr + 250ml

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 10.43 am	Garamsur Village

Tests Required : Faecal Coliforms, Dissolved Oxygen, Cobalt (as Co), Oil & grease, Total kjeldahl Nitrogen (as N), Total Phosphate, Total Suspended Solids, Potassium, Electrical Conductivity .

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline : Biological** **Group : Water**			
1	Faecal Coliforms	MPN/100ml	IS 1622	BLQ(LOQ-2)
II	**Discipline: Chemical Group: Water**			
2	Dissolved Oxygen	mg/l	APHA method 23rd edition: 2017	5.8
3	Cobalt (as Co)	mg/l	ICP-OES	BLQ(LOQ-0.02)
4	Oil & grease	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-4)
5	Total kjeldahl Nitrogen (as N)	mg/l	APHA method 23rd edition: 2017	22.41
6	Total Phosphate	mg/l	ICP-OES	BLQ(LOQ-0.02)
7	Total Suspended Solids	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-10)
8	Potassium	mg/l	APHA method 23rd edition: 2017	2.51
9	Electrical Conductivity	µs/cm	APHA method 23rd edition: 2017	544

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm' ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.**

REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garway
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129862500002081F
Test Report No.: ALPL/23042025/5-4A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-19	**Analysis Start** 02.04.2025
	Inward Date	02.04.2025	**Analysis End** 23.04.2025
	Reference	NA	
	Inv. No.	-	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-4	Drinking	2 Ltr + 250ml

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANid/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.05 pm	Project site

Tests Required : Coliform , pH, Turbidity, Total dissolved solids(TDS), Calcium (as Ca), Chloride (as Cl), Fluoride (as F), Magnesium (as Mg), Nitrate (as NO_3), Sulphate (as SO_4), Sodium (as Na), Total Alkalinity (as Calcium Carbonate), Total hardness (as CaCO3), Mineral Oil.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.59
3	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
4	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	1231
5	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	131.2
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	316.6
7	Fluoride (as F)	mg/l	IS 3025 (Part 60/Sec1) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
8	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 8	30	100	83.59
9	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) Clause 6.4	45	No relaxation	14.01
10	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	52.24
11	Sodium (as Na)	mg/l	IS 3025 (Part 45) Clause 5	-	-	49.27
12	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	355.2
13	Total hardness (as CaCO3)	mg/l	IS 3025 (Part 21) Clause 5	200	600	672
II	**Discipline : Chemical**	**Group : Residues in water**				
14	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ -0.001)

☐ **Please refer last Page for Note and Remarks.**

Verified By

Srishal Raut
Technical Manager

Kashish Dhanrajani
Dy.Technical Manager

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwey
Deputy Quality Manager

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Test Report

ULR No.-TC129982500002081F
Test Report No.: ALPL/23042025/S-4A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WWI-1/20-19 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -		**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-4	Drinking	2 Ltr + 250ml

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.05 pm	Project site

Tests Required : Total Arsenic (as As), Copper (as Cu), Cadmium (as Cd), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Total Chromium (as Cr), Iron (as Fe), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline: Chemical Group: Residues in Water**					
15	Total Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
16	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
17	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	0.12
23	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.** ● **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** ● **pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only. **Sample bearing the details mentioned as above is not complying with IS 10500 : 2012 requirements for the test sr. no. 4 ,5 ,6 , 12 & 13.**

Verified By

Dnyaneshree Hiwanj
Sr.Technical Assistant

Authorized Signatory

Chirpaly Garwal
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

Test Report

Test Report No.: ALPL/23042025/5-4B **Dated :** 23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-19 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Ground Water	Sampling Code: GW-4	Drinking	2 Ltr + 250ml

Sampling By	Sampling Date: 25.03.2025 Sampling Time: 12.05 pm	Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtol/7.2/MON-01		Project site

Tests Required : Faecal Coliforms, Dissolved Oxygen, Cobalt (as Co), Oil & grease, Total kjeldahl Nitrogen (as N), Total Phosphate, Total Suspended Solids, Potassium, Electrical Conductivity .

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline : Biological** **Group : Water**			
1	Faecal Coliforms	MPN/100ml	IS 1622	BLQ(LOQ-2)
II	**Discipline: Chemical Group: Water**			
2	Dissolved Oxygen	mg/l	APHA method 23rd edition: 2017	5.6
3	Cobalt (as Co)	mg/l	ICP-OES	BLQ(LOQ-0.02)
4	Oil & grease	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-4)
5	Total kjeldahl Nitrogen (as N)	mg/l	APHA method 23rd edition: 2017	33.19
6	Total Phosphate	mg/l	ICP-OES	BLQ(LOQ-0.02)
7	Total Suspended Solids	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-10)
8	Potassium	mg/l	APHA method 23rd edition: 2017	4.36
9	Electrical Conductivity	µs/cm	APHA method 23rd edition: 2017	1896

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● mg/l is equivalent to 'ppm'. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.** ● **Environmental Condition- Clear & Satisfactory.**

REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwa
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002082F
Test Report No.: ALPL/23042025/5-5A Dated :23.04.2025 Page 1 of 2

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-20	**Analysis Start**	02.04.2025
	Inward Date	02.04.2025	**Analysis End**	23.04.2025
	Reference	NA		
	Inv. No.	-		

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Drinking Water	Sampling Code: DW-1	Drinking	2 Ltr + 250ml

Sampling By	Sampling Date / Time	Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	Sampling Date: 26.03.2025 Sampling Time: 01.00 pm	Outlet of RO Plant

Tests Required : Coliform , pH, Turbidity, Total dissolved solids(TDS), Calcium (as Ca), Chloride (as Cl), Fluoride (as F), Magnesium (as Mg), Nitrate (as NO_3), Sulphate (as SO_4), Sodium (as Na), Total Alkalinity (as Calcium Carbonate), Total hardness (as CaCO3), Mineral Oil.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Discipline : Biological**	**Group : Water**				
1	Coliform	Per 100 ml	IS 15185	Absent	Absent	Absent
II	**Discipline : Chemical**	**Group : Water**				
2	pH	-	IS 3025 (Part 11)	6.5 to 8.5	No relaxation	7.80
3	Turbidity	NTU	IS 3025 : (Part 10)	1	5	0.1
4	Total dissolved solids	mg/l	IS 3025 (Part 16)	500	2000	249
5	Calcium (as Ca)	mg/l	IS 3025 (Part 40) Clause 5	75	200	BLQ(LOQ-2)
6	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	250	1000	37.44
7	Fluoride (as F)	mg/l	IS 3025 (Part 60/Sec1) Clause 6	1.0	1.5	BLQ(LOQ-0.1)
8	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) Clause 6	30	100	BLQ(LOQ-2)
9	Nitrate (as NO_3)	mg/l	IS 3025 (Part 34/Sec1) Clause 6.4	45	No relaxation	8.16
10	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24/ Sec1) Clause 5	200	400	5.88
11	Sodium (as Na)	mg/l	IS 3025 (Part 45) Clause 5	-	-	14.08
12	Total Alkalinity (as Calcium Carbonate)	mg/l	IS 3025 (Part 23)	200	600	133.97
13	Total hardness (as CaCO3)	mg/l	IS 3025 (Part 21) Clause 5	200	600	BLQ(LOQ-4)
II	**Discipline : Chemical**	**Group : Residues in water**				
14	Mineral Oil	mg/l	ANtr/7.2/RES/06	1	No relaxation	BLQ (LOQ -0.001)

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Kashish Dharrajani
Dy.Technical Manager

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwa
Deputy Quality Manager

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Anacon Laboratories

Test Report

Test Report No.: ALPL/23042025/5-5B **Dated:** 23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-20 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -		**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025

Sample Description	**Sample Details As Provided By Client**	**Purpose Of Analysis**	**Quantity Received**
Drinking Water	Sampling Code: DW-1	Drinking	2 Ltr + 250ml

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANM/7.2/MON-01	**Sampling Date:** 26.03.2025 **Sampling Time:** 01.00 pm	**Sampling Location** Outlet of RO Plant

Tests Required : Faecal Coliforms, Dissolved Oxygen, Cobalt (as Co), Oil & grease, Total kjeldahl Nitrogen (as N), Total Phosphate, Total Suspended Solids, Potassium, Electrical Conductivity

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline : Biological** **Group : Water**			
1	Faecal Coliforms	MPN/100ml	IS 1622	BLQ(LOQ-2)
II	**Discipline: Chemical Group: Water**			
2	Dissolved Oxygen	mg/l	APHA method 23rd edition: 2017	5.8
3	Cobalt (as Co)	mg/l	ICP-OES	BLQ(LOQ-0.02)
4	Oil & grease	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-4)
5	Total kjeldahl Nitrogen (as N)	mg/l	APHA method 23rd edition: 2017	13.07
6	Total Phosphate	mg/l	ICP-OES	BLQ(LOQ-0.5)
7	Total Suspended Solids	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-10)
8	Potassium	mg/l	APHA method 23rd edition: 2017	2.29
9	Electrical Conductivity	µs/cm	APHA method 23rd edition: 2017	364

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwal
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002082F
Test Report No.: ALPL/23042025/5-5A Dated :23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV.W.WW-1/20-20 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -		**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Drinking Water	Sampling Code: DW-1	Drinking	2 Ltr + 250ml

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 26.03.2025 **Sampling Time:** 01.00 pm	Outlet of RO Plant

Tests Required : Total Arsenic (as As), Copper (as Cu), Cadmium (as Cd), Lead (as Pb), Manganese (as Mn), Nickel (as Ni), Total Chromium (as Cr), Iron (as Fe), Zinc (as Zn)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
III	**Discipline: Chemical Group: Residues in Water**					
15	Total Arsenic (as As)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
16	Copper (as Cu)	mg/l	IS 3025 (Part 2)	0.05	1.5	BLQ(LOQ-0.02)
17	Cadmium (as Cd)	mg/l	IS 3025 (Part 2)	0.003	No relaxation	BLQ(LOQ-0.002)
18	Lead (as Pb)	mg/l	IS 3025 (Part 2)	0.01	No relaxation	BLQ(LOQ-0.01)
19	Manganese (as Mn)	mg/l	IS 3025 (Part 2)	0.1	0.3	BLQ(LOQ-0.02)
20	Nickel (as Ni)	mg/l	IS 3025 (Part 2)	0.02	No relaxation	BLQ(LOQ-0.01)
21	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2)	0.05	No relaxation	BLQ(LOQ-0.02)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2)	1.0	No relaxation	BLQ(LOQ-0.02)
23	Zinc (as Zn)	mg/l	IS 3025 (Part 2)	5	15	BLQ(LOQ-0.02)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • **BLQ- Below Limit of Quantification** • **LOQ-Limit Of Quantification.** • **Environmental Condition- Clear & Satisfactory.** • **Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).** • **pH Value was measured at 25°C.**

REMARKS: As requested by the client, sample was tested for above parameters only.. **Sample bearing the details mentioned as above is complying with IS 10500 : 2012 requirements for the tested parameters.**

Verified By

Dhanashree Hiwanj
Sr.Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---------END OF REPORT---------

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Anacon Laboratories

Test Report

Test Report No.: ALPL/23042025/S-58 **Dated** 23.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV,W,WW-1/20-20 **Inward Date** 02.04.2025 **Reference Inv. No.** NA		**Analysis Start** 02.04.2025 **Analysis End** 23.04.2025
Sample Description Drinking Water	**Sample Details As Provided By Client** Sampling Code: DW-1	**Purpose Of Analysis** Drinking	**Quantity Received** 2 Ltr + 250ml
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 28.03.2025 **Sampling Time:** 01.00 pm	**Sampling Location** Outlet of RO Plant	
Tests Required : Faecal Coliforms, Dissolved Oxygen, Cobalt (as Co), Oil & grease, Total kjeldahl Nitrogen (as N), Total Phosphate, Total Suspended Solids, Potassium, Electrical Conductivity			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline : Biological** **Group : Water**			
1	Faecal Coliforms	MPN/100ml	IS 1622	BLQ(LOQ-2)
II	**Discipline: Chemical** **Group: Water**			
2	Dissolved Oxygen	mg/l	APHA method 23rd edition: 2017	5.8
3	Cobalt (as Co)	mg/l	ICP-OES	BLQ(LOQ-0.02)
4	Oil & grease	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-4)
5	Total kjeldahl Nitrogen (as N)	mg/l	APHA method 23rd edition: 2017	13.07
6	Total Phosphate	mg/l	ICP-OES	BLQ(LOQ-0.5)
7	Total Suspended Solids	mg/l	APHA method 23rd edition: 2017	BLQ(LOQ-10)
8	Potassium	mg/l	APHA method 23rd edition: 2017	2.29
9	Electrical Conductivity	µs/cm	APHA method 23rd edition: 2017	384

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwani
Sr.Technical Assistant

Authorized Signatories

Dr. Anupa Tankhiwale
Sr. Technical Manager

Chinmay Garwey
Deputy Quality Manager

---------END OF REPORT---------

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TC-12998

Test Report

ULR No.-TC129982500002085F
Test Report No.: ALPL/24042025/4-1A Dated 24.04.2025 Page 1 of 1

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-21	**Analysis Start** 02.04.2025
	Inward Date	02.04.2025	**Analysis End** 24.04.2025
	Reference	NA	
	Inv. No.	-	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Waste Water	Sampling Code: WW-1	Quality Check	2 Ltr

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 26.03.2025 **Sampling Time:** 12.30 am	ETP Inlet

Tests required : Biochemical oxygen demand (3 days at 27°C),Chemical Oxygen Demand(COD),Oil & Grease, pH value, Sulphate (as SO4), Total dissolved solids(TDS), Total Suspended Solids .

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline: Chemical** **Group: Pollution & Environment**			
1	Biochemical oxygen demand (3 days at 27°C)	mg/l	IS 3025 (Part 44):2023	24
2	Chemical Oxygen Demand(COD)	mg/l	IS-3025(Part-58)	273.2
3	Oil & Grease	mg/l	IS 3025 (P-39)	BLQ(LOQ-4)
4	pH value	-	IS 3025 :(Part 11)	7.62
5	Sulphates (as SO4)	mg/l	IS 3025 (Part 24/Sec 1) Clause : 5	185.46
6	Total dissolved solids (TDS)	mg/l	IS 3025 :(Part 16)	3956
7	Total Suspended Solids	mg/l	IS 3025 :(Part 17)	184

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REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Authorized Signatory

✓ Chinmay Garway
Deputy Quality Manager

---------END OF REPORT---------

Original Test Report

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Test Report

Test Report No.: ALPL/24042025/4-1B Dated 24.04.2025 Page 1 of 1

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/ENV.W.WW-1/20-21 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Waste Water	Sampling Code: WW-1	Quality Check	2 Ltr

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method: ANId/7.2/MON-01	**Sampling Date:** 26.03.2025 **Sampling Time:** 12:30 am	ETP Inlet

Tests required Chloride (as Cl)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline: Chemical** **Group: Pollution & Environment**			
1	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	242.26

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REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Snehal Raut
Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---------END OF REPORT---------

ORIGINAL TEST REPORT

Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002085F
Test Report No.: ALPL/24042025/4-2A

Dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The Katol,Nagpur,441103. **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.**	ALPL/020425/ENV,W,WW-1/20-22	**Analysis Start** 02.04.2025
	Inward Date	02.04.2025	**Analysis End** 24.04.2025
	Reference	NA	
	Inv. No.	-	

Sample Description	Sample Details As Provided By Client	Purpose Of Analysis	Quantity Received
Waste Water	Sampling Code: WW-2	Quality Check	2 Ltr

Sampling By		Sampling Location
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 26.03.2025 **Sampling Time:** 12.45 am	ETP Outlet

Tests required : Biochemical oxygen demand (3 days at 27°C),Chemical Oxygen Demand(COD),Oil & Grease, pH value, Sulphate (as SO4), Total dissolved solids(TDS), Total Suspended Solids .

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Specifications as per MPCB Consent (Provided by client)	Test Result
I	Discipline: Chemical Group: Pollution & Environment				
1	Biochemical oxygen demand (3 days at 27°C)	mg/l	IS 3025 (Part 44):2023	Not to be exceed 30	12
2	Chemical oxygen demand (COD)	mg/l	IS 3025 (Part 58)	Not to be exceed 250	120.21
3	Oil & Grease	mg/l	IS 3025 (P-39)	Not to be exceed 10	BLQ(LOQ- 4)
4	pH value	-	IS 3025 (Part 11)	6.0 to 8.5	8.32
5	Total dissolved solids(TDS)	mg/l	IS 3025 (Part 16)	Not to be exceed 2100	1052
6	Total Suspended Solids	mg/l	IS 3025 (Part 17)	Not to be exceed 100	BLQ(LOQ- 10)
7	Sulphate (as SO4)	mg/l	IS 3025 (Part 24/Sec 1) Clause : 5	-	172.22

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REMARKS: As requested by the client, the sample was tested for the above parameters only. **Sample bearing the details mentioned as above is complying with MPCB consent for the tested parameters.**

Verified By

Snehal Raut
Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---------END OF REPORT---------

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Test Report

Test Report No.: ALPL/24042025/4-2B — Dated 24.04.2025 —

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595879900	**Sample Inward No.**	ALPL/020425/ENV.W.WW-1/20-22	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025
	Inward Date	02.04.2025	
	Reference Inv. No.	NA -	

Sample Description Waste Water	**Sample Details As Provided By Client** Sampling Code: WW-2	**Purpose Of Analysis** Quality Check	**Quantity Received** 2 Ltr
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 26.03.2025 **Sampling Time:** 12.45 am	**Sampling Location** ETP Outlet	
Tests required : Chloride (as Cl)			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Discipline: Chemical** **Group: Pollution & Environment**			
1	Chloride (as Cl)	mg/l	IS 3025 (Part 32) Clause 2	109.26

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● mg/l is equivalent to ppm. ● **BLQ- Below Limit of Quantification** ● **LOQ- Limit Of Quantification.**

REMARKS: As requested by the client, sample was tested for above parameters only.

Verified By

Shefali Raut
Technical Manager

Authorized Signatory

Chinmay Ganway
Deputy Quality Manager

----------END OF REPORT----------

ORIGINAL TEST REPORT

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Anacon Laboratories

TC-12998

Test Report

ULR No.-TC129982500002061F
Report No: ALPL/12042025/1-11A Dated: 12/04/2025 Page 1 of 1

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		**Work Order No.** KEL.PO.GSMPO2324.1078-24.11.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_X: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/020425/ENV-1/20-11	**Date of Sampling**	24/03/2025
Date of Receipt of Sample	02/04/2025	**Time of Sampling**	02:50 pm
Date of Start of Analysis	03/04/2025	**Date of Completion of Analysis**	07/04/2025
Sampling Method	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	Boiler	—
Stack height above ground level	30	Meter
Stack diameter	0.72	Meter
Stack shape at top	Round	—
Flue gas temperature	114	°C
Flue gas velocity	10.31	m/s
Total gas quantity at STP	15114.54	m^3/h
Total gas quantity at NTP	11485.45	Nm^3/h

Sr. No.	Parameter	Unit	Result	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Stack Emission Monitoring	
1.	Particulate Matter	mg/Nm^3	48.2	IS 11255 Part 1
2.	Sulphur dioxide	mg/Nm^3	157.3	IS 11255 Part 2
3.	Oxides of Nitrogen	mg/Nm^3	135.8	IS 11255 Part 7

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Environmental condition – Satisfactory.

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garway
Deputy Quality Manager

----End of Report----

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Anacon Laboratories

Test Report

Report No: ALPL/12042025/1-11B ~~Dated: 12/04/2025~~

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		**Work Order No.**
			KEL.PO.GSMPO2324.1078-24.11.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_x: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/020425/ENV-1/20-11	**Date of Sampling**	24/03/2025
Date of Receipt of Sample	02/04/2025	**Time of Sampling**	02.50 pm
Date of Start of Analysis	03/04/2025	**Date of Completion of Analysis**	07/04/2025
Sampling Method	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	Boiler	---
Stack height above ground level	30	Meter
Stack diameter	0.72	Meter
Stack shape at top	Round	---
Flue gas temperature	114	°C
Flue gas velocity	10.31	m/s
Total gas quantity at STP	15114.54	m^3/h
Total gas quantity at NTP	11485.45	Nm^3/h

Sr. No.	Parameter	Unit	Result	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution **Material or Product tested :** Stack Emission Monitoring			
1	Carbon Monoxide (CO)	ppm	275	Gas analyser

NOTES: ● Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Environmental condition – Satisfactory

Verified by

Snehal Raut
Technical Manager

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

---End of Report---

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Anacon Laboratories

Test Report

Report No: ALPL/02012025/1-13 **Dated:** 02/01/2025

Issued to	**M/s Koltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist.-Nagpur (M.S)-441 103.		**Work Order No.**
			KEL.PO.GSMPO2324.1078-24.09.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**DG-2** **(500 kVA)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_x: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/020425/ENV-1/20-13	**Date of Sampling**	26/03/2025
Date of Receipt of Sample	02/04/2025	**Time of Sampling**	02:50 pm
Date of Start of Analysis	03/04/2025	**Date of Completion of Analysis**	07/04/2025
Sampling Procedure	ANlt/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	DG-2	500kVA
Stack attached to	DG	---
Material of construction	MS	---
Stack diameter	0.203	Meter
Type of Fuel	HSD	---
Flue gas temperature	158	°C
Flue gas velocity	14.31	m/s
Total gas quantity	1668.28	m^3/h
Total gas quantity at NTP	1130.71	Nm^3/h

Sr. No.	Parameter	Unit	Result	*Limits	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution		**Material or Product tested :** Stack Emission Monitoring		
1.	Particulate Matter	gm/kw-h	0.22	≤ 0.2	IS 11255 Part 1
2.	Sulphur dioxide	gm/kw-h	0.05	--	IS 11255 Part 2
3.	Oxides of Nitrogen	gm/kw-h	1.234	≤ 4.0	IS 11255 Part 7
4.	Hydrocarbon (HC)	gm/kw-h	1.486		Gas Analyser

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Environmental condition – Satisfactory. • Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garwa
Deputy Quality Manager

----*End of Report*----

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Anacon Laboratories

Test Report

pReport No: ALPL/12042025/1-12 Date:- 12/04/2025

Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103		**Work Order No.** KEL.PO.GSMPO2324.1078-24.09.2023
Sample Description/Type	Stack Emission	**Sampled by**	Anacon Representative Mr. Kailash Chahande
Sampling Location	**DG-1** **(200 kVA)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_2: 25 mL X 1 No. PVC Bottle
Inward Number	ALPL/020425/ENV-1/20-12	**Date of Sampling**	26/03/2025
Date of Receipt of Sample	02/04/2025	**Time of Sampling**	02:50 pm
Date of Start of Analysis	03/04/2025	**Date of Completion of Analysis**	07/04/2025
Sampling Procedure	ANtd/7.2/Mon-01		

TECHNICAL DATA		
Stack Identity	DG-1	200 kVA
Stack attached to	DG	---
Material of construction	MS	---
Stack diameter	0.203	Meter
Type of Fuel	HSD	---
Flue gas temperature	105	°C
Flue gas velocity	11.26	m/s
Total gas quantity	1312.41	m^3/h
Total gas quantity at NTP	1014.23	Nm^3/h

Sr. No.	Parameter	Unit	Result	*Limits	Test Method
I	**Discipline:** Chemical **Group:** Atmospheric Pollution **Material or Product tested :** Stack Emission Monitoring				
1.	Particulate Matter	gm/kw-h	0.069	≤ 0.2	IS 11255 Part 1
2.	Sulphur dioxide	gm/kw-h	0.06	--	IS 11255 Part 2
3.	Oxides of Nitrogen	gm/kw-h	1.323	≤ 4.0	IS 11255 Part 7
4.	Hydrocarbon (HC)	gm/kw-h	1.524		Gas Analyser

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Environmental condition – Satisfactory. ● Statement of conformity issued on the basis of decision rule as per quality procedure (QP/7.8/05).

Verified by
Snehal Raut
Technical Manager

Authorized Signatory
Chinmay Garwey
Deputy Quality Manager

---End of Report---

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Anacon Laboratories

Test Report

Test Report No: ALPL/24042025/11-1 **dated** 24.04.2025

Issued To ; **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-1 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025
Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-1	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 10.52 am	**Sampling Location** Ringnabodi Village
Tests Required : Bulk density, Water holding capacity, Infiltration rate, Particle size distribution – Sand, Silt, Clay, Texture, pH (5% Aq. Extract) at 25°C, Electrical Conductivity (5% Aq. Extract), Calcium (as Ca), Magnesium (as Mg), Sodium (as Na), Potassium (as K), Chloride (as Cl), Sulphate (as SO_4).		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	1.10
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.7
4	Infiltration rate	mm/hr	ASTMD 3385	5.88
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	20
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	32
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	48
6	Texture	-	Lab SOP	Sandy Clay
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.56
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	128.06
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	195.94
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	551.42
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	312.16
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	432.06
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	342.42
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	532.06

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwarj
Sr. Technical Assistant

Authorized Signatory

Chinmay Gawray
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-1 **dated** 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-1 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-1	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 10.52 am	**Sampling Location** Ringnabodi Village

Tests Required : Exchangeable Calcium (as Ca), Exchangeable Magnesium (as Mg), Exchangeable Sodium (as Na), Exchangeable Potassium (as K), CEC , Available Nitrogen (as N), Available Phosphorous (as P), Available Potassium (as K), Total Organic Matter, Total Organic Carbon

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.03
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	12.65
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	339.22
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	256.49
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.2
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	432.11
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BQL(LCQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	256.49
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.72
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.42

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Authorized Signatory

Chirmay Garwa
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-1 **dated** 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-1 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description	**Sample Details As Provided By Client**	**Quantity Received**
Soil	Sampling Code: S-1	2 kg

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 10.52 am	**Sampling Location** Ringnabodi Village

Tests Required : Arsenic (As), Boron (B), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), Cobalt (Co), Iron (Fe), Manganese (Mn), Zinc (Zn), Selenium (Se).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	55.83
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.92
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	64.06
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	103.31
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.93
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.22
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	47021.78
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	710.49
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	51.10
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Dhanashree Hiwanj
Sr Technical Assistant

-----End of Report-----

Authorized Signatory

Chinmay Garwal
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-2 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur.441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-2 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description	**Sample Details As Provided By Client**	**Quantity Received**
Soil	Sampling Code: S-2	2 kg

Sampling By		**Sampling Location**
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.33 pm	Kallabori

Tests Required : Bulk density, Water holding capacity, Infiltration rate, Particle size distribution – Sand, Silt, Clay, Texture, pH (5% Aq. Extract) at 25°C, Electrical Conductivity (5% Aq. Extract), Calcium (as Ca), Magnesium (as Mg), Sodium (as Na), Potassium (as K), Chloride (as Cl), Sulphate (as SO_4)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	1.15
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.1
4	Infiltration rate	mm/hr	ASTMD 3385	6.31
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	22
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	33
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	45
6	Texture	-	Lab SOP	Sandy Clay
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.41
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	132.01
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	151.47
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	515.21
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	138.51
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	415.72
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	442.88
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	528.26

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-2 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1, 149/2,Post Dudhala,Garamsur The .Katol,Nagpur.441103 **Kind Attetion :** Dr. Atul P.Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-2 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-2	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.33 pm	**Sampling Location** Kallabori

Tests Required : Exchangeable Calcium (as Ca), Exchangeable Magnesium (as Mg), Exchangeable Sodium (as Na), Exchangeable Potassium (as K), CEC , Available Nitrogen (as N), Available Phosphorous (as P), Available Potassium (as K), Total Organic Matter, Total Organic Carbon.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.3
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.01
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	138.51
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	415.72
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	187.7
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	548.31
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BLQ(LOQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	415.72
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.85
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.49

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Verified By

Snehal Raut
Technical Manager

Authorized Signatory

Chinmay Garwaj
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-2 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-2 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-2	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.33 pm	**Sampling Location** Kallabori

Tests Required : Arsenic (As), Boron (B), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), Cobalt (Co), Iron (Fe), Manganese (Mn), Zinc (Zn), Selenium (Se).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	65.01
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.98
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	63.09
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	111.39
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.11
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	44.39
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11.99
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	25203.26
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	716.48
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	45.91
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Dhanashree Hiwanj
Sr.Technical Assistant

-----End of Report-----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-3 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-3 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-3	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.10 pm	**Sampling Location** Project Site

Tests Required : Bulk density, Water holding capacity, Infiltration rate, Particle size distribution – Sand, Silt, Clay, Texture, pH (5% Aq. Extract) at 25°C, Electrical Conductivity (5% Aq. Extract), Calcium (as Ca), Magnesium (as Mg), Sodium (as Na), Potassium (as K), Chloride (as Cl), Sulphate (as SO_4)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	1.20
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.7
4	Infiltration rate	mm/hr	ASTMD 3385	8.41
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	24
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	35
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	41
6	Texture	-	Lab SOP	Sandy Slit Clay
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.52
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	102.6
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.25
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	319.74
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	332.01
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	136.29
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	342.05
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	528.19

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-3 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-3 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-3	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.10 pm	**Sampling Location** Project Site

Tests Required : Exchangeable Calcium (as Ca), Exchangeable Magnesium (as Mg), Exchangeable Sodium (as Na), Exchangeable Potaesium (as K), CEC , Available Nitrogen (as N), Available Phosphorous (as P), Available Potassium (as K), Total Organic Matter, Total Organic Carbon

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.02
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.2
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	314.08
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	141.09
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	200.6
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	357.13
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BLQ(LOQ-2)
23	Availsble Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	141.09
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.91
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.52

Please refer last Page for Note and Remarks.

Verified By

Snehal Raul
Technical Manager

Authorized Signatory

Chinmay Garwal
Deputy Quality Manager

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Anacon Laboratories Pvt. Ltd. Nagpur Lab
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MIDC Butibori, Nagpur, Maharashtra, India- 441122
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https://www.anaconlaboratories.com

Anacon Laboratories

Test Report

Test Report No: ALPL/24042025/11-3 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-3 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description	Sample Details As Provided By Client	Quantity Received
Soil	Sampling Code: S-3	2 kg

Sampling By		
Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 12.10 pm	**Sampling Location** Project Site

Tests Required : Arsenic (As), Boron (B), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), Cobalt (Co), Iron (Fe), Manganese (Mn), Zinc (Zn), Selenium (Se)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	Chemical Testing			
E	Heavy Metals in Acid Extract			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	65.02
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.97
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	63.21
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	111.12
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.99
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	45.39
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	12.01
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	66534.42
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	717.39
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	44.31
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Dhanashree Hiwarj
Sr.Technical Assistant

-----End of Report-----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-4 **dated** 24.04.2025

Issued To : **M/s Kelltech Energies Ltd.** 149/1,149/2,Post Duchala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-4 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-4	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANid/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 1.30 pm	**Sampling Location** Chakdoh

Tests Required : Bulk density, Water holding capacity, Infiltration rate, Particle size distribution – Sand, Silt, Clay, Texture, pH (5% Aq. Extract) at 25°C, Electrical Conductivity (5% Aq. Extract), Calcium (as Ca), Magnesium (as Mg), Sodium (as Na), Potassium (as K), Chloride (as Cl), Sulphate (as SO_4)

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
A	**Physical Parameters**			
1	Bulk density	g/cm3	IS 2720 (Part 29)	1.29
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.1
4	Infiltration rate	mm/hr	ASTMD 3385	9.32
5	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	23
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	34
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India	43
6	Texture	-	Lab SOP	Sandy Clay
B	**Chemical Characteristics (From Water Extract 1:5)**			
7	pH (5% Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.41
8	Electrical Conductivity (5% Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	122.8
9	Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	158.26
10	Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	450.98
11	Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	417.56
12	Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	606.24
13	Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	542.84
14	Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	327.06

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Dhanashree Hiwanj
Sr. Technical Assistant

Authorized Signatory

Chinmay Garwe
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-4 dated 24.04.2025

Issued To : **M/s Keltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P.Dwivedi **Contact No. :** 9595675900	**Sample Inward No.**	ALPL/020425/MON-4/ESoil-1/4-4	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025
	Inward Date	02.04.2025	
	Reference Inv. No.	NA -	

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-4	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 1.30 pm	**Sampling Location** Chakdoh

Tests Required : Exchangeable Calcium (as Ca), Exchangeable Magnesium (as Mg), Exchangeable Sodium (as Na), Exchangeable Potassium (as K), CEC , Available Nitrogen (as N), Available Phosphorous (as P), Available Potassium (as K), Total Organic Matter, Total Organic Carbon

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
C	**Exchangeable Cations**			
15	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.46
16	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.01
17	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	432.08
18	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	501.06
19	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	209.8
D	**Fertility Status**			
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	396.47
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	BLQ(LOQ-2)
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	501.06
24	Total Organic Matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.78
25	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.45

Please refer last Page for Note and Remarks.

Verified By

Snehal Raut
Technical Manager

Authorized Signatory

Chinmay Garwal
Deputy Quality Manager

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Test Report

Test Report No: ALPL/24042025/11-4 dated 24.04.2025

Issued To : **M/s Kaltech Energies Ltd.** 149/1,149/2,Post Dudhala,Garamsur The :Katol,Nagpur,441103 **Kind Attetion :** Dr. Atul P Dwivedi **Contact No. :** 9595875900	**Sample Inward No.** ALPL/020425/MON-4/ESoil-1/4-4 **Inward Date** 02.04.2025 **Reference** NA **Inv. No.** -	**Analysis Start** 02.04.2025 **Analysis End** 24.04.2025

Sample Description Soil	**Sample Details As Provided By Client** Sampling Code: S-4	**Quantity Received** 2 kg
Sampling By Anacon Representative: Mr.Kailash Chahande Sampling Method- ANtd/7.2/MON-01	**Sampling Date:** 25.03.2025 **Sampling Time:** 1.30 pm	**Sampling Location** Chakdeh

Tests Required : Arsenic (As), Boron (B), Cadmium (Cd), Chromium (Cr), Copper (Cu), Lead (Pb), Nickel (Ni), Cobalt (Co), Iron (Fe), Manganese (Mn), Zinc (Zn), Selenium (Se).

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing**			
E	**Heavy Metals in Acid Extract**			
26	Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.01
27	Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	
28	Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.12
29	Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.08
30	Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	140.19
31	Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.98
32	Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.49
33	Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.21
34	Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46416.39
35	Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	715.41
36	Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	259.83
37	Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Dharashree Hiwanj
Sr.Technical Assistant

-----End of Report-----

Authorized Signatory

Chinmay Garway
Deputy Quality Manager

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ANNEXURE III

ADVERTISEMENT OF EC

Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

Please find attachment of Advertisement in two local newspapers

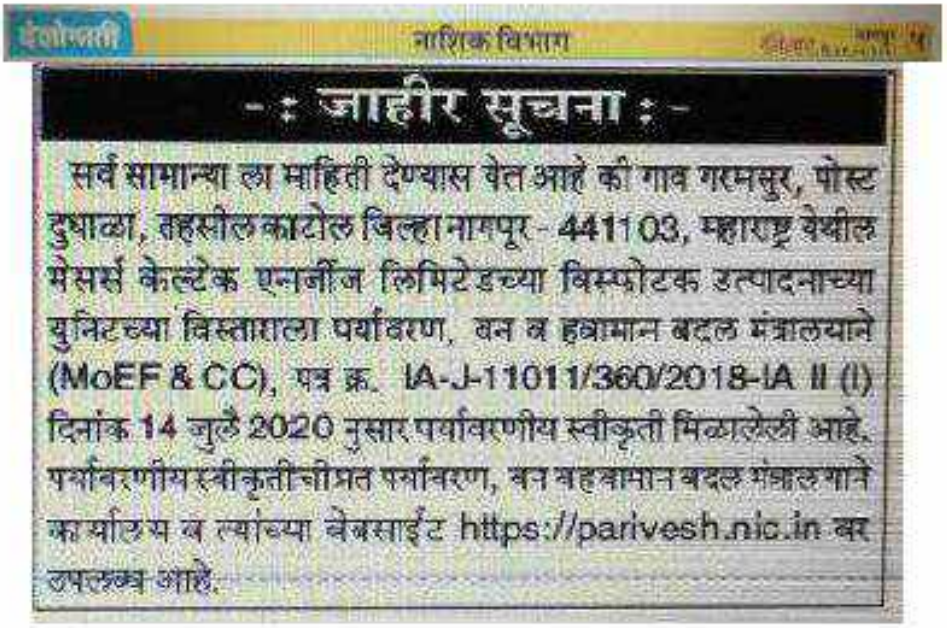
1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

नागपुर जिला / विदर्भ

3

जाहिर सूचना

सार्वजनिक हित से यह सूचित किया जाता है कि ग्राम गरमसुर, पोस्ट दुधाला,तहसील काटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC),के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.



नाशिक विभाग

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील काटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृती चीप्रत पर्यावरण, वन व हवामान बदल मंत्रालयाचे कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

ANNEXURE – IV

NOC OF GROUND WATER

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Keltech Energies Ltd.		
Project Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2,151/1, 165,, Vill Garamsur, Ta. Katol,, Dist. Nagpur Pin 441302		
Village:	Garamsur	Block:	Katol
District:	Nagpur	State:	Maharashtra
Pin Code:			
Communication Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2, 151/1, 165,, Villge, Garamsur Taluka Katol, Dist. Nagpur, Katol, Nagpur, Maharashtra - 441302		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1.	**NOC No.:**	CGWA/NOC/IND/REN/2/2022/7362			
2.	Application No.:	21-4/815/MH/IND/2017	3.	Category: (GWRE 2020)	Semi Critical
4.	Project Status:	Existing Ground Water	5.	NOC Type:	Renewal
6.	**Valid from:**	23/10/2022	7.	**Valid up to:**	22/10/2025

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
80.00	24000.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:3						**Total Proposed No.:0**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	3	0	0	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10. Ground Water Abstraction/Restoration Charges paid (Rs.): 24000.00

11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism		
			Manual	DWLR**	DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	1	0	1	0

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCE list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

ANNEXURE - V

प्राथमिक आरोग्य केंद्र कोंढाळी ता-काटोल जि-नागपूर	
Email-mophckondhali2020@gmail.com Contact-8208253971	दिनांक-१२/०२/२०२५
आरोग्य सेवा	

To,

Manager

(keltech Energies limited Garamsur)

Thank you so much for providing us essential equipment, instruments, and medicine it well help us to give better, faster and efficient services to our Patients.

The Received items are:-

Sr.No	Description	RECEIVED
1	P astic Chair	10
2	Do.ble Door Freeze	2
3	Ceiling Fan	10
4	Small cooler (2feet)	3
5	Dig tal BP Apparatus	5
6	Manual BP Apparatus	5
7	Stethoscope	5
8	Record & medicine steel Rack	5
9	Revolving Stool	2
10	Foetal Doppler	2
11	Digital HB meter with strips	2
12	Sahalis meter with 5 Tubes	1
13	Weighing Machine	4
14	VDRL kit	1000
15	Blood Group kit	1000
16	Ambu Bag	5
17	Bed Mattress	10
18	Air Bubble Mattress	3
19	Washing machine	2
20	WAITING TABLE	2

वैद्यकीय अधिकारी
प्र.आ.केंद्र, कोंढाळी
ता. काटोल, जि. नागपूर

Thank you.

SAMSUNG
LG

SAMSUNG
REFRIGERATOR
LG

Nutritional food donated to TB patients under “Pradhan Mantri TB Mukt Bharat Abhiyaan” same will be donated every month till March 2026

Certificate from Ministry of Health and Family Welfare, Government Of India for participating in “Pradhan Mantri TB Mukt Bharat Abhiyaan”

KEL

Ministry of Health and Family Welfare,
Government of India

Acknowledges that Mr. / Ms / Dr / M/s KELTECH ENERGIES LIMITED with an id 925182906 has registered as a Ni-Kshay Mitra under the ‘Pradhan Mantri TB Mukt Bharat Abhiyaan’ to provide support to Persons with TB undergoing treatment.

Your valuable support will help the country in eliminating TB from India.

ni-kshay 2.0

TB HAREGA DESH JEETEGA

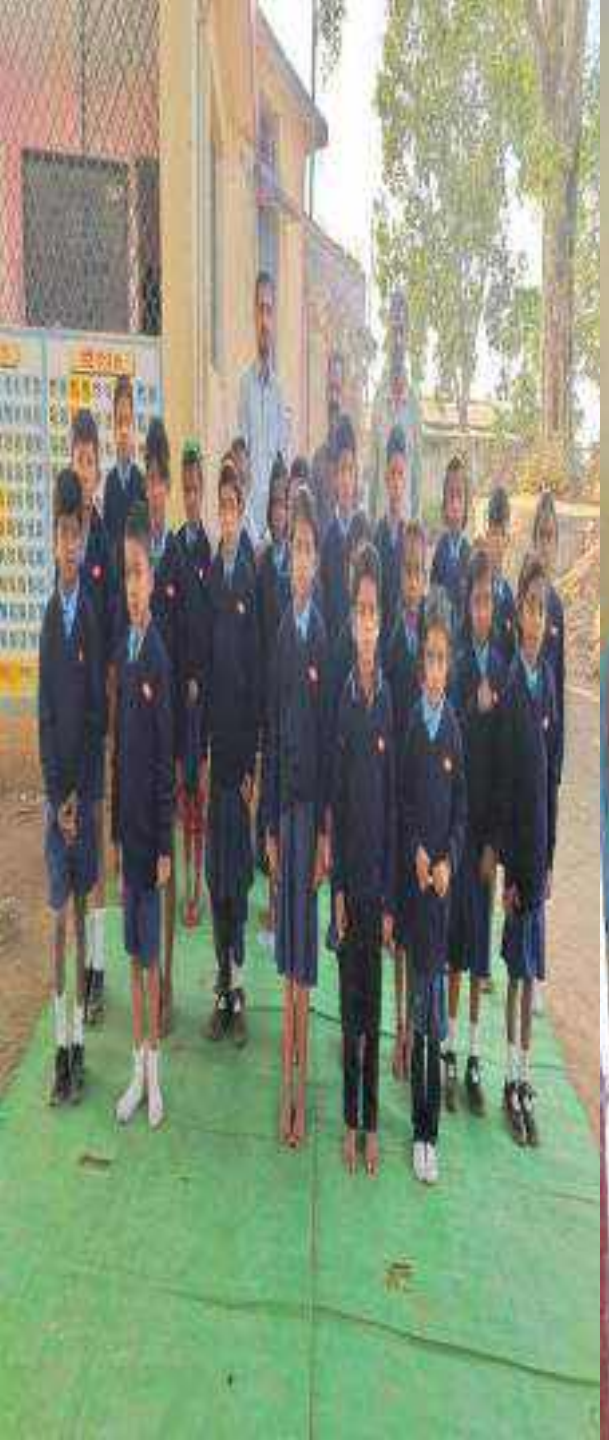
Deputy Director General-TB

Medical Equipments, Computer and administrative items donated to Primary Health Centre, Kondhali

KEL

Computer and Administrative equipments Donated to Jilha Parishad Primary School, Mahurkhura

Computer & Printer Donated to Garamsur Gram Panchayat



KELTECH ENERGIES

Computer, UPS, Printer and Chair’s donated to Jilha Parishad Primary School, Mahurkhura

Mobile Toilet’s, Chair’s, Table’s, Water Cooler, Printer and Satranji donated to Jilha Parishad Primary School, Garamsur.

KEL

Fan's, Cooler's, Water Cooler and Music System Donated to Ganeshpur Gram Panchayat

जि.प.प्राथमिक शाला गरमसूर

KELTECH ENERGIES LIMITED

Date: 1st June, 2023

To

The Director,
Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001

Sub: Submission of half-yearly compliance status report of Environmental Clearance conditions for the period **"October *2022 to March 2023*"** in respect of **M/s. Keltech Energies Limited, Nagpur**

Ref: EC Letter No. F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020

Dear Sir,

We are submitting herewith Six Monthly Compliance Report in respect of the stipulated Environmental Clearance conditions (soft copy) for the above mentioned period for **"Expansion of explosive product manufacturing unit** of M/s. Keltech Energies Limited at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur-441103" for your perusal and record.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental management practices.

Thanking you.

Yours faithfully,
For M/s. Keltech Energies Ltd.

(Dr. Atul P. Dwivedi)
Head (R&D)

Encl: As above

Copy to:

1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003
2. MPCB, Udyog Bhavan, Civil Lines, Nagpur-440001

Vill: Garamsur, P.O. Dudhala-441103Teh: Katol, Dist, Nagpur, Maharashtra, INDIA. CIN : L30007KA1977PLC031660
Ph : 07122809200, 2809204 Fax : 0722809207 e-mail : grm@keltechenergies.com Web : www.keltechenerigies.com
Regd. Office : 7th Floor, Embassy Icon, No.3, Infantry Road, Bengaluru - 560 001, INDIA Tel : +91-80-22251451 email: info@keltechenergies.com

EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(October 2022 – March 2023)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

Environmental Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

June – 2023

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INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala , Tehsil Katol under District Nagpur By M/s. Keltech Energies Limited of an areas of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, The entire effluent treated in ETP with capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.	There are only two sources of fugitive emissions-nitration and granulation. At both these

Sr. No.	EC Conditions	Compliance
		places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). Due to second wave of COVID-19 the project implementation has been delayed and phase-1 is completed in Mar-2022. The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents is reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures as per PESO guidelines
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent condensers with chilled brine circulation.

Sr. No.	EC Conditions	Compliance
x.	Total Fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/ CGWA	Agreed. CGWB NOC attached **Annexure IV**.
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places.(store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by-product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area,	Yes, condition being complied.

Sr. No.	EC Conditions	Compliance
	mainly along the plant periphery, in downward wind direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department.	
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed. Total expenditure as per CER budget so far Rs. 46,71,974/-, details attached as **Annexure-V.**
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed. Installed CMS system for ETP water and Stack and is connected with CPCB and MPCB server.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have prepared conservation plan and wildlife management plan and submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	Change. In case of Deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I and II.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular	Yes, being complied. Training is imparted to all employees on safety and health aspects of chemical

Sr. No.	EC Conditions	Compliance
	basis. Training to all employees on handling of chemicals shall be imparted.	handling.
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six month compliance report and EC to be published on the company website.	Yes agreed. This being the 3rd six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and

Sr. No.	EC Conditions	Compliance
		MPCB.
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure III.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity which will commence from Dec 2020 and expected completion Jan/ Feb 2022 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103 and Maharashtra. The project site lies at the Latitude: $21^0$09'16.40" N, and Longitude: $78^0$44'18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out.The site is located at The proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I & II.**

TABLE 2: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

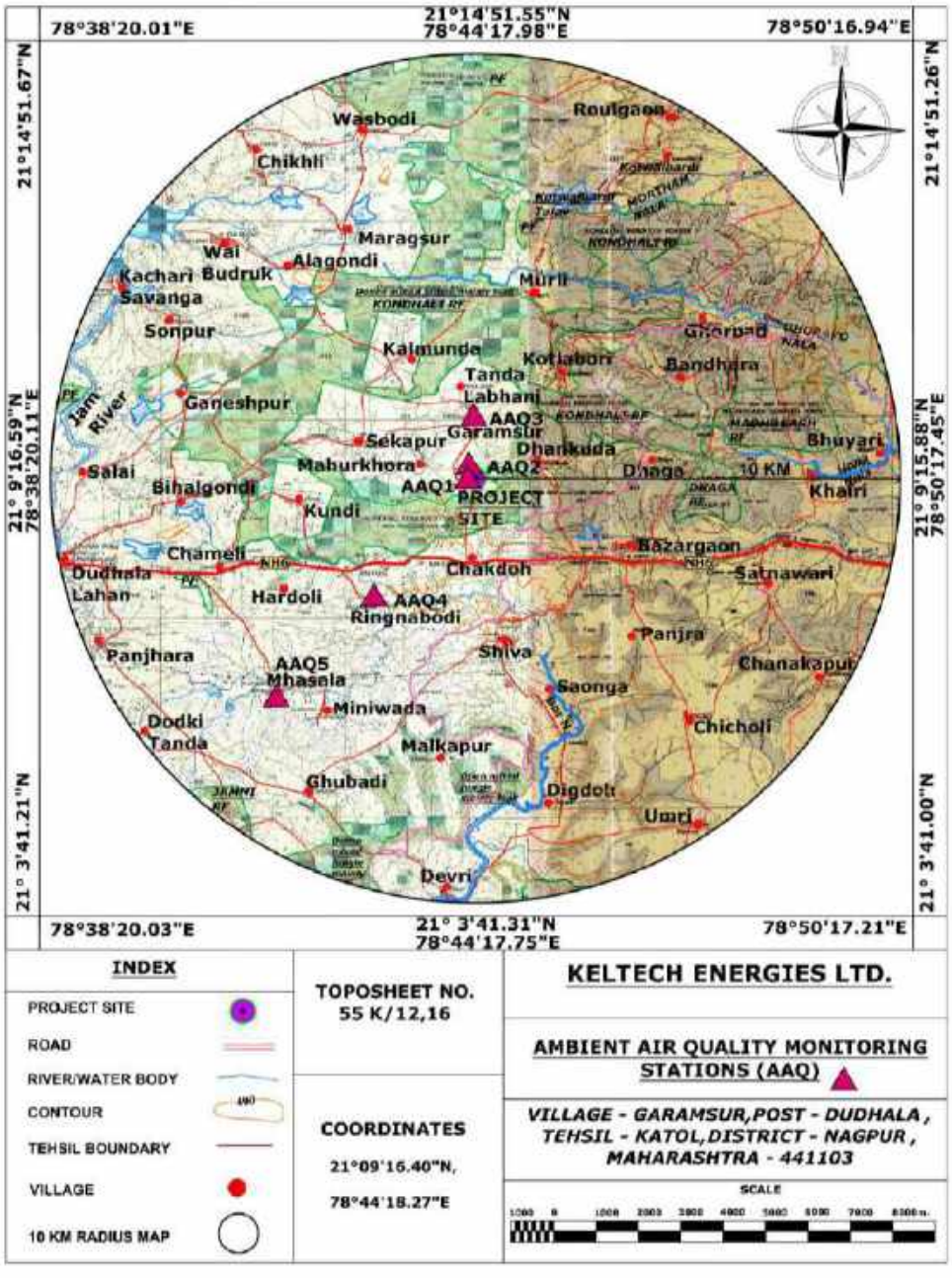

FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

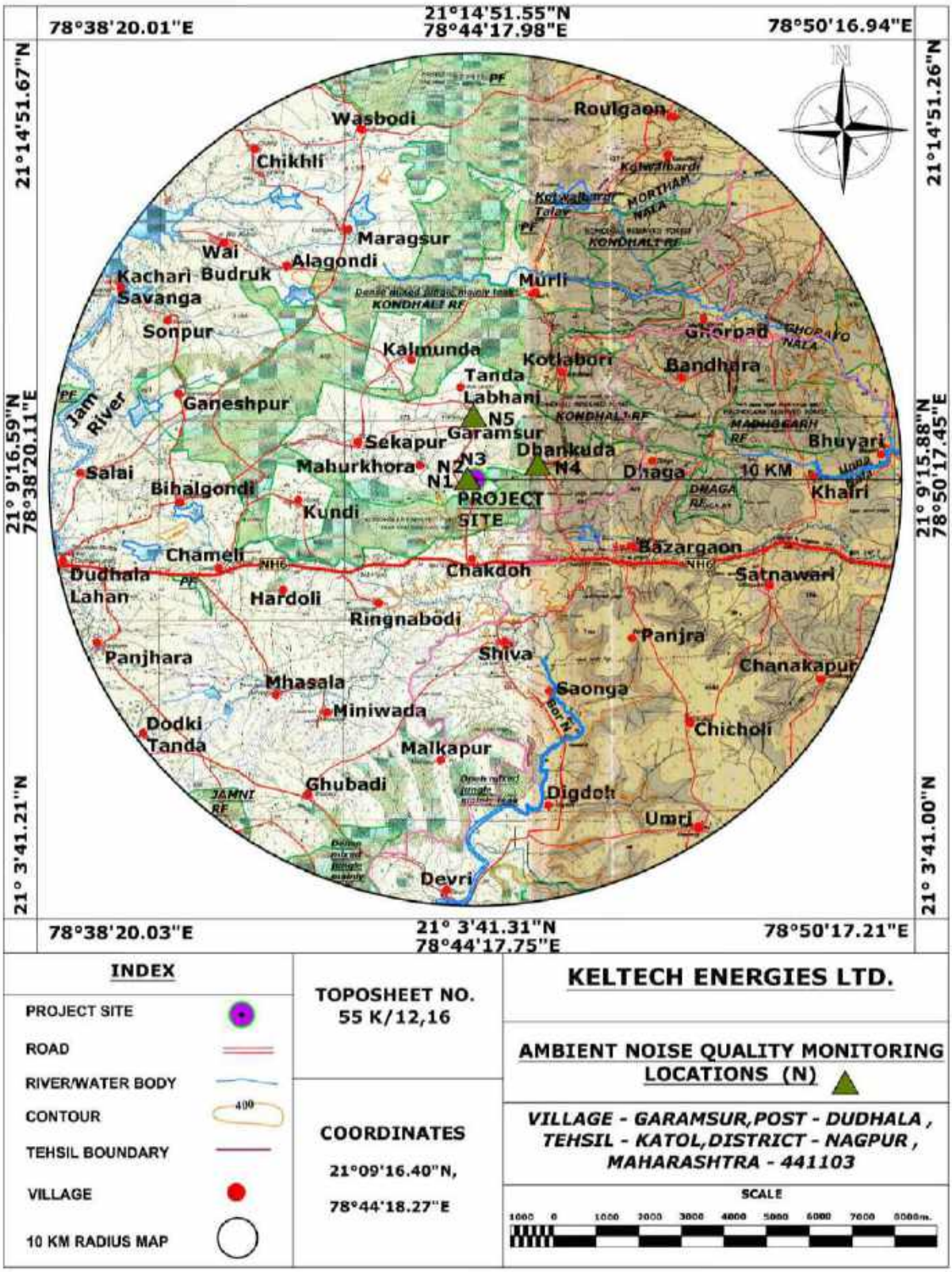

FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	12 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for Leq_{day} and Leq_{night}. The results are attached **Annexure I & II.**

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Surface and Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure I & II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

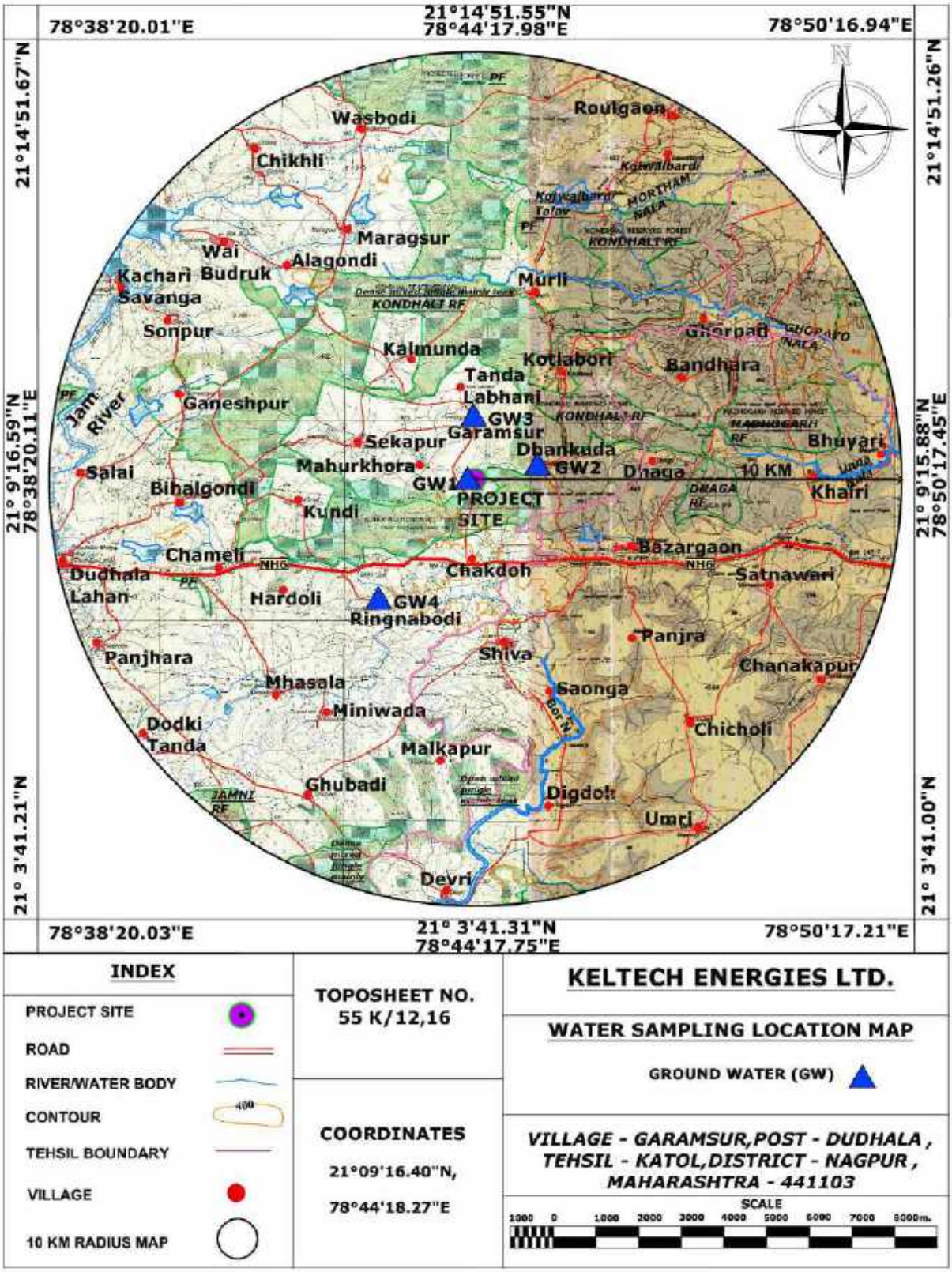

FIGURE 3: GROUND WATER SAMPLING LOCATIONS

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on the differences in the genetic and environmental factors. Thus some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various landuse conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure I & II.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

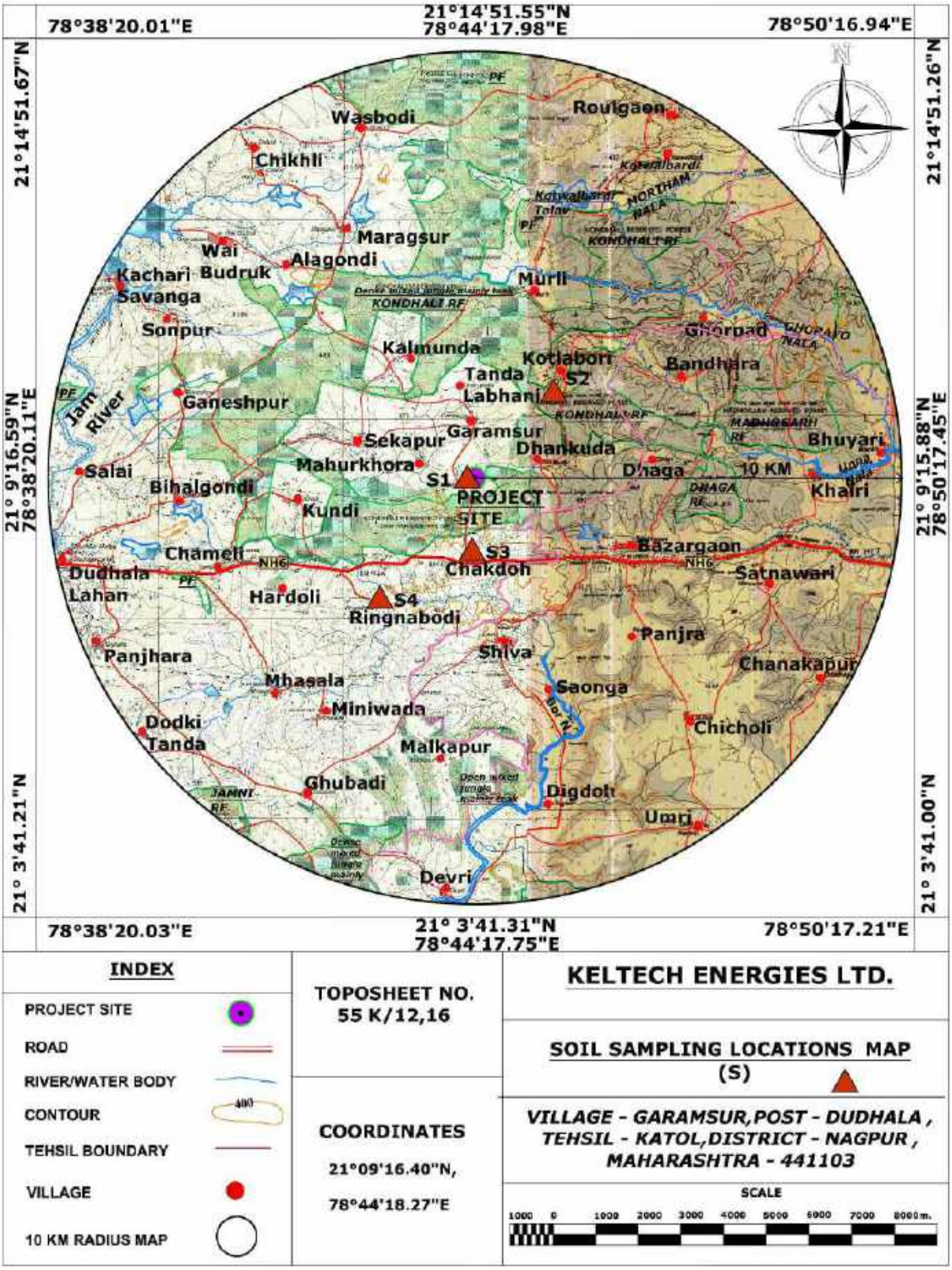

FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

SITE PHOTOGRAPHS

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<td><u>Green Belt</u></td>
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CER ACTIVITY PHOTOGRAPHS

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<td>

Grampanchyat Garamsur Compound Wall</td>
<td>
LED Street Light</td>
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Labour Room at PHC Garamsur

ग्राम पंचायत गरमसुर

पंचायत समिती काटोल , जिल्हा परिषद नागपूर

श्री मोतीराम ज. राठोड
* उपसरपंच *

श्री राहुल दे. काळेले
* सचिव *

प्रमाणपत्र

दिनांक 30/04/2023.

ग्रा.प. गरमसुर यांचे प्रमाणपत्र देण्यात येते कि, प्राथमिक आरोग्य उपकेंद्र गरमसुर येथे केलटेक कंपनी यांचे मार्फत नवीन बांधकाम पूर्ण (डिलिवरी करण्यात आले आहे. तरी ग्रा.प. गरमसुर तर्फे केलटेक कंपनी यांचे आभार व्यक्त करण्यात येत आहे. व तसेच प्रमाणपत्र देण्यात येत आहे.

सरपंच
ग्राम पंचायत गरमसुर
त.काटोल,जि.प.नागपूर

सचिव
ग्राम पंचायत गरमसुर
त.काटोल जि.प.नागपूर

Monitoring Photographs

ANNEXURE – I

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (October 2022 to December 2022)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

January – 2023

Anacon Laboratories Pvt. Ltd.

Anacon Laboratories Pvt. Ltd. Nagpur Lab
FP-34, 35, Food Park, Five Star Industrial Estate,
MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

Test Report

Ambient Air Quality Analysis Report-December-2022

Report Code: ALPL/10012023/1-1 **Issue Date:** 10/01/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/30122022/ENV-224-AAQ-1
Sample Description	: Ambient Air
Sample Drawn On	: 26/12/2022 to 27/12/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 30/12/2022
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 30/12/2022 to 31/12/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
ESE	3.2 m/sec	17	32	21	48
		17-32		21-48	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	63.7	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	31.8	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	12.4	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	27.1	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.429	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	0.14	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	9.6	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume I	11.8	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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in order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in

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MIDC Butibori, Nagpur, Maharashtra, India - 441 122
+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

Test Report

Ambient Air Quality Analysis Report-December-2022

Report Code: ALPL/10012023/1-2 **Issue Date:** 10/01/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/30122022/ENV-224-AAQ-2
Sample Description	: Ambient Air
Sample Drawn On	: 26/12/2022 to 27/12/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 30/12/2022
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 30/12/2022 to 31/12/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
ESE	3.2 m/sec	17	32	21	48
		17-32		21-48	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	56.1	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	27.4	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.3	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.267	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.4	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BDL- Below detection limit ● DL- indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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https: // www.anaconlaboratories.com

Test Report

Ambient Air Quality Analysis Report-December-2022

Report Code: ALPL/10012023/1-3 **Issue Date:** 10/01/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/30122022/ENV-224-AAQ-3
Sample Description	: Ambient Air
Sample Drawn On	: 27/12/2022 to 28/12/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 30/12/2022
Sampling Location	: **Garamsur**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 30/12/2022 to 31/12/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
ESE	3.2 m/sec	18	32	17	48
		23-28		17-48	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	47.2	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.9	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.4	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.3	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.191	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.3	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	8.7	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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Test Report

Ambient Air Quality Analysis Report-December-2022

Report Code: ALPL/10012023/1-4 **Issue Date:** 10/01/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/30122022/ENV-224-AAQ-4
Sample Description	: Ambient Air
Sample Drawn On	: 27/12/2022 to 28/12/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 30/12/2022
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 30/12/2022 to 31/12/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
ESE	3.2 m/sec	18	32	17	48
		23-28		17-48	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	52.6	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	18.3	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.1	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	17.6	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.201	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.2	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.4	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Ambient Air Quality Analysis Report-December-2022

Report Code: ALPL/10012023/1-5 **Issue Date:** 10/01/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/30122022/ENV-224-AAQ-5
Sample Description	: Ambient Air
Sample Drawn On	: 28/12/2022 to 29/12/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 30/12/2022
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 30/12/2022 to 31/12/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
ENE	3.4 m/sec	19	33	16	40
		19-33		16-40	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	54.9	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	21.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.4	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.209	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	8.1	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	11.6	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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Test Report

Noise Study Report

Report Code: ALPL/10012023/1-6
Inward Number: ALPL/30122022/ENV-N-224

Issue Date: 10/01/2023
Inward Date: 30/12/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	26/12/2022	IS 9989:1981 (R2001)	62.9	51.7
2.	Project Site-Slurry	26/12/2022		56.2	42.9
3.	Project Site-Spining	27/12/2022		51.7	39.6
4.	Dhankuda	27/12/2022		47.3	38.7
5.	Garamsur	28/12/2022		53.9	42.3
Range				**48.2-61.3**	**39.7-52.9**
CPCB Standards- dB(A)					
Industrial Area				**75**	**70**
Commercial Area				**65**	**55**
Residential Area				**55**	**45**
Silence Zone				**50**	**40**

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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Test Report

Stack Emission Report

Report No.: AN/SE/KEL/2022/1-7			**Date:** 10/01/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	29/12/2022	**Inward Number**	ALPL/30122022/ENV-224-S1
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	30/12/2022
Date of Start of Analysis	31/12/2022	**Date of Completion of Analysis**	01/01/2023

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	116	IS:11255 (Part 3)
Flue gas velocity	m/s	9.20	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	13478.93	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10325.76	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	43.9	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	194.2	IS 11255 (Part 2)
Oxide of Nitrogen (NOx)	mg/Nm^3	108.7	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	260	Gas analyser

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-8			**Date:** 10/01/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	30/12/2022	Inward Number	ALPL/30122022/ENV-224-2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	30/12/2022
Date of Start of Analysis	31/12/2022	Date of Completion of Analysis	01/01/2023

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	121	-	IS:11255 (Part 3)
Flue gas velocity	m/s	11.73	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1365.47		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1032.77		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.053	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.06	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.57	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	238		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by
Gajendrasinha Desai
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Dr. (Mrs.) S.D. Garway
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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-9			Date: 10/01/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	30/12/2022	Inward Number	ALPL/30122022/ENV-224-3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	30/12/2022
Date of Start of Analysis	31/12/2022	Date of Completion of Analysis	01/01/2023

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	162	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.31	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1899.47	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1301.25	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.14	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.007	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	gm/kw-h	0.184	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	310		Gas Analyser

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Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Test Report No. : ALPL/10012023/1-10 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-GW-1	**Analysis Start** 02/01/2023
	Inward Date	01/01/2023	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Time	Sampling Location
Anacon Representative Mr. Kailash Chahande	31/12/2022 / 3.10 pm	Project Site

Tests Required : Total coliform, Faecal coliform. pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.17 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	492.82
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	276
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	173.91
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	178.43
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	51.76
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.94
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.52
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	7.26
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	24.93
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.51
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	31.86
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	9.73
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Gajendrasinha Desai
(Technical Manager)

Authorized Signatories
Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Test Report No. : ALPL/10012023/1-10 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-GW-1	**Analysis Start** 02/01/2023
	Inward Date	01/01/2023	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Kailash Chahande	**Sampling Date** 31/12/2022 **Sampling Time** 3.10 pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues in Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-11 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-GW-2	**Analysis Start** 02/01/2023
	Inward Date	01/01/2023	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By		Sampling Location
Anacon Representative Mr. Kailash Chahande	**Sampling Date** 31/12/2022 **Sampling Time** 3.50 pm	Dhankura

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.16 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	471.68
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.2
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.3
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	264
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	168.29
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	184.52
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.62
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.29
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.17
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	7.62
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	18.24
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	6.92
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	16.31
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.17
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	8.39
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by

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(Technical Manager)

Authorized Signatories

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Test Report

Test Report No. : ALPL/10012023/1-11 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/30122022/ENV-224-GW-2 **Inward Date** 01/01/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 02/01/2023 **Analysis End** 06/01/2023 **Report Issue Date** 10/01/2023 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Time	Sampling Location
Anacon Representative Mr. Kailash Chahande	Sampling Date 31/12/2022 Sampling Time 3.50 pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025.(Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.09
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● MPN indicates most probable number. ● BDL- Indicates Below detection limit. ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'

REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Tande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/10012023/1-12 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-GW-3	**Analysis Start** 02/01/2023
	Inward Date	01/01/2023	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Kailash Chahande	**Sampling Date** 31/12/2022 **Sampling Time** 11.45 am	Garamsur

Tests Required : Total coliform, Faecal coliform. pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.98 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	372.91
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.1
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	209
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	158.29
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	171.36
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	48.37
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.28
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.92
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	6.57
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	12.68
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	9.36
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	18.47
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	5.94
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by

Gajendrasinha Desai
(Technical Manager)

Authorized Signatories

Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Test Report No. : ALPL/10012023/I-12 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-GW-3	**Analysis Start** 02/01/2023
	Inward Date	01/01/2023	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Kailash Chahande	**Sampling Date** 31/12/2022 **Sampling Time** 11.45 am	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.26
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005 (Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No.: ALPL/10012023/1-13 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-GW-4	**Analysis Start** 02/01/2023
	Inward Date	01/01/2023	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 31/12/2022 **Sampling Time** 11.45 am	Ringnabodi

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.98 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	329.76
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.2
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.3
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	185
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	172.91
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	185.42
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	51.76
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.64
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.53
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	7.92
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	13.81
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	6.52
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	18.76
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	6.94
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by

Gajendrasinha Desai
(Technical Manager)

Authorized Signatories

Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Test Report No. : ALPL/10012023/1-13 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/30122022/ENV-224-GW-4 **Inward Date** 01/01/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 02/01/2023 **Analysis End** 06/01/2023 **Report Issue Date** 10/01/2023 **Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Date** 31/12/2022 **Sampling Time** 11.45 am	**Sampling Location** Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.31
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-14 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/30122022/ENV-224-WW1 **Inward Date** 01/01/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 02/01/2023 **Analysis End** 06/01/2023 **Report Issue Date** 10/01/2023 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L
Sample Collected By		**Sampling Date : 31/12/2022**	**Sampling Location**
Anacon Representative Mr. Kailash Chahande		**Sampling Time :** 4.25 pm	ETP Inlet

Tests Required : pH , Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	Chemical Testing Pollution & Environment			
1	pH	-	IS 3025 (Part 11) : 2022	6.68 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	3192
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	64
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	104.73
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	71.94
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	-mg/l	IS 3025 (Part 58) : 2006	384
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	116

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by

Gajendrasinha Desai
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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Test Report

Test Report No. : ALPL/10012023/1-15 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/30122022/ENV-224-WW2 **Inward Date** 01/01/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022		**Analysis Start** 02/01/2023 **Analysis End** 06/01/2023 **Report Issue Date** 10/01/2023 **Sample Category** Water
Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Waste Water	Outlet Water	WW-2 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Date :** 31/12/2022 **Sampling Time :** 4.25 pm	**Sampling Location** ETP Outlet
Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 2022	7.21 at 25°C	**5.5 – 9.0**
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	638	**2100**
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	**100**
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	31.94	**1000**
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	13.68	**--**
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	**10**
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	42.57	**250**
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	12.36	**30**

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by

Gajendrasinha Desai
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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Test Report

Test Report No. : ALPL/10012023/1-16 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S1	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm	**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode	**Sampling Location** S1-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	18.74
2	Bulk density	g/cm3	Lab-SOP	1.603
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.76
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.54
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.29
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.17
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Silty Clay Loam
6	pH (1:2.5 Aq. Extract) at 25^{0}C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.73 at 25^{0}C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	341.76
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	582.29
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.72
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.54
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	58.29
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	424.91

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Verified By

for **Gajendrasingh Desai**
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S1	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.76
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	394.27
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	52.81
18	Sodium adsorption ratio	-	By Calculation	2.51
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.116
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.28
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	349.76
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	438.911
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6

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Verified By
Gajendrasinha Desai
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-16 , dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S1	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.236
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.81
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.517
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.94
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.821
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9.573
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.839
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/10012023/1-17 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S2	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.32
2	Bulk density	g/cm3	Lab-SOP	1.657
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.19
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.64
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.53
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.83
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.97 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	162.81
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	476.29
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	87.31
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.52
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	281.93
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	291.68
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.73

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Verified By

Gajendrasingh Desai
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S2	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	231.68
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	114.92
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	251.76
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46.31
18	Sodium adsorption ratio	-	By Calculation	12.94
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.53
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	118.76
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.54
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	312.21
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Gajendrasinha Desai
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S2	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.218
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	12.64
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.627
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.93
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.187
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.391
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.053
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-18 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S3	**Analysis Start** 31/12/2022
	Inward Date	31/12/2022	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil

Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Location** S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.62
2	Bulk density	g/cm3	Lab-SOP	1.576
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	24.52
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.98
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	27.43
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	40.59
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.73 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	268.31
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.93
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.52
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	312.76
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.93
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	204.76
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	162.81

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise • 'mg/kg' is equivalent to 'ppm'.

Verified By

Gajendrasingh Desai
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S3	**Analysis Start** 31/12/2022
	Inward Date	31/12/2022	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO???3 0851	**Report Issue date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil

Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Location** S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	139.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.76
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	212.81
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	57.39
18	Sodium adsorption ratio	-	By Calculation	18.26
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.64
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.18
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	147.29
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.56
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	257.19
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	12

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Verified By
Gajendrasinha Desai
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-18 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S3	**Analysis Start** 31/12/2022
	Inward Date	31/12/2022	**Analysis End** 06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 10/01/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil

Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Kailash Chahande		**Sampling Location** S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.353
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.43
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.592
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.72
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.817
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.294
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.903
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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Test Report

Test Report No. : ALPL/10012023/1-19 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S4	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	21.63
2	Bulk density	g/cm3	Lab-SOP	1.694
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.51
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.68
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.29
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.03
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.93 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	276.19
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	432.58
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.76
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.52
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	276.39
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.97

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Verified By

Gajendrasingh Desai
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-19 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S4	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	147.63
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.91
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	184.76
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	52.81
18	Sodium adsorption ratio	-	By Calculation	16.93
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.58
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.37
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.59
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.73
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.91
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6

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Verified By
Gajendrasinha Desai
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/10012023/1-19 dated 10/01/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/30122022/ENV-224-S4	**Analysis Start**	31/12/2022
	Inward Date	31/12/2022	**Analysis End**	06/01/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	10/01/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 30/12/2022 **Sampling Time :** 2.10 to 4.45 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.192
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.52
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.391
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.26
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.847
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.903
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.176
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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ANNEXURE – II

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING
(January 2023 to March 2023)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
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March – 2023

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Anacon Laboratories

Test Report

Ambient Air Quality Analysis Report-March-2023

Report Code: ALPL/31032023/1-1 **Issue Date:** 31/03/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/27032023/ENV-74-AAQ-1
Sample Description	: Ambient Air
Sample Drawn On	: 23/03/2023 to 24/03/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/03/2023
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/03/2023 to 28/03/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SSW	1.8 m/sec	25	38	26	43
		25-38		26-43	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	67.2	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	32.8	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	11.4	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	26.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.417	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	0.16	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	8.4	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	12.6	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

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Test Report

Ambient Air Quality Analysis Report-March-2023

Report Code: ALPL/31032023/1-2 **Issue Date:** 31/03/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/27032023/ENV-74-AAQ-2
Sample Description	: Ambient Air
Sample Drawn On	: 23/03/2023 to 24/03/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/03/2023
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/03/2023 to 28/03/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SSW	1.8 m/sec	25	38	26	43
		25-38		26-43	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	54.9	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	21.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.7	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	23.4	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.291	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.2	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.7	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

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Test Report

Ambient Air Quality Analysis Report-March-2023

Report Code: ALPL/31032023/1-3 **Issue Date:** 31/03/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/27032023/ENV-74-AAQ-3
Sample Description	: Ambient Air
Sample Drawn On	: 24/03/2023 to 25/03/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/03/2023
Sampling Location	: **Garamsur**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/03/2023 to 28/03/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	2.1 m/sec	25	40	22	46
		25-40		22-46	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	48.2	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.1	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.6	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	17.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.257	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.8	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	7.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

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Test Report

Ambient Air Quality Analysis Report-March-2023

Report Code: ALPL/31032023/1-4 **Issue Date:** 31/03/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/27032023/ENV-74-AAQ-4
Sample Description	: Ambient Air
Sample Drawn On	: 24/03/2023 to 25/03/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/03/2023
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/03/2023 to 28/03/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	2.1 m/sec	25	40	22	46
		25-40		22-46	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	53.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	18.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.281	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.4	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.2	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

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Test Report

Ambient Air Quality Analysis Report-March-2023

Report Code: ALPL/31032023/1-5 **Issue Date:** 31/03/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/27032023/ENV-74-AAQ-5
Sample Description	: Ambient Air
Sample Drawn On	: 25/03/2023 to 26/03/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/03/2023
Sampling Location	: Ringnabodi
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/03/2023 to 28/03/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SSW	2.3 m/sec	27	41	25	42
		27-41		25-42	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	58.2	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	23.9	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.1	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	24.7	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.304	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.8	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	11.6	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Deputy Technical Manager

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Quality Manager

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Test Report

Noise Study Report

Report Code: ALPL/31032023/1-6 **Issue Date:** 31/03/2023
Inward Number: ALPL/27032023/ENV-N-74 **Inward Date:** 27/03/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	23/03/2023	IS 9989:1981 (R2001)	67.2	54.9
2.	Project Site-Slurry	23/03/2023		58.1	46.2
3.	Project Site-Spining	24/03/2023		54.9	42.7
4.	Dhankuda	24/03/2023		48.3	39.2
5.	Garamsur	25/03/2023		54.9	43.6
Range				**48.3-67.2**	**39.2-54.9**
CPCB Standards- dB(A)					
Industrial Area				**75**	**70**
Commercial Area				**65**	**55**
Residential Area				**55**	**45**
Silence Zone				**50**	**40**

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Authorized Signatory
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Quality Manager

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Anacon Laboratories

Test Report

Stack Emission Report

Report No.: AN/SE/KEL/2023/1-7			**Date:** 31/03/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NO_x: 25 mL X 1 No. PVC Bottle
Date of Sampling	24/03/2023	**Inward Number**	ALPL/27032023/ENV-74-S1
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	27/03/2023
Date of Start of Analysis	27/03/2023	**Date of Completion of Analysis**	28/03/2023

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	121	IS:11255 (Part 3)
Flue gas velocity	m/s	8.68	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	12720.38	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	9621.00	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	42.7	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	182.6	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	mg/Nm^3	101.3	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	280	Gas analyser

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Anacon Laboratories

Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2023/1-8			**Date:** 31/03/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	24/03/2023	Inward Number	ALPL/27032023/ENV-74-2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	27/03/2023
Date of Start of Analysis	27/03/2023	Date of Completion of Analysis	28/03/2023

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	126	-	IS:11255 (Part 3)
Flue gas velocity	m/s	12.66	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1473.91		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1100.82		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.067	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.04	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.52	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	247		Gas Analyser

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2023/1-9			Date: 31/03/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	24/03/2023	**Inward Number**	ALPL/27032023/ENV-74-3
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	27/03/2023
Date of Start of Analysis	27/03/2023	**Date of Completion of Analysis**	28/03/2023

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	168	-	IS:11255 (Part 3)
Flue gas velocity	m/s	15.65	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1822.40	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1231.46	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.12	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.006	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	gm/kw-h	0.187	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	320		Gas Analyser

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Test Report

Test Report No. : ALPL/31032023/1-10 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-1	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 25/03/2023 **Sampling Time** 2.40 pm		Project Site

Tests Required : Total coliform, Faecal coliform. pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.94 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	452.82
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.1
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	258
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	164.21
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	187.48
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.67
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.98
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.16
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	6.94
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	32.51
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.16
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	32.64
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.21
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	9.18
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-10 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/27032023/ENV-74-GW-1 **Inward Date** 27/03/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 27/03/2023 **Analysis End** 31/03/2023 **Report Issue Date** 31/03/2023 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative Mr. Satish Pustode	25/03/2023 / 2.40 pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.16
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/31032023/1-11 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-2	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By			Sampling Location
Anacon Representative Mr. Satish Pustode	**Sampling Date** 25/03/2023 **Sampling Time** 2.40 pm		Dhankura

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.21 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	516.24
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.9
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	294
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	182.16
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	196.45
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	56.29
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.57
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.92
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	6.84
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	16.21
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.31
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	18.94
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	6.92
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-II dated 31/03/2023

Issued To :	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-2	**Analysis Start**	27/03/2023
M/s Keltech Energies Ltd,	**Inward Date**	27/03/2023	**Analysis End**	31/03/2023
Village-Garamsur, Teh-Katol,	**Reference**	KEL.PO.GSMPO2223.0851	**Report Issue Date**	31/03/2023
Dist - Nagpur-441 103.	**Reference Date**	21-Nov-2022	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	25/03/2023	**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Time**	2.40 pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.16
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/31032023/1-12 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-3	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 25/03/2023 **Sampling Time** 2.40 pm	Garamsur

Tests Required : Total coliform, Faecal coliform. **pH,** Electrical Conductivity, **Turbidity,** Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.21 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	352.94
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	201
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	193.82
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	179.67
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	47.36
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	14.92
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.16
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	8.14
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	23.52
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.16
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	23.58
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.31
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	6.28
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-12 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-3	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 25/03/2023 **Sampling Time** 2.40 pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.28
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-13 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-4	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 25/03/2023 **Sampling Time** 3.50 pm		Ringnabodi

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing I. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing I. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.71 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	352.68
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	201
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	172.27
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	183.53
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	54.29
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.64
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.47
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	9.36
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	16.52
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.64
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	21.57
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	7.29
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-13 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-GW-4	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 25/03/2023 **Sampling Time** 3.50 pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.27
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/31032023/1-14 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-WW1	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By Anacon Representative Mr. Satish Pustode	**Sampling Date :** 24/03/2023 **Sampling Time :** 3.50 pm	**Sampling Location** ETP Inlet

Tests Required : pH , Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand..

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 2022	6.57at 25^{0}C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	3491
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	68
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	116.52
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	76.21
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	416
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	124

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

1

Test Report No. : ALPL/31032023/1-15 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/27032023/ENV-74-WW2 **Inward Date** 27/03/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022		**Analysis Start** 27/03/2023 **Analysis End** 31/03/2023 **Report Issue Date** 31/03/2023 **Sample Category** Water
Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Waste Water	Outlet Water	WW-2 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Date : 24/03/2023** **Sampling Time : 4.10 pm**	**Sampling Location** ETP Outlet
Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 2022	7.18 at 25°C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	739	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	28.52	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	16.24	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	48.36	250
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	16.28	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/31032023/1-16 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S1	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 25/03/2023** **Sampling Time : 12.20 to 3.10 pm**		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.32
2	Bulk density	g/cm3	Lab-SOP	1.708
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.52
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.94
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.68
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	29.38
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Silty Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.81 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	362.94
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	516.32
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	147.29
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	102.81
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	61.76
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.92
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.51

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Pande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S1	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date :** 25/03/2023 **Sampling Time :** 12.20 to 3.10 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.91
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.34
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	381.92
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	47.26
18	Sodium adsorption ratio	-	By Calculation	2.61
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.141
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.87
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.52
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	428.91
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-16 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S1	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date :** 25/03/2023 **Sampling Time :** 12.20 to 3.10 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.217
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.52
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.192
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.76
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.694
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.176
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.728
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-17 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S2	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name **Soil**	**Sampling Date : 25/03/2023** **Sampling Time : 12.20 to 3.10 pm**		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.28
2	Bulk density	g/cm3	Lab-SOP	1.816
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.43
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.59
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	34.76
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.65
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.21 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	194.82
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	465.19
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	94.27
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	426.18
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	264.91
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	246.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	168.39

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-17 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S2	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date : 25/03/2023** **Sampling Time : 12.20 to 3.10 pm**		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode			**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	241.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.29
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	247.51
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.19
18	Sodium adsorption ratio	-	By Calculation	11.62
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.47
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.38
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.64
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.42
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.93
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-17 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S2	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name **Soil**	**Sampling Date : 25/03/2023** **Sampling Time : 12.20 to 3.10 pm**		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.241
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.68
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.473
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.21
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.152
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.291
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.124
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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Test Report

Test Report No. : ALPL/31032023/1-18 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S3	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil

Sample Name	**Sampling Date :** 25/03/2023 **Sampling Time :** 12.20 to 3.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Satish Pustode	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	16.82
2	Bulk density	g/cm3	Lab-SOP	1.471
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.51
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.87
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.94
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	24.19
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.82 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	271.68
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	421.29
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	84.52
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.94
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.68
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.54
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.82

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Verified By

Shehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S3	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil

Sample Name	**Sampling Date : 25/03/2023** **Sampling Time :** 12.20 to 3.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Satish Pustode	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	141.26
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	108.52
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	221.73
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.29
18	Sodium adsorption ratio	-	By Calculation	16.42
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.57
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.21
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.94
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.48
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	271.69
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	14

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-18 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S3	**Analysis Start** 27/03/2023
	Inward Date	27/03/2023	**Analysis End** 31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 31/03/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil

Sample Name Soil	**Sampling Date : 25/03/2023** **Sampling Time : 12.20 to 3.10 pm**	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode	**Sampling Location** S3- Chakdoh	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.347
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.58
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.652
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.94
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.762
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.873
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.916
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/31032023/1-19 dated 31/03/2023

Issued To :, **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S4	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 25/03/2023** **Sampling Time :** 12.20 to 3.10 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	23.19
2	Bulk density	g/cm3	Lab-SOP	1.672
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.94
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.49
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.51
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.00
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25^{0}C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.72 at 25^{0}C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	281.68
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.27
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.29
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.81
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	264.13
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.76
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.92

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report No. : ALPL/31032023/1-19 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S4	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 25/03/2023** **Sampling Time :** 12.20 to 3.10 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	161.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.49
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	204.76
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	56.21
18	Sodium adsorption ratio	-	By Calculation	18.24
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.42
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.16
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	182.94
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.32
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.67
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

ANACON LABORATORIES PVT. LTD. ORIGINAL COPY

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https: // www.anaconlaboratories.com

Anacon Laboratories

Test Report

Test Report No. : ALPL/31032023/1-19 dated 31/03/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/27032023/ENV-74-S4	**Analysis Start**	27/03/2023
	Inward Date	27/03/2023	**Analysis End**	31/03/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date**	31/03/2023
	Reference Date	21-Nov-2022	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 25/03/2023** **Sampling Time : 12.20 to 3.10 pm**		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.176
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.94
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.471
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.82
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.739
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.718
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.204
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

NOTES:●Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'.● 'mg/kg' is equivalent to 'ppm'.

Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

Thanks for putting in your faith and trust in our services, We at Anacon Laboratories cherish our relationship.
We put in a lot of hard work to ensure that you have a seamless experience at every step of our relationship.
in order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in

ANNEXURE III

ADVERTISEMENT OF EC

Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

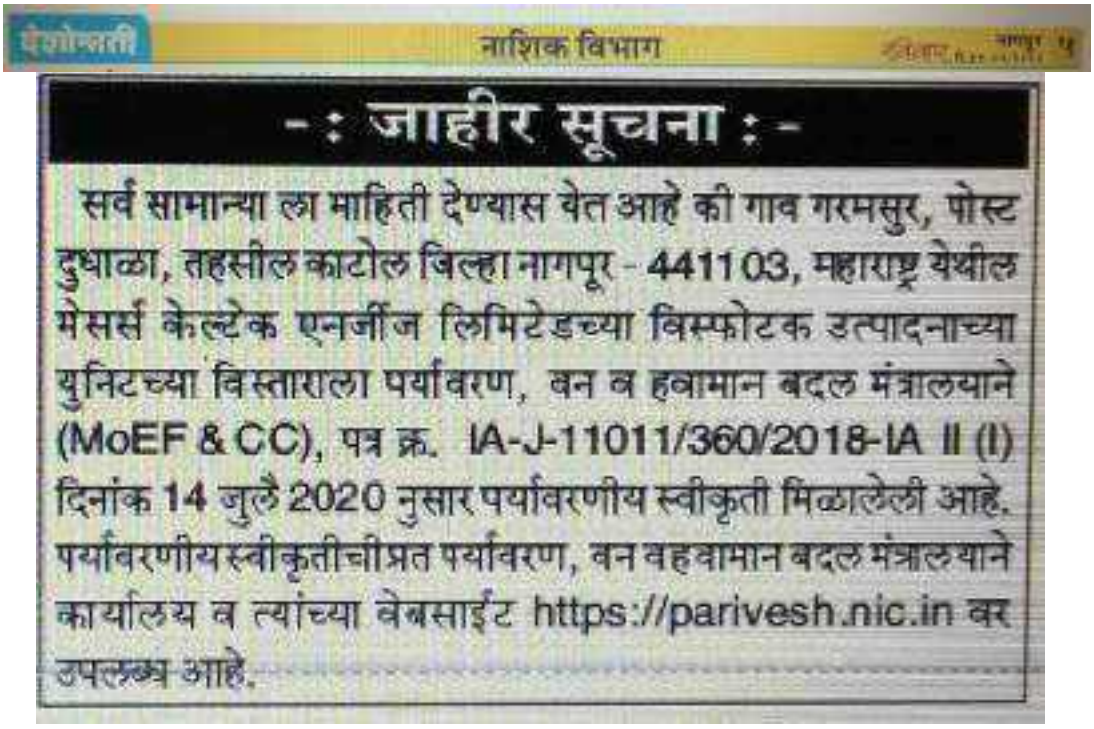
Please find attachment of Advertisement in two local newspapers

1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

नागपुर मेट्रो समाचार | नागपुर जिला / विदर्भ | 3

जाहिर सूचना

सार्वजनिक रूप से यह सूचित किया जाता है कि,ग्राम गरमसुर, पोस्ट दुधाला,तहसील काटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC),के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.



रविवारी देशोन्नती | नाशिक विभाग

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील काटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृतीची प्रत पर्यावरण, वन व हवामान बदल मंत्रालयाने कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Keltech Energies Ltd.		
Project Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2,151/1, 165,, Vill Garamsur, Ta. Katol,, Dist. Nagpur Pin 441302		
Village:	Garamsur	Block:	Katol
District:	Nagpur	State:	Maharashtra
Pin Code:			
Communication Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2, 151/1, 165,, Villge, Garamsur Taluka Katol, Dist. Nagpur, Katol, Nagpur, Maharashtra - 441302		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1.	**NOC No.:**	CGWA/NOC/IND/REN/2/2022/7362			
2.	Application No.:	21-4/815/MH/IND/2017	3.	Category: (GWRE 2020)	Semi Critical
4.	Project Status:	Existing Ground Water	5.	NOC Type:	Renewal
6.	**Valid from:**	23/10/2022	7.	**Valid up to:**	22/10/2025

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
80.00	24000.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:3						**Total Proposed No.:0**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	3	0	0	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10.	Ground Water Abstraction/Restoration Charges paid (Rs.):	24000.00

11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism		
			Manual	DWLR**	DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	1	0	1	0

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCE list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

J.B.M ENTERPRISES

MOUZA- SELU, P.H.NO. 25, WARD NO.2,
H.O.NO. 267, BLOCK NO.2, TH. KALMESHWAR,
NAGPUR-441501
Phone : 07122549996 Fax : 0712-2549996 E-Mail : jbm_cnf@hotmail.com

GST INVOICE

DL.No. :20B-MH-NAG-336907,21B-MH-NAG-336908 GSTIN : 27ADHPD2481Q1Z5 FSSI NO:11520056000267

M/s KELTECH ENERGIES LTD
VILLAGE:GARAMSUR,P.O.DHUDHALA,TH.KATOL-441108
DIST-NAGPUR. State : 27

D.L.No.:
GSTIN : 27AAACK4702A1Z7

Invoice No.: **M/00141** **Date : 04/05/2021**
Order No. : Date : 04/05/2021
L.R. No. : Date : 04/05/2021
Cases : 0
Transport :
Due Date : 25/05/2021

S.	HSN	Product	Pack	Mfr.	Batch	Exp.	Qty.	Free	Disc.	M.R.P.	RATE	P.T.R	SGST	CGST	Amount
1	3808	INSTADIS BLUE	100ml	SPE	IDB038	5/23	1255	0	0.00	50.00	21.00	0.00	9.00	9.00	26355
2	3808	INSTADIS CHG	100ML	SPE	IDC020	8/23	245	0	0.00	50.00	21.00	0.00	9.00	9.00	5145.0

0296
07/05/2021
00374
07/05/2021

GST %	Txble.Amt	Tax Amt.	Txble Amt	Tax Amt
0.00%	0.00	0.00	0.00	0.00
5.00%	0.00	0.00	0.00	0.00
12.00%	0.00	0.00	0.00	0.00
18.00%	31500.00	2835.00	31500.00	2835.00
28.00%	0.00	0.00	0.00	0.00

SUB TOTAL	31500.00
DISCOUNT	0.00
ADD CGST	2835.00
ADD SGST	2835.00
CR/DR Adj.	0.00
GRAND TOTAL	37170.00

Rs. Thirty Seven Thousand One Hundred Seventy Only

I/We hereby certify that my/our registration certificate, under the INDIA GST Act ,2016 is in force on the date on which sale of goods specified in this Tax Invoice is made by me/us and that the transaction of sale covered by this bill/Invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Terms & Conditions

1).Intrest @ 2% P.M. will be charged from the date of invoice if Payment does not reach in time.
2).Our Responsibility cases as soon as the goods Leave our Premises.
3).Subject to NAGPUR Jurisdiction.
4).Payment will be made by only cheque/RTGS or DD. NO CASH transaction.
5).All Payment Should Be Made in favour of J.B.M ENTERPRISES.

For J.B.M ENTERPRISES

Authorised signatory

RECEIVED FOR 37170/-
PAYMENT FOR Rs.....

TAX INVOICE

M. I. Engineering Stores " Saify Mansion " , Beside Siddarth Hotel , 89 , C.A . Road , Nagpur GSTIN/UIN: 27ABDPI3636A1Z6 State Name : Maharashtra, Code : 27 E-Mail : mi_engg14@rediffmail.com	Invoice No. MI/21-22/41 | Dated 4-May-2021 Delivery Note | Mode/Terms of Payment Supplier's Ref. MI/21-22/41 | Other Reference(s) Buyer's Order No. | Dated Despatch Document No. | Delivery Note Date Despatched through | Destination Terms of Delivery
Buyer **KELTECH ENERGIES LIMITED** NAGPUR GSTIN/UIN : 27AAACK4702A1Z7 State Name : Maharashtra, Code : 27	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	**Nose Mask** *Cotton* (C500096)	6307	1,300.00 Nos	11.00	Nos		14,300.00
	CGST ON SALES 2.5			*2.50*	%		357.50
	SGST ON SALES 2.5			*2.50*	%		357.50
	Total		1,300.00 Nos				₹ 15,015.00

0295
07/05/2021
00373
07/05/2021

Amount Chargeable (in words) *E. & O.E*

INR Fifteen Thousand Fifteen Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
6307	14,300.00	2.50%	357.50	2.50%	357.50	715.00
Total	**14,300.00**		**357.50**		**357.50**	**715.00**

Tax Amount (in words) : **INR Seven Hundred Fifteen Only**

RECEIVED RS. 15015/-
PAYMENT FOR RS.

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for M. I. Engineering Stores

Authorised Signatory

This is a Computer Generated Invoice

'Confidential and for private circulation only'

Note on LITAA Incubation Center

August 30, 2021

1. **Objective**
   This document is meant for LITAA members about various aspects of proposed incubation center @LIT, Nagpur

2. **Vision**
   To create a vibrant and sustainable ecosystem on LIT campus and Central India for nurturing and enrichment of Creativity, Innovation and Entrepreneurship in thriving start-up ecosystem

3. **Mission**
   We are committed to nurture and support creativity, innovation and entrepreneurship amongst students, faculty members, alumni and other aspirants for establishment and growth of technology businesses to meet the social obligations and economic & financial growth of our communities

4. **What is proposed @ LIT Incubation center?**
   Proposed LIT incubation center will

   - Support Seed / idea and early stage companies promoted by LIT students, faculty and alumni to help start commercial operations.
   - Support Sponsored projects/ideas from industries belonging to LIT alumni and others
   - Help set up Centre of Excellence (CoE) – extended R&D of companies for close collaboration amongst students, faculty and industry
   - Conduct technology seminars, business plan conferences, trade events, knowledge sharing events, training etc.

5. **Focus areas of LIT Incubation Center**
   It is proposed to focus primarily on areas related to Chemical Engineering and Technology (Food, Oil, Petrochemicals, Surface Coating, Plastic & polymer and Paper & pulp) with special emphasize on –
   - Ecology friendly technologies e.g. renewable energy, pollution control (air, water & soil)
   - Waste to Wealth
   - Nano technology
   - Quantum computing
   - Instrumentation – break through applications

   The above is illustrative list and shall be modified depending upon market response.

6. **What infrastructure anticipated and needed for LIT Incubation Centre?**
   The facility should provide
   a) Basic Constructed space preferable admeasuring 5000 sq ft floor space.
   b) A creative office ambiance for the incubatee with supporting office infrastructure,
   c) Knowledge, Expertise support, Guidance from faculty members of the institute.
   d) Full-fledged equipped Laboratories and pilot plants (Two such are already in place donated by our alumni) to conduct experiments and pilot trial to create readiness for eventual commercial scaled-up.
   e) Business network & mentoring from global alumni and hand holding for initial commercial operation.

7. **Who are partnering with this LIT Incubation Centre?**
   It will be a joint effort of
   a) **The Institute** – Laxminarayan Institute of Technology - to provide 6 (a), 6 (c) part of 6 (d) above
   b) **An NGO –** LIT Alumni Association (LITAA) to provide - 6(b) part of 6(d) and 6(e) above and would be an Active partner who would actively help operations of the Incubation center.
   c) **Section 8 organization (Not for Profit section 8 Company) –** LITAA Technovation Foundation (LITF) This is to create eligibility for the incubation Centre to seek financial grants under Atal Innovation Mission (https://aim.gov.in/), Maharashtra State Innovation Society (https://www.msins.in/) and other Government Institutions/Agencies. The eligibility for application was for such combination of three partners with specifically allocated 5000 sq ft area for this exclusive activity.

8. **What would be the Governing body for this LIT incubation Centre?**
   It is proposed to have eleven members committee to closely govern the activities of LIT incubation Centre.
   The proposed members are:
   a) Director of the Institute- LIT – 1 member.
   b) One Faculty member each from Chemical Engineering and Chemical Technology – 2 Members
   c) All Office bearers of LITAA (viz. Chairman, Vice Chairman, Secretary, Joint Secretary & Treasurer) and two members nominated by Executive Committee of LITAA– 7 Members
   d) One Director LITF - Incubation Project Director – 1 Member

9. **Roles of LIT, LITAA and LITF**
   LIT, LITAA and LITF have signed comprehensive exclusive MoU about their roles and responsibilities.

10. **How will LIT Incubation Center operate?**
    - CEO/GM of Incubation center will work under overall guidance of Governing Body
    - The center will have experienced professionals managing the day-to- day operations
    - Projects/incubation ideas will be approved by the Governing body
    - The center will conduct Ideation Competition and Business plan competitions on theme based cohorts on regular basis to select incubatees
    - Renowned Jury members shall select the incubatees under transparent process
    - Only the short listed companies/projects will be incubated
    - Create panel of Subject Matter Experts from amongst LIT alumni & industry to help incubatees
    - Tie-up with other incubation centers in and around Nagpur to create & nurture start-up ecosystem
    - Help incubatee companies with panel of outsourced professionals in accounting, secretarial and legal including Patents, IPRs, Copyrights, Brands etc.
    - Detailed policies and Standard Operating Procedures are available for review

11. What is the project progress status ?

Followings are the achievements so far on this project.

a) Application to seek grant of Rs. 5 Crores from Maharashtra State Innovation Society was submitted during July 2019, however due to change of Government during November 2019, the activities and considerations for grants were held. (The same has been now under consideration from February 2021.) LITAA was estimated to contribute Rs. 2 Crore through alumni donation and therefore a Rs. 7 Crores project was estimated in this application to MSINS.

b) 25 potential donors, members of LITAA came forward to contribute over Rs. 2 Crores for the purpose of setting up incubation center was looking a reality soon.

c) As there was no response from MSINS, It was proposed to have a very humble start on this activity and with only donation from Alumni and take the application for grants at later date.(As these schemes have been reinstalled by the Governments earlier on many occasions.)

d) RTMNU was approached to allocate any constructed smaller area which can eventually be extended to 5000 sq ft. as and when needed.

e) RTMNU has allocated a constructed area for this activity (Earlier Badminton hall next to canteen) admeasuring approximately 2000 sq.ft carpet area. The hall has a height of almost 34 ft and by constructing a mezzanine floor without making any changes to existing structure, a floor area of 5000 sq. ft would be built in this premises.

f) Formed a Section 8 company under the name LITAA Technovation Foundation (LITF) having main objects as promotion of Science, Technology, Research, Entrepreneurship, Incubation center and Social objectives. All the office bearer and Incubation project head are the directors of this section 8, **Not-for-Profit Company.**

g) A detailed architectural master plan to build 5000 sq ft area has been worked out with cost estimates. Approximate amount of Rs. 3.50 Crores is estimated by the architect to create a state-of-an-art infrastructure of 5000 sqft area. This may be done in three or four phases and over next 24-36 months and depending on the funds collection from Alumni.

   As it seems the immediate requirement is estimated at Rs. 45-50 lacs only for infrastructure to initiate this activity in a very humble way. The yearly operating expenses would be Rs. 7-10 lakhs for the next two years and the center is expected to start generating revenue of it's own post this period with at least 5-6 success stories under the center during two years.

h) 3D model and walkthrough for the same has been prepared. The same gives the glimpses of the proposed facility to all stakeholder and also to seek donation from the esteemed members of our association.
   (https://www.youtube.com/watch?v=D4KI3pojxqM&t=22s)

i) Foundation laying and Bhomi Pujan ceremony was solemnized on August 22, 2021 gracious presence of Honorable Vice Chancellor of RTM Nagpur University, Dr. Subhash Chaudhary; Dr. Raju Mankar, Director, LIT; Ajay Deshpande, Chairman, LITAA; Madhav Labhe, Vice Chairman, LITAA; Arun Lanjewar, Secretary, LITAA; Vinod Kalkotwar, Project Director & LITAA South; and other LITAA EC member, Faculty members, Students etc.

12. Any incubation centre existing on these lines?

- ✓ Yes! College of Engineering, Guindy - Chennai (https://ceg.annauniv.edu/) has similar setup and operating at Chennai for about past 3 years. CEG is 225 year old engineering college with excellent track record and over 100,000 alumni spread across the globe.

13. Wall of Fame @LIT Incubation Center

It is proposed to create 'Wall of Fame' at the LIT Incubation center, where in each and every Donors' name will be prominently etched

The various categories of Donors proposed are

- Platinum – Donation of Rs. 25 lakhs and above
- Diamond – Donation of Rs. 10 lakhs but less than Rs. 25 lakhs
- Gold – Donation of Rs. 5 lakhs but less than Rs.10 lakhs
- Silver - Donation of Rs. 3 lakhs but less than Rs. 5 lakhs
- Bronze – Donation of Rs. 1 lakh but less than Rs. 3 lakhs

14. Appeal to Alumni

You are requested to donate generously to LITAA for creation of LITAA Incubation Center. Your donations are eligible for IT benefits under section 80G of IT Act. Even companies belonging to alumni can donate to LITAA under CSR/CER activities.

Remittance details are –

Account name – LIT Alumni Association
Account number – **50100173216416**
Bank – HDFC Bank Ltd.
Branch – South Ambazari Road, Laxminagar, Nagpur 440022
IFSC Code – **HDFC0003358**

Do mention 'Donation of LIT Incubation Center' in remittance instructions.

KELTECH ENERGIES LTD.

7th Flr, Embassy Icon, #3 Infantry Rd, Bengaluru Bengaluru

Bank Payment [BANKBNGGUR] Voucher

Voucher No. : BNG.BPV.2122.6567 Date: 24/12/21

Particulars			Debit Amount	Credit Amount
	LIT Incubation Center	*Dr*	1,200,000.00	
To	State Bank of India			1,200,000.00
	Cheque No: ONLINE Dated: 20/12/21			
	Cheque No: ONLINE Dated: 20/12/21			

Narration :

Being Amount Paid under CER towards Financial Support to LIT Incubation Centre
- through ONLINE
FVG: "LIT ALUMNI ASSOCIATION"
UTR No.: SBINR12021122057599067 Dtd.20/12/2021

Amount (in words):

Rs. TWELVE LAKH RUPEES AND ZERO PAISA ONLY

	1,200,000.00	**1,200,000.00**

Prepared by: **Checked by:** **Approved by:**

जिल्हा परिषद प्राथमिक शाळा

माहुरखोरा
पं.स. काटोल जि.प. नागपूर
UDISE No. : 27090207401

युवराज घोडे
मुख्याध्यापक
9822936813

पत्ता–मु. माहुरखोरा पो. दुधाळा, ता. काटोल, जि. नागपूर–४४११०३

दिनांक

पत्रक्रमांक.

जि. प. प्रा. शाळा आ.जा.क्र. १९४ दिनांक २५/१/२२ माहुरखोरा पं. स. काटोल

प्रति,

मा. व्यवस्थापकसाहेब
केलटेक एनर्जीक लिमिटेड, गरमसूर

विषय :- केलटेक कंपनीच्या वतीने डिजीटल साहित्य मिळण्याबाबत

जि. प. प्राथमिक शाळा, माहुरखोरा शाळेने मागणी केल्याप्रमाणे एनर्जीक लिमिटेड - गरमसूर कडून शाळेला आज दि. 24 जानेवारी 2022 ला डिजीटल साहित्य प्रदान करण्यात आले.

शाळेप्रति कंपनीची असलेली स्नेह भावना कायम ठेवून ती भविष्यात वृद्धींगत व्हावी ही अपेक्षा ठेवून शाळेच्या वतीने कंपनीचे मनपूर्वक धन्यवाद !

माहुरखोरा
दि. 24.01.2022

अध्यक्ष / सचिव
शाळा व्यवस्थापन समिती
जि. प. प्राथ. शाळा माहुरखोरा
पं. स. काटोल; जि. नागपूर

मुख्याध्यापक
जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

TAX INVOICE ORIGINAL FOR RECIPIENT

Nagpur's Best Industrial Solutions.

R V Multi Tech Engineers C/o SG SUPERBLEND[FORMALY KNOWN AS SG POLYMERS & PACKAGING]29/30, Mauli Nagar, Near Pooja kata, katol bypass road, wadi, Nagpur, Maharashtra GSTIN: 27CKMPB0109H1ZJ Mobile: 9028992246	Invoice No. RVMTE/2021-22/171	Invoice Date 19-02-2022	Due Date 26-02-2022
	P.O. No. GSMP02122.0764 DATE:- 10/02/2022		

BILL TO	SHIP TO
KELTECH ENERGIES LIMITED. Address: 149/1, 149/2, Post Dudhala, Garamsur.Tab: Katol, Nagpur- 441103 : Garamsur, Maharashtra GSTIN: 27AAACK4702A1Z7 Place of Supply: Maharashtra	KELTECH ENERGIES LIMITED. Address: 149/1, 149/2, Post Dudhala, Garamsur.Tab: Katol, Nagpur- 441103 : Garamsur, Maharashtra

S.No.	ITEMS	QTY.	RATE	TAX	AMOUNT
1	VACCINE CARRIER 1.6LTR	5.0 PCS	2000.0	1800.0 (18.0%)	11800.0
	TOTAL	5		₹ 1800.0	₹ 11800
	RECEIVED AMOUNT				₹ 0
	BALANCE AMOUNT				₹ 11800
	PREVIOUS BALANCE				₹ 133319.6
	CURRENT BALANCE				₹ 145119.6

under CER ordinary

GRN No/.. 2923
22/2/2022
4867
22/2/2022

CERTIFIED FOR 11800/-

HSN/SAC	Taxable Value	CGST		SGST		Cess	Total Tax Amount
		Rate	Amount	Rate	Amount		
-	10000.0	9.0%	900.0	9.0%	900.0	0.0	₹ 1800.0

Invoice Amount (in words) Eleven Thousand Eight Hundred Rupees

Bank Details

Name	R V MULTI TECH ENGINEERS
IFSC Code	KKBK0001833
Account No.	3014072566
Bank	Kotak Mahindra Bank ,DHARAMPETH BRANCH

Terms and Conditions

Authorised Signatory For
R V Multi Tech Engineers

25/2/2022.

To,

The Manager,
Keltech Energies Ltd
Baramsur

Sub :- About receiving of four Vaccine Carrier.

Respected Sir,

Four Vaccine Carriers given by Keltech Energies Ltd received by PHC Kondhali on 25/2/2022.

Thanking you,

Kondhali

वैद्यकीय अधिकारी
प्रा.आ.केंद्र, कोंढाळी
ता. काटोल, जि. नागपूर

कार्यालय

ग्राम पंचायत गरमसुर

पंचायत समिती काटोल, जिल्हा परिषद नागपूर

जा.क. .....

दिनांक 23/3/2022

प्रति,

मे. व्यवस्थापक

~~श्रेत्रमटेक~~ एनर्जी लिमिटेड

गरमसुर

विषय :- ग्रामपंचायत गरमसुर अंतर्गत ग्रा.पं. भवन कंपाऊंड भिंत बांधकाम काम पूर्ण झाल्याबाबत

महोदय,

उपरोक्त विषयाचे अनुसरुन आपणास कळविण्यात येते की ग्रामपंचायत गरमसुर अंतर्गत ग्रामपंचायत भवन कंपाऊंड भिंत बांधकाम काम ~~श्रेत्रमटेक~~ एनर्जी लिमिटेड गरमसुर मार्फत पूर्ण करण्यात आले आहे. करिता सदर दुरुस्ती देण्यात येत आहे.

करिता आपला माहितीकरिता सविनय सादर

सरपंच
ग्राम पंचायत गरमसुर
प.स.काटोल, जि.प.नागपूर

सचिव
ग्राम पंचायत गरमसुर
प.स.काटोल, जि.प.नागपूर

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान,
नागपूर ४४००१० (भारत)
Visvesvaraya National Institute
of Technology, Nagpur - 440 010

Dr. Sachin Mandavgane
Associate Professor & Head
Department of Chemical Engineering

: 0712-2801563
: 98232 46329
: sam@che.vnit.ac.in, head@che.vnit.ac
: mandavgane@gmail.com
: vnit.ac.in/chemical/

CHE-583
31/05/2022
31.5.2022

Dr. Atul P Dwivedi
Manager- Technology and R&D
KELTECH ENERGIES LIMITED,
Garamsur, Nagpur

Subject: Thanks for the donation

Dear Dr Atul,

I am thankful to Keltech Energies Limited Management !

VNIT is in receipt of your donation of Rs 10 lakhs for the courses/activities related to sustainability, safety and environment.

This support by KELTECH will surely help VNIT in conducting more activities in the area of sustainability, carbon accounting, process safety and life cycle thinking.

I take this opportunity to invite KELTECH Management and you to the Chemical Engineering Department of VNIT Nagpur.

Regards

Sachin Mandavgane

Department of Chemical Engineering * V.N.I.T. NAGPUR

KELTECH ENERGIES LIMITED

KEL/EC/ 23-24/161 **Date: 1st December, 2023**

To

The Director,
Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001

Sub: Submission of half-yearly compliance status report of Environmental Clearance conditions for the period **"April *2023 to September 2023*"** in respect of **M/s. Keltech Energies Limited, Nagpur**

Ref: EC Letter No. F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020

Dear Sir,

We are submitting herewith Six Monthly Compliance Report in respect of the stipulated Environmental Clearance conditions (soft copy) for the above mentioned period for **"Expansion of explosive product manufacturing unit** of M/s. Keltech Energies Limited at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur-441103" for your perusal and record.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental management practices.

Thanking you.

Yours faithfully,
For M/s. Keltech Energies Ltd.

(Dr. Atul P. Dwivedi)
Corporate Incharge- R&D (Explosives)

Encl: As above

Copy to:

1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003
2. MPCB, Udyog Bhavan, Civil Lines, Nagpur-440001

EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(April 2023 – September 2023)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

Environmental Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

December – 2023

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INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala , Tehsil Katol under District Nagpur By M/s. Keltech Energies Limited of an areas of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, The entire effluent treated in ETP with capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.	There are only two sources of fugitive emissions-nitration and granulation. At both these

Sr. No.	EC Conditions	Compliance
		places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). Due to second wave of COVID-19 the project implementation has been delayed and phase-1 is completed in Mar-2022. The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents is reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures as per PESO guidelines
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent condensers with chilled brine circulation.

Sr. No.	EC Conditions	Compliance
x.	Total Fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/ CGWA	Agreed. CGWB NOC attached **Annexure IV**.
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places.(store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by-product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area,	Yes, condition being complied.

Sr. No.	EC Conditions	Compliance
	mainly along the plant periphery, in downward wind direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department.	
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed. Total expenditure as per CER budget so far Rs. 46,71,974/-, details attached as **Annexure-V.**
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed. Installed CMS system for ETP water and Stack and is connected with CPCB and MPCB server.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have prepared conservation plan and wildlife management plan and submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	Change. In case of Deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I and II.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular	Yes, being complied. Training is imparted to all employees on safety and health aspects of chemical

Sr. No.	EC Conditions	Compliance
	basis. Training to all employees on handling of chemicals shall be imparted.	handling.
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six month compliance report and EC to be published on the company website.	Yes agreed. This being the 3rd six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and

Sr. No.	EC Conditions	Compliance
		MPCB.
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure III.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity which will commence from Dec 2020 and expected completion Jan/ Feb 2022 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103 and Maharashtra. The project site lies at the Latitude: $21^0$09'16.40" N, and Longitude: $78^0$44'18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out. The site is located at The proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I & II.**

TABLE 2: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

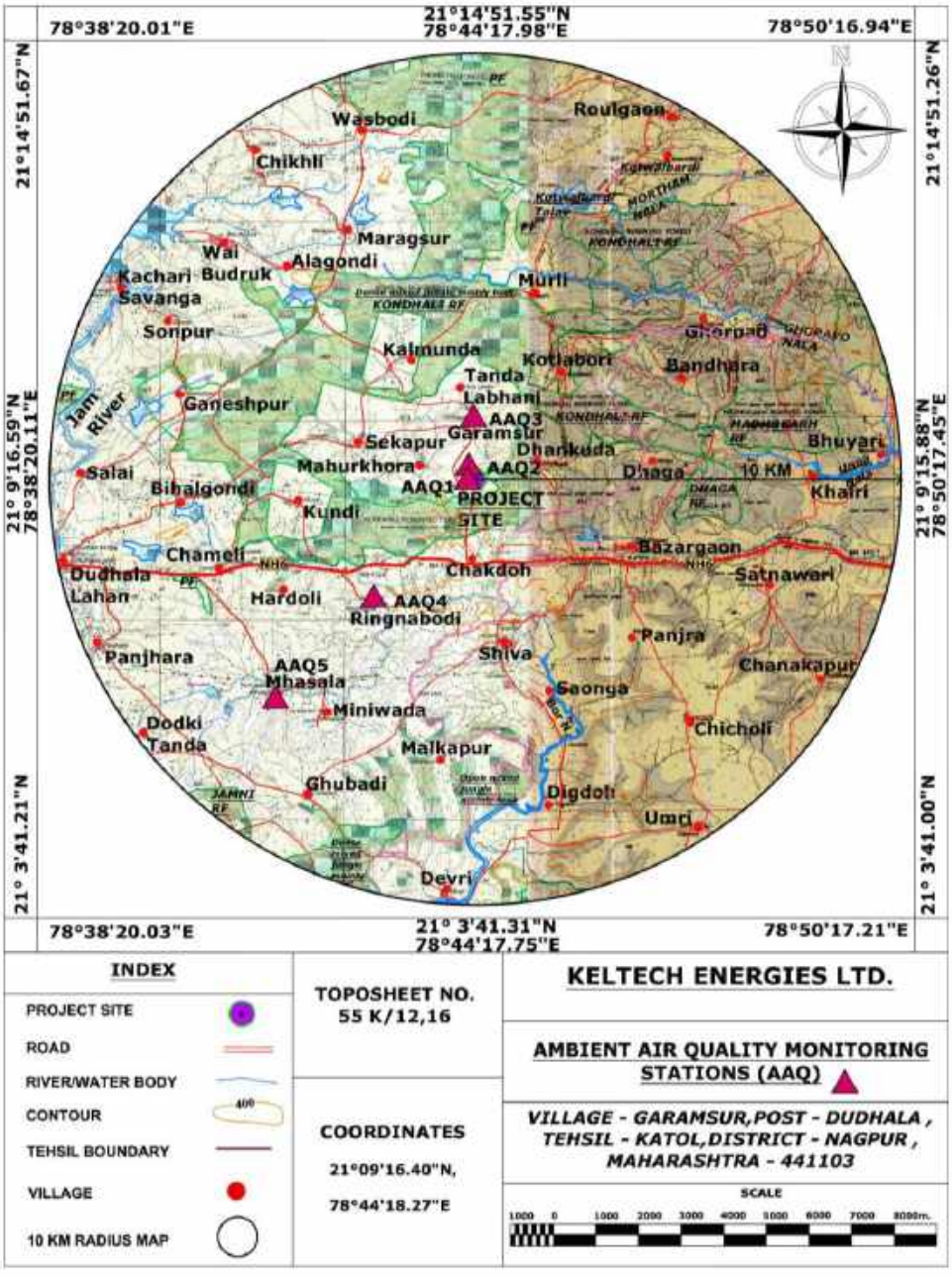

FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

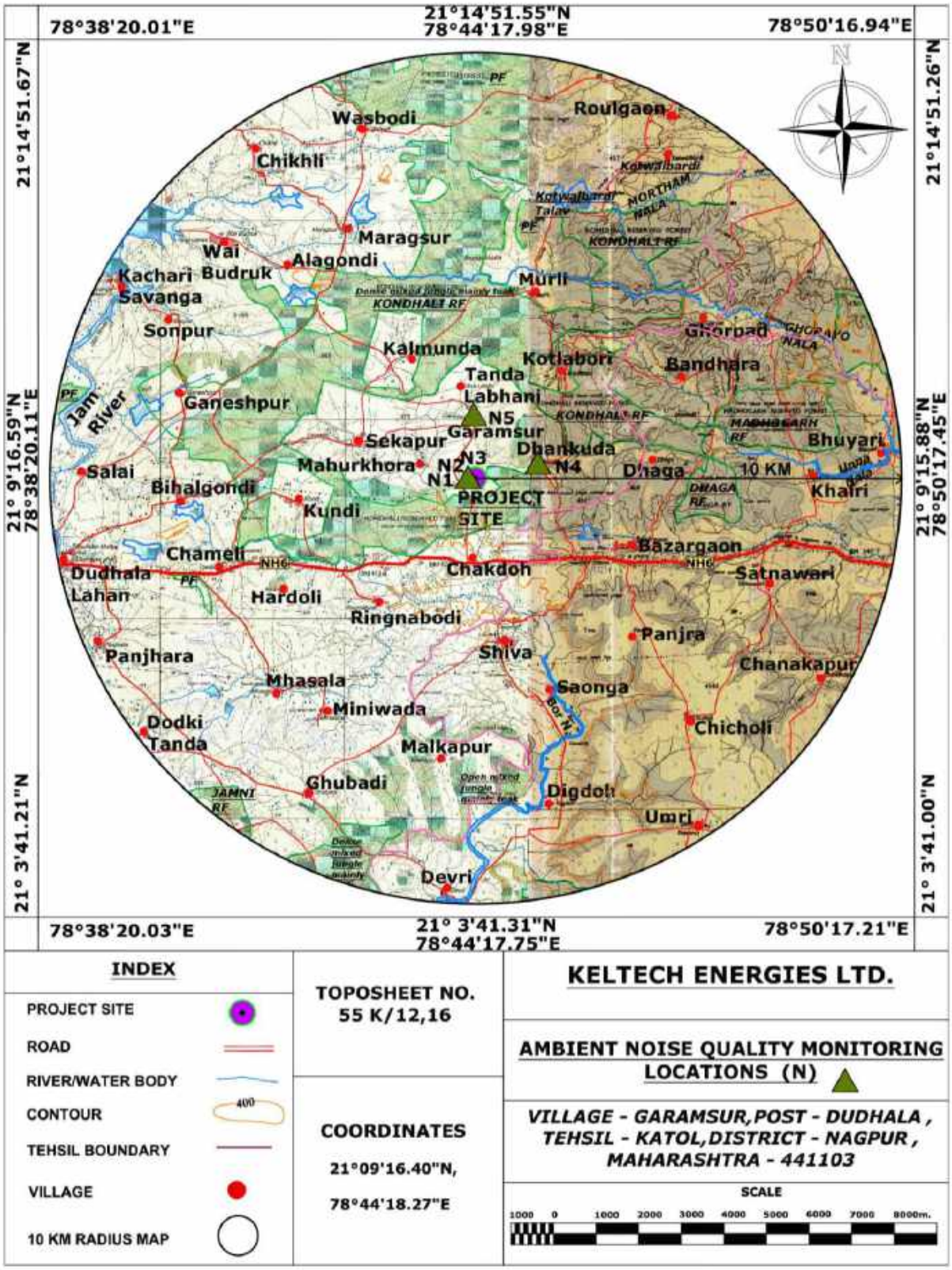

FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	12 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for Leq_{day} and Leq_{night}. The results are attached **Annexure I & II.**

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Surface and Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure I & II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

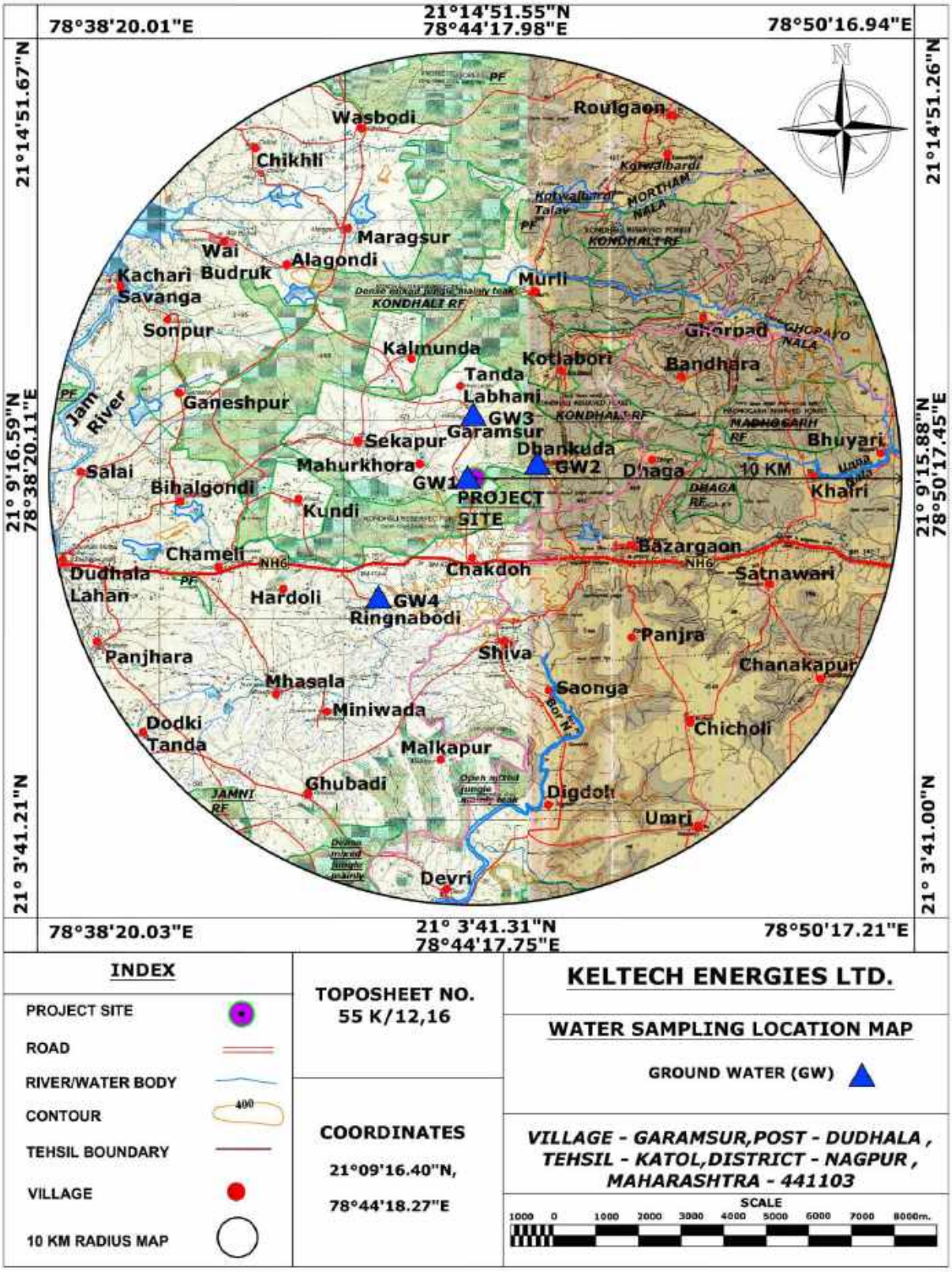

FIGURE 3: GROUND WATER SAMPLING LOCATIONS

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on the differences in the genetic and environmental factors. Thus some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various landuse conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure I & II.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

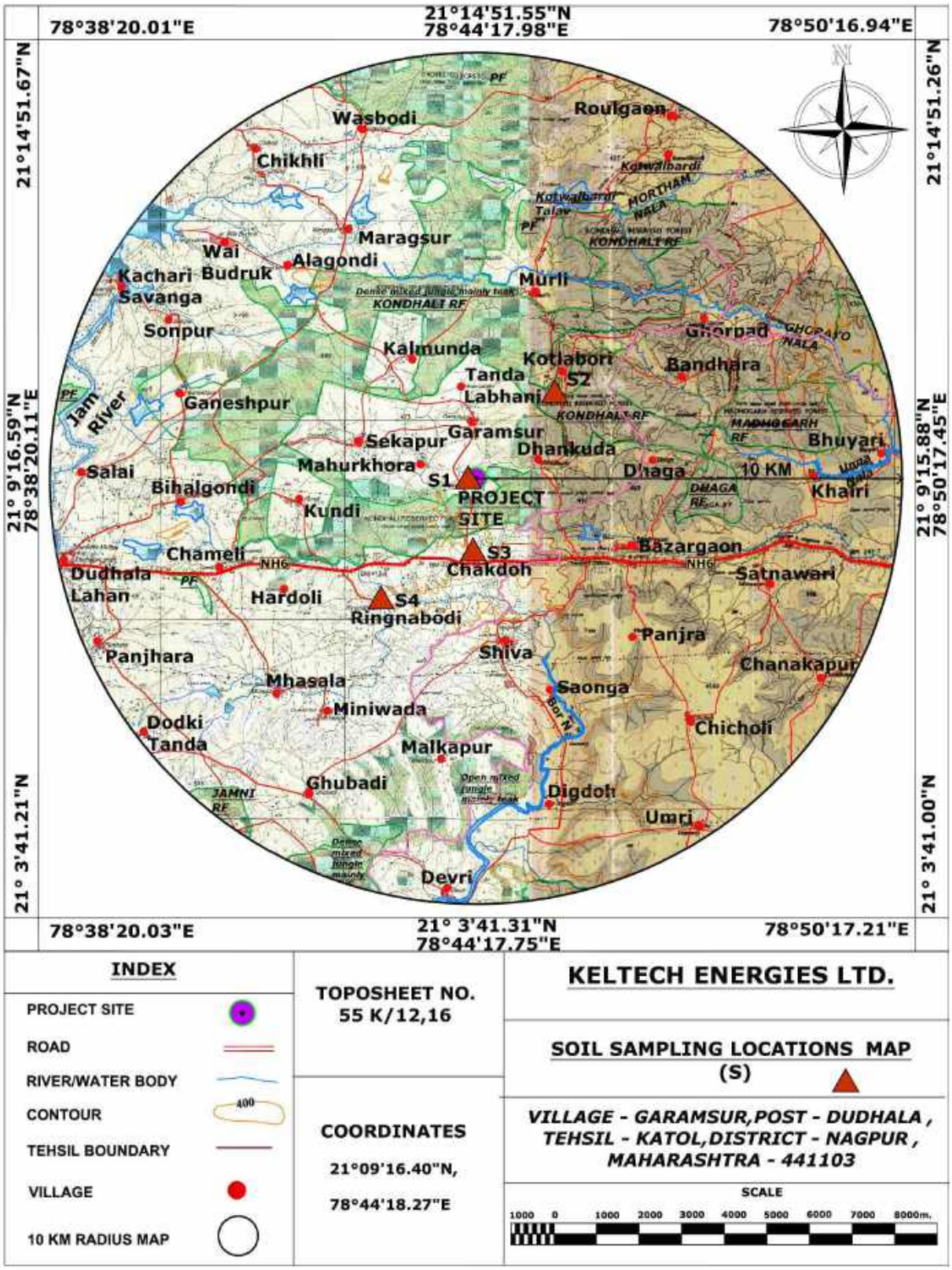

FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

SITE PHOTOGRAPHS

Green Belt

CER ACTIVITY PHOTOGRAPHS

Kid's Sweater to Garamsur School

Kid's Sweater to Mahurkhura School

Mahurkhura-

Music System and Book Shelf

Monitoring Photographs

ANNEXURE – I

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (April 2023 to June 2023)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

June – 2023

Anacon Laboratories Pvt. Ltd. Nagpur Lab
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Anacon Laboratories

Test Report

Ambient Air Quality Analysis Report-June-2023

Report Code: ALPL/30062023/1-1 **Issue Date:** 30/06/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Caramsur, Post-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/26062023/ENV-157-AAQ-1
Sample Description	: Ambient Air
Sample Drawn On	: 22/06/2023 to 23/06/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 26/06/2023
Sampling Location	: Main Gate
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 26/06/2023 to 27/06/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (°C)		Relative Humidity (%)	
		Min	Max	Min	Max
W	4.2 m/sec	31	42	17	38
		31-42		17-38	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	56.1	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	24.9	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	12.8	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	26.3	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.528	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	0.17	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume I	11.8	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

Thanks for putting in your faith and trust in our services, We at Anacon Laboratories cherish our relationship.
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In order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in

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Test Report

Ambient Air Quality Analysis Report-June-2023

Report Code: ALPL/30062023/1-2 **Issue Date:** 30/06/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/26062023/ENV-157-AAQ-2
Sample Description	: Ambient Air
Sample Drawn On	: 22/06/2023 to 23/06/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 26/06/2023
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 26/06/2023 to 27/06/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
W	4.2 m/sec	31	42	17	38
		31-42		17-38	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	52.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.4	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.4	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume I	9.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

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Test Report

Ambient Air Quality Analysis Report-June-2023

Report Code: ALPL/30062023/1-3 **Issue Date:** 30/06/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/26062023/ENV-157-AAQ-3
Sample Description	: Ambient Air
Sample Drawn On	: 23/06/2023 to 24/06/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 26/06/2023
Sampling Location	: Garamsur
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 26/06/2023 to 27/06/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	3.1 m/sec	29	36	21	54
		29-36		21-54	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	48.3	µg /m^3	100 (24 hrs)
2	Particulate Matter (PM_{25})	USEPA-40 (Part 50)	16.1	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.7	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	17.3	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.1	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	8.6	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

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Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

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Test Report

Ambient Air Quality Analysis Report-June-2023

Report Code: ALPL/30062023/1-4 **Issue Date:** 30/06/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/26062023/ENV-157-AAQ-4
Sample Description	: Ambient Air
Sample Drawn On	: 23/06/2023 to 24/06/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 26/06/2023
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 26/06/2023 to 27/06/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	3.1 m/sec	29	36	21	54
		29-36		21-54	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	52.6	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	18.3	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.1	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.4	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

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Test Report

Ambient Air Quality Analysis Report-June-2023

Report Code: ALPL/30062023/1-5 **Issue Date:** 30/06/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/26062023/ENV-157-AAQ-5
Sample Description	: Ambient Air
Sample Drawn On	: 24/06/2023 to 25/06/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 26/06/2023
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 26/06/2023 to 27/06/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	3.3 m/sec	26	34	24	62
		26-34		24-62	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	84.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	19.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.4	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	17.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.7	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume I	9.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sneha Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----*End of Report*----

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Test Report

Noise Study Report

Report Code: ALPL/30062023/1-6
Inward Number: ALPL/26062023/ENV-N-157

Issue Date: 30/06/2023
Inward Date: 26/06/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	22/06/2023	IS 9989:1981 (R2001)	61.7	52.9
2.	Project Site-Slurry	22/06/2023		56.3	48.1
3.	Project Site-Spining	23/06/2023		52.9	41.6
4.	Dhankuda	23/06/2023		51.6	43.7
5.	Garamsur	24/06/2023		52.7	39.3
Range				51.6-61.7	39.3-52.9
CPCB Standards- dB(A)					
Industrial Area				75	70
Commercial Area				65	55
Residential Area				55	45
Silence Zone				50	40

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----*End of Report*----

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Test Report

Stack Emission Report

Report No.: AN/SE/KEL/2023/1-7			Date: 30/06/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	Sample Quantity/ Packing	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	23/06/2023	Inward Number	ALPL/26062023/ENV-157-S1
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	26/06/2023
Date of Start of Analysis	26/06/2023	Date of Completion of Analysis	27/06/2023

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	118	IS:11255 (Part 3)
Flue gas velocity	m/s	8.65	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	12671.86	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	9657.83	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	43.7	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	191.4	IS 11255 (Part 2)
Oxide of Nitrogen (NOx)	mg/Nm^3	103.6	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	260	Gas analyser

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2023/1-8			**Date:** 30/06/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	23/06/2023	Inward Number	ALPL/26062023/ENV-157-2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	26/06/2023
Date of Start of Analysis	26/06/2023	Date of Completion of Analysis	27/06/2023

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	121	-	IS:11255 (Part 3)
Flue gas velocity	m/s	11.73	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1365.47		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1032.77		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.073	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.03	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	gm/kw-h	0.64	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	257		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2023/1-9			Date: 30/06/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	23/06/2023	Inward Number	ALPL/26062023/ENV-157-3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	26/06/2023
Date of Start of Analysis	26/06/2023	Date of Completion of Analysis	27/06/2023

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	147	-	IS:11255 (Part 3)
Flue gas velocity	m/s	15.68	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1825.92	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1295.53	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.14	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.004	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.628	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	316		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30062023/1-10 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/26062023/ENV-157-GW-1	**Analysis Start** 26/06/2023
	Inward Date	26/06/2023	**Analysis End** 30/06/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 30/06/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pastode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Project Site

Tests Required : Coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing I. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 198)	-	-	BDL(DL-2)
II	**Chemical Testing I. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.71 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	382
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.2
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	500	2000	271
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	172.94
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	166.55
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	47.68
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.53
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.94
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	7.16
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	28.43
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	9.17
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	26.43
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	7.93
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by

Sachal Raut
Deputy Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30062023/1-10 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-GW-1 **Inward Date** 26/06/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.09
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Pande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30062023/I-11 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-GW-2 **Inward Date** 26/06/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date** / **Sampling Time**	**Sampling Location**
Anacon Representative Mr. Satish Pustode	24/06/2023 / 12.30 pm to 3.10 pm	Dhankura

Tests Required : Coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.92 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	482.39
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.2
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.3
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	500	2000	
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	152.84
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	184.19
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.19
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.47
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.84
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	7.16
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	18.32
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	6.81
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	21.43
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.17
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	5.94
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Suchal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Kalbane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30062023/1-11 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-GW-2 **Inward Date** 26/06/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.18
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Pande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30062023/1-12 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/26062023/ENV-157-GW-3	**Analysis Start** 26/06/2023
	Inward Date	26/06/2023	**Analysis End** 30/06/2023
	Reference	KEL/PO.GSMPO2223.0851	**Report Issue Date** 30/06/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Garamsur

Tests Required : Coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.93 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	371.68
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.8
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.4
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	500	2000	
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	173.54
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	185.18
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	51.93
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.48
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.57
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	6.39
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	21.52
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.16
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	26.58
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.27
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	6.72
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Katdare
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30062023/1-12 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-GW-3 **Inward Date** 26/06/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.26
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30062023/1-13 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-GW-4 **Inward Date** 26/06/2023 **Reference** KEL/PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Ringnabodi

Tests Required : Coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing I. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing I. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.83 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	371.61
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.1
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) :2023	500	2000	
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	164.52
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	196.66
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	56.19
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.68
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.24
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	8.19
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	17.24
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	5.92
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	23.46
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	6.93
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatories
Pooja Kothane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30062023/1-13 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-GW-4 **Inward Date** 26/06/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pastode	**Sampling Date** 24/06/2023 **Sampling Time** 12.30 pm to 3.10 pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.18
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30062023/1-14 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/26062023/ENV-157-WW1 **Inward Date** 26/06/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water	
Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Waste Water	Inlet Water	WW-1 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Satish Pastode		**Sampling Date :** 24/06/2023 **Sampling Time :** 3.10 pm	**Sampling Location** **ETP Inlet**
Tests Required : pH , Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 2022	6.43 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	2981
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	73
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	121.54
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	81.93
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	482.91
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	138.56

NOTES : •Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BDL- Indicates Below detection limit.• DL- Indicates detection limit of instrument/method and shall be considered as "absent".

REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

Thanks for putting in your faith and trust in our services, We at Anacon Laboratories cherish our relationship.
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in order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in

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Test Report

Test Report No. : ALPL/30062023/1-15 dated 30/06/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** **Inward Date** **Reference** **Reference Date**	ALPL/26062023/ENV-157-WW-2 26/06/2023 KEL.PO.GSMPO2223.0851 21-Nov-2022	**Analysis Start** 26/06/2023 **Analysis End** 30/06/2023 **Report Issue Date** 30/06/2023 **Sample Category** Water
Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Waste Water	Outlet Water	WW-2 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Date :** 24/06/2023 **Sampling Time :** 3.25 pm	**Sampling Location** ETP Outlet
Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
1	**Chemical Testing Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 2022	6.94 at 25°C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	628	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	32.58	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	21.47	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	53.94	250
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	18.2	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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ANNEXURE – II

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (July 2023 to September 2023)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

September – 2023

Anacon Laboratories

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Test Report

Ambient Air Quality Analysis Report-September-2023

Report Code: ALPL/30092023/I-1 **Issue Date:** 30/09/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/25092023/ENV-238-AAQ-1
Sample Description	: Ambient Air
Sample Drawn On	: 21/09/2023 to 22/09/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2023
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 25/09/2023 to 26/09/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	2.8 m/sec	24	30	28	87
		24-30		28-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23):2006	64.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50):2011	31.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2):2001	11.2	µg /m^3	80 (24 hrs)
4	Oxides of Nitrogen (as NO_2)	IS:5182 (Part 6):2006	28.4	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10):1992	0.519	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	0.16	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9):1974	8.2	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1:2011	12.6	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28:2016	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29:2016	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BDL- Below detection limit. ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Radha Pawar
Chemist

Authorized Signatory

Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

ORIGINAL TEST REPORT

Anacon Laboratories

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https: // www.anaconlaboratories.com

Test Report

Ambient Air Quality Analysis Report-September-2023

Report Code: ALPL/30092023/1-2 **Issue Date:** 30/09/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/25092023/ENV-238-AAQ-2
Sample Description	: Ambient Air
Sample Drawn On	: 21/09/2023 to 22/09/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2023
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 25/09/2023 to 26/09/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	2.8 m/sec	24	30	28	87
		24-30		28-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23):2006	52.9	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50):2011	24.7	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2):2001	9.1	µg /m^3	80 (24 hrs)
4	Oxides of Nitrogen (as NO_2)	IS:5182 (Part 6):2006	17.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10):1992	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9):1974	6.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1:2011	11.2	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28:2016	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29:2016	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Mangesh Pande
Technical Manager

Radha Pawar
Chemist

Authorized Signatory

Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

ORIGINAL TEST REPORT

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Test Report

Ambient Air Quality Analysis Report-September-2023

Report Code: ALPL/30092023/1-3 **Issue Date:** 30/09/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/25092023/ENV-238-AAQ-3
Sample Description	: Ambient Air
Sample Drawn On	: 22/09/2023 to 23/09/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2023
Sampling Location	: Garamsur
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 25/09/2023 to 26/09/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	2.3 m/sec	24	28	26	91
		24-28		26-91	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23):2006	47.6	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50):2011	36.1	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2):2001	8.4	µg /m^3	80 (24 hrs)
4	Oxides of Nitrogen (as NO_2)	IS:5182 (Part 6):2006	16.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10):1992	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9):1974	5.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume I:2011	9.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28:2016	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29:2016	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Verified by

Authorized Signatory

Snehal Raut	Mangesh Fande	Radha Pawar	Dr. (Mrs.) S. D. Garway
Deputy Technical Manager	Technical Manager	Chemist	Quality Manager

----End of Report----

ORIGINAL TEST REPORT

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Test Report

Ambient Air Quality Analysis Report-September-2023

Report Code: ALPL/30092023/1-4 **Issue Date:** 30/09/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/25092023/ENV-238-AAQ-4
Sample Description	: Ambient Air
Sample Drawn On	: 22/09/2023 to 23/09/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2023
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 25/09/2023 to 26/09/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	2.3 m/sec	24	28	26	91
		24-28		26-91	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23):2006	54.8	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50):2011	17.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2):2001	9.1	µg /m^3	80 (24 hrs)
4	Oxides of Nitrogen (as NO_x)	IS:5182 (Part 6):2006	21.7	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10):1992	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9):1974	6.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1:2011	11.4	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28:2016	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29:2016	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Verified by

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Radha Pawar
Chemist

Authorized Signatory

Dr. (Mrs.) S. D. Garway
Quality Manager

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ORIGINAL TEST REPORT

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Test Report

Ambient Air Quality Analysis Report-September-2023

Report Code: ALPL/30092023/1-5 **Issue Date:** 30/09/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/25092023/ENV-238-AAQ-5
Sample Description	: Ambient Air
Sample Drawn On	: 23/09/2023 to 24/09/2023
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2023
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 25/09/2023 to 26/09/2023
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature in °C		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	2.5 m/sec	24	29	24	90
		24-29		24-90	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23):2006	56.1	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50):2011	18.7	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2):2001	11.3	µg /m^3	80 (24 hrs)
4	Oxides of Nitrogen (as NO_x)	IS:5182 (Part 6):2006	23.8	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10):1992	BDL(DL-0.5)	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10:2019	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9):1974	7.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1:2011	12.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28:2016	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29:2016	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Radha Pawar
Chemist

Authorized Signatory

Dr. (Mrs.) S. D. Garway
Quality Manager

----*End of Report*----

ORIGINAL TEST REPORT

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Test Report

Noise Study Report

Report Code: ALPL/30092023/1-6
Inward Number: ALPL/25092023/ENV-N-238

Issue Date: 30/09/2023
Inward Date: 25/09/2023

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	21/09/2023	IS 9989:1981 (R2001)	67.2	56.1
2.	Project Site-Slurry	21/09/2023		54.9	43.7
3.	Project Site-Spining	22/09/2023		51.7	41.6
4.	Dhankuda	22/09/2023		48.2	37.9
5.	Garamsur	23/09/2023		52.8	42.7
Range				48.2-67.2	37.9-56.1
CPCB Standards- dB(A)					
Industrial Area				75	70
Commercial Area				65	55
Residential Area				55	45
Silence Zone				50	40

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

ORIGINAL TEST REPORT

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Test Report

Stack Emission Report

Report No.: AN/SE/KEL/2023/1-7			**Date:** 30/09/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	22/09/2023	**Inward Number**	ALPL/25092023/ENV-238-S1
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	25/09/2023
Date of Start of Analysis	25/09/2023	**Date of Completion of Analysis**	26/09/2023

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	121	IS:11255 (Part 3)
Flue gas velocity	m/s	8.25	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	12080.75	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	9137.21	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	46.1	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	183.9	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	mg/Nm^3	112.7	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	280	Gas analyser

ORIGINAL TEST REPORT

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Verified by

Snehal Raut
Deputy Technical Manager

Authorized Signatory

Dr. (Mrs.) S. D. Garway
Quality Manager

---*End of Report*---

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2023/1-8			Date: 30/09/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	22/09/2023	Inward Number	ALPL/25092023/ENV-238-2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	25/09/2023
Date of Start of Analysis	25/09/2023	Date of Completion of Analysis	26/09/2023

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	118	--	IS:11255 (Part 3)
Flue gas velocity	m/s	12.35	--	IS:11255 (Part 3)
Total gas quantity	m^3/h	1438.46	--	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1096.32	--	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.068	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.04	--	IS 11255 (Part 2)
Oxide of Nitrogen (NOx)	gm/kw-h	0.72	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	gm/kw-h	1.267		Gas Analyser

ORIGINAL TEST REPORT

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Remark: - All Results are within Limit as per Standards.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2023/1-9			Date: 30/09/2023
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	22/09/2023	Inward Number	ALPL/25092023/ENV-238-3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	25/09/2023
Date of Start of Analysis	25/09/2023	Date of Completion of Analysis	26/09/2023

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	142	-	IS:11255 (Part 3)
Flue gas velocity	m/s	15.43	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1797.48	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1290.72	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.17	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.06	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.592	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	gm/kw-h	1.628		Gas Analyser

ORIGINAL TEST REPORT

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Remark: - All Results are within Limit as per Standards.

Verified by

Snehal Raut
Deputy Technical Manager

Authorized Signatory

Dr. (Mrs.) S. D. Garway
Quality Manager

----End of Report----

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Test Report

Test Report No. : ALPL/30092023/1-10 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-GW-1	**Analysis Start** 25/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 23/09/2023 **Sampling Time** 10.45 am to 2.20 pm		Project Site

Tests Required : Coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing I. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing I. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.16 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	416
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	500	2000	233
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	167.29
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	189.27
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	52.81
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.94
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.16
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	8.29
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	42.51
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.29
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	32.81
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.24
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	8.16
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by

Snehal Raut
Deputy Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-10 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/25092023/ENV-238-GW-1 **Inward Date** 25/09/2023 **Reference** KEL/PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 25/09/2023 **Analysis End** 30/09/2023 **Report Issue Date** 30/09/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	**Sampling Location**
Anacon Representative Mr. Satish Pustode	23/09/2023 **Sampling Time** 10.45 am to 2.20 pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.16
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

----End of Report----

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Test Report

Test Report No. : ALPL/30092023/1-11 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-GW-2	**Analysis Start** 25/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPC/2223.0851	**Report Issue Date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 23/09/2023 **Sampling Time** 10.45 am to 2.20 pm	Dhankura

Tests Required : Coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.81 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	503.84
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 2023	500	2000	282
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	158.29
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	166.08
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	47.31
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.64
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.16
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	6.58
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	17.24
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	6.53
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	26.18
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.14
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	4.87
20	Oil & grease	mg/l	IS 3025 (Part 39) : 1991	--	--	BDL(DL-4)

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Verified by

Snehal Raut
Deputy Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
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Test Report

Test Report No. : ALPL/30092023/1-11 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd.** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/25092023/ENV-238-GW-2 **Inward Date** 25/09/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 25/09/2023 **Analysis End** 30/09/2023 **Report Issue Date** 30/09/2023 **Sample Category** Water

Sample Name Ground Water	**Sample Source** Borewell	**Sample Particulars** GW-2 Ground Water	**Quantity Received** 5 L & 250ml
Sample Collected By Anacon Representative Mr. Satish Pastode	**Sampling Date** 23/09/2023 **Sampling Time** 10.45 am to 2.20 pm		**Sampling Location** Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendmeot No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.16
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● MPN indicates most probable number. ● BDL- Indicates Below detection limit. ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'

REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS: 10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092023/1-12 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-GW-3	**Analysis Start** 25/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 23/09/2023 **Sampling Time** 10.45 am to 2.20 pm	Garamsur

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.87 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	391.64
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.7
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	3.6
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	219
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	164.29
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	179.38
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	52.81
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.53
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.47
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	5.82
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	17.31
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.19
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	32.67
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.24
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	5.81
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

ORIGINAL TEST REPORT

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Verified by

Snehal Raut
Deputy Technical Manager

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-12 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/25092023/ENV-238-GW-3 **Inward Date** 25/09/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 25/09/2023 **Analysis End** 30/09/2023 **Report Issue Date** 30/09/2023 **Sample Category** Water	

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	**Sampling Location**
Anacon Representative Mr. Satish Pustode	23/09/2023 **Sampling Time** 10.45 am to 2.20 pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues in Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.26
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Mangesh Faade
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

----End of Report----

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Test Report

Test Report No. : ALPL/30092023/1-13 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-GW-4	**Analysis Start** 25/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue Date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Water

Sample Name Ground Water	**Sample Source** Borewell	**Sample Particulars** GW-4 Ground Water	**Quantity Received** 5 L & 250ml
Sample Collected By Anacon Representative Mr. Satish Pustode	**Sampling Date** **Sampling Time**	23/09/2023 10.45 am to 2.20 pm	**Sampling Location** Ringnabodi

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing I. Water**					
1	Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing I. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.13 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	–	–	409.37
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	–	–	6.2
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	229
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	–	–	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	171.62
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	182.11
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.28
12	Magnesium (as Mg)	mg/l	IS: 3025 (Part 46) : 1994	30	100	11.91
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	–	–	1.46
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	–	–	7.82
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	18.37
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	6.19
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	21.52
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	–	–	7.29
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	–	–	BDL(DL-4)

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Verified by

Suchal Raut
Deputy Technical Manager

Authorized Signatories

Pooja Kalhane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-13 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/25092023/ENV-238-GW-4 **Inward Date** 25/09/2023 **Reference** KEL/PO/GSMPO2223/0851 **Reference Date** 21-Nov-2022	**Analysis Start** 25/09/2023 **Analysis End** 30/09/2023 **Report Issue Date** 30/09/2023 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		Sampling Location
Anacon Representative Mr. Satish Pustode	**Sampling Date** 23/09/2023 **Sampling Time** 10.45 am to 2.20 pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 2) : 2019	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 2022	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS 3025 (Part 2) : 2019	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Mangesh Faude
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092023/1-14 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/25092023/ENV-238-WW1 **Inward Date** 25/09/2023 **Reference** KEL.PO.GSMPO2223.0851 **Reference Date** 21-Nov-2022	**Analysis Start** 26/09/2023 **Analysis End** 30/09/2023 **Report Issue Date** 30/09/2023 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By Anacon Representative Mr. Satish Pustode	**Sampling Date :** 23/09/2023 **Sampling Time :** 10.20 am	**Sampling Location** **STP Inlet**

Tests Required : pH , Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	Chemical Testing Pollution & Environment			
1	pH	-	IS 3025 (Part 11) : 2022	6.57 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	2194
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	36
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	113.94
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	64.28
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	416.58
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	118.29

ORIGINAL TEST REPORT

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

----End of Report----

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Test Report

Test Report No. : ALPL/30092023/1-15 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** **Inward Date** **Reference** **Reference Date**	ALPL/25092023/ENV-238-WW2 25/09/2023 KEL.PO.GSMPO2223.0851 21-Nov-2022	**Analysis Start** 26/09/2023 **Analysis End** 30/09/2023 **Report Issue Date** 30/09/2023 **Sample Category** Water
Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Waste Water	Outlet Water	WW-2 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Date :** 23/09/2023 **Sampling Time :** 10.20 am	**Sampling Location** STP Outlet
Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
1	**Chemical Testing Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 2022	6.87 at 25°C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	1258	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	24.93	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	16.52	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	48.29	250
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	16.57	30

ORIGINAL TEST REPORT

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by

Snehal Raut
Deputy Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092023/1-16 dated 30/09/2023

Issued To :			
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	ALPL/25092023/ENV-238-SI	Analysis Start 26/09/2023
	Inward Date	25/09/2023	Analysis End 30/09/2023
	Reference	KEL/PO.GSMPO2223.0851	Report Issue date 30/09/2023
	Reference Date	21-Nov-2022	Sample Category Soil
Sample Name Soil	Sampling Date : 23/09/2023 Sampling Time : 2.45 pm to 5.20 pm		Quantity Received 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		Sampling Location SI-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.24
2	Bulk density	g/cm3	Lab-SOP	1.592
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.48
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.81
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.57
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	20.62
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Silty Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.53 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	381.94
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	481.52
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	136.29
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	94.76
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	62.81
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	394.73
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	452.81

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-16 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-SI	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name **Soil**	**Sampling Date :** 23/09/2023 **Sampling Time :** 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.29
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.24
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.52
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	52.91
18	Sodium adsorption ratio	-	By Calculation	1.27
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.163
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.37
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.81
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.43
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	372.81
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18

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Verified By
Suchal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-16 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-SI	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223/0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date :** 23/09/2023 **Sampling Time :** 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** SI-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.192
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	14.82
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.957
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.16
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.593
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.281
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.638
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30/09/2023/1-17 dated 30/09/2023

Issued To :	Sample Inward No.	ALPL/25/09/2023/ENV-238-S2	Analysis Start	26/09/2023
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Inward Date	25/09/2023	Analysis End	30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	Report Issue date	30/09/2023
	Reference Date	21-Nov-2022	Sample Category	Soil
Sample Name Soil	Sampling Date : 23/09/2023 Sampling Time : 2.45 pm to 5.20 pm		Quantity Received 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode			Sampling Location S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	16.91
2	Bulk density	g/cm3	Lab-SOP	1.627
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	24.81
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.59
	Silt -	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.16
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	20.25
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.92 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	187.26
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.58
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	91.37
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	452.81
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	268.59
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	181.68
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	153.9)

Original Test Report

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-17 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-S2	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date :** 23/09/2023 **Sampling Time :** 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	241.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	113.94
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	238.51
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.46
18	Sodium adsorption ratio	-	By Calculation	11.94
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.38
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.24
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	126.76
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.29
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	321.54
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-17 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-S2	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMP(O2223.0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date** : 23/09/2023 **Sampling Time** : 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pastode		**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.241
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.68
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.417
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.92
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.381
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.247
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.128
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-18 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-S3	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL/PO/GSMPO2223/0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date :** 23/09/2023 **Sampling Time :** 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S3- Chakdoh	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	18.17
2	Bulk density	g/cm3	Lab-SOP	1.629
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.46
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.57
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.46
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.97
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.82 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	271.64
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	452.38
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	87.91
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.82
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	141.68
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	182.76
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.39

Original Test Report

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-18 dated 30/09/2023

Issued To :	Sample Inward No.	ALPL/2509202/ENV-238-S3	Analysis Start	26/09/2023
M/s Keltech Energies Ltd,	Inward Date	25/09/2023	Analysis End	30/09/2023
Village-Garamsur, Teh-Katol,	Reference	KEL.PO.GSMPO2223.0851	Report Issue date	30/09/2023
Dist - Nagpur-441 103,	Reference Date	21-Nov-2022	Sample Category	Soil
Sample Name: Soil	Sampling Date : 23/09/2023 Sampling Time : 2.45 pm to 5.20 pm		Quantity Received: 1 Kg	
Sample Collected By: Anacon Representative Mr. Satish Pustode		Sampling Location: S3- Chakdoh		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	138.27
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.92
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.81
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46.27
18	Sodium adsorption ratio	-	By Calculation	16.43
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.38
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.16
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.91
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.58
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	241.76
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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+ 91 8045685556 Email : info@anacon.in
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Test Report

Test Report No. : ALPL/30092023/1-18 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-S3	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL.PO.GSMPO2223.0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date :** 23/09/2023 **Sampling Time :** 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S3- Chakdoh	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.351
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.81
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.874
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.93
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.728
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.921
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.716
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

Original Test Report

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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+ 91 8045685588 Email : info@anacon.in
https: // www.anaconlaboratories.com

Test Report

Test Report No. : ALPL/30092023/1-19 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-S4	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL/PO.GSMPO2223.0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date** : 23/09/2023 **Sampling Time** : 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	24.73
2	Bulk density	g/cm3	Lab-SOP	1.392
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.81
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.94
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.17
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	20.89
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.82 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.57
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	429.16
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.57
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	371.93
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	281.46
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.81
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	109.27

ORIGINAL TEST REPORT

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Verified By

Snehal Raut
Deputy Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-19 dated 30/09/2023

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/25092023/ENV-238-S4	**Analysis Start** 26/09/2023
	Inward Date	25/09/2023	**Analysis End** 30/09/2023
	Reference	KEL_PO GSMPO2223.0851	**Report Issue date** 30/09/2023
	Reference Date	21-Nov-2022	**Sample Category** Soil
Sample Name Soil	**Sampling Date** : 23/09/2023 **Sampling Time** : 2.45 pm to 5.20 pm		**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	156.27
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.58
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	237.16
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.19
18	Sodium adsorption ratio	-	By Calculation	18.24
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.61
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.37
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	191.52
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	312.58
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18

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Verified By
Snehal Raut
Deputy Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092023/1-19 dated 30/09/2023

Issued To :	Sample Inward No.	ALPL/25092023/ENV-238-S4	Analysis Start	26/09/2023
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Inward Date	25/09/2023	Analysis End	30/09/2023
	Reference	KEL/PO.GSMPO2223.0851	Report Issue date	30/09/2023
	Reference Date	21-Nov-2022	Sample Category	Soil

Sample Name	Sampling Date : 23/09/2023 Sampling Time : 2.45 pm to 5.20 pm	Quantity Received
Soil		1 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Satish Pustode	S4- Ringnabodi

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.191
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.54
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.317
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.19
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.726
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.821
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.168
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

ORIGINAL REPORT

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Mangesh Fande
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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ANNEXURE III

ADVERTISEMENT OF EC

Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

Please find attachment of Advertisement in two local newspapers

1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

जाहिर सूचना

सार्वजनिक रूप से यह सूचित किया जाता है कि,ग्राम गरमसुर, पोस्ट दुधाला,तहसील कांटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC) के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील कांटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृतीची प्रत पर्यावरण, वन व हवामान बदल मंत्रालयाने कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Keltech Energies Ltd.		
Project Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2,151/1, 165,, Vill Garamsur, Ta. Katol,, Dist. Nagpur Pin 441302		
Village:	Garamsur	Block:	Katol
District:	Nagpur	State:	Maharashtra
Pin Code:			
Communication Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2, 151/1, 165,, Villge, Garamsur Taluka Katol, Dist. Nagpur, Katol, Nagpur, Maharashtra - 441302		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1.	**NOC No.:**	CGWA/NOC/IND/REN/2/2022/7362			
2.	Application No.:	21-4/815/MH/IND/2017	3.	Category: (GWRE 2020)	Semi Critical
4.	Project Status:	Existing Ground Water	5.	NOC Type:	Renewal
6.	**Valid from:**	23/10/2022	7.	**Valid up to:**	22/10/2025

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
80.00	24000.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:3						**Total Proposed No.:0**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	3	0	0	0	0	0	0	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10. Ground Water Abstraction/Restoration Charges paid (Rs.): 24000.00

11. Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.

No. of Piezometers	Monitoring Mechanism		
	Manual	DWLR**	DWLR With Telemetry
1	0	1	0

**DWLR - Digital Water Level Recorder

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCE list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

J.B.M ENTERPRISES

MOUZA- SELU, P.H.NO. 25, WARD NO.2,
H.O.NO. 267, BLOCK NO.2, TH. KALMESHWAR,
NAGPUR-441501
Phone : 07122549996 Fax : 0712-2549996 E-Mail : jbm_cnf@hotmail.com

GST INVOICE

DL.No. 20B-MH-NAG-336807,21B-MH-NAG-336806 GSTIN : 27ADHPD2481Q1Z5 FSSI NO:11520058000367

M/s KELTECH ENERGIES LTD
VILLAGE:GARAMSUR,P.O.DHUDHALA,TH.KATOL-441108
DIST-NAGPUR. State : 27

D.L.No.:
GSTIN : 27AAACK4709A1Z7

Invoice No.: **M/00141** **Date : 04/05/2021**
Order No. : Date : 04/05/2021
L.R. No. : Date : 04/05/2021
Cases : 0
Transport :
Due Date : 25/05/2021

S.	HSN	Product	Pack	Mfr.	Batch	Exp.	Qty.	Free	Disc.	M.R.P.	RATE	P.T.R	SGST	CGST	Amount
1	3808	INSTADIS BLUE	100ml	SPE	IDB036	9/23	1250	0	0.00	50.00	21.00	0.00	9.00	9.00	26250
2	3808	INSTADIS C+G	100ML	SPE	IDC020	8/23	245	0	0.00	50.00	21.00	0.00	9.00	9.00	5145.0

0296
07/05/2021
00374
07/05/2021

GST %	Taxble Amt	Tax Amt.	Taxble Amt	Tax Amt		
0.00%	0.00	0.00	0.00	0.00	SUB TOTAL.	31500.00
5.00%	0.00	0.00	0.00	0.00	DISCOUNT	0.00
12.00%	0.00	0.00	0.00	0.00	ADD CGST	2835.00
18.00%	31500.00	2835.00	31500.00	2835.00	ADD SGST	2835.00
28.00%	0.00	0.00	0.00	0.00	CR/DR Adj.	0.00
					GRAND TOTAL	**37170.00**

Rs Thirty Seven Thousand One Hundred Seventy Only

I/We hereby certify that my/our registration certificate, under the INDIA GST Act ,2016 is in force on the date on which sale of goods specified in this Tax Invoice is made by me/us and that the transaction of sale covered by this bill/invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Terms & Conditions

1).Intrest @ 2% P.M. will be charged from the date of invoice if Payment does not reach in time.
2).Our Responsibility ceses as soon as the goods Leave our Premises.
3).Subject to NAGPUR Jurisdiction.
4).Payment will be made by only cheque/RTGS or DD. NO CASH transaction.
5).All Payment Should Be Made in favour of **J.B.M ENTERPRISES.**

37170/-

For **J.B.M ENTERPRISES**

Authorised signatory

TAX INVOICE

M. I. Engineering Stores " Saify Mansion ", Beside Siddarth Hotel , 89 , C.A . Road , Nagpur GSTIN/UIN: 27ADDPI3636A1ZG State Name : Maharashtra, Code : 27 E-Mail : mi_engg14@rediffmail.com	Invoice No. MI/21-22/41 Dated 4-May-2021 Delivery Note Mode/Terms of Payment Supplier's Ref. MI/21-22/41 Other Reference(s) Buyer's Order No. Dated Despatch Document No. Delivery Note Date Despatched through Destination Terms of Delivery

Buyer
KELTECH ENERGIES LIMITED
NAGPUR
GSTIN/UIN : 27AAACK4702A1Z7
State Name : Maharashtra, Code : 27

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc %	Amount
1	Nose Mask Cotton	6307	1,300.00 Nos	11.00	Nos		14,300.00
	CGST ON SALES 2.5			2.50	%		357.50
	SGST ON SALES 2.5			2.50	%		357.50
	Total		1,300.00 Nos				₹ 15,015.00

0295
07/05/2021
0373
07/05/2021

Amount Chargeable (in words) E. & O.E
INR Fifteen Thousand Fifteen Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
6307	14,300.00	2.50%	357.50	2.50%	357.50	715.00
Total	14,300.00		357.50		357.50	715.00

Tax Amount (in words) : INR Seven Hundred Fifteen Only

for M. I. Engineering Stores

Authorised Signatory

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

This is a Computer Generated Invoice

'Confidential and for private circulation only'

Note on LITAA Incubation Center

August 30, 2021

1. **Objective**
   This document is meant for LITAA members about various aspects of proposed incubation center @LIT, Nagpur

2. **Vision**
   To create a vibrant and sustainable ecosystem on LIT campus and Central India for nurturing and enrichment of Creativity, Innovation and Entrepreneurship in thriving start-up ecosystem

3. **Mission**
   We are committed to nurture and support creativity, innovation and entrepreneurship amongst students, faculty members, alumni and other aspirants for establishment and growth of technology businesses to meet the social obligations and economic & financial growth of our communities

4. **What is proposed @ LIT Incubation center?**
   Proposed LIT incubation center will

   - Support Seed / idea and early stage companies promoted by LIT students, faculty and alumni to help start commercial operations.
   - Support Sponsored projects/ideas from industries belonging to LIT alumni and others
   - Help set up Centre of Excellence (CoE) – extended R&D of companies for close collaboration amongst students, faculty and industry
   - Conduct technology seminars, business plan conferences, trade events, knowledge sharing events, training etc.

5. **Focus areas of LIT Incubation Center**
   It is proposed to focus primarily on areas related to Chemical Engineering and Technology (Food, Oil, Petrochemicals, Surface Coating, Plastic & polymer and Paper & pulp) with special emphasize on –
   - Ecology friendly technologies e.g. renewable energy, pollution control (air, water & soil)
   - Waste to Wealth
   - Nano technology
   - Quantum computing
   - Instrumentation – break through applications

   The above is illustrative list and shall be modified depending upon market response.

6. **What infrastructure anticipated and needed for LIT Incubation Centre?**
   The facility should provide
   a) Basic Constructed space preferable admeasuring 5000 sq ft floor space.
   b) A creative office ambiance for the incubatee with supporting office infrastructure,
   c) Knowledge, Expertise support, Guidance from faculty members of the institute.
   d) Full-fledged equipped Laboratories and pilot plants (Two such are already in place donated by our alumni) to conduct experiments and pilot trial to create readiness for eventual commercial scaled-up.
   e) Business network & mentoring from global alumni and hand holding for initial commercial operation.

7. **Who are partnering with this LIT Incubation Centre?**
   It will be a joint effort of
   a) **The Institute** – Laxminarayan Institute of Technology - to provide 6 (a), 6 (c) part of 6 (d) above
   b) **An NGO –** LIT Alumni Association (LITAA) to provide - 6(b) part of 6(d) and 6(e) above and would be an Active partner who would actively help operations of the Incubation center.
   c) **Section 8 organization (Not for Profit section 8 Company) –** LITAA Technovation Foundation (LITF) This is to create eligibility for the incubation Centre to seek financial grants under Atal Innovation Mission (https://aim.gov.in/), Maharashtra State Innovation Society (https://www.msins.in/) and other Government Institutions/Agencies. The eligibility for application was for such combination of three partners with specifically allocated 5000 sq ft area for this exclusive activity.

8. **What would be the Governing body for this LIT incubation Centre?**
   It is proposed to have eleven members committee to closely govern the activities of LIT incubation Centre.
   The proposed members are:
   a) Director of the Institute- LIT – 1 member.
   b) One Faculty member each from Chemical Engineering and Chemical Technology – 2 Members
   c) All Office bearers of LITAA (viz. Chairman, Vice Chairman, Secretary, Joint Secretary & Treasurer) and two members nominated by Executive Committee of LITAA– 7 Members
   d) One Director LITF - Incubation Project Director – 1 Member

9. **Roles of LIT, LITAA and LITF**
   LIT, LITAA and LITF have signed comprehensive exclusive MoU about their roles and responsibilities.

10. **How will LIT Incubation Center operate?**
    - CEO/GM of Incubation center will work under overall guidance of Governing Body
    - The center will have experienced professionals managing the day-to- day operations
    - Projects/incubation ideas will be approved by the Governing body
    - The center will conduct Ideation Competition and Business plan competitions on theme based cohorts on regular basis to select incubatees
    - Renowned Jury members shall select the incubatees under transparent process
    - Only the short listed companies/projects will be incubated
    - Create panel of Subject Matter Experts from amongst LIT alumni & industry to help incubatees
    - Tie-up with other incubation centers in and around Nagpur to create & nurture start-up ecosystem
    - Help incubatee companies with panel of outsourced professionals in accounting, secretarial and legal including Patents, IPRs, Copyrights, Brands etc.
    - Detailed policies and Standard Operating Procedures are available for review

11. What is the project progress status ?

Followings are the achievements so far on this project.

a) Application to seek grant of Rs. 5 Crores from Maharashtra State Innovation Society was submitted during July 2019, however due to change of Government during November 2019, the activities and considerations for grants were held. (The same has been now under consideration from February 2021.) LITAA was estimated to contribute Rs. 2 Crore through alumni donation and therefore a Rs. 7 Crores project was estimated in this application to MSINS.

b) 25 potential donors, members of LITAA came forward to contribute over Rs. 2 Crores for the purpose of setting up incubation center was looking a reality soon.

c) As there was no response from MSINS, It was proposed to have a very humble start on this activity and with only donation from Alumni and take the application for grants at later date.(As these schemes have been reinstalled by the Governments earlier on many occasions.)

d) RTMNU was approached to allocate any constructed smaller area which can eventually be extended to 5000 sq ft. as and when needed.

e) RTMNU has allocated a constructed area for this activity (Earlier Badminton hall next to canteen) admeasuring approximately 2000 sq.ft carpet area. The hall has a height of almost 34 ft and by constructing a mezzanine floor without making any changes to existing structure, a floor area of 5000 sq. ft would be built in this premises.

f) Formed a Section 8 company under the name LITAA Technovation Foundation (LITF) having main objects as promotion of Science, Technology, Research, Entrepreneurship, Incubation center and Social objectives. All the office bearer and Incubation project head are the directors of this section 8, **Not-for-Profit Company.**

g) A detailed architectural master plan to build 5000 sq ft area has been worked out with cost estimates. Approximate amount of Rs. 3.50 Crores is estimated by the architect to create a state-of-an-art infrastructure of 5000 sqft area. This may be done in three or four phases and over next 24-36 months and depending on the funds collection from Alumni.

   As it seems the immediate requirement is estimated at Rs. 45-50 lacs only for infrastructure to initiate this activity in a very humble way. The yearly operating expenses would be Rs. 7-10 lakhs for the next two years and the center is expected to start generating revenue of it's own post this period with at least 5-6 success stories under the center during two years.

h) 3D model and walkthrough for the same has been prepared. The same gives the glimpses of the proposed facility to all stakeholder and also to seek donation from the esteemed members of our association.
   (https://www.youtube.com/watch?v=D4KI3pojxqM&t=22s)

i) Foundation laying and Bhomi Pujan ceremony was solemnized on August 22, 2021 gracious presence of Honorable Vice Chancellor of RTM Nagpur University, Dr. Subhash Chaudhary; Dr. Raju Mankar, Director, LIT; Ajay Deshpande, Chairman, LITAA; Madhav Labhe, Vice Chairman, LITAA; Arun Lanjewar, Secretary, LITAA; Vinod Kalkotwar, Project Director & LITAA South; and other LITAA EC member, Faculty members, Students etc.

12. Any incubation centre existing on these lines?

- ✓ Yes! College of Engineering, Guindy - Chennai (https://ceg.annauniv.edu/) has similar setup and operating at Chennai for about past 3 years. CEG is 225 year old engineering college with excellent track record and over 100,000 alumni spread across the globe.

13. Wall of Fame @LIT Incubation Center

It is proposed to create 'Wall of Fame' at the LIT Incubation center, where in each and every Donors' name will be prominently etched

The various categories of Donors proposed are

- Platinum – Donation of Rs. 25 lakhs and above
- Diamond – Donation of Rs. 10 lakhs but less than Rs. 25 lakhs
- Gold – Donation of Rs. 5 lakhs but less than Rs.10 lakhs
- Silver - Donation of Rs. 3 lakhs but less than Rs. 5 lakhs
- Bronze – Donation of Rs. 1 lakh but less than Rs. 3 lakhs

14. Appeal to Alumni

You are requested to donate generously to LITAA for creation of LITAA Incubation Center. Your donations are eligible for IT benefits under section 80G of IT Act. Even companies belonging to alumni can donate to LITAA under CSR/CER activities.

Remittance details are –

Account name – LIT Alumni Association
Account number – **50100173216416**
Bank – HDFC Bank Ltd.
Branch – South Ambazari Road, Laxminagar, Nagpur 440022
IFSC Code – **HDFC0003358**

Do mention 'Donation of LIT Incubation Center' in remittance instructions.

KELTECH ENERGIES LTD.

7th Flr, Embassy Icon, #3 Infantry Rd, Bengaluru Bengaluru

Bank Payment [BANK(BNGGUR] Voucher

Voucher No. : BNG/BPV/2122/6567 **Date:** 24/12/21

Particulars			Debit Amount	Credit Amount
	LIT Incubation Center	*Dr*	1,200,000.00	
To	State Bank of India			1,200,000.00
	Cheque No. ONLINE Dated: 20/12/21			
	Cheque No: ONLINE Dated: 20/12/21			
Narration :				
	Being Amount Paid under CER towards Financial Support to LIT Incubation Centre - through ONLINE FVO. "LIT ALUMNI ASSOCIATION" UTR No.: SBINR12021122057589067 Dtd.20/12/2021			
Amount (in words):				
Rs. TWELVE LAKH RUPEES AND ZERO PAISA ONLY			1,200,000.00	1,200,000.00

Prepared by: **Checked by:** **Approved by:**

जिल्हा परिषद प्राथमिक शाळा

माहुरखोरा

पं.स. काटोल जि.प. नागपूर

UDISE No. : 27090207401

युवराज घोडे
मुख्याध्यापक
9822936613

पत्ता-मु. माहुरखोरा पो. दुधाळा, ता. काटोल, जि. नागपूर-४४११०३

दिनांक

पत्रक्रमांक.

जि. प. प्रा. शाळा माहुरखोरा पं.स. काटोल

प्रति,

मा. व्यवस्थापकसाहेब
केलटेक एनर्जीके लिमिटेड, गरमसूर

विषय :- केलटेक कंपनीच्या तर्फे डिजीटल साहित्य मिळण्याबाबत

जि. प. प्राथमिक शाळा, माहुरखोरा शाळेने मागणी केल्याप्रमाणे केलटेक एनर्जीके लिमिटेड - गरमसूर कडून शाळेला आज दि. 24 जानेवारी 2022 ला डिजिटल साहित्य प्रदान करण्यात आले.

शाळेप्रति कंपनीची असलेली स्नेह भावना कायम ठेवून ती भविष्यात वृद्धींगत व्हावी ही अपेक्षा ठेवून शाळेच्या वतीने कंपनीचे मनपूर्वक धन्यवाद !

माहुरखोरा
दि. 24.01.2022

अध्यक्ष / सचिव
शाळा व्यवस्थापन समिती
जि. प. प्राथ. शाळा माहुरखोरा
पं. स. काटोल ; जि. नागपूर

मुख्याध्यापक
जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

TAX INVOICE ORIGINAL FOR RECIPIENT

Nagpur's Best Industrial Solutions.

R V Multi Tech Engineers
C/o SG SUPERBLEND[FORMALY KNOWN AS SG POLYMERS & PACKAGING[29/30, Mauli Nagar, Near Pooja kata, kalol bypass road, wardi, Nagpur, Maharashtra
GSTIN: 27CKMPB0109H1ZJ Mobile: 9028992246

Invoice No.	Invoice Date	Due Date
RVMTE/2021-22/171	19-02-2022	26-02-2022

P.O. No.
GSMP02122.0754 DATE:- 10/02/2022

BILL TO

KELTECH ENERGIES LIMITED.
Address: 140/1, 140/2, Post Dudhala, Garamsur Tah: Katol,Nagpur- 441108 Garamsur, Maharashtra
GSTIN: 27AAACK4702A1Z7 Place of Supply: Maharashtra

SHIP TO

KELTECH ENERGIES LIMITED.
Address: 140/1, 140/2, Post Dudhala, Garamsur Tah: Katol (Nagpur- 441108) Garamsur, Maharashtra

S.No.	ITEMS	QTY.	RATE	TAX	AMOUNT
1	VACCINE CARRIER 1.6LTR	5.0 PCS	2000.0	1800.0 (18.0%)	11800.0
	TOTAL	5		₹ 1800.0	₹ 11800
	RECEIVED AMOUNT				₹ 0
	BALANCE AMOUNT				₹ 11800
	PREVIOUS BALANCE				₹ 133319.6
	CURRENT BALANCE				₹ 145119.6

under CER authority

GRN No/.. 2923
22/2/2022
4867
22/2/2022

ENTERED FOR ₹ 11800/-

HSN/SAC	Taxable Value	CGST		SGST		Cess	Total Tax Amount
		Rate	Amount	Rate	Amount		
-	10000.0	9.0%	900.0	9.0%	900.0	0.0	₹ 1800.0

Invoice Amount (In words): Eleven Thousand Eight Hundred Rupees

Bank Details

Name: R V MULTI TECH ENGINEERS
IFSC Code: KKBK0001033
Account No: 3014072560
Bank: Kotak Mahindra Bank,DHATARPETH BRANCH

Terms and Conditions

Authorised Signatory For
R V Multi Tech Engineers

25/2/2022.

To,

The Manager,
Keltech Energies Ltd
Berhampur

Sub :- About receiving of four Vaccine Carrier.

Respected Sir,

Four Vaccine Carriers given by Keltech Energies Ltd received by PHC Kondhali on 25/2/2022.

Thanking you,

Sidhanta
हस्ताक्षरकर्ता
प्र.स्वा.के.केन्द्र, कोंडाली
ब्लॉक चिकित्सा अधिकारी

कार्यालय

ग्राम पंचायत गरमसुर

पंचायत समिति कामठी, जिल्हा परिषद नागपूर

जा.क. .....

दिनांक 23/3/2022

प्रति,

मा. व्यवस्थापक

~~श्री साई~~ श्री साई एनर्जी लिमिटेड

गरमसुर

विषय :- ग्रामपंचायत गरमसुर मौजा ग्रा.पं-भवन कांद्रा पि॥ कोंढाळा ग्राम पुर्ण आत्मसात

महोदय,

उपरोक्त विषयान्वये सनुकरवत आपणास कळविण्यात येते की ग्रामपंचायत गरमसुर मौजा ग्रामपंचायत भवन कांद्रा पि॥ कोंढाळा ग्राम श्री साई एनर्जी लिमिटेड गरमसुर यांचेत पुर्ण करण्यात आले आहे. करिता आपले प्रमाणपत्र देण्यात येत आहे.

करिता आपली माहितीस्तव सविनय सादर

सरपंच
ग्राम पंचायत गरमसुर
प.स.कामठी, जि.प.नागपूर

सचिव
ग्राम पंचायत गरमसुर
प.स.कामठी, जि.प.नागपूर

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान,
नागपूर ४४००१० (भारत)
Visvesvaraya National Institute
of Technology, Nagpur - 440 010

Dr. Sachin Mandavgane
Associate Professor & Head
Department of Chemical Engineering

: 0712-2801563
: 98232 46329
: sam@che.vnit.ac.in, head@che.vnit.ac
: mandavgane@gmail.com
: vnit.ac.in/chemical/

CHE-583
31/05/2022
31.5.2022

Dr. Atul P Dwivedi
Manager- Technology and R&D
KELTECH ENERGIES LIMITED,
Garamsur, Nagpur

Subject: Thanks for the donation

Dear Dr Atul,

I am thankful to Keltech Energies Limited Management !

VNIT is in receipt of your donation of Rs 10 lakhs for the courses/activities related to sustainability, safety and environment.

This support by KELTECH will surely help VNIT in conducting more activities in the area of sustainability, carbon accounting, process safety and life cycle thinking.

I take this opportunity to invite KELTECH Management and you to the Chemical Engineering Department of VNIT Nagpur.

Regards

Sachin Mandavgane

Department of Chemical Engineering * V.N.I.T. NAGPUR

प्रति,

व्यवस्थापक

कोल्हेक एनर्जी लिमिटेड कंपनी, गरमसूर.

विषय :- प्रा. शा. गरमसूर शालेपयोगी सुलभ सुविधांना स्वेटर मिळण्याबाबत.

महोदय,

सविनय विनंती अर्ज सादर करण्यात येते की, वि. प्राथ शाळा गरमसूर येथील शाळेत एकूण ३१ विद्यार्थी शिकत असून सदर विद्यार्थ्यांना अतिथंडीमुळे व डोंगराळ भाग असल्यामुळे विद्यार्थ्यांना थंडीचा बराच त्रास होतो

तरी आपण सुलभ सुविधांचा सहानुभूतीपूर्वक विचार करून सुलभ थंडीपासून बचाव करण्याकरिता त्यांना स्वेटर उपलब्ध करून द्यावेत ही विनंती

ठिकाण :- गरमसूर.

दि. - 30.10.2023

मुख्याध्यापक
जि.प.प्राथमिक शाळा, गरमसूर
पं.स.काटोल

BILL OF SUPPLY

RAJESH & SONS
UNIFORM

Shri Laxmi Apt. Zenda Chowk, Dharampeth, Nagpur - 440010
Mob : 9922702036 / 9096389140 Email : rajeshandsons@gmail.com

GST NO. : 27AYFPK1189D1ZH **P.O. No. (0962 01/11/23)**

M/s KELTECH ENERGIES LTD
149/1 149/2 POST DUDHALA
GARAMSUR KATOL NAGPUR

INVOICE No. INV009/23-24 Date 06/11/23
HSN ~~ORDER No.~~ 6211 Date
Our D.M. No. Date

Sr. No.	Particulars	Qty.	Rate	Amount
1)	KIDS SWEATER (INC. ALL SIZE & EMBEROIEDRY)	31	440 L	13690 4
	CSR & 07.11.23		CGST 2.5%	341 L
			SGST 2.5%	341 /-
			GRAND TOTAL	14.322 /-

Rupees FOURTEEN THOUSAND THREE HUNDRED & TWENTY TWO RS. ONLY /- E.&O.E.

- Subject to Nagpur Jurisdiction only

N.D. Bore
Receivers Signature & Date

For Rajesh & Sons Uniform
Authorised Signatory

प्रति.

मा. शाखा व्यवस्थापक

वेस्टेक एनर्जी लिमिटेड कंपनी.

चाकण.

महोदय,

आपणास आम्ही जि.प. शाळा, डारमखुर्द या वतीने सुचांगुलीं करीत स्वेटरची आवश्यकता असल्याबाबतचे पत्र देऊन स्वेटरची मागणी केलेली होती.

त्या अनुषंगाने आपण आमची मागणी मान्य करून आज दिनांक 6/12/2023 ला मागणीनुसार विद्यार्थ्यांसाठी 39 स्वेटर उपलब्ध करून दिल्याने मी प्रत्यक्ष विद्यार्थ्यांना वाटप करण्यात आले.

त्या निमित्त आपल्या कंपनीचे धन्यवाद व शाळेच्या वतीने खुप खुप आभार

धन्यवाद...

दि:- 6/12/2023

स्थळ:- जि.प. शाळा, डारमखुर्द.

मुख्याध्यापक
जि.प.प्राथमिक शाळा, डारमखुर्द
पं.स.काटोल

प्रति,

मा. व्यवस्थापक साहेब,
कोलटेक्स एनर्जी लिमिटेड कंपनी, गरमसूर

विषय :- प्रा.शा. माहुरखोरा शाळेला कंप्युटर प्रिंटर साहित्य मिळण्याबाबत.

महोदय,

सविनय पूर्वक विनंती करण्यात येते की, जि. प्रा. शाळा, माहुरखोरा ही ग्रामपंचायत गरमसूर वस्तीचा भाग आहे. शाळेत एकूण ५८ विद्यार्थी शिकतात. आपल्या सौजन्यातून शाळेला कंप्युटर संच प्रदान करण्यात आला आहे.

त्या कंप्युटर ला प्रिंटर मशीन ची आवश्यकता आहे. जेने करुन शाळेचे काम सोईस्कर होईल. तरी आपण कृपया शाळेला एक प्रिंटर मशीन देण्याचे करावे.

ही नम्र विनंती.

स्थळ- माहुरखोरा
दि. 01.11.2023

मुख्याध्यापक
जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

GSTIN : 27BVDPK0346L1ZI *Original Copy*

TAX INVOICE

KOTHARI COMPUTER AND ELECTRICALS

OPP. SADACHAR HALL, NEAR AGAPE HOUSE,, DATTAWADI, WADI, NAGPUR
MO-7559355810, 9028493990
email : kotharicomputer.ele@gmail.com

COMPUTER SALES AND SERVICE

Party Details :
KELTECH ENERGIES LIMITED
149/1 149/2, POST DUDHALA, GARAMSUR
TEH: KATOL, NAGPUR 441103

Party E-Mail ID :
Party Mobile No :
Party Pincode :
GSTIN / UIN : 27AAACK4702A1Z7

Invoice No. : 2023-24/122Cr
Dated : 03-11-2023
Place of Supply : Maharashtra (27)
Reverse Charge : N

Quotation No. :

S.N.	Description of Goods	HSN/SAC Code	Qty.	Unit	Price	CGST Rate	CGST Amount	SGST Rate	SGST Amount	Amount( )
1.	Printer Canon 6030	8443	1.00	Pcs.	11,800.00	9.00 %	1,062.00	9.00 %	1,062.00	13,924.00
		Grand Total	1.00	Pcs.						13,924.00

HSN/SAC	Tax Rate	Taxable Amt.	CGST Amt.	SGST Amt.	Total Tax
8443	18%	11,800.00	1,062.00	1,062.00	2,124.00

Rupees Thirteen Thousand Nine Hundred Twenty Four Only

Declaration

I/We hereby certify that our registration certificate under the Maharashtra Value Added Tax Act, 2002 is in force on the date on which the sales of the goods specified in this 'Tax Invoice' is made by me/us and that the transaction of sale covered by this 'Tax Invoice' has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Bank Details : BANK- ICICI BANK, ACC. NO- 146405500355
IFSC - ICIC0001464 BRANCH- SAVNER

Terms & Conditions
E.& O.E.
1. Goods once sold will not be taken back.
2. Warranty will be provided by company service centre only, As per companies service rules and regulation
3. Subject to 'Maharashtra' Jurisdiction only.

Receiver's Signature :

for KOTHARI COMPUTER AND ELECTRICALS

Authorised Signatory

03.11.2023

CSR

03.11.23

प्रति,

मा. व्यवस्थापक साहेब
केमटेक रिनर्जिस लिमिटेड, गरमसूर

विषय :- शाळेला कंप्यूटर प्रिंटर प्राप्त झाल्याबाबत

सप्रेम,

जि. प. प्राथमिक शाळा, माहुरखोरा कडून आपल्या कंपनीकडे १ कंप्यूटर प्रिंटर शाळेला मिळावे या करिता मागणी केली होती. ती मागणी आपण मान्य करित आज दि. 07/11/2023 ला शाळेला कंप्यूटर प्रिंटर प्रदान करण्यात आले.

शाळेप्रति कंपनीची असलेली स्नेह आपला कायम ठेवून ती अविच्छिन्न सुद्धा दृष्टीगत व्हावी ही अपेक्षा ठेवून शाळेच्या वतीने कंपनीचे मनपूर्वक धन्यवाद!

माहुरखोरा
दि. 07/11/2023

मुख्याध्यापक
जि.प. प्राथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

BILL OF SUPPLY

RAJESH & SONS
UNIFORM

Shri Laxmi Apt. Zenda Chowk, Dharampeth, Nagpur - 440010
Mob : 9922702036 / 9096389140 Email : rajeshandsons@gmail.com

GST NO. : 27AYFPK1189D1ZH **P.O. No.** GSMPO2324.0892

M/s. Keltech Energies Ltd.
149, 149/e Post Dudhala, Umrer Rd.
KATOL, NAGPUR

INVOICE No. INV008/23-24 Date 18-10-2023
HSN No. 6211 Date
Our D.M. No. Date 27-10-2023

Sr. No.	Particulars	Qty.	Rate	Amount
D	Kids Sweatess (Including all Size & Embroidery)	45	440/-	19,800/-
			CGST 2.5%	495/-
			SGST 2.5%	495/-
			GRAND TOTAL	20,790/-

Rupees Twenty Thousand Seven Hundred Ninty Only. E & O.E.

- Subject to Nagpur Jurisdiction only

For Rajesh & Sons Uniform

Receivers Signature & Date
28.10.23

Authorised Signatory

TAX INVOICE

Chawla Marketing, Wadi Shop.No.3 & 4,Samaj Bhushan Society Wadi, Nagpur GSTIN/UIN: 27AANFC4957H1Z1 State Name : Maharashtra, Code : 27 Contact : 7038897127,9623135588 E-Mail : chawlamarketingwadi@gmail.com	Invoice No. 553	Dated 19-Oct-2023
	Delivery Note	Mode/Terms of Payment
	Supplier's Ref.	Other Reference(s)
	Buyer's Order No. 0839	Dated
	Despatch Document No.	Delivery Note Date
	Despatched through	Destination
	Terms of Delivery	

Buyer
Keltech Energies Limited

GSTIN/UIN : 27AAACK4702A1Z7
State Name : Maharashtra, Code : 27

Sl No.	Description of Goods	HSN/SAC	GST Rate	Quantity	Rate	per	Disc. %	Amount
1	**BOOK CASE 78*33*15**	9403	18 %	**1 Nos**	8,680.00	Nos		8,680.00
	CGST							781.20
	S GST							781.20
	Less : ROUNDED OF							(-)0.40
	Total			**1 Nos**				**₹ 10,242.00**

GSM GRN No/ 2320
25/10/2023
3859
26/10/2023

CSR Activity.

E. & O.E

Amount Chargeable (in words)
INR Ten Thousand Two Hundred Forty Two Only

HSN/SAC	Taxable Value	Central Tax Rate	Central Tax Amount	State Tax Rate	State Tax Amount	Total Tax Amount
	8,680.00	9%	781.20	9%	781.20	1,562.40
Total	**8,680.00**		**781.20**		**781.20**	**1,562.40**

Tax Amount (in words) : **INR One Thousand Five Hundred Sixty Two and Forty paise Only**

CERTIFIED FOR PAYMENT 10242/-

Company's PAN : **AANFC4957H**

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for Chawla Marketing, Wadi

Authorised Signatory

This is a Computer Generated Invoice

26.10.23

GSTIN : 27BVDPK0346L1ZI

Original Copy

TAX INVOICE

KOTHARI COMPUTER AND ELECTRICALS

OPP. SADACHAR HALL, NEAR AGAPE HOUSE,, DATTAWADI, WADI, NAGPUR
MO-7559355810, 9028493990
email : kotharicomputer.ele@gmail.com

COMPUTER SALES AND SERVICE

Party Details : KELTECH ENERGIES LIMITED 149/1 149/2, POST DUDHALA, GARAMSUR TEH: KATOL, NAGPUR 441103 Party E-Mail ID : Party Mobile No : Party Pincode : GSTIN / UIN : 27AAACK4702A1Z7	Invoice No. : 2023-24/114Cr Dated : 16-10-2023 Place of Supply : Maharashtra (27) Reverse Charge : N

Quotation No. :

Sr.	Description of Goods	HSN/SAC Code	Qty.	Unit	Price	Amount(₹)
1.	Samsonic Tower Music System *1 Year Transformer Warranty* *Model-8080* *With Wired Mic*	85198100	1.00	Pcs.	9,500.00	9,500.00
						9,500.00
				Add : CGST	*@ 9.00 %*	855.00
				Add : SGST	*@ 9.00 %*	855.00
			Grand Total	**1.00 Pcs.**	**₹**	**11,210.00**

HSN/SAC	Tax Rate	Taxable Amt.	CGST Amt.	SGST Amt.	Total Tax
85198100	18%	9,500.00	855.00	855.00	1,710.00

Rupees Eleven Thousand Two Hundred Ten Only

93241 03720
18/10/2023

Declaration

I/We hereby certify that our registration certificate under the Maharashtra Value Added Tax Act, 2002 is in force on the date on which the sales of the goods specified in this 'Tax Invoice' is made by me/us and that the transaction of sale covered by this 'Tax Invoice' has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Bank Details : BANK- ICICI BANK, ACC. NO- 146405500355
IFSC - ICIC0001464 BRANCH- SAVNER

Terms & Conditions

E.& O.E.
1. Goods once sold will not be taken back.
2. Warranty will be provided by company service centre only, As per companies service rules and regulation
3. Subject to 'Maharashtra' Jurisdiction only.

Receiver's Signature :

for KOTHARI COMPUTER AND ELECTRICALS

Authorised Signatory

17.10.23

प्रति,

मा. व्यवस्थापकसाहेब,
केलटेक रनर्जिक लिमिटेड, गरमसूर

विषय :- केलटेक कंपनीच्या वतीने शाळेला बुकसेल, मुझीक सिस्टम व सर्व विद्यार्थ्यांना स्वेटर इत्याही साहित्य मिलाल्याबाबत.

महोदय,

जि. प. प्राथमिक शाळा, माहुरखोरा शाळेने आपल्या कंपनीकडे 1 बुकसेल, मुझीक सिस्टम व सर्व विद्यार्थ्यांना स्वेटर इत्याही साहित्याची मागणी केली होती. त्या नुसार आज दिनांक 01/11/2023 का रणाचित साहित्य शाळेला प्रदान करण्यात आले.

1) बुकसेल - 1
2) मुझीक सिस्टम बॉक्स - 1
3) विद्यार्थी स्वेटर - 45

शाळेप्रति कंपनीची असलेली स्नेह भावना कायम ठेवून ती भविष्यात सुद्धा वृद्धींगत व्हावी ही अपेक्षा ठेवून शाळेच्या वतीने कंपनीचे सन्मपूर्वक धन्यवाद.

माहुरखोरा
दि. 01.11.2023

मुख्याध्यापक
जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

जि.प.प्राथमिक शाळा, गरमसुर
पं.स.काटोल

जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

जि.प. प्रथमिक शाळा माहुरझोरा
पं. स. काटोल जि. नागपूर

CHOWGULE
G-R-O-U-P
SINCE 1916

Date: 2nd June, 2021

To

The Director,

Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001

Sub: Submission of EC Compliance along with Environmental Six monthly Monitoring Report for the period "***December 2020 to May 2021***".

Ref: EC Letter No. F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020

Dear Sir,

We are submitting herewith one copy of the Six Monthly Compliance of Environmental Clearance (soft copy) for the above referred period for "**Expansion of explosive product manufacturing unit** of M/s. Keltech Energies Limited at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur-441103" for your perusal and record. Proposed project expansion was implemented from December 2020, it will take some time to stabilize the plant expansion operations and achieve full production, please note.

Thanking you.

Yours faithfully,

For M/s. Keltech Energies Ltd.

(Mr. S.Sai Viswanathan)

M. (P&M)

Encl: As above

Copy to:

1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003
2. MPCB, Udyog Bhavan, Civil Lines, Nagpur-440001

KEL

KELTECH ENERGIES LIMITED
AN ISO 9001 & 14001, OHSAS 18001 CERTIFIED COMPANY

Works : Vill : Garamsur, P.O. Dudhala - 441 103. Tehsil : Katol, District : Nagpur, Maharashtra CIN : L30007KA1977PLC031660
Tel. : 0712-2809200, 2809204 Fax : 0712-2809207 e-mail : grm@keltechenergies.com Web : www.keltechenergies.com
Regd. Office : 7th Floor, Embassy Icon, No. 3, Infantry Road, Bangalore - 560 001, INDIA Tele : 080 22251451 E-mail : info@keltechenergies.com

EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(December 2020-May 2021)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur-441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

EIA Consultant

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *info@anacon.in* , *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

May 2021

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ANNEXURE

ANNEXURE I	**AIR AND NOISE ANALYSYS REPORT**
ANNEXURE II	**GROUNDWATER ANALYSYS REPORT**
ANNEXURE III	**SOIL ANALYSYS REPORT**
ANNEXURE IV	**ENVIRONMENTAL STATEMENT**
ANNEXURE V	**ADVERTISEMENT OF EC**

INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala , Tehsil Katol under District Nagpur By M/s. Keltech Energies Limited of an areas of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, The entire effluent treated in ETP with capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise and Vibration monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise and Vibration monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern	There are only two sources of fugitive emissions-nitration

Sr. No.	EC Conditions	Compliance
	technology.	and granulation. At both these places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents is reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures.
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent condensers with chilled brine circulation.
x.	Total Fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the	Agreed to comply and prior permission will be obtained from CGWB.

Sr. No.	EC Conditions	Compliance
	concerned regulatory authority/ CGWA	
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places.(store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area, mainly along the plant periphery, in downward wind direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation	Yes, condition being complied.

Sr. No.	EC Conditions	Compliance
	with the State Forest Department.	
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed.
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate Change. In case of Deviations or alterations in the project proposal from those submitted to this ministry for	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Yes, being complied. Training is imparted to all employees on safety and health aspects of chemical handling.

Sr. No.	EC Conditions	Compliance
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six month compliance report and EC to be published on the company website.	Yes agreed. This being the 1st six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and MPCB.

Sr. No.	EC Conditions	Compliance
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied. **Annexure IV attached.**
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure V.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity which will commence from Dec 2020 and expected completion September/ October 2021 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103, Maharashtra. The project site lies at the Latitude: $21^0$09'16.40" N, and Longitude: $78^0$44'18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out.The site is located at The proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I.**

TABLE 2: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

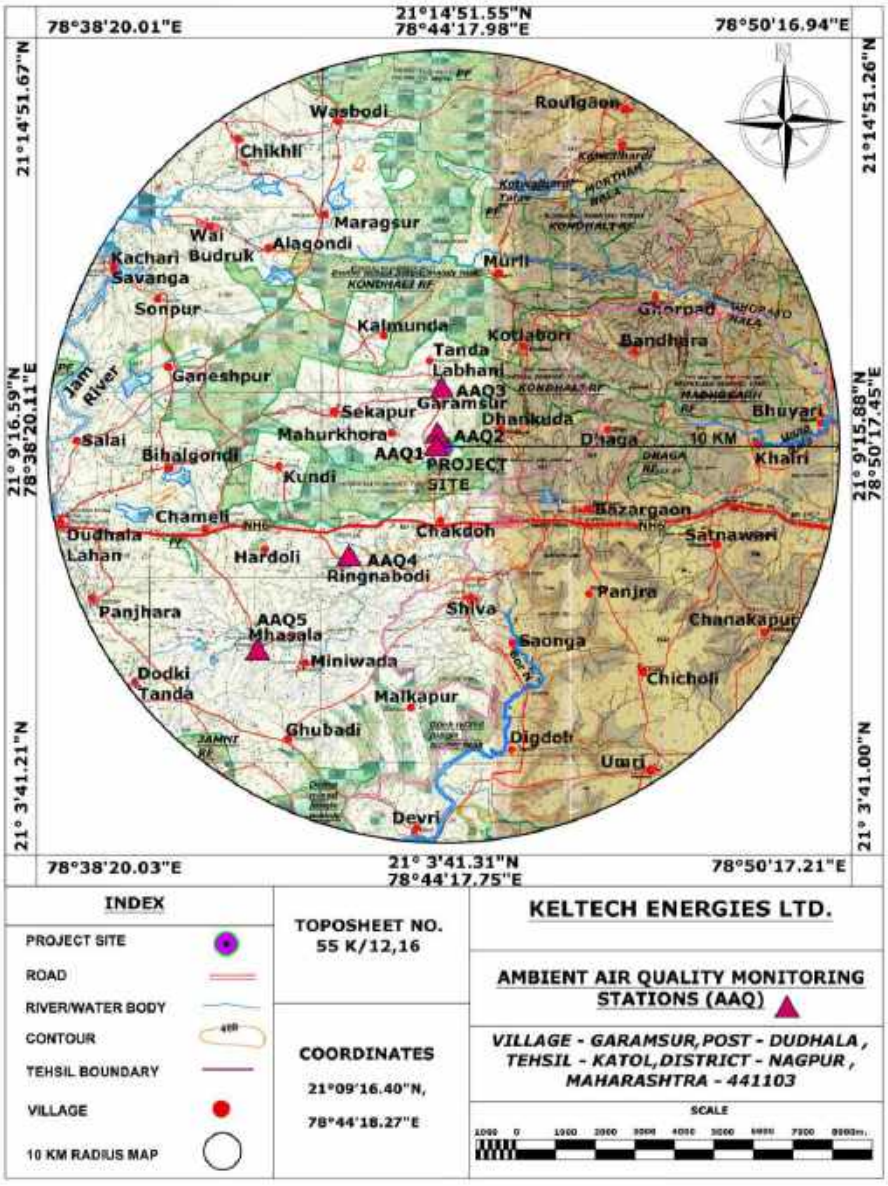

FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

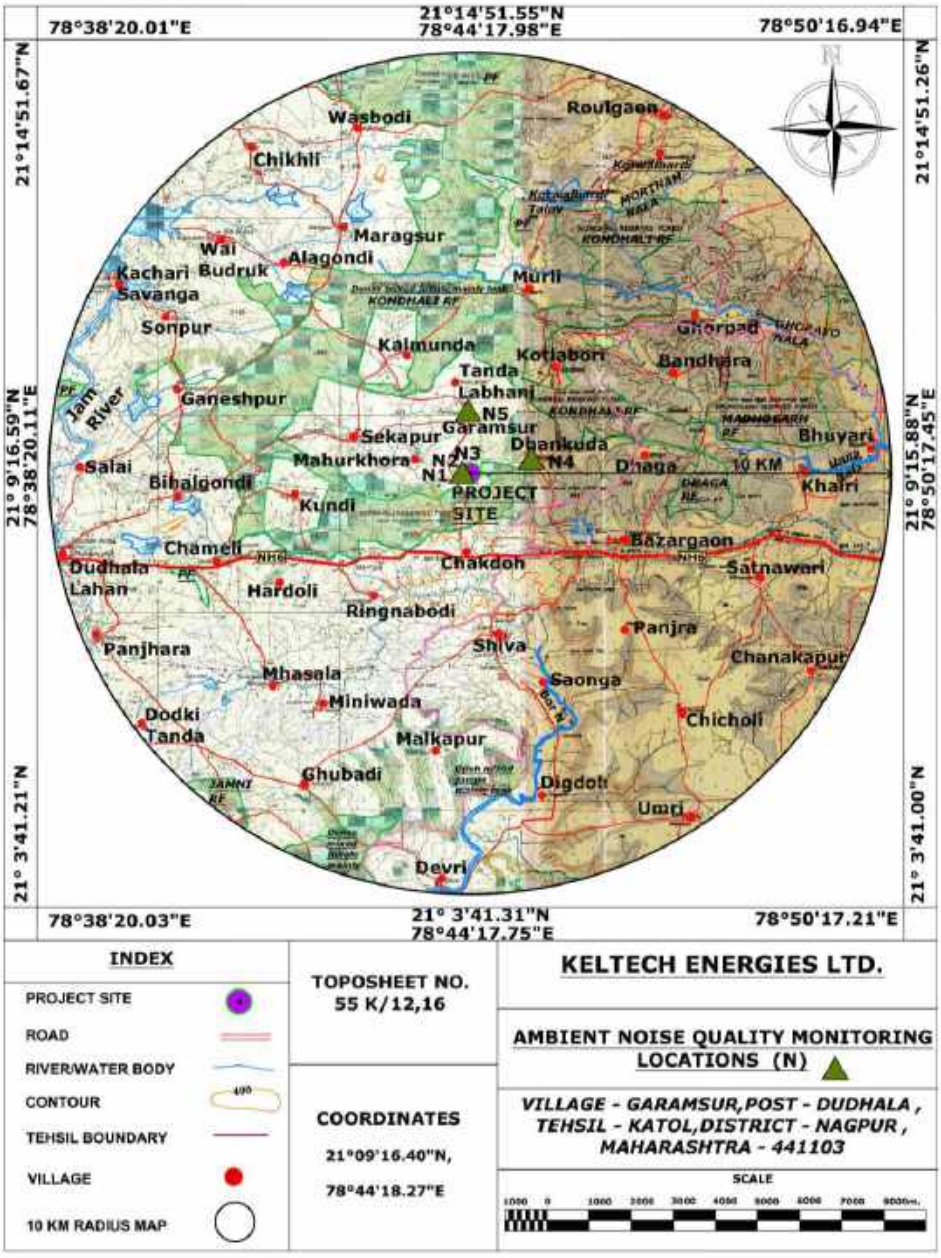

FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	12 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for $Leq_{day}$and Leq_{night}. The results are attached **Annexure I.**

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Surface and Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

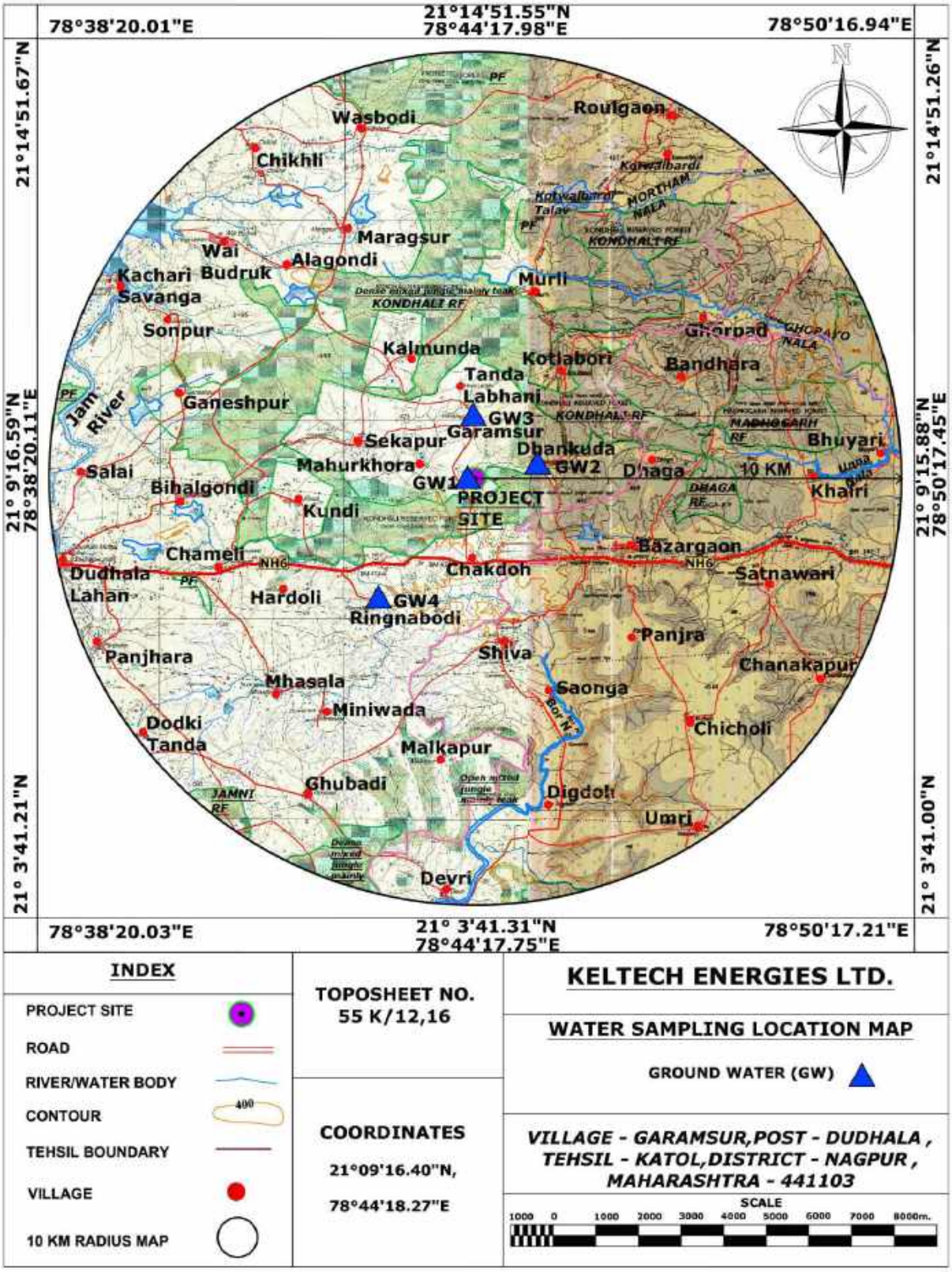

FIGURE 3: GROUND WATER SAMPLING LOCATIONS

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on the differences in the genetic and environmental factors. Thus some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various landuse conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure III.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

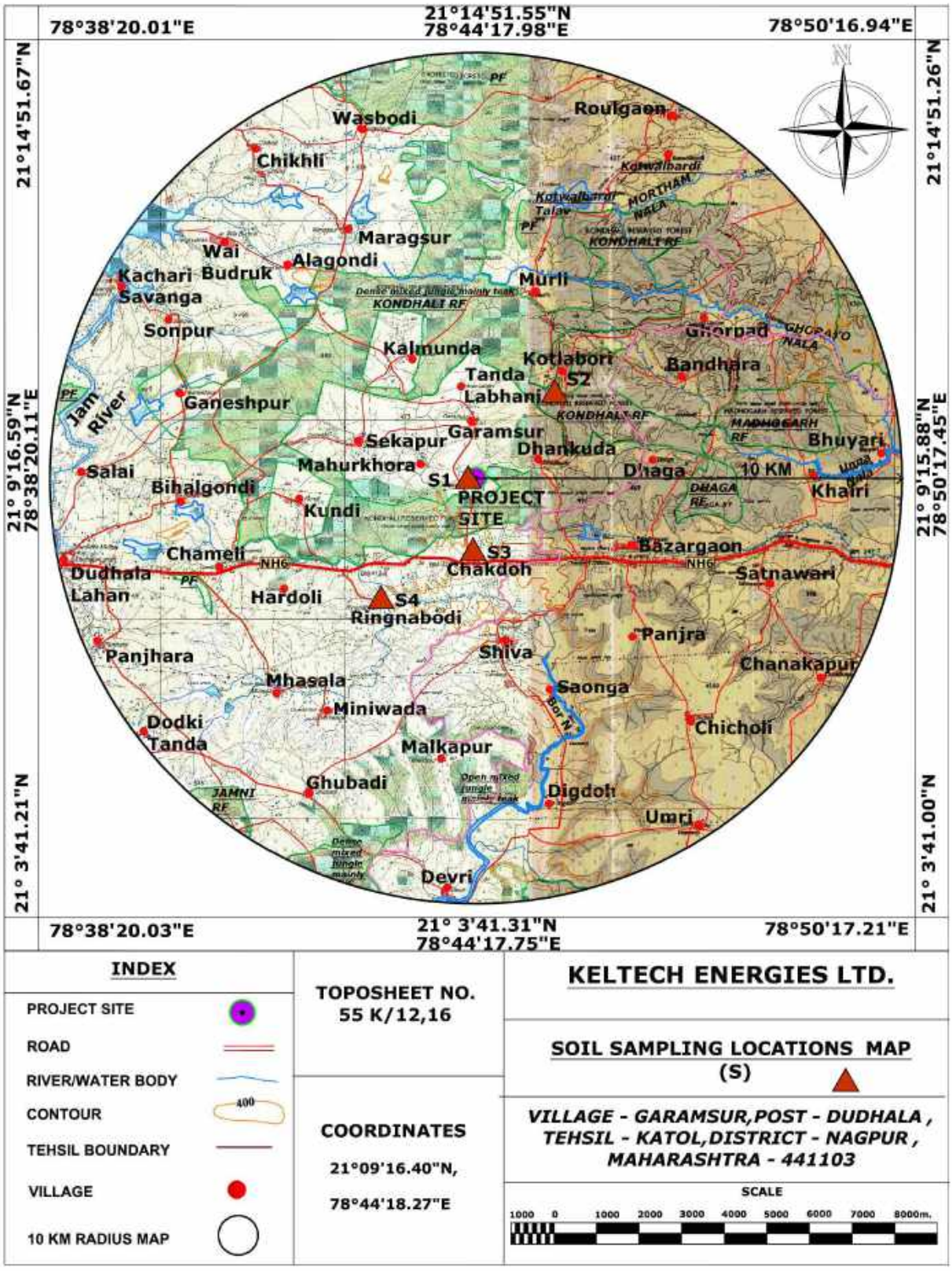

FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

SITE PHOTOGRAPHS

		Green Belt

MONITORING PHOTOGRAPHS

PETN PLANT

ANNEXURE I
AIR & NOISE REPORT

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• Approved by : Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report

Report Code: AN/AA/2021/1-1 **Issue Date:** 25/03/2021
Inward Number: 2021/EIA-12 **Inward Date:** 22/03/2021

Issued To **: M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

RESULTS

SL No.	Sampling Location	Sampling Date	PM_{10} µg /m^3	$PM_{2.5}$ µg /m^3	SO_2 µg /m^3	NO_2 µg /m^3	CO mg /m^3	O_3 µg /m^3	NH_3 µg /m^3	Pb µg /m^3	As ng /m^3	Ni ng /m^3	C6H6 µg /m^3	BaP ng /m^3
1.	Main Gate	18/03/2021	61.2	26.4	11.9	23.8	0.316	7.3	12.4	0.19	ND	ND	ND	ND
2.	Process Area	18/03/2021	64.8	31.6	9.7	17.3	0.273	5.6	8.1	0.14	ND	ND	ND	ND
3.	Garamsur	19/03/2021	53.9	17.2	6.8	16.4	0.197	5.1	6.4	ND	ND	ND	ND	ND
4.	Mhasala	19/03/2021	46.3	14.7	6.2	16.1	0.184	4.3	5.8	ND	ND	ND	ND	ND
5.	Ringnabodi	19/03/2021	54.7	16.4	8.1	17.3	0.216	5.7	8.3	0.17	ND	ND	ND	ND

Thanks for utilizing our services.

'ND' –Not detected.

For ANACON LABORATORIES PVT.LTD.

Verified by

Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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In order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in.

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Noise Study Report

Report Code: AN/AA/2021/1-2
Inward Number: 2021/EIA-12-N

Issue Date: 25/03/2021
Inward Date: 22/03/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist: Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	Results dB(A)	
			Leq day	Leq night
1.	Project Site-PETN	18/03/2021	56.3	47.2
2.	Project Site-Slurry	18/03/2021	52.9	41.8
3.	Project Site-Spining	18/03/2021	48.6	37.1
4.	Dhankuda	19/03/2021	51.2	38.6
5.	Garamsur	19/03/2021	53.7	42.8
Range				
CPCB Standards- dB(A)				
Commercial Area			**65**	**55**
Residential Area			**55**	**45**
Silence Zone			**50**	**40**

Thanks for utilizing our services.

For ANACON LABORATORIES PVT.LTD.

Verified by

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(Technical Manager)

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(Quality Manager)

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Report

Report No.: AN/SE/KEL/2021/1-3			**Date:** 25/03/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble 1 X 1 No SO_2: 30 mL X 1 No. PVC Bottle NO_x: 25 mL X 1 No. PVC Bottle
Date of Sampling	18/03/2021	**Inward Number**	2021/EIA-12/S1
Sampling Procedure	As per Method Reference	**Date of Receipt of Sample**	19/03/2021
Date of Start of Analysis	19/03/2021	**Date of Completion of Analysis**	19/03/2021

Thanks for utilizing our services.

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		13	Meter
Stack diameter		1.5	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	114	IS:11255 (Part 3)
Flue gas velocity	m/s	8.43	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	53633.71	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	41299.34	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	53.9	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	184.2	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	mg/Nm^3	121.7	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	416	Gas analyser

For ANACON LABORATORIES PVT.LTD.

Verified by
Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/1-4			**Date:** 25/03/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	18/03/2021	Inward Number	2021/EIA-12/S2
Sampling Procedure	As per Method Reference	Date of Receipt of Sample	19/03/2021
Date of Start of Analysis	19/03/2021	Date of Completion of Analysis	19/03/2021

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	121	-	IS:11255 (Part 3)
Flue gas velocity	m/s	11.41	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1328.26		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1004.62		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.13	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.021	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.73	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	341		Gas Analyser

Thanks for utilizing our services.

For ANACON LABORATORIES PVT.LTD.

Verified by

Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/1-5			**Date:** 25/03/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	18/03/2021	Inward Number	2021/EIA-12/S3
Sampling Procedure	As per Method Reference	Date of Receipt of Sample	19/03/2021
Date of Start of Analysis	19/03/2021	Date of Completion of Analysis	19/03/2021

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	157	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.46	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1917.27	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1328.71	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.073	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.018	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.392	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	371		Gas Analyser

Thanks for utilizing our services.

For ANACON LABORATORIES PVT.LTD.

Verified by

Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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ANNEXURE II

GROUND WATER ANALYSYS REPORTS

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-1 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-1	**Analysis Start** 19/03/2021
	Inward Date	19/03/2021	**Analysis End** 23/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time 12.30 pm to 3pm	Project Site

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.68 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	792.81
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	1.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	446
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	162.94
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	194.20
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	57.26
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.43
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.73
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.42
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	38.73
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	16.42
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	57.16
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.43
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	18.92
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● BDL- Indicates Below detection limit. ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'

Verified By
Roshani Thakur
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-1 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-1	**Analysis Start** 19/03/2021
	Inward Date	19/03/2021	**Analysis End** 23/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative Mr. Priyansh Jain	18/03/2021 / 12.30 pm to 3pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Feacal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.46
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **As per IS 10500 : 2012, for test nos. 3,sample exceeds acceptable limit, however, the result is within permissible limit, indicating that with respect to the tested parameter, it can be used for drinking purpose in absence of an alternate source.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-2 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-2	**Analysis Start** 19/03/2021
	Inward Date	19/03/2021	**Analysis End** 23/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time 12.30 pm to 3pm	Dhankura

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.87 at 25^{0}C
2	Electrical Conductivity at 25^{0}C	µs/cm	IS 3025 (Part 14) 2013	--	--	816.2
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.9
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	457
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	172.94
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	198.73
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	61.52
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	10.94
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	5.17
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	21.46
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	32.91
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	18.76
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	72.51
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.43
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	19.62
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-2 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-2	**Analysis Start**	19/03/2021
	Inward Date	19/03/2021	**Analysis End**	23/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time 12.30 pm to 3pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Feacal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	2.41
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.27
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-3 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2021/EIA-12-3 **Inward Date** 20/03/2021 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 20/03/2021 **Analysis End** 24/03/2021 **Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative Mr. Priyansh Jain	19/03/2021 11.30 am to 2 pm	Garamsur

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	8.16 at 25^{0}C
2	Electrical Conductivity at 25^{0}C	µs/cm	IS 3025 (Part 14) 2013	--	--	824.7
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.8
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	462
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	173.65
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	191.61
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.94
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.82
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.73
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.41
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	38.59
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	13.46
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	32.68
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.57
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	24.73
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-3 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-3	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time 11.30 am to 2 pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Feacal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.13
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-4 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-4	**Analysis Start** 20/03/2021
	Inward Date	20/03/2021	**Analysis End** 24/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time 11.30 am to 2 pm	Ringnabodi

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.92 at 25^{0}C
2	Electrical Conductivity at 25^{0}C	µs/cm	IS 3025 (Part 14) 2013	--	--	462.1
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.6
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	259
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	142.98
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	157.76
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	44.36
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.41
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	5.19
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	17.24
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	26.58
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	12.96
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	81.52
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.46
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	21.97
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

Laboratory address : FP-34, 35, Food Park, 5 Star Industrial Estate, MIDC Butibori, Nagpur - 441 122.
Email : support@anacon.in;
Please Visit us at : www.anaconlaboratories.com

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-4 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-4	**Analysis Start** 20/03/2021
	Inward Date	20/03/2021	**Analysis End** 24/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time 11.30 am to 2 pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Feacal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	2.14
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l.	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/25032021/2-5 dated 25.03.2021

Issued To : M/s.Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-WW1	**Analysis Start** 19/03/2021
	Inward Date	19/03/2021	**Analysis End** 23/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 18/03/2021 Sampling Time : 12.30 pm to 3pm	Sampling Location
Anacon Representative Mr. Priyansh Jain		ETP Inlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	pH	-	IS 3025 (Part 11) : 1983	6.93 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	1724
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	53
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	101.59
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	67.52
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	273.91
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	87.3

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Dr. (Mrs.) S.D. Garway
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TEST REPORT

Test Report No. : ALPL/25032021/2-6 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-WW2	**Analysis Start** 19/03/2021
	Inward Date	19/03/2021	**Analysis End** 23/03/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Outlet Water	WW-2 Waste Water	2 L

Sample Collected By	Sampling Date / Time	Sampling Location
Anacon Representative Mr. Priyansh Jain	**Sampling Date :** 18/03/2021 **Sampling Time :** 12.30 pm to 3pm	ETP Outlet

Tests Required : pH, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
1	pH	-	IS 3025 (Part 11) : 1983	7.42 at 25^{0}C	**5.5 – 9.0**
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	532	**2100**
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	**100**
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	27.59	**1000**
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	12.82	**--**
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	**10**
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	16	**250**
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	4.86	**30**

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By
Roshani Thakur
Sr. Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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ANNEXURE III
SOIL ANALYSYS REPORT

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TEST REPORT

Test Report No. : ALPL/25032021/2-7 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S1	**Analysis Start**	19/03/2021
	Inward Date	19/03/2021	**Analysis End**	23/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 18.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	ASTMD 3385	16.74
2	Bulk density	g/cm3	IS 2720 (Part 29)	1.59
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	22.08
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.81
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.47
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.72
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy loam
6	pH (1:2.5 Aq. Extract) at 25^0C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.36 at 25^0C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	101.82
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	429.57
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	52.81
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	431.94
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	211.36
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	327.92
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.54

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S1	**Analysis Start**	19/03/2021
	Inward Date	19/03/2021	**Analysis End**	23/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21 Oct 2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 18.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	217.46
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	110.32
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.91
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.42
18	Sodium adsorption ratio	-	By Calculation	26.38
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.57
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.73
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.52
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	14.73
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	212.59
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
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TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S1	**Analysis Start**	19/03/2021
	Inward Date	19/03/2021	**Analysis End**	23/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 18.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0 17
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46.28
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.19
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.73
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.16
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.93
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.17
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/25032021/2-8 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S2	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL..PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Priyansh Jain	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	ASTMD 3385	32.17
2	Bulk density	g/cm3	IS 2720 (Part 29)	1.519
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.58
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.59
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.41
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.00
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25^{0}C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.64 at 25^{0}C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	101.59
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	482.73
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.54
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	382.93
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	128.36
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	182.73
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	129.56

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/25032021/2-8 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S2	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Priyansh Jain	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.21
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	67.62
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	198.33
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.81
18	Sodium adsorption ratio	-	By Calculation	21.94
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.82
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.76
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.54
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.27
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	326.19
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S2	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.13
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	51.96
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.57
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.68
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.49
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.64
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.38
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

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Quality Manager

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TEST REPORT

Test Report No. : ALPL/25032021/2-9 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S3	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Priyansh Jain	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	ASTMD 3385	21.41
2	Bulk density	g/cm3	IS 2720 (Part 29)	1.493
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.76
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.92
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.58
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	34.50
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.21 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	58.17
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	361.94
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.52
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.94
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	151.38
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.73
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	217.68

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

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Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-12-S3	Analysis Start	20/03/2021
	Inward Date	20/03/2021	Analysis End	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 19.03.2021 Sampling Time : 12.30 pm to 3pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Priyansh Jain	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	218.92
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.56
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	188.34
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.46
18	Sodium adsorption ratio	-	By Calculation	27.59
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.18
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.67
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.58
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.92
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	191.87
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8

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Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S3	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S3-Chakdoh		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.16
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	54.73
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.52
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.91
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.47
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.39
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.28
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
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Sr.Chemist

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Quality Manager

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TEST REPORT

Test Report No. : ALPL/25032021/2-10 dated 25.03.2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S4	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	ASTMD 3385	26.72
2	Bulk density	g/cm3	IS 2720 (Part 29)	1.396
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.92
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.63
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	24.92
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.45
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.63 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	101.82
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	473.94
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	68.17
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	346.59
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	122.7
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.59
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.52

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise • 'mg/kg' is equivalent to 'ppm'.

Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

Laboratory address : FP-34, 35, Food Park, 5 Star Industrial Estate, MIDC Butibori, Nagpur - 441 122.
Email : support@anacon.in;
Please Visit us at : www.anaconlaboratories.com

Thanks for your faith and trust in our services. We at Anacon Laboratories cherish our relationship.
We put in a lot of hard work to ensure that you have a seamless experience at every step of our relationship.
In order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in.

ANACONLABS
MARK OF PROGRESS FOR BETTER ENVIRONMENT & HEALTH
ANACON LABORATORIES PVT. LTD.
- ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified
- Recognized By Ministry of Environment & Forests (MoEF), New Delhi
- Approved by : Food Safety & Standards Authority of India under FSS Act;
- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S4	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	169.21
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	66.12
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	251.03
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.17
18	Sodium adsorption ratio	-	By Calculation	18.43
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.21
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.57
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.63
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	239.52
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'

Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-12-S4	**Analysis Start**	20/03/2021
	Inward Date	20/03/2021	**Analysis End**	24/03/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 19.03.2021 **Sampling Time :** 12.30 pm to 3pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Priyansh Jain		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.17
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.31
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.24
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.94
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.16
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.82
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.49
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'.

Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

ANNEXURE IV

ENVIRONMENTAL STATEMENT

Maharashtra Pollution Control Board
महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V
(See Rule 14)
Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000028092

Submitted Date
27-09-2020

PART A

Company Information

Company Name
KELTECH ENERGIES LIMITED

Application UAN number
00000

Address
Village : Garamsur,Tehsil: Katol, Dt.Nagpur

Plot no
149/1,116,146,147,148/1,149/2,151/1,165

Taluka
Katol

Village
Garamsur

Capital Investment (In lakhs)
1357

Scale
Medium

City
NAGPUR

Pincode
441103

Person Name
S H Solankee

Designation
GM(P&M)

Telephone Number
0712 2809200

Fax Number
0712 2809207

Email
ssolanki@keltechenergies.com

Region
SRO-Nagpur I

Industry Category
Red

Industry Type
R20 Manufacturing of explosives, detonators, fuses including management and handling activities

Last Environmental statement submitted online
no

Consent Number
B.O./MPCB/AST/Auto Renewal/R/CC-11

Consent Issue Date
21/06/2016

Consent Valid Upto
31/03/2021

Establishment Year

Date of last environment statement submitted

Industry Category Primary (STC Code) & Secondary (STC Code)

Product Information

Product Name	*Consent Quantity*	*Actual Quantity*	*UOM*
PETN	1500	1440	
Detonating Fuse	36000000	30000000	Mtrs/Y
Cast Booster	500	400	
Slurry/Emulsion Explosives	60000	60000	
Expanded Perlite	10000	5000	

By-product Information

By Product Name	*Consent Quantity*	*Actual Quantity*	*UOM*

Trade Effluent	11.6	5	CMD

Part-B (Water & Raw Material Consumption)

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	11.7	6.5
Cooling	11.8	5
Domestic	4.7	4.2
All others	0	2
Total	28.2	18.7

2) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	11.6	5	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Slurry/Emulsion Explosives	0.055	0.05	
PETN	3.2	3.5	

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
AMMONIUM NITRATE	12221	11782	MT/A
GUAR GUM	83	77	MT/A
MMAN SOLUTION	1636	1456	MT/A
SULPHUR	63	95	MT/A
COAL POWDER	256	238	MT/A
PERLITE ORE	943	1215	MT/A
VERMICULITE ORE	204	259	MT/A
PENTAERYTHRITOL	134	138	MT/A
CONC. NITRIC ACID	668	683	MT/A
TNT	14.6	19.5	MT/A
PP YARN	0.374	0.340	MT/A
PVC	167	154	MT/A
ALUMINIUM POWDER	79	78	MT/A
MC WAX	38	39	MT/A
EMULSIFIER	102.5	102	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
BIO BRIQUETTES	10500	4000	
DIESEL	268	210	Ltr/Hr

Part-C

Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Total Dissolved Solid	5	340	-84	2100	Good Pollution control
Total Suspended Solids	5	6	-94	100	Good Pollution control

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
Particulate matter	5533 cu.mtr/hr	21	-86	150	Pollution control
SO2	5533 cu.mtr/hr	26.6	-63	72	Pollution control

Part-D

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.11	1.11	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	2.4	1.31	MT/A

Part-E

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
PERLITE ORE WASTE	30	30	MT/A
PLASTIC DRUMS / BARRELS	85	134	Nos./Y
STEEL DRUMS	975	831	Nos./Y

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
PERLITE DUST	2	2	Kg/Day

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg/Day

Part-F

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
34.2 Sludge from treatment of waste water arising out of cleaning / disposal of barrels / containers	1.310	MT/A	SENT TO CHWTDSF
33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes	1.110	MT/A	SENT TO CHWTDSF

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
PLASTIC DRUMS	134	Nos./Y	SOLD
STEEL DRUMS	831	Nos./Y	SOLD
PERLITE ORE WASTE	30	MT/A	LANDFILL

Part-G

Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
CONDENSATE WATER	3	0	0	0	1	0.02
REUSE OFEFFLUENT WATER	1	0	0	0	0.05	0.01

Part-H

Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
EXISITING	EXISTING	0

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
CONTINUOUS STACK MONITORING SYSTEM	AIR QUALITY CONTROL	10
PROCESS FLOW METER	TREATED WATER MEASUREMENT	0.5

Part-I

Any other particulars for improving the quality of the environment.

Particulars

ENVIRONMENTAL CLEARANCE OBTAINED

Name & Designation

S.H.SOLANKEE , GENERAL MANAGER (P&M)

UAN No:

MPCB-ENVIRONMENT_STATEMENT-0000028092

Submitted On:

27-09-2020

ANNEXURE V

ADVERTISEMENT OF EC

Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

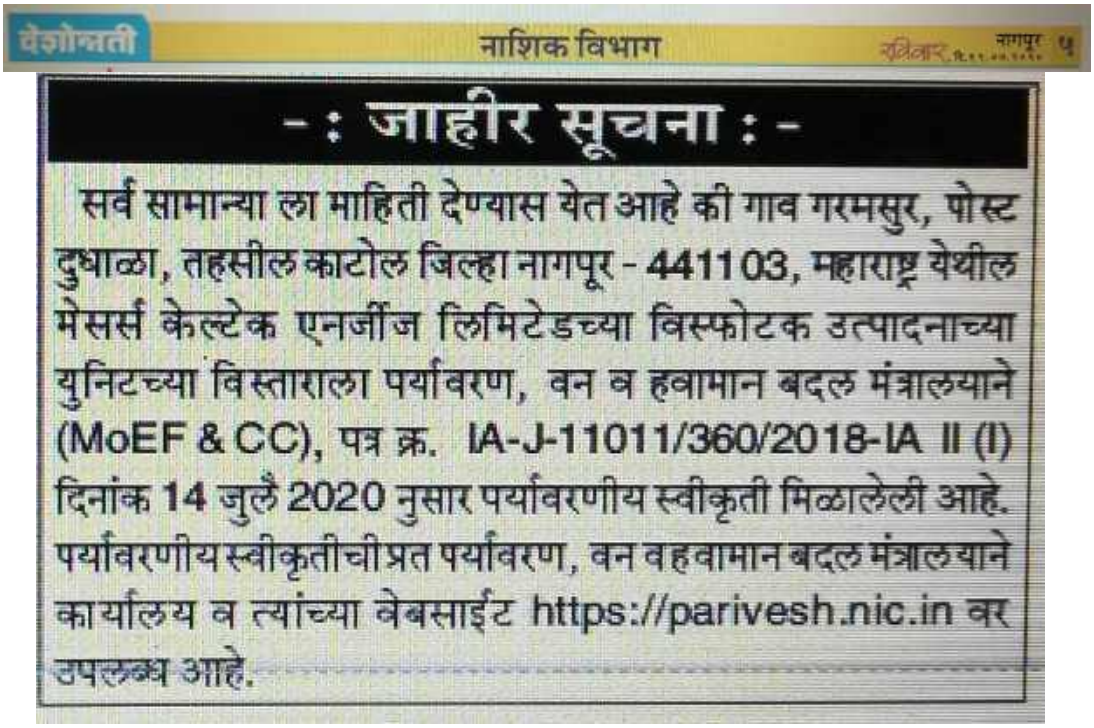
Please find attachment of Advertisement in two local newspapers

1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

नागपुर मेट्रो समाचार | नागपुर जिला / विदर्भ | गुरुवार, 19 जुलाई 2020 | 3

जाहिर सूचना

सार्वजनिक रूप से यह सूचित किया जाता है कि,ग्राम गरमसुर, पोस्ट दुधाला,तहसील काटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC),के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.



देशोन्नती | नाशिक विभाग | रविवार, नागपूर 4

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील काटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृतीची प्रत पर्यावरण, वन व हवामान बदल मंत्रालयाने कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

CHOWGULE
G-R-O-U-P
SINCE 1916

Date: 25th November, 2021

KEL/GS/EC/21-22/106

To

The Director,

Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001

Sub: Submission of EC Compliance along with Environmental Six monthly Monitoring Report for the period "***April 2021 to September 2021***".

Ref: EC Letter No. F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020

Dear Sir,

We are submitting herewith one copy of the Six Monthly Compliance of Environmental Clearance (soft copy) for the above referred period for "**Expansion of explosive product manufacturing unit** of M/s. Keltech Energies Limited at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur-441103" for your perusal and record. Proposed project expansion construction work has started from December 2020 but due to Covid-19 Second wave our project have been delayed hence the project is still under construction stage.

Thanking you.

Yours faithfully,

For M/s. Keltech Energies Ltd.

(Mr. S. Sai Viswanathan)

Unit-Incharge

Encl: As above

Copy to:

1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003
2. MPCB, Udyog Bhavan, Civil Lines, Nagpur-440001

EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(April 2021- September 2021)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur-441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

EIA Consultant

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

NOVEMBER 2021

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INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala , Tehsil Katol under District Nagpur By M/s. Keltech Energies Limited of an areas of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, The entire effluent treated in ETP with capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.	There are only two sources of fugitive emissions-nitration and granulation. At both these

Sr. No.	EC Conditions	Compliance
		places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). Due to second wave of COVID-19 the project implementation has been delayed and may be completed by Jan-2022. The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents is reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures.
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent condensers with chilled brine circulation.
x.	Total Fresh water requirement shall not exceed 60	Agreed.

Sr. No.	EC Conditions	Compliance
	cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/ CGWA	CGWB NOC attached **Annexure IV**.
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places.(store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by-product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area, mainly along the plant periphery, in downward wind	Yes, condition being complied.

Sr. No.	EC Conditions	Compliance
	direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department.	
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed. Total expenditure as per CER budget so far Rs.1,34,657/-
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed. Under Process.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have prepared conservation plan and wildlife management plan and submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate Change. In case of Deviations or alterations in the	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I and II.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular basis. Training to all employees on handling of	Yes, being complied. Training is imparted to all employees on safety and health aspects of chemical handling.

Sr. No.	EC Conditions	Compliance
	chemicals shall be imparted.	
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six month compliance report and EC to be published on the company website.	Yes agreed. This being the 3rd six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and MPCB.

Sr. No.	EC Conditions	Compliance
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure III.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity which will commence from Dec 2020 and expected completion Jan/ Feb 2022 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103, Maharashtra. The project site lies at the Latitude: $21^0$09'16.40" N, and Longitude: $78^0$44'18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out.The site is located at The proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I & II.**

TABLE 2: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

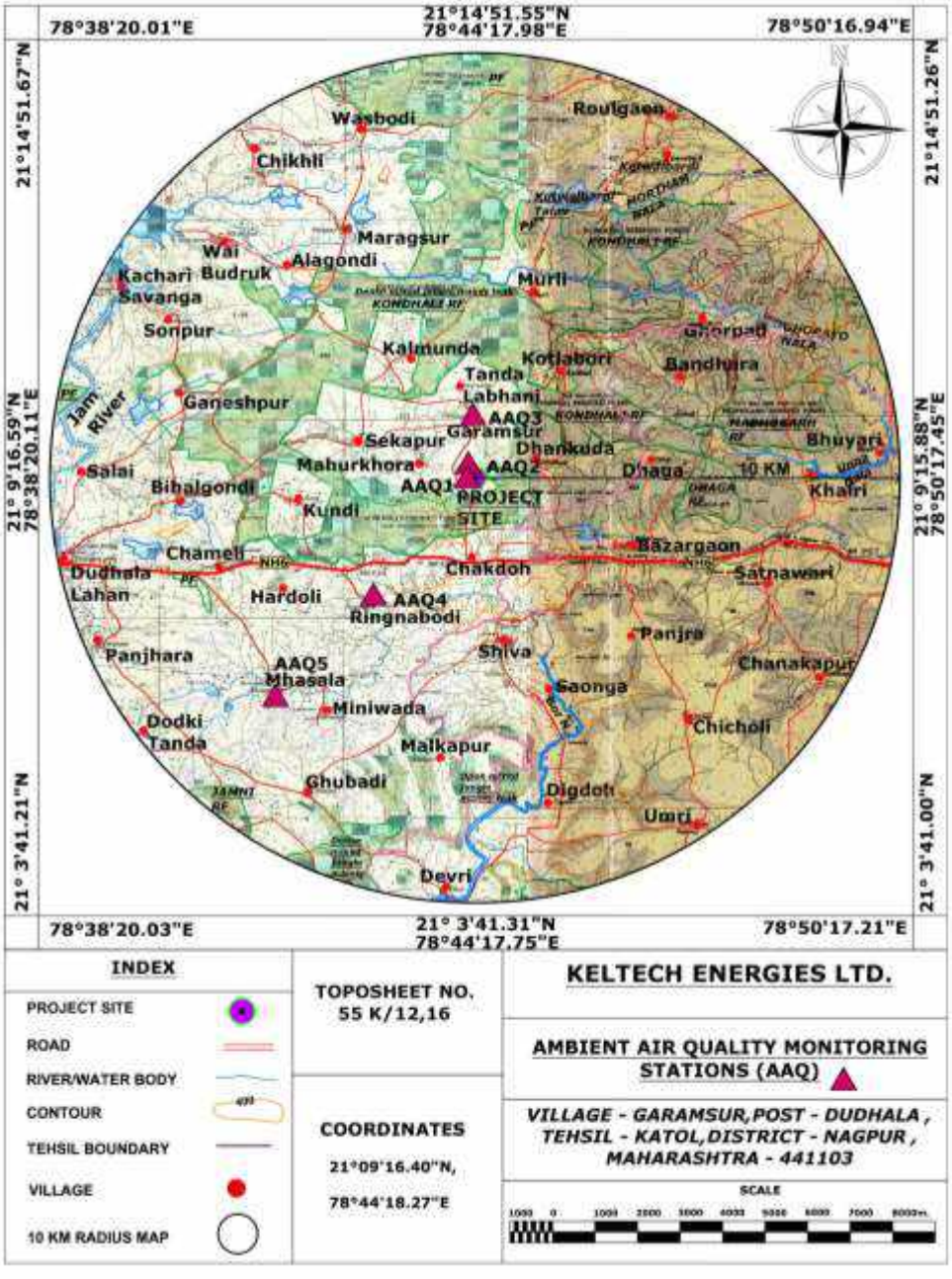

FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

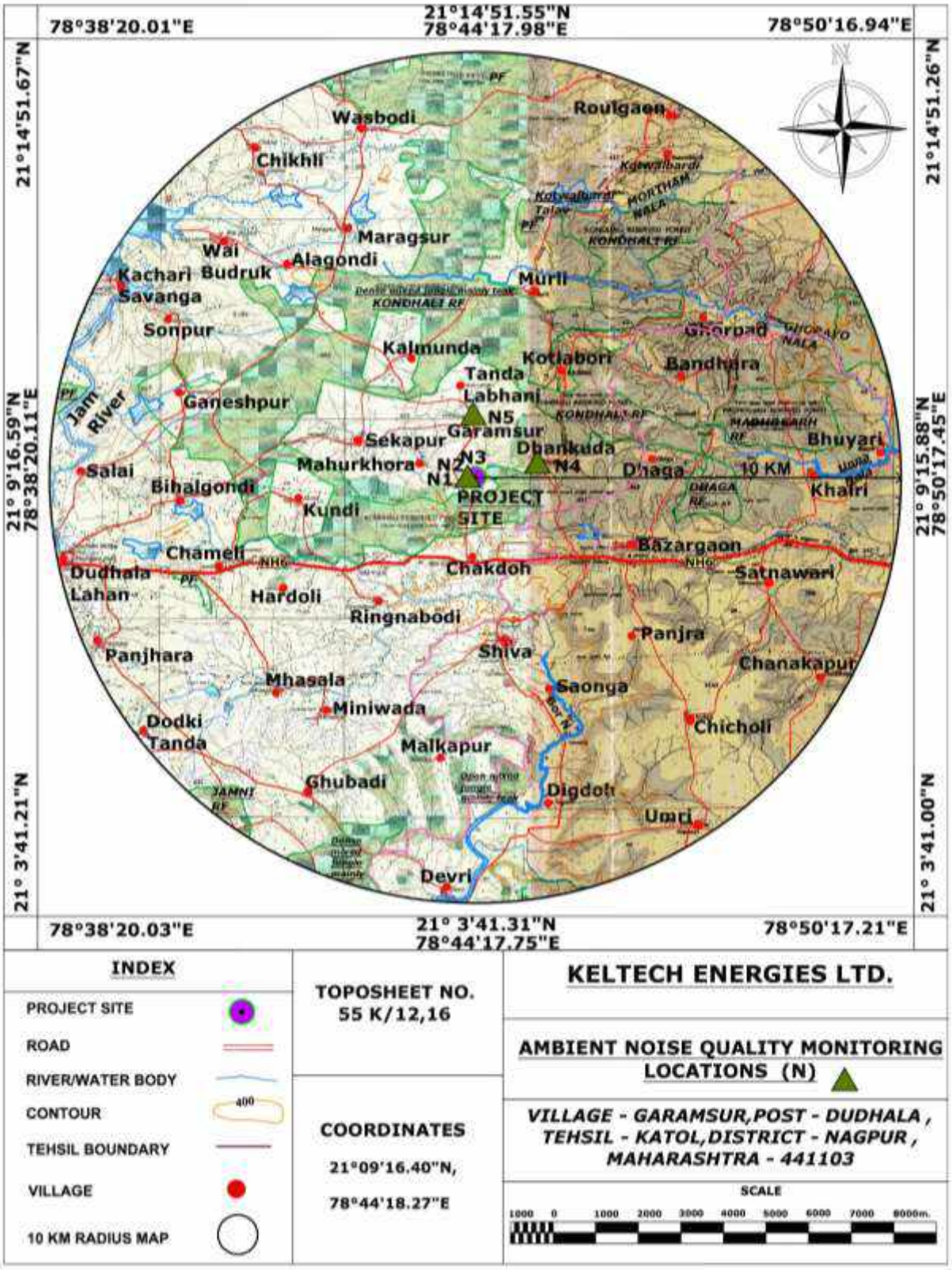

FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	12 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for Leq_{day} and Leq_{night}. The results are attached **Annexure I & II.**

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Surface and Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure I & II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

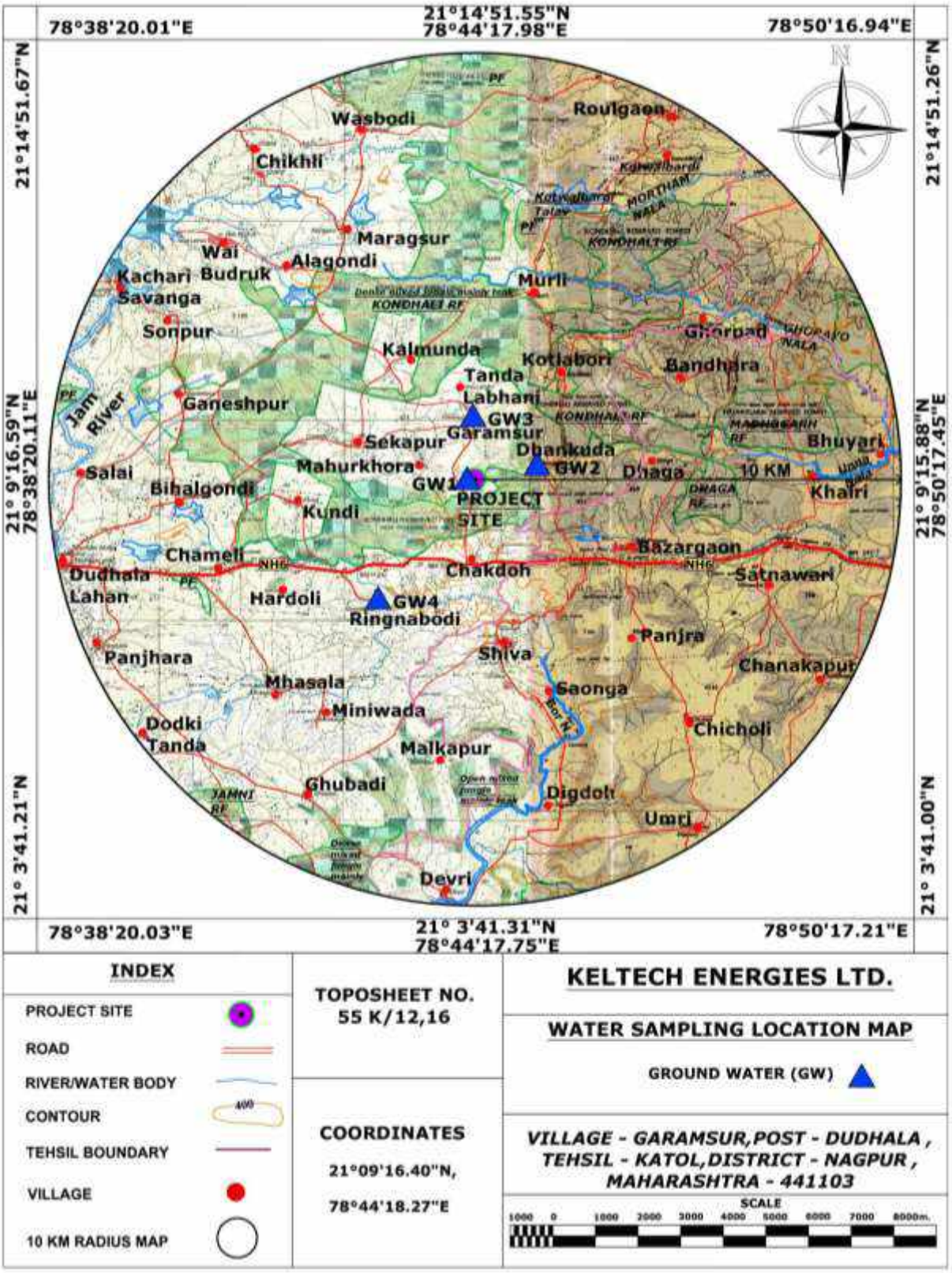

FIGURE 3: GROUND WATER SAMPLING LOCATIONS

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on the differences in the genetic and environmental factors. Thus some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various landuse conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure I & II.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

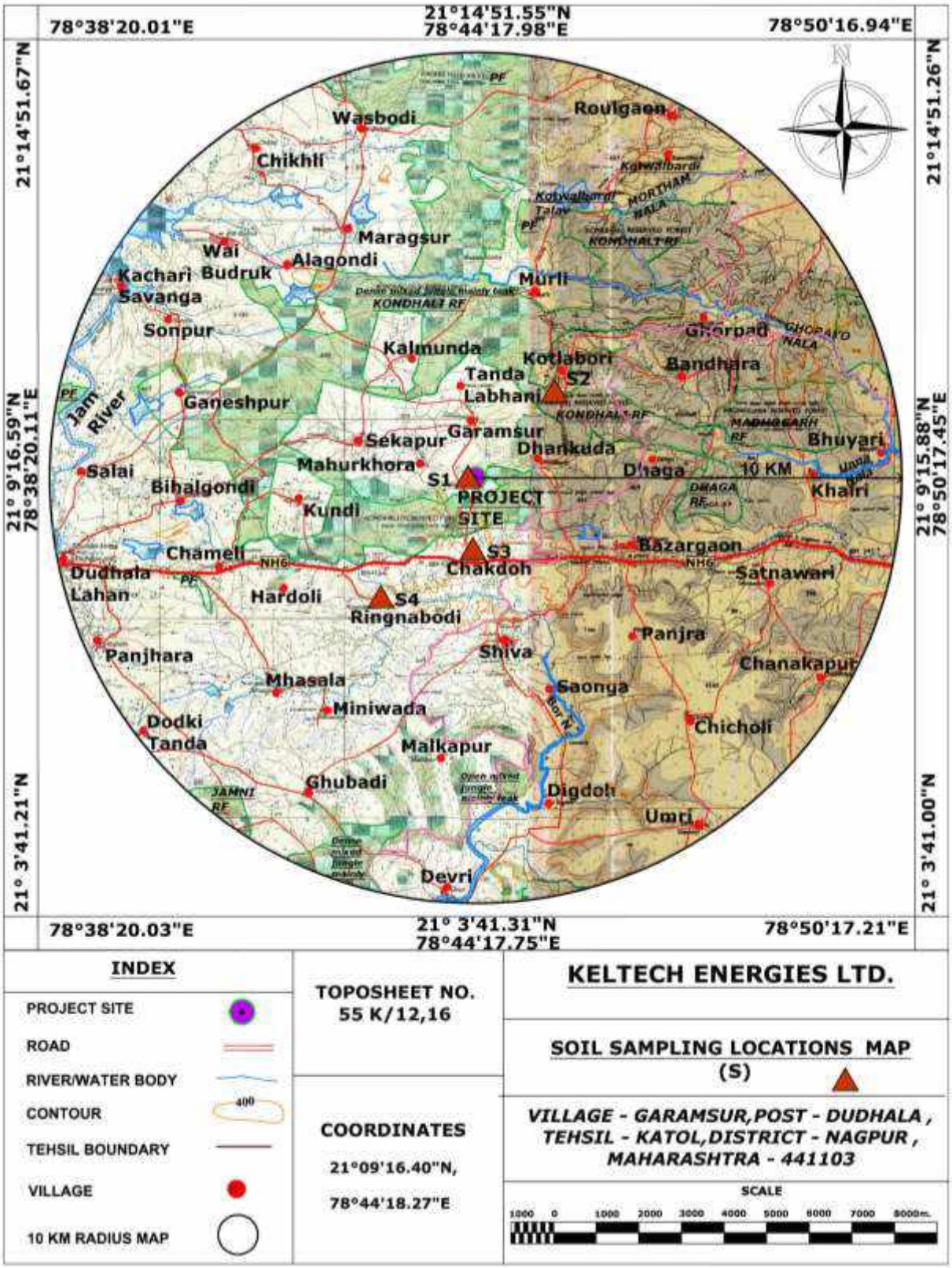

FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

SITE PHOTOGRAPHS

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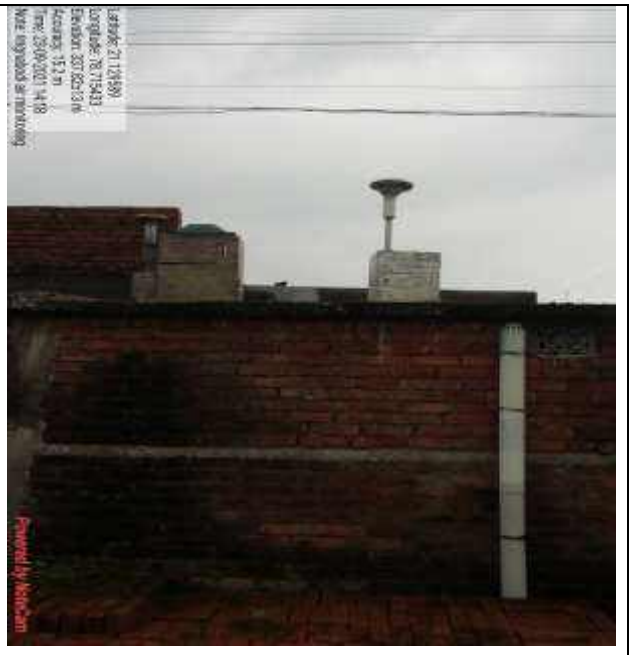
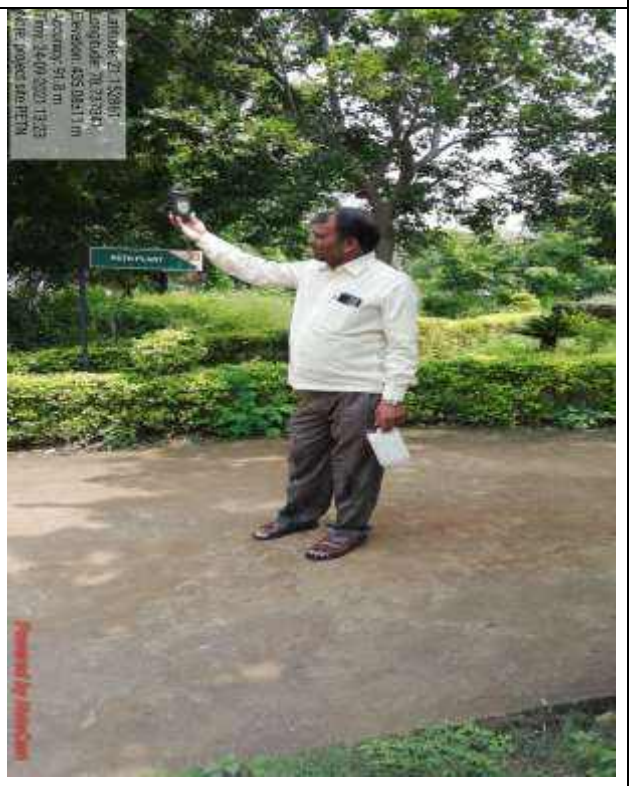
MONITORING PHOTOGRAPHS





PHOTOGRAPHS CER ACTIVITIES BY KELTECH

Painting Work Of Gram Panchayat School:

COVID-19 Aid provided to nearby Villages:

MARKSUR
SHOT ON MI 10I

GANESHPUR-
SHEKHAPUR
SHOT ON MI 10I

Annexure I

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (April 2021 to June 2021)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur-441103
State Maharashtra

EIA Consultant

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *info@anacon.in* , *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

June 2021

ANACONLABS
MARK OF PROGRESS FOR BETTER ENVIRONMENT & HEALTH
ANACON LABORATORIES PVT. LTD.
• ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified
• Recognized By Ministry of Environment & Forests (MoEF), New Delhi
• Approved by : Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report

Report Code: AN/AA/2021/01-1 **Issue Date:** 30/06/2021
Inward Number: 2021/EIA-21 **Inward Date:** 23/06/2021

Issued To **: M/s Keltech Energies Limited**
Mouza Garamsur, Post-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

RESULTS

SL No.	Sampling Location	Sampling Date	PM_{10} µg /m³	$PM_{2.5}$ µg /m³	SO_2 µg /m³	NO_2 µg /m³	CO mg /m³	O_3 µg /m³	NH_3 µg /m³	Pb µg /m³	As ng /m³	Ni ng /m³	C6H6 µg /m³	BaP ng /m³
1.	Main Gate	21/06/2021	63.7	28.1	12.4	24.9	0.307	6.4	11.6	0.18	ND	ND	ND	ND
2.	Process Area	21/06/2021	68.1	32.6	11.9	21.7	0.263	5.1	8.7	0.16	ND	ND	ND	ND
3.	Garamsur	21/06/2021	54.3	18.4	7.2	16.9	0.208	4.6	7.1	ND	ND	ND	ND	ND
4.	Mhasala	22/06/2021	51.9	16.8	6.4	17.2	0.192	4.8	6.3	ND	ND	ND	ND	ND
5.	Ringnabodi	22/06/2021	48.1	16.2	6.7	14.8	0.183	5.1	7.9	ND	ND	ND	ND	ND

Thanks for utilizing our services.

'ND' –Not detected.

For ANACON LABORATORIES PVT.LTD.

Verified by
Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

ANACONLABS
MARK OF PROGRESS FOR BETTER ENVIRONMENT & HEALTH
ANACON LABORATORIES PVT. LTD.
• ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified
• Recognized By Ministry of Environment & Forests (MoEF), New Delhi
• Approved by : Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Noise Study Report

Report Code: AN/AA/2021/01-2
Inward Number: 2021/EIA-21-N

Issue Date: 30/06/2021
Inward Date: 23/06/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	Results dB(A)	
			Leq day	Leq night
1.	Project Site-PETN	21/06/2021	57.1	43.8
2.	Project Site-Slurry	21/06/2021	51.6	42.9
3.	Project Site-Spining	21/06/2021	47.2	38.1
4.	Dhankuda	22/06/2021	48.7	37.4
5.	Garamsur	22/06/2021	52.8	41.9
Range				
CPCB Standards- dB(A)				
Commercial Area			**65**	**55**
Residential Area			**55**	**45**
Silence Zone			**50**	**40**

Thanks for utilizing our services.

For ANACON LABORATORIES PVT.LTD.

Verified by
Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Approved by : Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Report

Report No.: AN/SE/KEL/2021/01-3			Date: 30/06/2021
Issued to	M/s Keltech Energies Limited Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Anacon Representative
Sampling Location	Boiler (1 TPH)	Sample Quantity/ Packing	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	21/06/2021	Inward Number	2021/EIA-21/S1
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	23/06/2021
Date of Start of Analysis	24/06/2021	Date of Completion of Analysis	25/06/2021

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	112	IS:11255 (Part 3)
Flue gas velocity	m/s	8.91	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	13058.05	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10107.27	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	46.2	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	192.8	IS 11255 (Part 2)
Oxide of Nitrogen (NOx)	mg/Nm^3	116.4	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	437	Gas analyser

Thanks for utilizing our services.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

--------End of Report--------

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/01-S			Date: 30/06/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	21/06/2021	Inward Number	2021/EIA-21/S3
Sampling Procedure	As per Method Reference	Date of Receipt of Sample	23/06/2021
Date of Start of Analysis	24/06/2021	Date of Completion of Analysis	25/06/2021

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	146	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.25	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1892.59	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1346.04	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.14	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.013	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	gm/kw-h	0.148	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	387		Gas Analyser

Thanks for utilizing our services.

For ANACON LABORATORIES PVT.LTD.

Verified by

Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/01-4			Date: 30/06/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	21/06/2021	Inward Number	2021/EIA-21/S2
Sampling Procedure	As per Method Reference	Date of Receipt of Sample	23/06/2021
Date of Start of Analysis	24/06/2021	Date of Completion of Analysis	25/06/2021

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	124	-	IS:11255 (Part 3)
Flue gas velocity	m/s	12.57	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1463.33		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1098.42		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.094	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.016	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	gm/kw-h	0.74	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	328		Gas Analyser

Thanks for utilizing our services.

For ANACON LABORATORIES PVT.LTD.

Verified by

Mr. Sandip Bakde
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Export inspection council (EIC); AGMARK;

TEST REPORT

Test Report No. : ALPL/30062021/01-6 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-1	**Analysis Start**	24/06/2021
	Inward Date	23/06/2021	**Analysis End**	30/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative	Sampling Time 11.45 am to 4.30pm	Project Site

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.76 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	782.9
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.7
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	422
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	157.49
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	267.85
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	63.82
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	26.37
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.59
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	17.31
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	32.58
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	14.73
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	66.21
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.37
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	16.43
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'mg/l' is equivalent to 'ppm'. • BDL- Indicates Below detection limit. • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'

Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30062021/01-6 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-1	**Analysis Start** 24/06/2021
	Inward Date	23/06/2021	**Analysis End** 30/06/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative	Sampling Time 11.45 am to 4.30pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.24
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 ; 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **As per IS 10500 : 2012, for test no. 8 sample exceeds acceptable limit, however, the result is within permissible limit, indicating that with respect to the tested parameter, it can be used for drinking purpose in absence of an alternate source.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30062021/01-7 dated 30/06/2021

Issued To :	Sample Inward No.	2021/EIA-21-GW-2	Analysis Start	24/06/2021
M/s Keltech Energies Ltd,	Inward Date	23/06/2021	Analysis End	30/06/2021
Village-Garamsur, Teh-Katol,	Reference	KEL.PO.2021.00520		
Dist - Nagpur-441 103.	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L

Sample Collected By	Sampling Date	22/06/2021	Sampling Location
Anacon Representative	Sampling Time	11.45 am to 4.30pm	Dhankuru

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.68 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	737.6
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	413
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	168.46
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	191.28
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	57.39
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.64
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.16
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	39
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	28.93
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	16.57
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	41.68
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.29
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	17.32
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30062021/01-7 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-2	**Analysis Start** 24/06/2021
	Inward Date	23/06/2021	**Analysis End** 30/06/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	22/06/2021 11.45 am to 4.30pm	Dhankum

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Fecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	2.16
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.24
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Ma)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Fecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30062021/01-8 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-3	**Analysis Start** 24/06/2021
	Inward Date	23/06/2021	**Analysis End** 30/06/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	22/06/2021 11.45 am to 4.30pm	Garamsur

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.93 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	688.6
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	382
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	168.27
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	193.25
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	56.39
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.73
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.64
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	23
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	32.96
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	11.27
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	28.51
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.46
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	12.76
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK

TEST REPORT

Test Report No. : ALPL/30062021/01-8 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2021/EIA-21-GW-3 **Inward Date** 23/06/2021 **Reference** KEL:PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 24/06/2021 **Analysis End** 30/06/2021 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	22/06/2021 11.45 am to 4.30pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Fecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.17
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.24
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Fecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kalbane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30062021/01-9 dated 30/06/2021

Issued To :	Sample Inward No.	2021/EIA-21-GW-4	Analysis Start	24/06/2021
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Inward Date	23/06/2021	Analysis End	30/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	2 L

Sample Collected By	Sampling Date	22/06/2021	Sampling Location
Anacon Representative Mr. Priyansh Jain	Sampling Time	11.45 am to 4.30pm	Ringrabodi

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.31 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	536.7
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	332
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	136.52
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	178.13
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	47.91
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	14.21
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.87
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.93
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	21.64
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	11.39
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	43.58
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.29
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	18.64
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-21-GW-4	Analysis Start	24/06/2021
	Inward Date	23/06/2021	Analysis End	30/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	22/06/2021 / 11.45 am to 4.30pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Fecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.93
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.26
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Saashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30062021/01-10 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-WW1	**Analysis Start** 23/06/2021
	Inward Date	23/06/2021	**Analysis End** 28/06/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 22/06/2021 Sampling Time : 12.55 pm	Sampling Location
Anacon Representative Mr. Priyansh Jain		ETP Inlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 1983	6.67 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	1894
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	63
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	112.94
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	58.29
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	264.73
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	86.19

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By
Reshani Thakur
Sr. Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/30062021/01-11 dated 30/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-WW2	**Analysis Start** 23/06/2021
	Inward Date	23/06/2021	**Analysis End** 28/06/2021
	Reference	KEL.PO.2021.00520	
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Outlet Water	WW-2 Waste Water	2 L

Sample Collected By	Sampling Date : 22/06/2021 Sampling Time : 1.10 pm	Sampling Location
Anacon Representative		ETP Outlet

Tests Required : pH, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 1983	7.37 at 25°C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	493	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	26.82	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	11.94	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	21.7	250
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	6.94	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By
Roshani Thakur
Sr. Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/28062021/01-12 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S1	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.08520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	16.82
2	Bulk density	g/cm3	Lab-SOP	1.572
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.71
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	44.96
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.58
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.46
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.17 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	126.58
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.64
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.91
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	427.43
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	163.92
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	309.57
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	221.58

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : AI.PL/28062021/01-12 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Gamamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S1	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	237.41
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.68
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.73
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.91
18	Sodium adsorption ratio	-	By Calculation	27.31
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.26
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.68
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	119.27
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.68
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	204.73
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S1	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.08520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.18
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.91
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.73
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.64
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.82
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.17
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.96
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

NOTES: ●Please see watermark 'Original Test Report' to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'.

Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

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Dr. (Mrs.) S.D. Garway
Quality Manager

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We put in a lot of hard work to ensure that you have a seamless experience at every step of our relationship.
In order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in.

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/28062021/01-13 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S2	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	19.53
2	Bulk density	g/cm3	Lab-SOP	1.602
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.46
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.71
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.93
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.36
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.17 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	113.76
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	472.91
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	73.83
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	371.68
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.24
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.96
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	131.58

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

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Quality Manager

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TEST REPORT

Test Test Report No. : ALPL/28062021/01-13 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S2	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	127.64
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	68.19
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.81
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.43
18	Sodium adsorption ratio	-	By Calculation	22.72
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.12
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.52
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.73
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.39
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
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Quality Manager

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TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S2	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.17
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46.93
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.41
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.47
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.71
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.56
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks:As requested by the client, sample was tested for above parameters only.

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/28062021/01-14 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S3	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	Sampling Date : 22/06/2021 Sampling Time : 11.45 pm to 4.30pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative	53- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	16.82
2	Bulk density	g/cm3	Lab-SOP	1.567
3	Water holding capacity	%	Method Manual, Soil testing in India (Departmentt of agriculture & corporation, Govt of India)	26.46
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.81
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.52
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.67
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.16 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	182.73
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	342.96
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.71
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	407.28
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.73
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	307.91
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	218.37

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TEST REPORT

Issued To :	Sample Inward No.	2021/EIA-21-S3	Analysis Start	23/06/2021
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Inward Date	23/06/2021	Analysis End	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 22/06/2021 Sampling Time : 11.45 pm to 4.30pm	Quantity Received
Soil		2 Kg
Sample Collected By	**Sampling Location**	
Anacon Representative	S3- Chakdoh	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	224.73
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.94
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.28
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.17
18	Sodium adsorption ratio	-	By Calculation	26.98
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.24
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.57
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.93
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.73
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	10

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TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-21-S3	Analysis Start	23/06/2021
	Inward Date	23/06/2021	Analysis End	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 22/06/2021 Sampling Time : 11.45 pm to 4.30pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.18
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.64
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.39
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	27.51
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.69
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.82
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.17
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

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TEST REPORT

Test Report No. : ALPL/28062021/01-15 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Geramsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S4	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	18.51
2	Bulk density	g/cm3	Lab-SOP	1.646
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.58
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.94
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.43
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.63
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.82 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.68
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	462.94
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	56.73
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.69
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.57
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	163.82
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.97

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise • 'mg/kg' is equivalent to 'ppm'.

Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garwsy
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S4	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.00520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	171.68
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	67.29
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.58
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.76
18	Sodium adsorption ratio	-	By Calculation	16.24
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.19
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.47
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	137.68
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.32
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.94
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

NOTES: • Please see watermark 'Original Test Report' to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. • 'g/100 g' is equivalent to '%w/w'. • 'mg/kg' is equivalent to 'ppm'

Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/28062021/01-15 dated 28/06/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-S4	**Analysis Start**	23/06/2021
	Inward Date	23/06/2021	**Analysis End**	28/06/2021
	Reference	KEL.PO.2021.08520		
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 22/06/2021 **Sampling Time :** 11.45 pm to 4.30pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.18
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.82
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.96
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.73
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.82
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.68
35	Avrilable Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.51
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

NOTES:•Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • Liability of Anacon Labs is limited to invoiced amount only. • Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise • 'g/100 g' is equivalent to '%w/w'. • 'mg/kg' is equivalent to 'ppm'.

Remarks:As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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We put in a lot of hard work to ensure that you have a seamless experience at every step of our relationship.
In order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in.

Annexure II

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (July 2021 to September 2021)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur-441103
State Maharashtra

EIA Consultant

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, BS OHSAS 18001:2007
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
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Website: *www.anaconlaboratories.com*

SEPTEMBER 2021

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-September-2021

Report Code: ALPL/30092021/1-1 **Issue Date:** 30/09/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-26-1
Sample Description	: Ambient Air
Sample Drawn On	: 20/09/2021 to 21/09/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2021
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/09/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m³/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
W &WNW	3.6 m/sec	23	28	78	95
		23-28		78-95	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	57.2	µg /m³	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	26.8	µg /m³	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	13.6	µg /m³	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.7	µg /m³	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.281	mg /m³	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	0.21	µg /m³	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m³	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m³	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	8.4	µg /m³	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	12.9	µg /m³	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.03)	µg /m³	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m³	1.0 (annual)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BDL- Below detection limit ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-September-2021

Report Code: ALPL/30092021/1-2 Issue Date: 30/09/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-26-2
Sample Description	: Ambient Air
Sample Drawn On	: 20/09/2021 to 21/09/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2021
Sampling Location	: Process Area
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/09/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
W &WNW	3.6 m/sec	23	28	78	95
		23-28		78-95	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	61.4	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	31.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.4	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.3	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.257	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	0.18	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.6	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	8.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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* Expod Inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-September-2021

Report Code: ALPL/30092021/1-3

Issue Date: 30/09/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-26-3
Sample Description	: Ambient Air
Sample Drawn On	: 23/09/2021 to 24/09/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2021
Sampling Location	: **Garamsur**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/09/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.7 m/sec	23	29	73	95
		23-29		73-95	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM10)	IS:5182 (Part 23)	47.6	µg /m^3	100 (24 hrs)
2	Particulate Matter (PM2.5)	USEPA-40 (Part 50)	16.2	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	6.8	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	16.4	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.182	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	4.2	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	6.4	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Ambient Air Quality Analysis Report-September-2021

Report Code: ALPL/30092021/1-4 Issue Date: 30/09/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol. Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-26-4
Sample Description	: Ambient Air
Sample Drawn On	: 24/09/2021 to 25/09/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2021
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/09/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.4 m/sec	24	30	68	93
		24-30		68-93	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM10)	IS:5182 (Part 23)	52.7	µg /m^3	100 (24 hrs)
2	Particulate Matter (PM2.5)	USEPA-40 (Part 50)	18.3	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	16.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.194	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.1	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	7.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-September-2021

Report Code: ALPL/30092021/1-5 **Issue Date:** 30/09/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-26-5
Sample Description	: Ambient Air
Sample Drawn On	: 24/09/2021 to 25/09/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 25/09/2021
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANld/7.2/Mon-01
Analysis Duration	: 27/09/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.4 m/sec	24	30	68	93
		24-30		68-93	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM10)	IS:5182 (Part 23)	46.2	µg /m³	100 (24 hrs)
2	Particulate Matter (PM2.5)	USEPA-40 (Part 50)	14.7	µg /m³	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	6.7	µg /m³	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	15.8	µg /m³	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.171	mg /m³	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m³	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m³	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m³	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	4.9	µg /m³	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	6.8	µg /m³	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m³	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m³	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Report

Report No.: AN/SE/KEL/2021/1-7			Date: 30/09/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Anacon Representative
Sampling Location	Boiler (1 TPH)	Sample Quantity/ Packing	Thimble: 1 X 1 No. SO2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	23/09/2021	Inward Number	2021/EIA-26/S1
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	25/09/2021
Date of Start of Analysis	27/09/2021	Date of Completion of Analysis	28/09/2021

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	117	IS:11255 (Part 3)
Flue gas velocity	m/s	9.13	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	13379.40	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10223.23	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	43.1	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	187.6	IS 11255 (Part 2)
Oxide of Nitrogen (NOx)	mg/Nm^3	121.9	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	410	Gas analyser

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Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/1-8			Date: 30/09/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	23/09/2021	Inward Number	2021/EIA-26/52
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	25/09/2021
Date of Start of Analysis	27/09/2021	Date of Completion of Analysis	28/09/2021

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	127	-	IS:11255 (Part 3)
Flue gas velocity	m/s	13.42	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1562.84		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1164.32		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.081	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.014	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	gm/kw-h	0.76	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	310		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/1-9			Date: 30/09/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	23/09/2021	Inward Number	2021/EIA-26/S3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	25/09/2021
Date of Start of Analysis	27/09/2021	Date of Completion of Analysis	28/09/2021

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	153	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.48	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1919.65	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1342.86	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.13	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.011	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.157	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	390		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by

Sandip Bakde
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Noise Study Report

Report Code: AN/NE/2021/1-6
Inward Number: 2021/EIA-N-26

Issue Date: 30/09/2021
Inward Date: 25/09/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	23/09/2021	IS 9989:1981(R2001)	58.2	46.1
2.	Project Site-Slurry	23/09/2021		52.9	38.6
3.	Project Site-Spining	23/09/2021		48.1	37.2
4.	Dhankuda	24/09/2021		51.3	38.4
5.	Garamsur	24/09/2021		47.6	37.9
Range				47.6-58.2	37.2-46.1
CPCB Standards- dB(A)					
Industrial Area				75	70
Commercial Area				65	55
Residential Area				55	45
Silence Zone				50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • ND- Not detected.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Sandip Bakde
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

---End of Report---

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TEST REPORT

Test Report No. : ALPL/30092021/1-10 dated 30/09/2021

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-1	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L

Sample Collected By	**Sampling Date**	24/09/2021	**Sampling Location**
Anacon Representative	**Sampling Time**	11.45 am to 4.30pm	Project Site

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	8.14 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	816.2
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.9
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	457
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	164.27
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	198.82
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	58.27
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.94
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.81
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.24
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	34.93
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	12.81
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	54.76
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.29
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	13.77
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

Laboratory address : FP-34, 35, Food Park, 5 Star Industrial Estate, MIDC Butibori, Nagpur - 441 122.
Email : support@anacon.in;
Please Visit us at : www.anaconlaboratories.com

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/1-10 dated 30/09/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-I	**Analysis Start** 25/09/2021
	Inward Date	25/09/2021	**Analysis End** 30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Mr. Bhuvan Birghade	24/09/2021 11.45 am to 4.30pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.18
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

----End of Report----

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TEST REPORT

Test Report No. : ALPL/30092021/I-11 dated 30/09/2021

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-21-GW-2	Analysis Start	25/09/2021
	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue Date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L

Sample Collected By	Sampling Date	Sampling Location
Mr. Bhuvan Birghade	24/09/2021 Sampling Time 11.45 am to 4.30pm	Dhankura

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	8.16 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	824
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	461
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	171.68
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	195.10
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	57.21
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.68
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.81
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	27
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	26.91
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	14.58
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	27.19
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.24
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	15.36
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/1-11 dated 30/09/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2021/EIA-21-GW-2 **Inward Date** 25/09/2021 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 25/09/2021 **Analysis End** 30/09/2021 **Report Issue Date** 30/09/2021 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Mr. Bhuvan Birghade	24/09/2021 11.45 am to 4.30pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Feacal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.92
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

——End of Report——

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/1-12 dated 30/09/2021

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-3	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Mr. Bhuvan Birghade	24/09/2021 11.45 am to 4.30pm	Garamsur

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.87 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	728.1
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.7
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	408
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	153.49
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	185.86
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	54.73
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.94
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.07
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	26
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	16.73
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	9.52
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	24.73
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.38
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	11.92
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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* Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-21-GW-3	Analysis Start	25/09/2021
	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue Date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Mr. Bhuvan Birghade	24/09/2021 11.45 am to 4.30pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Feacal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.16
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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TEST REPORT

Test Report No. : ALPL/30092021/1-13 dated 30/09/2021

Issued To : M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-21-GW-4	**Analysis Start** 25/09/2021
	Inward Date	25/09/2021	**Analysis End** 30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	2 L

Sample Collected By	Sampling Date	Sampling Location
Mr. Bhuvan Birghade	24/09/2021	Ringnabodi
	Sampling Time 11.45 am to 4.30pm	

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.94 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	628.4
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	352
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	121.68
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	187.89
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	52.47
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.81
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	4.17
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	18.24
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	16.92
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	12.58
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	41.65
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.27
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	13.52
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

Laboratory address : FP-34, 35, Food Park, 6 Star Industrial Estate, MIDC Butibori, Nagpur - 441 122.
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• Export inspection council (EIC); AGMARK

TEST REPORT

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-21-GW-4	Analysis Start	25/09/2021
	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue Date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	2 L

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Mr. Bhuvan Birghade	24/09/2021 11.45 am to 4.30pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.2		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	1.87
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Feacal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/30092021/1-14 dated 30/09/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-WW1	**Analysis Start** 25/09/2021
	Inward Date	25/09/2021	**Analysis End** 30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 24/09/2021 Sampling Time : 12.40 pm	Sampling Location
Anacon Representative Mr. Bhuvan Birghade		ETP Inlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	Chemical Testing Pollution & Environment			
1	pH	-	IS 3025 (Part 11) : 1983	7.23 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	3994
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	75
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	121.52
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	64.29
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	2560
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	720

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By
Roshani Thakur
Sr. Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

----End of Report----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/ 1-15 dated 30/09/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-WW2	**Analysis Start** 25/09/2021
	Inward Date	25/09/2021	**Analysis End** 30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Outlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 24/09/2021 Sampling Time : 12.40 pm	Sampling Location
Anacon Representative Mr. Bhuvan Birghade		ETP Outlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 1983	7.26 at 25°C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	526	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	32.58	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	11.27	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	24.93	250
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	7.82	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified By
Roshani Thakur
Sr. Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/1-16 dated 30/09/2021

Issued To :	Sample Inward No.	2021/EIA-26-SI	Analysis Start	25/09/2021
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name Soil	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm	Quantity Received 1 Kg
Sample Collected By Anacon Representative Mr. Bhuvan Birghade	Sampling Location S1-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	18.94
2	Bulk density	g/cm3	Lab-SOP	1.510
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.19
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	40.69
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.99
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.32
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.34 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	247.6
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	950.1
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	144.54
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.6
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	73.25
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	434.42
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	696.2

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Pande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-S1	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date** : 24/09/2021 **Sampling Time** : 11.30 am to 4.20 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Bhuvan Birghade		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	65.11
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.44
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	480.12
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	72.11
18	Sodium adsorption ratio	-	By Calculation	4.28
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.19
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.63
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	358.5
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.17
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	410.24
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-S1	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL/PO/2021/00520	**Report Issue date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 24/09/2021 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Bhuvan Birghade	**Sampling Location** S1-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.30
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.48
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.32
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.38
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.23
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.43
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.48
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/1-17 dated 30/09/2021

Issued To :	Sample Inward No.	2021/EIA-26-S2	Analysis Start	25/09/2021
M/s Keltech Energies Ltd,	Inward Date	25/09/2021	Analysis End	30/09/2021
Village-Garamsur, Teh-Katol,	Reference	KEL.PO.2021.00520	Report Issue date	30/09/2021
Dist - Nagpur-441 103.	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Bhuvan Birghade	S2 Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	20.22
2	Bulk density	g/cm3	Lab-SOP	1.512
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.18
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	33.48
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.89
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.63
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.81 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	128.6
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	518
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	87.35
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	402.74
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.22
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	215
13	Water soluble Salphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	165.51

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Verified By

Roshani Thakur
Sr.Chemist

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To :	Sample Inward No.	2021/EIA-26-S2	Analysis Start	25/09/2021
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Bhuvan Birghade	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	213.04
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.43
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	236.11
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	50.82
18	Sodium adsorption ratio	-	By Calculation	21.04
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.75
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.93
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	124.8
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	15.81
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	322.8
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/30092021/I-17 dated 30/09/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-S2	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 24/09/2021 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Bhuvan Birghade	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.41
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.52
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.37
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.11
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.08
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.11
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.56
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Shashikant Satdeve
Sr.Chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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TEST REPORT

Test Report No. : ALPL/30I92021/1-18 dated 30/09/2021

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-26-83	Analysis Start	25/09/2021
	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Bhuvan Birghade	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	20.88
2	Bulk density	g/cm3	Lab-SOP	1.608
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	34.13
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	39.81
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.01
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	25.18
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.94 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	136.52
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	481
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.29
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	372.14
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	208.77
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	186
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.27

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Verified By

Roshani Thakur
Sr.Chemist

Magesh Pande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-S3	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Bhuvan Birghade	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	184.84
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	98.42
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	220.77
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.02
18	Sodium adsorption ratio	-	By Calculation	19.33
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.01
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.16
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	131.92
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.27
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.76
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Export inspection council (EIC); AGMARK

TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-26-S3	Analysis Start	25/09/2021
	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Bhuvan Birghade	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.52
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.27
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.81
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.16
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.69
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.47
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/30092021/1-19 dated 30/09/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-S4	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 24/09/2021 **Sampling Time :** 11.30 am to 4.20 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Bhuvan Birghade		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	19.91
2	Bulk density	g/cm3	Lab-SOP	1.545
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.66
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.68
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.19
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.13
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.21 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	148.26
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	503
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.93
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	381.51
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	246.91
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	168.24
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.73

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Verified By

Roshani Thakur
Sr.Chemist

Maagesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

Laboratory address : FP-34, 35, Food Park, 5 Star Industrial Estate, MIDC Butibori, Nagpur - 441 122.
Email : support@anacon.in;
Please Visit us at : www.anaconlaboratories.com

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-26-S4	**Analysis Start**	25/09/2021
	Inward Date	25/09/2021	**Analysis End**	30/09/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 24/09/2021 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Bhuvan Birghade	**Sampling Location** S4- Ringnabodi	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	188.34
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	118.7
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	168.27
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.94
18	Sodium adsorption ratio	-	By Calculation	19.64
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.84
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.17
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	143.52
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	291.68
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Roshani Thakur
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2021/EIA-26-S4	Analysis Start	25/09/2021
	Inward Date	25/09/2021	Analysis End	30/09/2021
	Reference	KEL.PO.2021.00520	Report Issue date	30/09/2021
	Reference Date	21-Oct-2020	Sample Category	Soil
Sample Name Soil	Sampling Date : 24/09/2021 Sampling Time : 11.30 am to 4.20 pm		Quantity Received 2 Kg	
Sample Collected By Anacon Representative Mr. Bhuvan Birghade		Sampling Location S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.34
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	14.27
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.94
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.17
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.52
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.41
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Shashikant Satdeve
Sr.Chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

——End of Report——

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ANNEXURE III

ADVERTISEMENT OF EC

Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

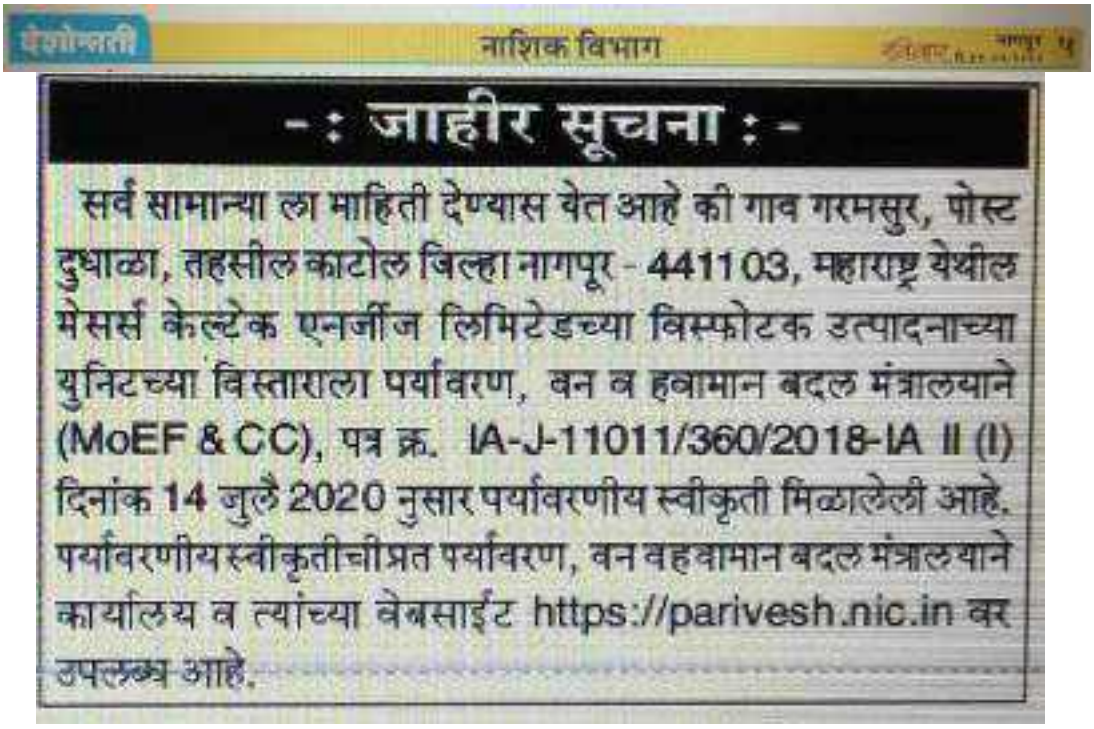
Please find attachment of Advertisement in two local newspapers

1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

नागपुर मेट्रो समाचार | नागपुर जिला / विदर्भ | 3

जाहिर सूचना

सार्वजनिक रूप से यह सूचित किया जाता है कि,ग्राम गरमसुर, पोस्ट दुधाला,तहसील काटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC),के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.



देशोन्नती | नाशिक विभाग

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील काटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृतीची प्रत पर्यावरण, वन व हवामान बदल मंत्रालयाने कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

Annexure IV

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)
NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Keltech Energies Ltd.		
Project Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2,151/1, 165,, Vill Garamsur, Ta. Katol,, Dist. Nagpur Pin 441302		
Village:	Garamsur	Block:	Katol
District:	Nagpur	State:	Maharashtra
Pin Code:			
Communication Address:	S. No. 149/1, 116. 146, 147, 148/1, 149/2, 151/1, 165, Village Garamsur Tahasil Katol, District Nagpur, Katol, Nagpur, Maharashtra - 441302		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1.	**NOC No.:**	CGWA/NOC/IND/REN/1/2021/5845			
2.	Application No.:	21-4/815/MH/IND/2017	3.	Category: (GWRE 2017)	Semi Critical
4.	Project Status:	Existing With Additional Ground Water Requirment	5.	NOC Type:	Renewal
6.	**Valid from:**	23/10/2019	7.	**Valid up to:**	22/10/2022

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
80.00	24000.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:2						**Total Proposed No.:1**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	1	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10.	Ground Water Abstraction/Restoration Charges paid (Rs.):	72000.00

11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism		
			Manual	DWLR**	DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	1	0	1	0

(Compliance Conditions given overleaf)

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Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

KELTECH ENERGIES LIMITED

Date: 29th Nov, 2022

To

The Director,
Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001

Sub: Submission of half-yearly compliance status report of Environmental Clearance conditions for the period **"April *2022 to September 2022*"** in respect of **M/s. Keltech Energies Limited, Nagpur**

Ref: EC Letter No. F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020

Dear Sir,

We are submitting herewith Six Monthly Compliance Report in respect of the stipulated Environmental Clearance conditions (soft copy) for the above mentioned period for **"Expansion of explosive product manufacturing unit** of M/s. Keltech Energies Limited at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur-441103" for your perusal and record.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental management practices.

Thanking you.

Yours faithfully,
For M/s. Keltech Energies Ltd.

(Dr. Atul P. Dwivedi)
Head- R&D (Explosives)

Encl: As above
Copy to:

1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003
2. MPCB, Udyog Bhavan, Civil Lines, Nagpur-440001

Vill: Garamsur, P.O. Dudhala-441103Teh: Katol, Dist, Nagpur, Maharashtra, INDIA. CIN : L30007KA1977PLC031660
Ph : 07122809200, 2809204 Fax : 0722809207 e-mail : grm@keltechenergies.com Web : www.keltechenerigies.com
Regd. Office : 7th Floor, Embassy Icon, No.3, Infantry Road, Bengaluru - 560 001, INDIA Tel : +91-80-22251451 email: info@keltechenergies.com

EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(April 2022 – September 2022)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

Environmental Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for 5(f) Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

DECEMBER – 2022

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INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala , Tehsil Katol under District Nagpur By M/s. Keltech Energies Limited of an areas of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, The entire effluent treated in ETP with capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.	There are only two sources of fugitive emissions-nitration and granulation. At both these

Sr. No.	EC Conditions	Compliance
		places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). Due to second wave of COVID-19 the project implementation has been delayed and phase-1 is completed in Mar-2022. The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents is reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures as per PESO guidelines
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent condensers with chilled brine circulation.

Sr. No.	EC Conditions	Compliance
x.	Total Fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/ CGWA	Agreed. CGWB NOC attached **Annexure IV**.
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places.(store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by-product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area,	Yes, condition being complied.

Sr. No.	EC Conditions	Compliance
	mainly along the plant periphery, in downward wind direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department.	
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed. Total expenditure as per CER budget so far Rs.28,68,974/-, details attached as **Annexure-V.**
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed. Under Process.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have prepared conservation plan and wildlife management plan and submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	Change. In case of Deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I and II.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular	Yes, being complied. Training is imparted to all employees on safety and health aspects of chemical

Sr. No.	EC Conditions	Compliance
	basis. Training to all employees on handling of chemicals shall be imparted.	handling.
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six month compliance report and EC to be published on the company website.	Yes agreed. This being the 3rd six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and

Sr. No.	EC Conditions	Compliance
		MPCB.
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure III.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity which will commence from Dec 2020 and expected completion Jan/ Feb 2022 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103 and Maharashtra. The project site lies at the Latitude: $21^0$09'16.40" N, and Longitude: $78^0$44'18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out.The site is located at The proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I & II.**

TABLE 2: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

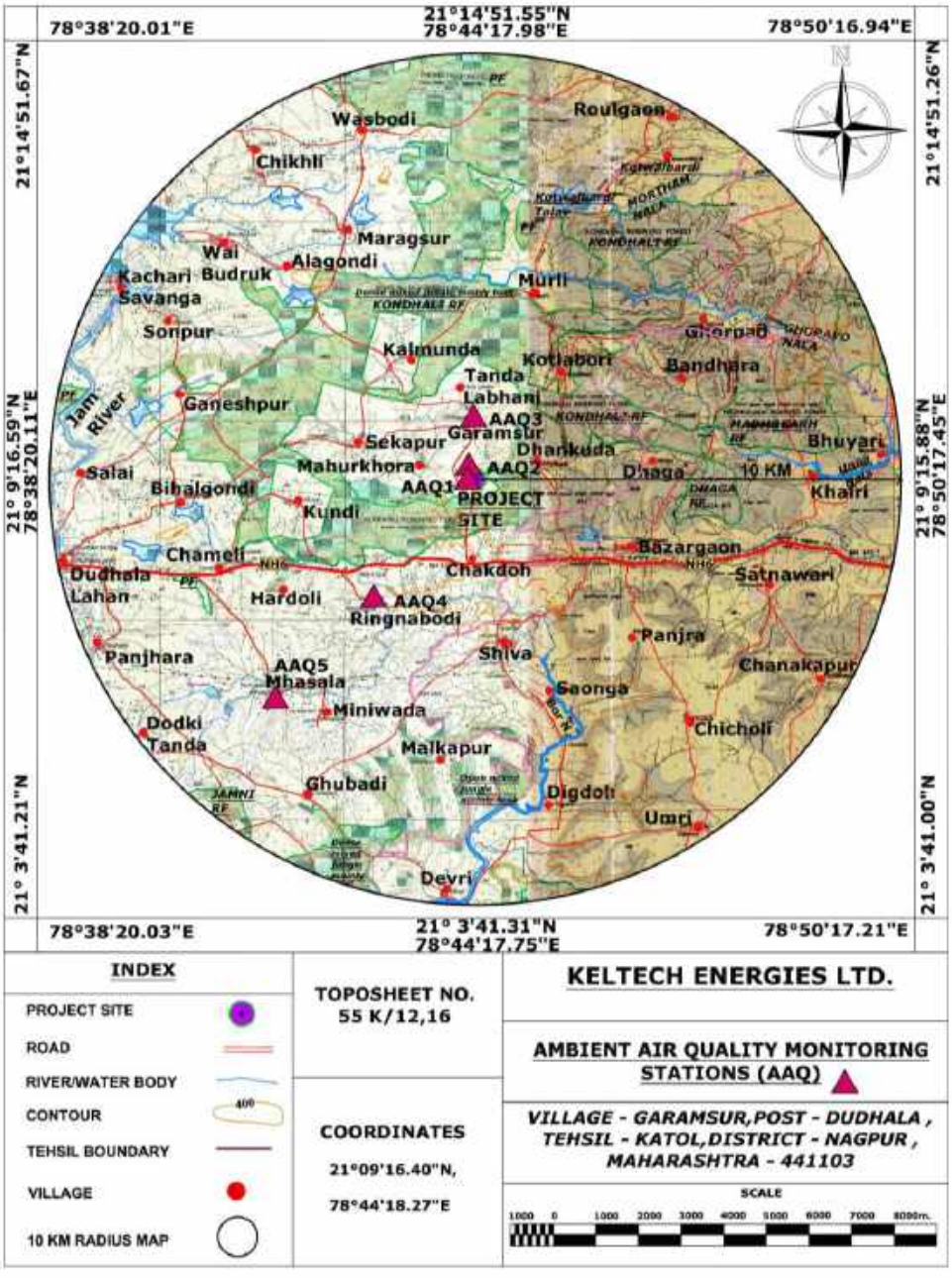

FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

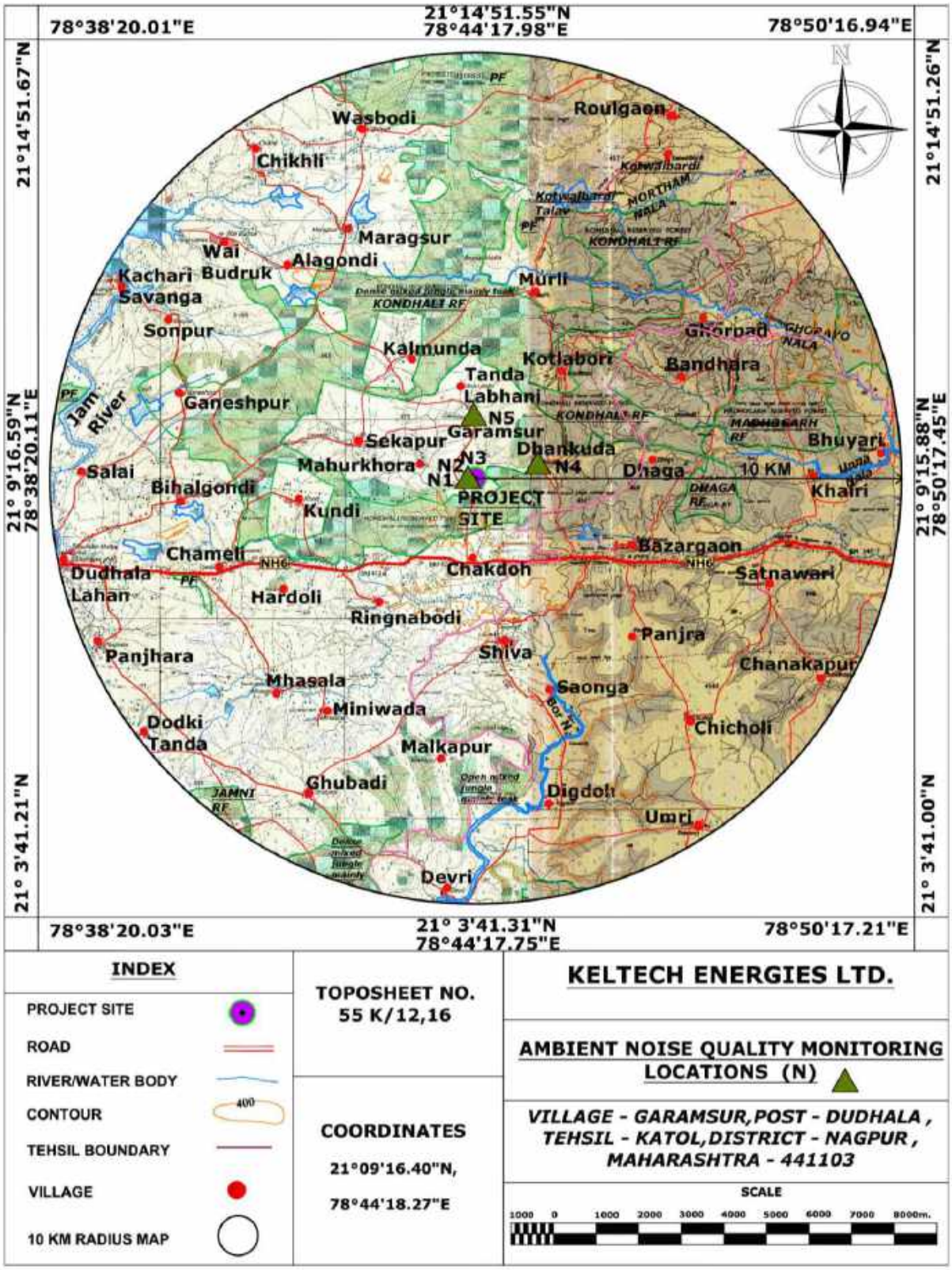

FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	12 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for Leq_{day} and Leq_{night}. The results are attached **Annexure I & II.**

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Surface and Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure I & II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

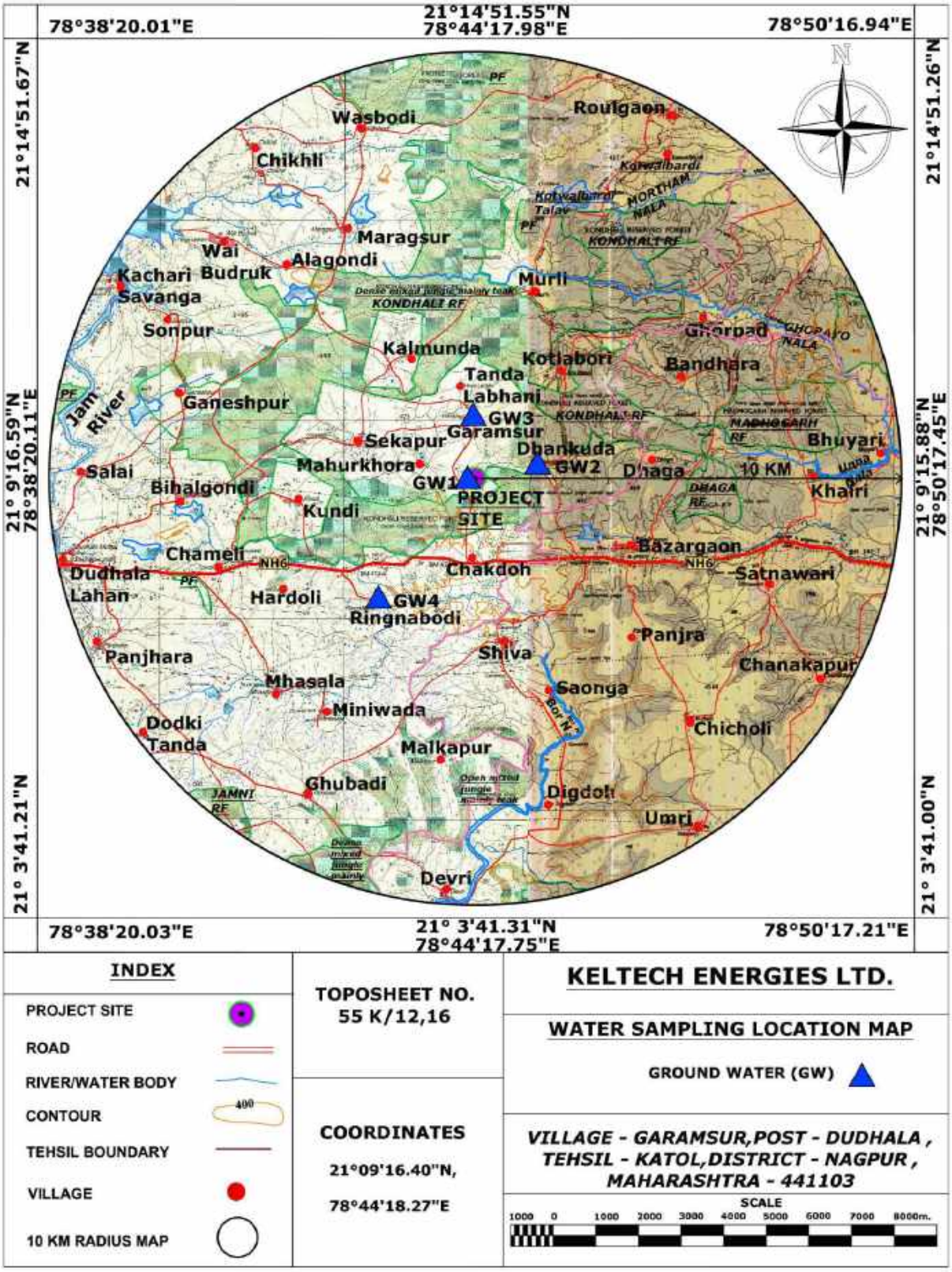

FIGURE 3: GROUND WATER SAMPLING LOCATIONS

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on the differences in the genetic and environmental factors. Thus some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various land use conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure I & II.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

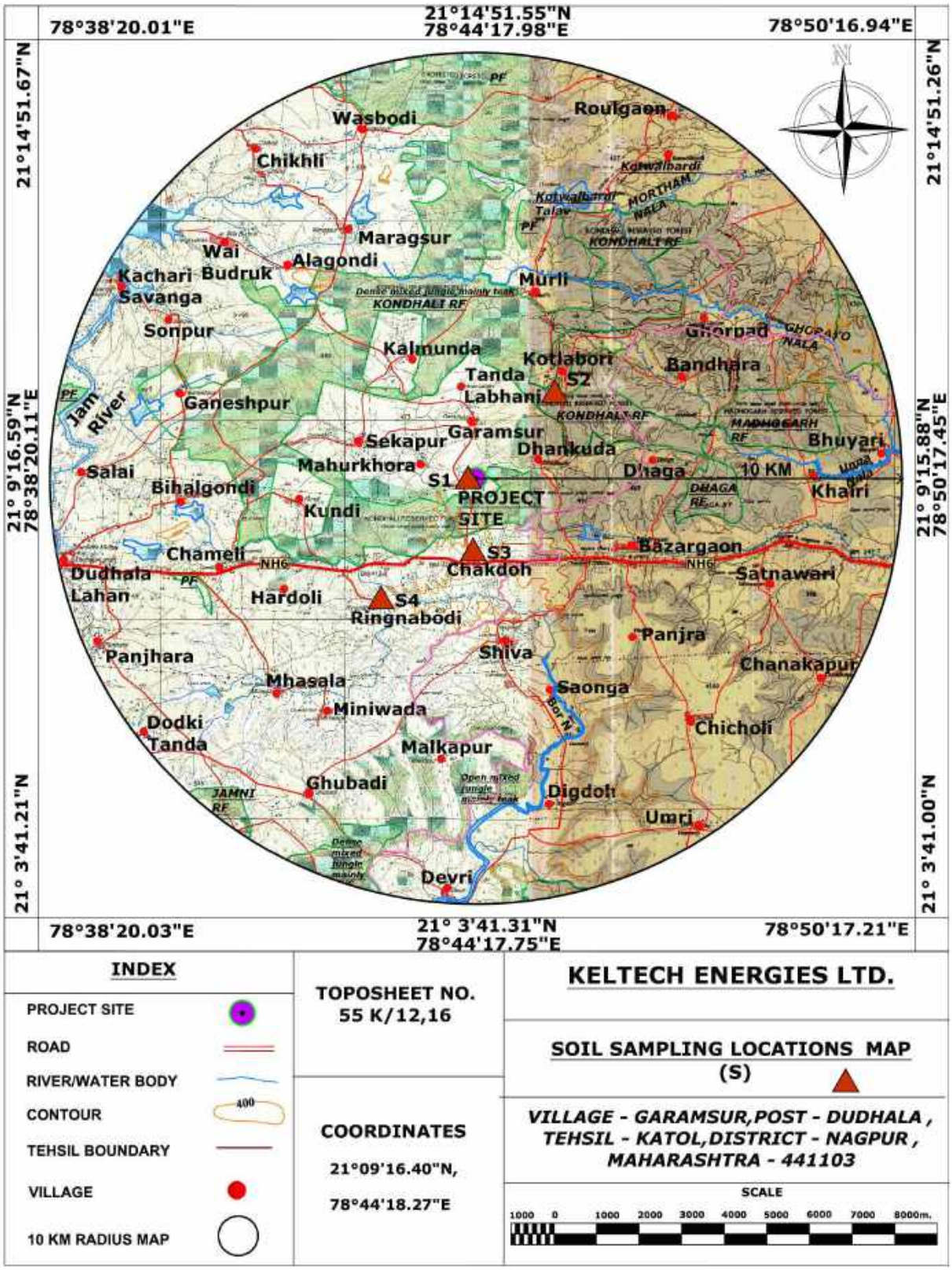

FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

SITE PHOTOGRAPHS

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<td>Green Belt</td>
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CER ACTIVITY PHOTOGRAPHS

Grampanchyat Garamsur Compound Wall

LED Street Light

MONITORING PHOTOGRAPHS

ANNEXURE – I

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (April 2022 to June 2022)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

JUNE – 2022

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-June-2022

Report Code: ALPL/20062022/1-1 **Issue Date:** 20/06/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-59-1
Sample Description	: Ambient Air
Sample Drawn On	: 06/06/2022 to 07/06/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/06/2022
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/// /Mon-01
Analysis Duration	: 13/06/2022 to 14/06/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.7 m/sec	34	48	32	81
		34-48		32-81	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	68.1	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	34.6	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	12.9	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	27.4	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.529	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	0.16	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	8.6	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	11.4	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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- Approved by : Food Safety & Standards Authority of India under FSS Act;
- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-June-2022

Report Code: ALPL/20062022/1-2 **Issue Date:** 20/06/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-59-2
Sample Description	: Ambient Air
Sample Drawn On	: 06/06/2022 to 07/06/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/06/2022
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 13/06/2022 to 14/06/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.7 m/sec	34	48	32	81
		34-48		32-81	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	57.3	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	26.4	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.1	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.8	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.547	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	0.14	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.3	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.8	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng/m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-June-2022

Report Code: ALPL/20062022/1-3 **Issue Date:** 20/06/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-59-3
Sample Description	: Ambient Air
Sample Drawn On	: 08/06/2022 to 09/06/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/06/2022
Sampling Location	: **Garamsur**
Sampling Plan & Procedure	: ANtd/7.2/Mon 01
Analysis Duration	: 13/06/2022 to 14/06/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.1 m/sec	32	45	36	84
		32-45		36-84	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	54.6	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.8	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.3	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	17.4	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.501	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.1	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	7.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

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Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

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Ambient Air Quality Analysis Report-June-2022

Report Code: ALPL/20062022/1-4 **Issue Date:** 20/06/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No. : 2022/EIA-59-4
Sample Description : Ambient Air
Sample Drawn On : 08/06/2022 to 09/06/2022
Sample Drawn By : Anacon Representative
Sample Received On : 11/06/2022
Sampling Location : **Mhasala**
Sampling Plan & Procedure : ANtd/7.2/Mon 01
Analysis Duration : 13/06/2022 to 14/06/2022
Sampling Time : 24 Hrs.
Average Flow Rate of SPM : 1.3 (m^3/min)
Average Flow Rate of Gases : 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.1 m/sec	32	45	36	84
		32-45		36-84	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	51.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	15.6	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	6.4	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	16.1	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.516	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.7	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	7.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Ambient Air Quality Analysis Report-June-2022

Report Code: ALPL/20062022/1-5 **Issue Date:** 20/06/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-59-5
Sample Description	: Ambient Air
Sample Drawn On	: 08/06/2022 to 09/06/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/06/2022
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 13/06/2022 to 14/06/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.1 m/sec	32	45	36	84
		32-45		36-84	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	52.6	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	17.1	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.7	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.506	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.2	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	8.4	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

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Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Approved by:- Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Noise Study Report

Report Code: ALPL/20062022/1-6 **Issue Date:** 20/06/2022

Inward Number: 2022/EIA-N-59 **Inward Date:** 11/06/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	06/06/2022	IS 9989:1981 (R2001)	64.7	53.8
2.	Project Site-Slurry	06/06/2022		57.2	46.3
3.	Project Site-Spining	06/06/2022		54.8	42.7
4.	Dhankuda	08/06/2022		47.3	38.6
5.	Garamsur	08/06/2022		51.1	42.4
Range				**47.3-64.7**	**38.6-53.8**
CPCB Standards- dB(A)					
Industrial Area				75	70
Commercial Area				65	55
Residential Area				55	45
Silence Zone				50	40

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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- Export Inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Report

Report No.: AN/SE/KEL/2022/1-7			**Date:** 20/06/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	06/06/2022	**Inward Number**	2022/EIA-59/S1
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	11/06/2022
Date of Start of Analysis	13/06/2022	**Date of Completion of Analysis**	14/06/2022

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	124	IS:11255 (Part 3)
Flue gas velocity	m/s	9.37	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	13733.71	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10308.93	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	43.8	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	176.2	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	mg/Nm^3	104.9	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	320	Gas analyser

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-8			Date: 20/06/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	06/06/2022	Inward Number	2022/EIA-59/S2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	11/06/2022
Date of Start of Analysis	13/06/2022	Date of Completion of Analysis	14/06/2022

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	116	-	IS:11255 (Part 3)
Flue gas velocity	m/s	11.46	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1334.72		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1022.48		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.064	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.09	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.73	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	240		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-9			Date: 20/06/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	06/06/2022	Inward Number	2022/EIA-59/S3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	11/06/2022
Date of Start of Analysis	13/06/2022	Date of Completion of Analysis	14/06/2022

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Paramotor	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	172	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.65	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1938.78	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1298.33	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.14	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.013	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.184	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	360		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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TEST REPORT

Test Report No. : ALPL/20062022/1-10 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-1	**Analysis Start** 11/06/2022
	Inward Date	11/06/2022	**Analysis End** 16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 20/06/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Modassar	**Sampling Date** 06/06/2022 **Sampling Time** 11.45 am to 3.10 pm	Project Site

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.82 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	671.46
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	376
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	176.29
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	192.35
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	54.73
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.52
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.41
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	11.94
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	16.82
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.26
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	31.74
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	12.58
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-1	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative Mr. Modassar	06/06/2022 / 11.45 am to 3.10 pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.47
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.18
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

----End of Report-----

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TEST REPORT

Test Report No. : ALPL/20062022/1-11 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-2	**Analysis Start** 11/06/2022
	Inward Date	11/06/2022	**Analysis End** 16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 20/06/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By			Sampling Location
Anacon Representative Mr. Modassar	**Sampling Date** 08/06/2022 **Sampling Time** 12.20 pm to 4.20 pm		Dhankura

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	6.87 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	481.63
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.1
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	270
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	164.29
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	168.37
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	46.52
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.68
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.14
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.43
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	18.59
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.16
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	24.72
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	13.57
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

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TEST REPORT

Test Report No. : ALPL/20062022/1-11 dated 20/06/2022

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-2	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	08/06/2022	**Sampling Location**
Anacon Representative Mr. Modassar	**Sampling Time**	12.20 pm to 4.20 pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.34
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.18
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-12 dated 20/06/2022

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-3	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Modassar	**Sampling Date**	08/06/2022	Garamsur
	Sampling Time	12.20 pm to 4.20 pm	

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.94 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	436.71
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	245
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	156.39
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	182.89
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.97
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.68
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.14
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.53
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	12.76
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.94
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	24.76
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.21
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	18.32
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL (DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-12 dated 20/06/2022

Issued To : **M/s Kelteeh Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-3	**Analysis Start** 11/06/2022
	Inward Date	11/06/2022	**Analysis End** 16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 20/06/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By			Sampling Location
Anacon Representative Mr. Modassar	**Sampling Date**	08/06/2022	Garamsur
	Sampling Time	12.20 pm to 4.20 pm	

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.27
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.18
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-13 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-GW-4	**Analysis Start** 11/06/2022
	Inward Date	11/06/2022	**Analysis End** 16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 20/06/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Modassar	**Sampling Date** 08/06/2022 **Sampling Time** 12.20 pm to 4.20 pm	Ringnabodi

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	6.97 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	472.81
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	265
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	173.94
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	180.53
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	48.36
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	14.52
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.19
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	11.64
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	18.32
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.16
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	24.53
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	11.57
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2022/EIA-59-GW-4 **Inward Date** 11/06/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 11/06/2022 **Analysis End** 16/06/2022 **Report Issue Date** 20/06/2022 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative Mr. Modassar	08/06/2022 12.20 pm to 4.20 pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.37
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0 16
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent.
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/20062022/1-14 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2022/EIA-59-WWI **Inward Date** 11/06/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 11/06/2022 **Analysis End** 15/06/2022 **Report Issue Date** 20/06/2022 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 08/06/2022 Sampling Time : 10.50 am	Sampling Location
Anacon Representative Mr. Modassar		ETP Inlet

Tests Required : pH , Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 1983	6.48 at 25^{0}C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	4391
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	87
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	126.77
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	71.56
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	2184
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	729

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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- Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-15 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2022/EIA-59-WW2 **Inward Date** 11/06/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 11/06/2022 **Analysis End** 15/06/2022 **Report Issue Date** 20/06/2022 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Outlet Water	WW-2 Waste Water	2 L

Sample Collected By	Sampling Date / Time	Sampling Location
Anacon Representative Mr. Modassar	**Sampling Date :** 08/06/2022 **Sampling Time :** 10.50 am	ETP Outlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 1983	7.21 at 25^{0}C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	738	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	43.94	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	13.81	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	53.76	250
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	16.42	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-16 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S1	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date :** 06/06/2022 **Sampling Time :** 11.20am		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Modassar		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	18.52
2	Bulk density	g/cm3	Lab-SOP	1.517
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.46
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.59
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.16
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.25
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.87 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.52
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	793.46
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	156.28
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.54
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	73.96
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	347.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	409.26

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S1	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 06/06/2022 **Sampling Time :** 11.20am		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Modassar		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	51.82
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.46
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	421.59
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	68.27
18	Sodium adsorption ratio	-	By Calculation	2.51
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.16
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.38
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	346.59
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	437.82
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-16 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S1	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 06/06/2022 **Sampling Time :** 11.20am		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Modassar		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.27
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.49
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.94
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.76
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.21
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.16
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.48
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-17 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S2	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/06/2022 **Sampling Time :** 11.25am to 4.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Modassar	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	21.87
2	Bulk density	g/cm3	Lab-SOP	1.726
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	24.93
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.58
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	27.43
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	40.99
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.97 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	162.81
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	481.93
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.57
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.36
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	264.92
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	204.19
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.27

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/20062022/1-17 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S2	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 08/06/2022 **Sampling Time :** 11.25am to 4.10 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Modassar	**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	239.63
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.76
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	241.87
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	53.29
18	Sodium adsorption ratio	-	By Calculation	14.71
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.46
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.39
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.52
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.31
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.54
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S2	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/06/2022 **Sampling Time :** 11.25am to 4.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Modassar	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.28
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.32
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.21
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.81
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.36
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.14
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.37
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-18 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S3	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/06/2022 **Sampling Time :** 11.25am to 4.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Modassar	S3- Chakdoh

TEST RESULTS

S N	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	21.52
2	Bulk density	g/cm3	Lab-SOP	1.657
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.81
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.68
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	34.93
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.39
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.82 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	271.68
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	452.39
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.17
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	312.81
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.93
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	163.81

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S3	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date : 08/06/2022** **Sampling Time : 11.25am to 4.10 pm**	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Modassar	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	151.68
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.72
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	238.16
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.91
18	Sodium adsorption ratio	-	By Calculation	21.43
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.84
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.27
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.93
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.52
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	271.68
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'

Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Approved by : Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2022/EIA-59-S3	Analysis Start	11/06/2022
	Inward Date	11/06/2022	Analysis End	16/06/2022
	Reference	KEL.PO.2021.00520	Report Issue date	20/06/2022
	Reference Date	21-Oct-2020	Sample Category	Soil

Sample Name	Sampling Date : 08/06/2022 Sampling Time : 11.25am to 4.10 pm	Quantity Received
Soil		2 Kg

Sample Collected By	Sampling Location
Anacon Representative Mr. Modassar	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.24
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	14.73
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.39
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.71
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.46
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.87
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.29
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/20062022/1-19 dated 20/06/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S4	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 08/06/2022 **Sampling Time :** 11.25am to 4.10 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Modassar		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	16.92
2	Bulk density	g/cm3	Lab-SOP	1.537
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.43
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.76
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.81
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	30.43
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25^{0}C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.97 at 25^{0}C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	281.64
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	439.27
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.81
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.93
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	281.68
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	147.31
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	108.53

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S4	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 08/06/2022** **Sampling Time : 11.25am to 4.10 pm**		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Modassar		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.93
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	227.43
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	58.16
18	Sodium adsorption ratio	-	By Calculation	16.93
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.76
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.57
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.93
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	23.58
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.91
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Shubhangi Armarkar
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-59-S4	**Analysis Start**	11/06/2022
	Inward Date	11/06/2022	**Analysis End**	16/06/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	20/06/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 08/06/2022 **Sampling Time :** 11.25am to 4.10 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Modassar		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.24
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11.37
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.26
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.59
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.18
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.17
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.28
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'.

Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

ANNEXURE – II

REPORT ON QUARTERLY ENVIRONMENTAL MONITORING (July 2022 to September 2022)

of

M/S. KELTECH ENERGIES LIMITED

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur – 441 103
State Maharashtra

EIA Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
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September – 2022

Anacon Laboratories Pvt. Ltd.

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Test Report

Ambient Air Quality Analysis Report-September-2022

Report Code: ALPL/30092022/1-1 **Issue Date:** 30/09/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/19092022/ENV-127-AAQ-1
Sample Description	: Ambient Air
Sample Drawn On	: 14/09/2022 to 15/09/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 19/09/2022
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 20/09/2022 to 21/09/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	5.0 m/sec	23	28	27	89
		23-28		27-89	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	67.2	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	28.1	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	13.8	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	31.7	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.451	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	0.18	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	9.3	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	12.6	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

for Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

Test Report

Ambient Air Quality Analysis Report-September-2022

Report Code: ALPL/30092022/1-2 **Issue Date:** 30/09/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/19092022/ENV-127-AAQ-2
Sample Description	: Ambient Air
Sample Drawn On	: 14/09/2022 to 15/09/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 19/09/2022
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 20/09/2022 to 21/09/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
WSW	5.0 m/sec	23	28	27	89
		23-28		27-89	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	54.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.9	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.251	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.4	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.2	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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Anacon Laboratories Pvt. Ltd.

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+ 91 8045685558 Email : info@anacon.in
https: // www.anaconlaboratories.com

Test Report

Ambient Air Quality Analysis Report-September-2022

Report Code: ALPL/30092022/1-3 **Issue Date:** 30/09/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/19092022/ENV-127-AAQ-3
Sample Description	: Ambient Air
Sample Drawn On	: 15/09/2022 to 16/09/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 19/09/2022
Sampling Location	: **Garamsur**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 20/09/2022 to 21/09/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	5.0 m/sec	23	28	34	87
		23-28		34-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	46.3	µg /m^3	100 (24 hrs)
2	Particulate Matter (PM_{25})	USEPA-40 (Part 50)	15.8	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.1	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.3	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.176	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.1	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	8.4	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● BDL- Below detection limit ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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Test Report

Ambient Air Quality Analysis Report-September-2022

Report Code: ALPL/30092022/1-4 **Issue Date:** 30/09/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/19092022/ENV-127-AAQ-4
Sample Description	: Ambient Air
Sample Drawn On	: 15/09/2022 to 16/09/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 19/09/2022
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 20/09/2022 to 21/09/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	5.0 m/sec	23	28	34	87
		23-28		34-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	51.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.3	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.4	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.182	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.7	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	9.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

for Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Ambient Air Quality Analysis Report-September-2022

Report Code: ALPL/30092022/1-5 **Issue Date:** 30/09/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: ALPL/19092022/ENV-127-AAQ-5
Sample Description	: Ambient Air
Sample Drawn On	: 16/09/2022 to 17/09/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 19/09/2022
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 20/09/2022 to 21/09/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
SW	5.8 m/sec	23	27	27	90
		23-27		27-90	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	53.6	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	17.2	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.1	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.7	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.172	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	Lab SOP: ANtr/7.2/RES-INORG/10	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.2	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	CPCB Guidelines Volume 1	8.7	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	Lab SOP: ANtr/7.2/RES/28	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	Lab SOP: ANtr/7.2/RES/29	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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Test Report

Noise Study Report

Report Code: ALPL/30092022/1-6 **Issue Date:** 30/09/2022
Inward Number: ALPL/19092022/ENV-N-127 **Inward Date:** 19/09/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	14/09/2022	IS 9989:1981 (R2001)	61.3	52.9
2.	Project Site-Slurry	14/09/2022		58.6	43.1
3.	Project Site-Spining	15/09/2022		54.9	41.6
4.	Dhankuda	15/09/2022		48.2	39.7
5.	Garamsur	16/09/2022		52.8	41.3
Range				**48.2-61.3**	**39.7-52.9**
CPCB Standards- dB(A)					
Industrial Area				**75**	**70**
Commercial Area				**65**	**55**
Residential Area				**55**	**45**
Silence Zone				**50**	**40**

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Stack Emission Report

Report No.: AN/SE/KEL/2022/1-7			**Date:** 30/09/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	14/09/2022	**Inward Number**	ALPL/19092022/ENV-127-S1
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	19/09/2022
Date of Start of Analysis	20/09/2022	**Date of Completion of Analysis**	21/09/2022

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	118	IS:11255 (Part 3)
Flue gas velocity	m/s	9.30	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	13629.54	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10387.73	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	46.2	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	181.6	IS 11255 (Part 2)
Oxide of Nitrogen (NOx)	mg/Nm^3	112.7	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	280	Gas analyser

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Verified by

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(Technical Manager)

Authorized Signatory

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(Quality Manager)

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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-8			Date: 30/09/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	14/09/2022	**Inward Number**	ALPL/19092022/ENV-127-2
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	19/09/2022
Date of Start of Analysis	20/09/2022	**Date of Completion of Analysis**	21/09/2022

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	124	-	IS:11255 (Part 3)
Flue gas velocity	m/s	12.62	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1470.22		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1103.59		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.058	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.07	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.64	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	247		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
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Test Report

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-9			Date: 30/09/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	14/09/2022	Inward Number	ALPL/19092022/ENV-127-3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	19/09/2022
Date of Start of Analysis	20/09/2022	Date of Completion of Analysis	21/09/2022

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	184	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.35	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1904.65	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1241.98	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.16	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.009	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.173	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	340		Gas Analyser

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Remark: - All Results are within Limit as per Standards.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

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(Quality Manager)

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Test Report

Test Report No. : ALPL/30092022/1-10 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-GW-1	**Analysis Start** 20/09/2022
	Inward Date	19/09/2022	**Analysis End** 26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 14/09/2022 **Sampling Time** 12.20 pm	Project Site

Tests Required : Total coliform, Faecal coliform. pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.38 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	592.81
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	332
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	164.29
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	186.85
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.91
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.68
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.16
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	9.52
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	21.43
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.17
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	32.68
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.24
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	11.61
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
for

Shubhangi Armarkar
(Technical Manager)

Authorized Signatories

Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Test Report No. : ALPL/30092022/1-10 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/19092022/ENV-127-GW-1 **Inward Date** 19/09/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 20/09/2022 **Analysis End** 26/09/2022 **Report Issue Date** 30/09/2022 **Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 14/09/2022 **Sampling Time** 12.20 pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.28
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise. ● 'mg/l' is equivalent to 'ppm'. ● MPN indicates most probable number. ● BDL- Indicates Below detection limit. ● DL- Indicates detection limit of instrument/method and shall be considered as 'absent'

REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/1-11 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-GW-2	**Analysis Start** 20/09/2022
	Inward Date	19/09/2022	**Analysis End** 26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 15/09/2022 **Sampling Time** 12.50 pm	Dhankura

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.87 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	452.81
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.1
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	258
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	187.52
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	168.04
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	48.26
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.54
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.31
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	8.54
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	16.32
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.81
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	18.43
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	9.57
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
for
Shubhangi Armarkar
(Technical Manager)

Authorized Signatories

Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Garware
(Quality Manager)

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Test Report

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-GW-2	**Analysis Start** 20/09/2022
	Inward Date	19/09/2022	**Analysis End** 26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Time** 12.50 pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.27
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/1-12 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-GW-3	**Analysis Start** 20/09/2022
	Inward Date	19/09/2022	**Analysis End** 26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		Sampling Location
Anacon Representative Mr. Satish Pustode	**Sampling Date** 15/09/2022 **Sampling Time** 1.20 pm	Garamsur

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	7.14 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	394.26
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.2
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	225
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	161.87
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	179.42
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	52.81
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.54
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.16
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	7.29
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	11.32
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	6.46
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	17.24
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.13
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	6.91
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
for
Shubhangi Armarkar
(Technical Manager)

Authorized Signatories

Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Garway
(Quality Manager)

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Test Report

Test Report No. : ALPL/30092022/1-12 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/19092022/ENV-127-GW-3 **Inward Date** 19/09/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 20/09/2022 **Analysis End** 26/09/2022 **Report Issue Date** 30/09/2022 **Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 15/09/2022 **Sampling Time** 1.20 pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.34
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092022/1-13 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-GW-4	**Analysis Start** 20/09/2022
	Inward Date	19/09/2022	**Analysis End** 26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative Mr. Satish Pustode	**Sampling Date** 16/09/2022 **Sampling Time** 3.30 pm	Ringnabodi

Tests Required : Total coliform, Faecal coliform, pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
I	**Biological Testing 1. Water**					
1	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
2	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)
II	**Chemical Testing 1. Water**					
3	pH	-	IS 3025 (Part 11) : 2022	6.5 to 8.5	No relaxation	6.72 at 25°C
4	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	346.29
5	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
6	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.2
7	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	197
8	Total Suspended Solids	mg/l	IS 3025 (Part 17) :2022	--	--	BDL(DL-10)
9	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	181.62
10	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	169.89
11	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	47.29
12	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.58
13	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.71
14	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	8.16
15	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 2022	200	400	12.58
16	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.19
17	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	16.24
18	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
19	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	7.28
20	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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for Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatories

Pooja Kathane
(Technical Manager)

Dr. (Mrs.) S.D. Gurway
(Quality Manager)

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Test Report

Test Report No. : ALPL/30092022/1-13 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/19092022/ENV-127-GW-4 **Inward Date** 19/09/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 20/09/2022 **Analysis End** 26/09/2022 **Report Issue Date** 30/09/2022 **Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By		Sampling Location
Anacon Representative Mr. Satish Pustode	**Sampling Date** 16/09/2022 **Sampling Time** 3.30 pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium,

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500 : 2012 (Drinking Water Specifications) Including Amendment No. 4		Test Result
				Acceptable Limit	Permissible Limit #	
II	**Chemical Testing** **2. Residues In Water**					
21	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	BDL(DL-0.1)
22	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.37
23	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
24	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
25	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
26	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
27	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
28	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
29	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
30	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
31	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is** for drinking purpose with respect to tested parameters.

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/1-14 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-WWI	**Analysis Start** 20/09/2022
	Inward Date	19/09/2022	**Analysis End** 26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 30/09/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Date : 14/09/2022** **Sampling Time : 4.35 pm**	**Sampling Location** ETP Inlet

Tests Required : pH , Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 1983	6.57 at 25°C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	3857
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	76
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	116.52
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	68.29
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	1357
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	436

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/1-15 dated 30/09/2022

Issued To :, **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** ALPL/19092022/ENV-127-WW2 **Inward Date** 19/09/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020		**Analysis Start** 20/09/2022 **Analysis End** 26/09/2022 **Report Issue Date** 30/09/2022 **Sample Category** Water
Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Waste Water	Outlet Water	WW-2 Waste Water	2 L
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Date :** 14/09/2022 **Sampling Time :** 4.35 pm	**Sampling Location** ETP Outlet
Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.			

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 1983	7.18 at 25°C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	752	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	36.43	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	12.91	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	46.38	250
8	Biochemical oxygen demand (at 27°C for 3 days)	mg/l	IS 3025 (Part 44) :1993	14.76	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by

Shubhangi Armarkar
(Technical Manager)

Authorized Signatory

Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/1-16 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S1	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date :** 14/09/2022 **Sampling Time :** 3.40 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	20.22
2	Bulk density	g/cm3	Lab-SOP	1.702
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	22.36
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.33
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	45.45
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.22
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Silty Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.38 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	321.82
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	652.73
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	161.91
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.54
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	64.29
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.81
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	417.24

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S1	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 14/09/2022 **Sampling Time :** 3.40 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.19
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.56
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.27
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	54.93
18	Sodium adsorption ratio	-	By Calculation	2.81
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.24
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.87
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.94
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.28
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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for **Verified By**
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092022/1-16 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S1	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name **Soil**	**Sampling Date : 14/09/2022** **Sampling Time :** 3.40 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.212
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.68
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.614
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.87
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.869
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9.648
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.981
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By

Shashikant Satdeve
Sr.Chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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Test Report

Test Report No. : ALPL/30092022/1-17 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S2	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 14/09/2022 **Sampling Time :** 3.40 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	19.18
2	Bulk density	g/cm3	Lab-SOP	1.698
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	26.18
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	35.36
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	25.52
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	39.12
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.14 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	154.29
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	471.68
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.19
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	403.81
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	268.16
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	294.71
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	172.68

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Test Report No. : ALPL/30092022/1-17 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S2	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 14/09/2022 **Sampling Time :** 3.40 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	226.52
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.61
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	239.17
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.27
18	Sodium adsorption ratio	-	By Calculation	13.58
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.63
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.37
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.92
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.31
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.73
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
for
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S2	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 14/09/2022** **Sampling Time : 3.40 pm**		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S2- Katlabori		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.234
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.54
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.564
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.48
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.281
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.564
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.082
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/1-18 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S3	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 16/09/2022 **Sampling Time :** 4.35 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode	**Sampling Location** S3- Chakdoh	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	19.42
2	Bulk density	g/cm3	Lab-SOP	1.604
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	29.12
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.58
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.21
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	20.21
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.87 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	264.19
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	428.31
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.29
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.82
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	172.36
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	231.87
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	171.64

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report No. : ALPL/30092022/1-18 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S3	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 16/09/2022 **Sampling Time :** 4.35 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S3- Chakdoh		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	142.82
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.54
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	209.37
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.68
18	Sodium adsorption ratio	-	By Calculation	16.53
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.71
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.37
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.84
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.43
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	264.91
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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for **Verified By**
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report No. : ALPL/30092022/1-18 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S3	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 16/09/2022 **Sampling Time :** 4.35 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.381
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	20.72
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.768
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.68
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.968
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	8.829
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.977
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
ShashiKant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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Test Report

Test Report No. : ALPL/30092022/19 dated 30/09/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S4	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 16/09/2022 **Sampling Time :** 4.20 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	20.62
2	Bulk density	g/cm3	Lab-SOP	1.662
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.06
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.49
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	50.39
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.12
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.03 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	287.16
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.29
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.63
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	324.71
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	294.82
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	156.31
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.58

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S4	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 16/09/2022 **Sampling Time :** 4.20 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	151.29
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.54
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	207.31
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	54.82
18	Sodium adsorption ratio	-	By Calculation	17.54
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.63
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.49
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	156.27
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.58
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	326.14
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	ALPL/19092022/ENV-127-S4	**Analysis Start**	20/09/2022
	Inward Date	19/09/2022	**Analysis End**	26/09/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	30/09/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 16/09/2022** **Sampling Time : 4.20 pm**		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Satish Pustode		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.228
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.35
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.889
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.93
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.972
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.601
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.123
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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ANNEXURE III

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Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

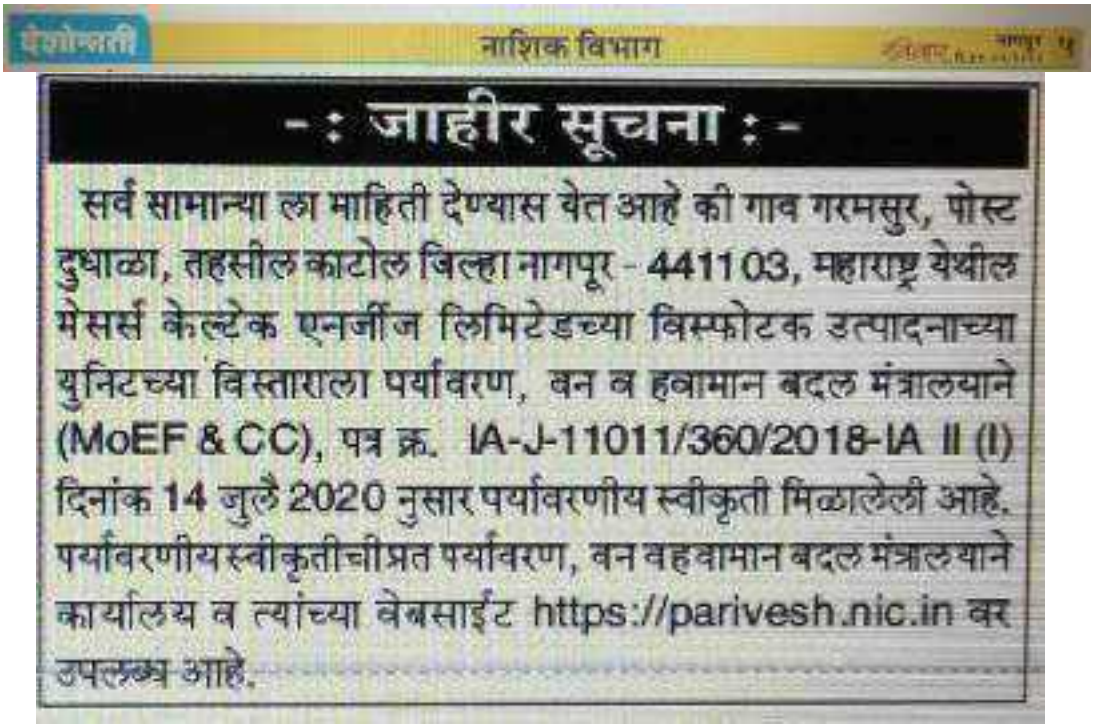
Please find attachment of Advertisement in two local newspapers

1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

नागपुर मेट्रो समाचार | नागपुर जिला / विदर्भ | 3

जाहिर सूचना

सार्वजनिक रूप से यह सूचित किया जाता है कि,ग्राम गरमसुर, पोस्ट दुधाला,तहसील काटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC),के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.



रविवारी देशोन्नती | नाशिक विभाग | नागपूर पृ

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील काटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृतीची प्रत पर्यावरण, वन व हवामान बदल मंत्रालयाने कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

ANNEXURE IV
WATER NOC

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Keltech Energies Ltd.		
Project Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2,151/1, 165,, Vill Garamsur, Ta. Katol,, Dist. Nagpur Pin 441302		
Village:	Garamsur	Block:	Katol
District:	Nagpur	State:	Maharashtra
Pin Code:			
Communication Address:	S. No. 149/1, 116. 146, 147, 148/1, 149/2, 151/1, 165, Village Garamsur Tahasil Katol, District Nagpur, Katol, Nagpur, Maharashtra - 441302		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1.	**NOC No.:**	CGWA/NOC/IND/REN/1/2021/5845			
2.	Application No.:	21-4/815/MH/IND/2017	3.	Category: (GWRE 2017)	Semi Critical
4.	Project Status:	Existing With Additional Ground Water Requirment	5.	NOC Type:	Renewal
6.	**Valid from:**	23/10/2019	7.	**Valid up to:**	22/10/2022

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
80.00	24000.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:2						**Total Proposed No.:1**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	1	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10.	Ground Water Abstraction/Restoration Charges paid (Rs.):	72000.00

11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism		
			Manual	DWLR**	DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	1	0	1	0

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

18/11, जामनगर हाउस, मानसिंह रोड, नई दिल्ली - 110011 / 18/11, Jamnagar House, Mansingh Road, New Delhi-110011
Phone: (011) 23383561 Fax: 23382051, 23386743
Website: cgwa-noc.gov.in

पानी बचाये – जीवन बचाये
SAVE WATER - SAVE LIFE

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

ANNEXURE V
CER ACTIVITY DETAILS

J.B.M ENTERPRISES

MOUZA- SELU, P.H.NO. 25, WARD NO.2,
H.O.NO. 267, BLOCK NO.2, TH. KALMESHWAR,
NAGPUR-441501
Phone : 07122549996 Fax : 0712-2549996 E-Mail : jbm_cnf@hotmail.com

GST INVOICE

DL.No. :20B-MH-NAG-336907,21B-MH-NAG-336908 GSTIN : 27ADHPD2481Q1Z5 FSSI NO:11520056000267

M/s KELTECH ENERGIES LTD
VILLAGE:GARAMSUR,P.O.DHUDHALA,TH.KATOL-441108
DIST-NAGPUR. State : 27

D.L.No.:
GSTIN : 27AAACK4702A1Z7

Invoice No.: **M/00141** **Date : 04/05/2021**
Order No. : Date : 04/05/2021
L.R. No. : Date : 04/05/2021
Cases : 0
Transport :
Due Date : 25/05/2021

S.	HSN	Product	Pack	Mfr.	Batch	Exp.	Qty.	Free	Disc.	M.R.P.	RATE	P.T.R	SGST	CGST	Amount
1	3808	INSTADIS BLUE	100ml	SPE	IDB038	5/23	1255	0	0.00	50.00	21.00	0.00	9.00	9.00	26355
2	3808	INSTADIS CHG	100ML	SPE	IDC020	8/23	245	0	0.00	50.00	21.00	0.00	9.00	9.00	5145.0

0296
07/05/2021
00374
07/05/2021

GST %	Txble.Amt	Tax Amt.	Txble Amt	Tax Amt
0.00%	0.00	0.00	0.00	0.00
5.00%	0.00	0.00	0.00	0.00
12.00%	0.00	0.00	0.00	0.00
18.00%	31500.00	2835.00	31500.00	2835.00
28.00%	0.00	0.00	0.00	0.00

SUB TOTAL	**31500.00**
DISCOUNT	0.00
ADD CGST	2835.00
ADD SGST	2835.00
CR/DR Adj.	0.00
GRAND TOTAL	**37170.00**

Rs. Thirty Seven Thousand One Hundred Seventy Only

I/We hereby certify that my/our registration certificate, under the INDIA GST Act ,2016 is in force on the date on which sale of goods specified in this Tax Invoice is made by me/us and that the transaction of sale covered by this bill/invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Terms & Conditions

1).Intrest @ 2% P.M. will be charged from the date of invoice if Payment does not reach in time.
2).Our Responsibility cases as soon as the goods Leave our Premises.
3).Subject to NAGPUR Jurisdiction.
4).Payment will be made by only cheque/RTGS or DD. NO CASH transaction.
5).All Payment Should Be Made in favour of J.B.M ENTERPRISES.

For J.B.M ENTERPRISES

Authorised signatory

CERTIFIED FOR 37170/-
PAYMENT FOR Rs.

TAX INVOICE

M. I. Engineering Stores " Saify Mansion " , Beside Siddarth Hotel , 89 , C.A . Road , Nagpur GSTIN/UIN: 27ABDPI3636A1Z6 State Name : Maharashtra, Code : 27 E-Mail : mi_engg14@rediffmail.com	Invoice No.: MI/21-22/41 | Dated: 4-May-2021 Delivery Note | Mode/Terms of Payment Supplier's Ref.: MI/21-22/41 | Other Reference(s) Buyer's Order No. | Dated Despatch Document No. | Delivery Note Date Despatched through | Destination Terms of Delivery
Buyer **KELTECH ENERGIES LIMITED** NAGPUR GSTIN/UIN : 27AAACK4702A1Z7 State Name : Maharashtra, Code : 27	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	**Nose Mask** *Cotton* (C500096)	6307	1,300.00 Nos	11.00	Nos		14,300.00
	CGST ON SALES 2.5			*2.50*	%		357.50
	SGST ON SALES 2.5			*2.50*	%		357.50
	Total		1,300.00 Nos				₹ 15,015.00

0295
07/05/2021
00373
07/05/2021

Amount Chargeable (in words) *E. & O.E*

INR Fifteen Thousand Fifteen Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
6307	14,300.00	2.50%	357.50	2.50%	357.50	715.00
Total	**14,300.00**		**357.50**		**357.50**	**715.00**

Tax Amount (in words) : **INR Seven Hundred Fifteen Only**

CERTIFIED FOR PAYMENT FOR RS. 15015/-

Declaration

We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for M. I. Engineering Stores

Authorised Signatory

This is a Computer Generated Invoice

'Confidential and for private circulation only'

Note on LITAA Incubation Center

August 30, 2021

1. **Objective**
   This document is meant for LITAA members about various aspects of proposed incubation center @LIT, Nagpur

2. **Vision**
   To create a vibrant and sustainable ecosystem on LIT campus and Central India for nurturing and enrichment of Creativity, Innovation and Entrepreneurship in thriving start-up ecosystem

3. **Mission**
   We are committed to nurture and support creativity, innovation and entrepreneurship amongst students, faculty members, alumni and other aspirants for establishment and growth of technology businesses to meet the social obligations and economic & financial growth of our communities

4. **What is proposed @ LIT Incubation center?**
   Proposed LIT incubation center will

   - Support Seed / idea and early stage companies promoted by LIT students, faculty and alumni to help start commercial operations.
   - Support Sponsored projects/ideas from industries belonging to LIT alumni and others
   - Help set up Centre of Excellence (CoE) – extended R&D of companies for close collaboration amongst students, faculty and industry
   - Conduct technology seminars, business plan conferences, trade events, knowledge sharing events, training etc.

5. **Focus areas of LIT Incubation Center**
   It is proposed to focus primarily on areas related to Chemical Engineering and Technology (Food, Oil, Petrochemicals, Surface Coating, Plastic & polymer and Paper & pulp) with special emphasize on –
   - Ecology friendly technologies e.g. renewable energy, pollution control (air, water & soil)
   - Waste to Wealth
   - Nano technology
   - Quantum computing
   - Instrumentation – break through applications

   The above is illustrative list and shall be modified depending upon market response.

6. **What infrastructure anticipated and needed for LIT Incubation Centre?**
   The facility should provide
   a) Basic Constructed space preferable admeasuring 5000 sq ft floor space.
   b) A creative office ambiance for the incubatee with supporting office infrastructure,
   c) Knowledge, Expertise support, Guidance from faculty members of the institute.
   d) Full-fledged equipped Laboratories and pilot plants (Two such are already in place donated by our alumni) to conduct experiments and pilot trial to create readiness for eventual commercial scaled-up.
   e) Business network & mentoring from global alumni and hand holding for initial commercial operation.

7. **Who are partnering with this LIT Incubation Centre?**
   It will be a joint effort of
   a) **The Institute** – Laxminarayan Institute of Technology - to provide 6 (a), 6 (c) part of 6 (d) above
   b) **An NGO –** LIT Alumni Association (LITAA) to provide - 6(b) part of 6(d) and 6(e) above and would be an Active partner who would actively help operations of the Incubation center.
   c) **Section 8 organization (Not for Profit section 8 Company) –** LITAA Technovation Foundation (LITF) This is to create eligibility for the incubation Centre to seek financial grants under Atal Innovation Mission (https://aim.gov.in/), Maharashtra State Innovation Society (https://www.msins.in/) and other Government Institutions/Agencies. The eligibility for application was for such combination of three partners with specifically allocated 5000 sq ft area for this exclusive activity.

8. **What would be the Governing body for this LIT incubation Centre?**
   It is proposed to have eleven members committee to closely govern the activities of LIT incubation Centre.
   The proposed members are:
   a) Director of the Institute- LIT – 1 member.
   b) One Faculty member each from Chemical Engineering and Chemical Technology – 2 Members
   c) All Office bearers of LITAA (viz. Chairman, Vice Chairman, Secretary, Joint Secretary & Treasurer) and two members nominated by Executive Committee of LITAA– 7 Members
   d) One Director LITF - Incubation Project Director – 1 Member

9. **Roles of LIT, LITAA and LITF**
   LIT, LITAA and LITF have signed comprehensive exclusive MoU about their roles and responsibilities.

10. **How will LIT Incubation Center operate?**
    - CEO/GM of Incubation center will work under overall guidance of Governing Body
    - The center will have experienced professionals managing the day-to- day operations
    - Projects/incubation ideas will be approved by the Governing body
    - The center will conduct Ideation Competition and Business plan competitions on theme based cohorts on regular basis to select incubatees
    - Renowned Jury members shall select the incubatees under transparent process
    - Only the short listed companies/projects will be incubated
    - Create panel of Subject Matter Experts from amongst LIT alumni & industry to help incubatees
    - Tie-up with other incubation centers in and around Nagpur to create & nurture start-up ecosystem
    - Help incubatee companies with panel of outsourced professionals in accounting, secretarial and legal including Patents, IPRs, Copyrights, Brands etc.
    - Detailed policies and Standard Operating Procedures are available for review

11. What is the project progress status ?

Followings are the achievements so far on this project.

a) Application to seek grant of Rs. 5 Crores from Maharashtra State Innovation Society was submitted during July 2019, however due to change of Government during November 2019, the activities and considerations for grants were held. (The same has been now under consideration from February 2021.) LITAA was estimated to contribute Rs. 2 Crore through alumni donation and therefore a Rs. 7 Crores project was estimated in this application to MSINS.

b) 25 potential donors, members of LITAA came forward to contribute over Rs. 2 Crores for the purpose of setting up incubation center was looking a reality soon.

c) As there was no response from MSINS, It was proposed to have a very humble start on this activity and with only donation from Alumni and take the application for grants at later date.(As these schemes have been reinstalled by the Governments earlier on many occasions.)

d) RTMNU was approached to allocate any constructed smaller area which can eventually be extended to 5000 sq ft. as and when needed.

e) RTMNU has allocated a constructed area for this activity (Earlier Badminton hall next to canteen) admeasuring approximately 2000 sq.ft carpet area. The hall has a height of almost 34 ft and by constructing a mezzanine floor without making any changes to existing structure, a floor area of 5000 sq. ft would be built in this premises.

f) Formed a Section 8 company under the name LITAA Technovation Foundation (LITF) having main objects as promotion of Science, Technology, Research, Entrepreneurship, Incubation center and Social objectives. All the office bearer and Incubation project head are the directors of this section 8, **Not-for-Profit Company.**

g) A detailed architectural master plan to build 5000 sq ft area has been worked out with cost estimates. Approximate amount of Rs. 3.50 Crores is estimated by the architect to create a state-of-an-art infrastructure of 5000 sqft area. This may be done in three or four phases and over next 24-36 months and depending on the funds collection from Alumni.

   As it seems the immediate requirement is estimated at Rs. 45-50 lacs only for infrastructure to initiate this activity in a very humble way. The yearly operating expenses would be Rs. 7-10 lakhs for the next two years and the center is expected to start generating revenue of it's own post this period with at least 5-6 success stories under the center during two years.

h) 3D model and walkthrough for the same has been prepared. The same gives the glimpses of the proposed facility to all stakeholder and also to seek donation from the esteemed members of our association.
   (https://www.youtube.com/watch?v=D4KI3pojxqM&t=22s)

i) Foundation laying and Bhomi Pujan ceremony was solemnized on August 22, 2021 gracious presence of Honorable Vice Chancellor of RTM Nagpur University, Dr. Subhash Chaudhary; Dr. Raju Mankar, Director, LIT; Ajay Deshpande, Chairman, LITAA; Madhav Labhe, Vice Chairman, LITAA; Arun Lanjewar, Secretary, LITAA; Vinod Kalkotwar, Project Director & LITAA South; and other LITAA EC member, Faculty members, Students etc.

12. Any incubation centre existing on these lines?

- ✓ Yes! College of Engineering, Guindy - Chennai (https://ceg.annauniv.edu/) has similar setup and operating at Chennai for about past 3 years. CEG is 225 year old engineering college with excellent track record and over 100,000 alumni spread across the globe.

13. Wall of Fame @LIT Incubation Center

It is proposed to create 'Wall of Fame' at the LIT Incubation center, where in each and every Donors' name will be prominently etched

The various categories of Donors proposed are

- Platinum – Donation of Rs. 25 lakhs and above
- Diamond – Donation of Rs. 10 lakhs but less than Rs. 25 lakhs
- Gold – Donation of Rs. 5 lakhs but less than Rs.10 lakhs
- Silver - Donation of Rs. 3 lakhs but less than Rs. 5 lakhs
- Bronze – Donation of Rs. 1 lakh but less than Rs. 3 lakhs

14. Appeal to Alumni

You are requested to donate generously to LITAA for creation of LITAA Incubation Center. Your donations are eligible for IT benefits under section 80G of IT Act. Even companies belonging to alumni can donate to LITAA under CSR/CER activities.

Remittance details are –

Account name – LIT Alumni Association
Account number – **50100173216416**
Bank – HDFC Bank Ltd.
Branch – South Ambazari Road, Laxminagar, Nagpur 440022
IFSC Code – **HDFC0003358**

Do mention 'Donation of LIT Incubation Center' in remittance instructions.

KELTECH ENERGIES LTD.

7th Flr, Embassy Icon, #3 Infantry Rd, Bengaluru Bengaluru

Bank Payment [BANKBNGGUR] Voucher

Voucher No. : BNG.BPV.2122.6567 Date: 24/12/21

Particulars			Debit Amount	Credit Amount
	LIT Incubation Center	*Dr*	1,200,000.00	
To	State Bank of India			1,200,000.00
	Cheque No: ONLINE Dated: 20/12/21			
	Cheque No: ONLINE Dated: 20/12/21			

Narration :

Being Amount Paid under CER towards Financial Support to LIT Incubation Centre
- through ONLINE
FVG: "LIT ALUMNI ASSOCIATION"
UTR No.: SBINR12021122057599067 Dtd.20/12/2021

Amount (in words):

Rs. TWELVE LAKH RUPEES AND ZERO PAISA ONLY

	1,200,000.00	**1,200,000.00**

Prepared by: **Checked by:** **Approved by:**

जिल्हा परिषद प्राथमिक शाळा

माहुरखोरा

पं.स. काटोल जि.प. नागपूर

UDISE No. : 27090207401

युवराज घोडे
मुख्याध्यापक
9822936813

पत्ता–मु. माहुरखोरा पो. दुधाळा, ता. काटोल, जि. नागपूर–४४११०३

दिनांक

जि. प. प्रा. शाळा माहुरखोरा पं. स. काटोल
जा. जा. क्र. १९४/
दिनांक २५/१/२२

पत्रक्रमांक.

प्रति,

मा. व्यवस्थापकसाहेब
केलटेक एनर्जीके लिमिटेड, गरमसूर

विषय :- केलटेक कंपनीच्या वतीने डिजीटल साहित्य मिळण्याबाबत

जि. प. प्राथमिक शाळा, माहुरखोरा शाळेने मागणी केल्यानुसार एनर्जीक लिमिटेड - गरमसूर कडून शाळेला आज दि. 24 जानेवारी 2022 ला डिजीटल साहित्य प्रदान करण्यात आले.

शाळेप्रति कंपनीची असलेली स्नेह भावना कायम ठेवून ती भविष्यात वृद्धींगत व्हावी ही अपेक्षा ठेवून शाळेच्या वतीने कंपनीचे मनपूर्वक धन्यवाद !

माहुरखोरा
दि. 24.01.2022

अध्यक्ष / सचिव
शाळा व्यवस्थापन समिती
जि. प. प्राथ. शाळा माहुरखोरा
पं. स. काटोल; जि. नागपूर

मुख्याध्यापक
जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

TAX INVOICE ORIGINAL FOR RECIPIENT

Nagpur's Best Industrial Solutions.

R V Multi Tech Engineers
C/o SG SUPERBLEND[FORMALY KNOWN AS SG POLYMERS & PACKAGING]29/30, Mauli Nagar, Near Pooja kata, katol bypass road, wadi, Nagpur, Maharashtra
GSTIN: 27CKMPB0109H1ZJ Mobile: 9028992246

Invoice No.	Invoice Date	Due Date
RVMTE/2021-22/171	19-02-2022	26-02-2022

P.O. No.
GSMP02122.0764 DATE:- 10/02/2022

BILL TO
KELTECH ENERGIES LIMITED.
Address: 149/1, 149/2, Post Dudhala, Garamsur.Tab: Katol, Nagpur- 441103 : Garamsur, Maharashtra
GSTIN: 27AAACK4702A1Z7 Place of Supply: Maharashtra

SHIP TO
KELTECH ENERGIES LIMITED.
Address: 149/1, 149/2, Post Dudhala, Garamsur.Tab: Katol, Nagpur- 441103 : Garamsur, Maharashtra

S.No.	ITEMS	QTY.	RATE	TAX	AMOUNT
1	VACCINE CARRIER 1.6LTR	5.0 PCS	2000.0	1800.0 (18.0%)	11800.0
	TOTAL	5		₹ 1800.0	₹ 11800
	RECEIVED AMOUNT				₹ 0
	BALANCE AMOUNT				₹ 11800
	PREVIOUS BALANCE				₹ 133319.6
	CURRENT BALANCE				₹ 145119.6

under CER authority

GSM GRN No/.. 2923
22/2/2022
4867
22/2/2022

CERTIFIED FOR PAYMENT Rs. 11800/-

HSN/SAC	Taxable Value	CGST		SGST		Cess	Total Tax Amount
		Rate	Amount	Rate	Amount		
-	10000.0	9.0%	900.0	9.0%	900.0	0.0	₹ 1800.0

Invoice Amount (In words) Eleven Thousand Eight Hundred Rupees

Bank Details

Name	R V MULTI TECH ENGINEERS
IFSC Code	KKBK0001833
Account No.	3014072568
Bank	Kotak Mahindra Bank ,DHARAMPETH BRANCH

Terms and Conditions

Authorised Signatory For
R V Multi Tech Engineers

25/2/2022.

To,

The Manager,
Keltech Energies Ltd,
Baramsur

Sub :- About receiving of four Vaccine Carrier.

Respected Sir,

Four Vaccine Carriers given by Keltech Energies Ltd received by PHC Kondhali on 25/2/2022.

Thanking you,

Pichaudhi
वैद्यकीय अधिकारी
प्रा.आ.केंद्र, कोंढाळी
ता. काटोल, जि. नागपूर

कार्यालय

ग्राम पंचायत गरमसुर

पंचायत समिती काटोल, जिल्हा परिषद नागपूर

जा.क. .....

दिनांक 23/3/2022

प्रति,

मा. व्यवस्थापक

~~ओमटेक~~ एनर्जी लिमिटेड

गरमसुर

विषय :- ग्रामपंचायत गरमसुर मौजा ग्रा.पं.भवन कंपाउंड भिंत बांधकाम कामा पुर्ण झाल्याबाबत

महोदय,

उपरोक्त विषयाचे अनुसरुन आपणास कळविण्यात येते की ग्रामपंचायत गरमसुर मौजा ग्रामपंचायत भवन कंपाउंड भिंत बांधकाम काम ओमटेक एनर्जी लिमिटेड गरमसुर यांचे पुर्ण करण्यात आले आहे. करिता सदर दुरुस्ती देण्यात येत आहे.

करिता आपला माहितीस्तव सविनय सादर

सरपंच
ग्राम पंचायत गरमसुर
पं.स.काटोल, जि.प.नागपूर

सचिव
ग्राम पंचायत गरमसुर
पं.स.काटोल, जि.प.नागपूर

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान,
नागपूर ४४००१० (भारत)
Visvesvaraya National Institute
of Technology, Nagpur - 440 010

Dr. Sachin Mandavgane
Associate Professor & Head
Department of Chemical Engineering

: 0712-2801563
: 98232 46329
: sam@che.vnit.ac.in, head@che.vnit.ac
: mandavgane@gmail.com
: vnit.ac.in/chemical/

CHE-583
31/05/2022
31.5.2022

Dr. Atul P Dwivedi
Manager- Technology and R&D
KELTECH ENERGIES LIMITED,
Garamsur, Nagpur

Subject: Thanks for the donation

Dear Dr Atul,

I am thankful to Keltech Energies Limited Management !

VNIT is in receipt of your donation of Rs 10 lakhs for the courses/activities related to sustainability, safety and environment.

This support by KELTECH will surely help VNIT in conducting more activities in the area of sustainability, carbon accounting, process safety and life cycle thinking.

I take this opportunity to invite KELTECH Management and you to the Chemical Engineering Department of VNIT Nagpur.

Regards

Sachin Mandavgane

Department of Chemical Engineering V.N.I.T. NAGPUR

CHOWGULE
G·R·O·U·P
SINCE 1916

Date: 31st May, 2022

KEL/GSM/EC/22-23/30

To

The Director,
Ministry of Environment, Forests & Climate Change,
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur-440001

Sub: Submission of half-yearly compliance status report of Environmental Clearance conditions for the period ***"October 2021 to March 2022"*** in respect of **M/s. Keltech Energies Limited, Nagpur**

Ref: EC Letter No. F. No. IA-J-11011/360/2018-IA II (I) dated 14th July, 2020

Dear Sir,
We are submitting herewith one copy of the Six Monthly Compliance Report in respect of the stipulated Environmental Clearance conditions (soft copy) for the above mentioned period for "**Expansion of explosive product manufacturing unit** of M/s. Keltech Energies Limited at Village Garamsur, Post Dudhala, Tehsil Katol, District Nagpur-441103" for your perusal and record. Proposed project expansion was implemented from December 2020 and subsequent expansion implemented in December 2021, it will take some time to stabilize the plant expansion operations and achieve full production, please note.

We trust that the measures taken towards environmental safeguards comply with the stipulated environmental conditions. We look forward to your further guidance which shall certainly help us in our endeavor for further improve upon our Environmental management practices.

Thanking you.

Yours faithfully,
For M/s. Keltech Energies Ltd.

(Dr. Atul P. Dwivedi)
M. (Tech. & R&D)

Encl: As above
Copy to:

1. Central Pollution Control Board, Zonal Office, Sahkar Bhawan, North T.T. Nagar, Bhopal -462003
2. MPCB, Udyog Bhavan, Civil Lines, Nagpur-440001

EC COMPLIANCE REPORT
&
ENVIRONMENTAL STATUS REPORT
(October 2021- March 2022)

of

Expansion of Explosive Product Manufacturing Unit

Located At

Village Garamsur, Post Dudhala, Tehsil Katol,
District Nagpur-441103
State Maharashtra

Project Proponent

M/S. KELTECH ENERGIES LIMITED

Environmental Consultant

M/s. ANACON LABORATORIES PVT. LTD., NAGPUR

QCI-NABET Accredited EIA Consultant for Synthetic Organic Industries (Sector 21)
MoEF&CC (GOI) and NABL Recognized Laboratory
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018
Lab. & Consultancy: FP-34, 35, Food Park,
MIDC, Butibori, Nagpur – 441122
Mob.: +91-9372960077
Email: *ngp@anacon.in*
Website: *www.anaconlaboratories.com*

May 2022

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INTRODUCTION

The proposed Expansion of Explosive Manufacturing unit at Village Garamsaur, Post Dudhala , Tehsil Katol under District Nagpur By M/s. Keltech Energies Limited of an areas of 459962.7sqm nearly 36 km from Nagpur and 0.5 km from NH and SH.

Proposal No.IA/MH/IND2/83338/2018 dated 11th March, 2020.

Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

COMPLIANCE STATUS

EC Conditions compliance status given below:

Sr. No.	EC Conditions	Compliance
A.	**MANDATORY PROVISIONS**	
i.	As already committed by the project proponent, zero liquid discharge shall be ensured and no waste/treated water shall be discharged outside the premises. All the waste water to be collected and to be reused after treatment.	Yes, The entire effluent treated in ETP with capacity 60 KLD and no effluent is discharged outside the factory.
ii.	Control room shall be set up with blast proof walls	Yes agreed, being complied the condition. Explosive industry is also governed by PESO. EC as well as PESO both the compliances are followed.
iii.	Work in explosive process buildings should be confined to approve man limit and explosive quantity limits. Water based grit traps should be provided at entry of explosive plant buildings to prevent grit ingress. Adequate static discharge stations should be provided at entry/exit of the explosive production buildings, and magazines. Entry to explosives plant area should be restricted to authorized personnel and in minimal essential numbers.	Yes agreed, and being complied the condition as per PESO rules.
iv.	Suitable lightening arresting devices should be provided for explosive plant building. Work in explosive manufacturing process should be stopped during thunderstorm.	Yes agreed, and being complied the condition as per PESO rules.
v.	Noise and Vibration monitoring stations shall be set up in the project site and data generated during testing/explosion shall be submitted to state PCB and Regional office of Ministry	Noise monitoring stations are set up in the project site and testing/explosion data are submitted to MPCB and MOEF&CC Regional office Nagpur. Noise monitoring reports are attached as **Annexure I.**
vi.	Volatile organic compounds/ fugitive emissions shall be controlled at 99.997% with effective chillers/modern technology.	There are only two sources of fugitive emissions-nitration and granulation. At both these

Sr. No.	EC Conditions	Compliance
		places fugitive emissions are controlled at 99.99% with effective chillers and modern technology. Online detectors for monitoring of VOC will be installed.
vii.	Trees shall not be cut for the proposed expansion. As proposed, the project proponent shall develop/maintain green belt area of 65% out of the total area of the project.	Yes, condition being complied.
viii.	Canal with sand shall be developed along the project area/explosive area for absorption of vibration due to explosion and testing	Yes agreed, and being complied. During the project expansion activity which will commence from Dec 2020 and expected completion July/August 2021 for phase I (only PETN capacity enhancement). Due to second wave of COVID-19 the project implementation has been delayed and phase-1 is completed in Mar-2022. The condition followed as per PESO rules.
ix.	**Solvent Management shall be carried out as follows:**	
	a. Reactor shall be connected to chilled brine condenser system.	Yes, being complied
	b. Reactor and solvent handling pump shall have mechanical seals to prevent leakages.	Yes, being complied. The recovered solvents is reused in the process of subsequent batches of the products
	c. Solvents shall be stored in a separate space specified with all safety measures.	Solvents are stored in a separate space specified with all safety measures as per PESO guidelines
	d. Proper earthling should be provided in all the electrical equipments wherever solvent handling is done.	Yes, being complied
	e. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses.	Yes, being complied as per PESO rule.
	f. All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.	All the solvent storage tanks are connected with vent condensers with chilled brine circulation.

Sr. No.	EC Conditions	Compliance
x.	Total Fresh water requirement shall not exceed 60 cum/day, proposed to be met from ground water. Prior permission in this regard shall be obtained from the concerned regulatory authority/ CGWA	Agreed. CGWB NOC attached **Annexure IV**.
xi.	Process effluent /any waste water shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system. All the vent pipes should be above roof level	Yes, being complied.
xii.	Storage of explosive materials should be in specified and approved storage places.(store houses and magazines) only.	Yes agreed, and being complied as per PESO rules.
xiii.	Standard Operating Procedures and General Safety Directions should be displayed in the explosive plant working area. First-Aid facility should be provided in each process area, and ambulance services to be made available for emergencies	Yes, being complied.
xiv.	**The company shall undertake the waste minimization process as follows:**	
	a) Metering and Control of quantities of active ingredients to minimize waste	Metering and Control of quantities of active ingredients to minimize waste are being followed for each batch of products. In order to have uniform product quality and overall control in the plant complying PESO requirement program logic control-PLC and SCADA systems are installed.
	b) Reuse of by products from the process as Raw materials or as Raw materials substitutes in other processes	By-product (dil. Nitric acid) is generated only in PETN plant. This by-product is utilized for in-house consumption.
	c) Use of Automated filling to minimize spillage	All the liquid and solids are controlled by automatic packing to minimize spillage.
	d) Use of Close feed system into batch reactor	Yes, being complied
	e) Venting equipment through vapor recovery system.	Complied as per the process requirement and guidelines
	f) Use of high pressure hoses for equipment clearing to reduce waste water generation.	Yes, being complied.
xv.	As proposed the green belt of at least 5- 10m width shall be developed in nearly 65% of the total project area,	Yes, condition being complied.

Sr. No.	EC Conditions	Compliance
	mainly along the plant periphery, in downward wind direction, and along the road sides etc. Selection of plant species shall be as per CPCB guidelines in consultation with the State Forest Department.	
xvi.	At least Rs. 1.75 cr. Of the total project cost shall be allocated for corporate environmental responsibility (CER). As proposed, and the CER allocation shall be spent mainly for addressing the issues raised during Public consultation /hearing, and also for skill and economic development, health and medical, drinking water facility, drainage and sanitation, Community development etc.	Yes, agreed. Total expenditure as per CER budget so far Rs.28,68,974/-, details attached as **Annexure-V.**
xvii.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per norms.	Yes, being complied.
xviii.	Continuous online system (24 x 7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutant concentration, and the data to be transmitted to the CPCB and SPCB server. For ZLD, the unit shall install web camera with night vision capability and flow meters in the Channel/ Drain carrying effluent within the premises.	Yes, agreed. Under Process.
xix.	Safety and risk assessment suggested during the advanced modeling shall be carried out.	Yes, agreed to comply.
xx.	Risk and Hazards shall be displaced at each building in local language.	Yes, being complied.
xxi.	All Rules and Guidelines of safety and environment control must be followed in transportation of explosives and hazardous items within the facility and in vehicles being loaded at the factory. Adequate vehicle parking arrangements should be provided in factory premises to avoid transport vehicles agglomeration of Roads near the Factory Area.	Yes agreed, and being complied the condition as per PESO rules.
B.	**GENERAL CONDITIONS**	
i.	The Project proponent Shall prepare a site specific conservation plan and wildlife management plan in case of the Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the state Forest/Wildlife Department in a time bound manner.	Yes, complied KEL have prepared conservation plan and wildlife management plan and submitted letter dated 02.05.2020 to Chief wild life warden and Chief Conservator of Forest.
ii.	No further expansion or modifications in the plant, other than the mentioned in the EIA notification, 2006 and its amendments, shall be carried out without prior approval of the ministry of Environment, Forest and Climate	Yes, agreed. All EC conditions will be complied.

Sr. No.	EC Conditions	Compliance
	Change. In case of Deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of the conditions imposed and to add additional environmental protection measures If required.	
iii.	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Yes, being complied. During proposed expansion LED lights will be used within the plant as well as roads within the premises. Energy Audits are conducted for better utilization and sustainability.
iv.	The locations of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	During proposed expansion the locations of ambient air quality monitoring stations are decided in consultation with the MPCB and it is one station is installed in the upwind and 2 in downwind direction as well as at one maximum ground level concentrations are anticipated. And regular monitoring is done. Monitoring reports are enclosed as **Annexure I and II.**
v.	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conforms to the standards prescribed under Environment protection Act, 1986, rules 1989 viz 75dBA (day time) and 70 dBA (night time)	Yes, being complied, The overall noise levels in and around the plant area are kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
vi.	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.	Yes, being complied. During proposed expansion for new buildings as well as old buildings RWH will be implemented for ground water recharge.
vii.	Training shall be imparted to all employees on safety and health aspects of chemical handling. Pre-employment and routine periodical medical examinations for all the employees shall be undertaken on regular	Yes, being complied. Training is imparted to all employees on safety and health aspects of chemical

Sr. No.	EC Conditions	Compliance
	basis. Training to all employees on handling of chemicals shall be imparted.	handling.
viii.	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents to the ministry. All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation measures relating to projects shall be implemented.	All the recommendations made in the EIA/EMP in respect of environment management, and risk mitigation has been followed by KEL. Being Complied.
ix.	The company shall undertake all relevant measures for improving the socio economic conditions of the surrounding area. CER activities Shall be undertaken by involving local villages and administration and shall be implemented.	Yes, agreed to comply
x.	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Yes, agreed to comply for eco-development measures.
xi.	A separate environment management cell equipped with full-fledged laboratory facilities shall be set up to carry out the environment management and monitoring functions.	Yes, being complied
xii.	The Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of Environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the condition stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purposes.	Yes, agreed and will be complied.
xiii.	A copy of the clearance letter shall be sent by the Project Proponent to the concerned project proponent, Zilla parishad/ municipal corporations / urban local body and the local NGO, if any, from whom suggestions/ representations, if any were received while processing the proposal.	Yes, the copy is handed over personally and also by speed post and acknowledgement is preserved.
xiv.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and SPCB. A copy of the six month compliance report and EC to be published on the company website.	Yes agreed. This being the 3rd six monthly report on the status of the compliance of the stipulated environmental Clearance conditions including results of the monitored data to the respective Regional Office of MoEF&CC, the respective zonal office of CPCB and

Sr. No.	EC Conditions	Compliance
		MPCB.
xv.	The environment statement for each financial year ending 31st march in Form-V as is mandated shall be submitted to the concerned state pollution Control Board as prescribed under The Environment (protection) Rules, 1986, as amended subsequently; shall also be put on the website of the company along with the status of the compliance of the environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF& CC by email.	Agreed and complied.
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the environment clearance letter, at least in two local newspaper that are widely circulated in the region which one shall be vernacular in language of locality concerned and a copy of the same shall be forwarded to the concerned regional office of the ministry.	Informed through the publication in newspaper on 19.07.2020 in Nagpur Metro Samachar and Deshonnati Nagpur Main. **Annexure III.**
xvii.	The project authorities shall inform the regional office as well as the ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of the start of the project.	The project expansion activity which will commence from Dec 2020 and expected completion Jan/ Feb 2022 for phase I (only PETN capacity enhancement). Agreed and will be complied.
xviii.	This environmental clearance is granted subject to final outcome of the Honorable supreme court of India, High court of India, Honorable NGT and any other court of law as may be applicable to the project.	Yes, agreed.

ENVIRONMENTAL STATUS REPORT

1.1 BRIEF DESCRIPTION OF PROJECT

The proposed expansion will be within existing land area of 113.72 Acres (46.04 Ha.) (No additional land acquisition). Project located at Village Garamsur, Post Dudhala, Survey No. 146,147,148/1, 149/1, 149/2, 151/1, 151/2, 152/2/2, 153, 154/1, 154/2, 155, 156/ 157, 158/1, 164, 165, 158/2, Tehsil - Katol, District- Nagpur-441103, Maharashtra. The project site lies at the Latitude: $21^0$09’16.40” N, and Longitude: $78^0$44’18.27 E on the Topo sheet No. 55k_12, 55k_16. The project activity covered under Category-A of item 5(f) synthetic organic chemicals industry of the Schedule to the Environmental impact assessment (EIA) Notification, 2006 and Environmental Clearance No.: vide letter F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

1.2 AIR ENVIRONMENT

Regular monitoring of environmental parameters is of immense importance to assess the status of environment. With the knowledge of baseline conditions, the monitoring program will serve as an indicator for any deterioration in environmental conditions due to industrial activities. Suitable mitigation steps will be taken in time to safeguard the environment, based on monitoring reports. Monitoring is important in the control of pollution since the efficiency of control measures can only be determined by monitoring.

In order to find out the impact of industrial activities on sensitive receptors, it is necessary to monitor Environmental Quality to know the level of concentrations of pollutants within study area said in EIA.

Ambient Air Quality Monitoring

The ambient air monitoring with respect to parameters of significance was carried out.The site is located at The proposed expansion project area located within the existing plant at Village Garamsur, Post Dudhala, Tehsil - Katol, District- Nagpur-441103, Maharashtra and the major sources of air pollution in the region are Industrial operations, domestic activities and rural conditions. The prime objective was to assess the existing air quality of the area.

Frequency of Sampling

Ambient air quality monitoring was carried out on 24 hourly on quarterly basis (once in a quarter) for the monitoring period.

Duration of Sampling

The duration of sampling is twenty-four hours. Data is compared with the standards mentioned in the Gazette Notification of the Central Pollution Control Board (CPCB) Notification 16th Nov. 2009.

TABLE 1: METHODOLOGY OF AMBIENT AIR QUALITY MONITORING

Sr.No.	Parameter	Test Method	Unit	Limits as per CPCB Guideline
1.	Particulate Matter (PM_{10})	IS: 5182: Part-23 -2006	µg /m^3	100 (24 hrs)
2.	Particulate Matter ($PM_{2.5}$)	CPCB NAAQM , Regulations, 2009	µg /m^3	60 (24 hrs)
3.	Sulphur dioxide (as SO_2)	IS: 5182: (Part-2)2001	µg /m^3	80 (24 hrs)
4.	Nitrogen dioxide (as NO_2)	IS: 5182: (Part-6)2006	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS: 5182 (Part 10): 1999	mg /m^3	2.0 (8 hrs)
6.	Ammonia (as NH_3)	CPCB NAAQM, Regulations, 2009	µg /m^3	400 (24 hrs)
7.	Ozone (as O_3)	IS: 5182 (Part 9): 1974	µg /m^3	100 (24hrs)
8.	Benzene (as C_6H_6)	IS: 5182 (Part 11):2006	µg /m^3	05 (Annual)
9.	Benzopyrene (as BaP)	IS: 5182 (Part 12): 2004	ng /m^3	01 (Annual)
10.	Lead (as Pb)	CPCB NAAQM , Regulations, 2009	µg /m^3	01 (24 hrs)
11.	Arsenic (as As)		ng /m^3	06 (Annual)
12.	Nickel (as Ni)		ng /m^3	20 (Annual)

Ambient Air Quality

Ambient air monitoring was carried out at 5 locations. The details about sampling locations are depicted in Figure 1 and presented in Table 2. The locations were identified keeping in view of described in EIA report. Monitoring reports are attached **Annexure I & II.**

TABLE 2: DETAILS OF AIR SAMPLING LOCATION

Sr. No.	Locations	Dis (Km)/Dir	Lat/Long	Justification
1	Main gate	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
2	Process area	-	21° 9'16.40"N, 78°44'18.27"E	Core Zone Project Site
3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E	Upwind
4	Mhasala	7.0/SW	21° 6'33.06"N, 78°41'36.63"E	Downwind/ Maximum GLC
5	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E	Downwind

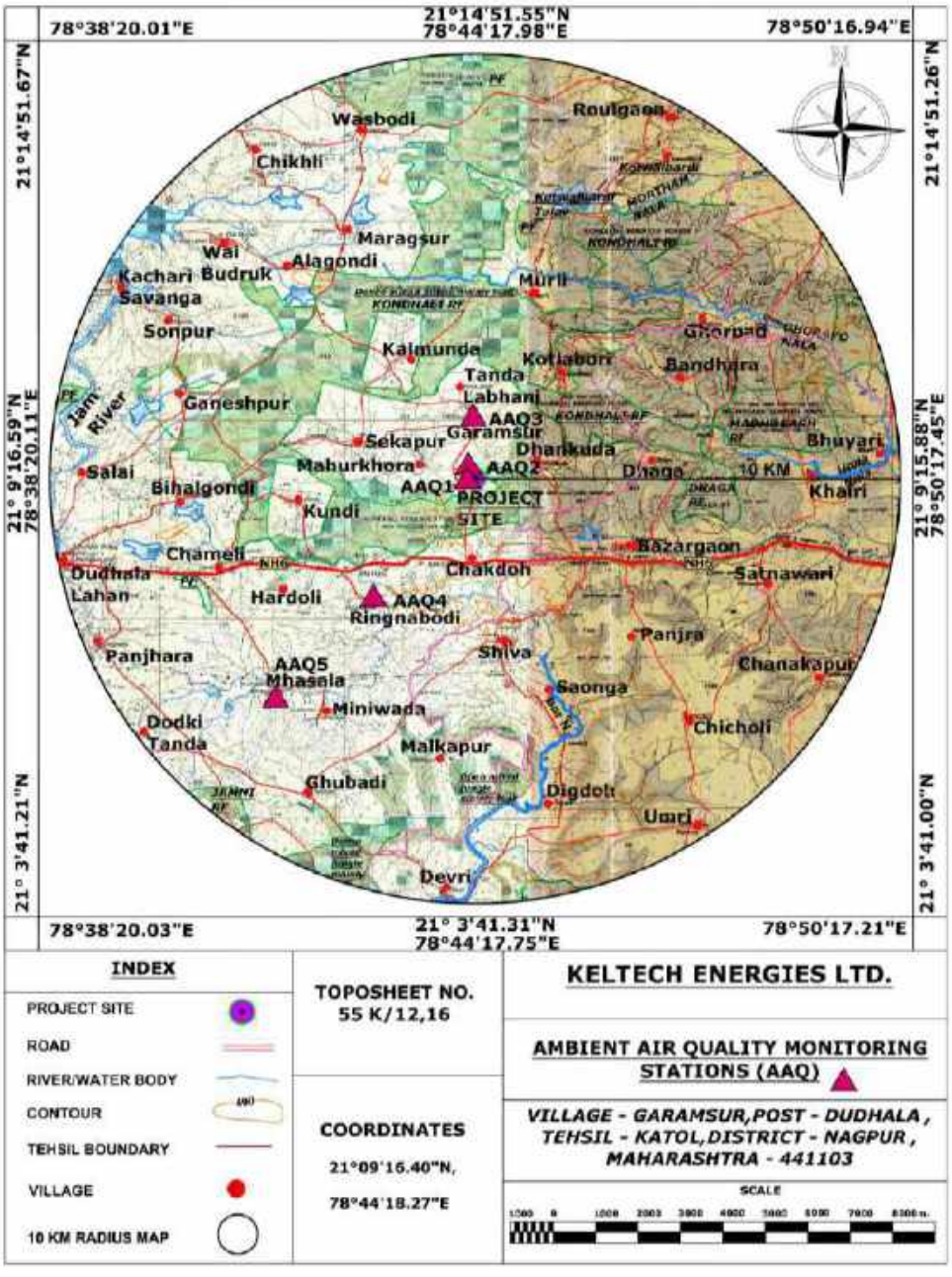

FIGURE 1: AMBIENT AIR QUALITY LOCATIONS

1.3 NOISE ENVIRONMENT

Five (5) locations were identified based on the activities in the village area, traffic and sensitive areas like hospitals and schools. The noise level monitoring locations are shown in **Figure 2** and details are given in **Table 3**.

Sound pressure levels (SPL) were measured at all locations. Considering residential, commercial, Industrial and sensitive location. The noise levels were taken for 24 hours. The day time noise levels were monitored during 6 am to 10 pm and night time levels during 10 pm to 6 am at all the locations within 10 km radius of the study area.

TABLE 3: NOISE MONITORING LOCATIONS

Sr. No.	Locations	Dis/Dir	Lat/Long	Justification
1	Project Site-PETN	-	-	Industrial
2	Project Site-Slurry	-	-	Industrial
3	Project Site-Spining	-	-	Industrial
4	Dhankuda	1.5/ NE	21°9'30.09"N, 78°45'8.96"E	Residential
5	Garamsur	1.4/N	21°9'59.25"N, 78°44'15.21"E	Silent

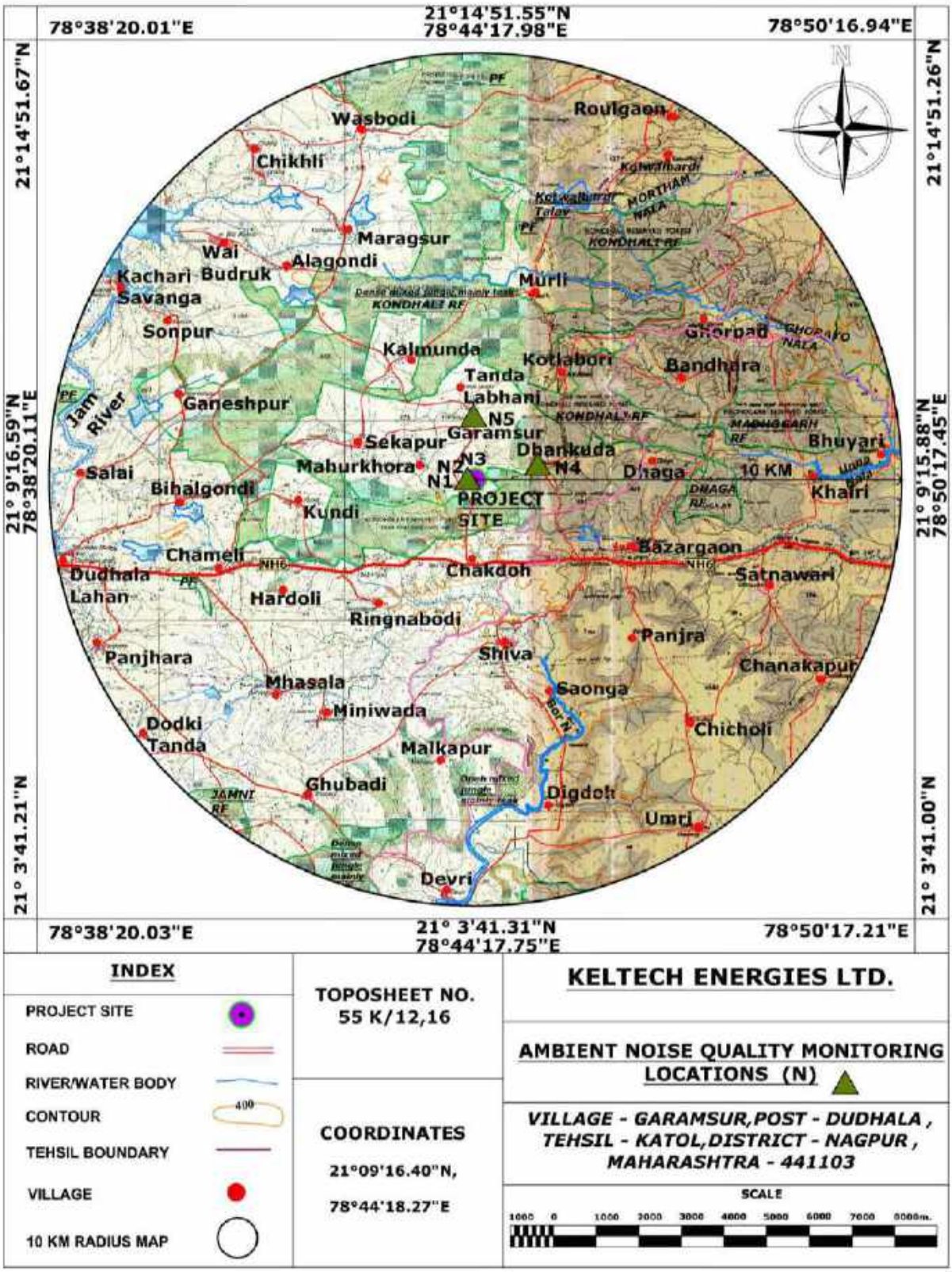

FIGURE 2: STUDY AREA MAP WITH NOISE MONITORING LOCATIONS

Monitoring Methodology of Noise

Environment Component	Sampling Location	Sampling Parameter	Sampling Frequency	Sampling Collection		Methodology
				Sampling Equipment	Detection Limit	
Ambient Noise levels	12 locations	Decibels-dB (A)	Once during the study period. (hourly reading for 24 hrs at each location)	Noise level Meter	0.1 dB (A)	SLM 100 [IS 15575-2 (2005)]

The statistical analysis was done for measured noise levels at 5 locations. The levels were analyzed for Leq_{day} and Leq_{night}. The results are attached **Annexure I & II.**

1.4 WATER ENVIRONMENT

In general, any industrial project is expected to cause impact on water environment in two ways: one is stress on water resources (continuous withdrawal of large quantities of water) and other is pollution through discharge of effluents. These impacts may be related to either both surface and groundwater resources in the project area depending on the specific situation. To address these issues, it is necessary to ensure the availability of water resources in project area with respect to their existing quality as well as their supportive capacity to represent the baseline status of water environment.

Surface and Ground Water Sampling Locations

Total 4 groundwater samples were collected from the study area. These samples were collected as grab samples presented and brought to the laboratory and were analyzed for various parameters and compared with the standards. The water sampling locations are listed in **Table 4** and are depicted in **Figure 3**. The selection of the ground water sampling locations was a made based on the surrounding activities, water intake, drinking sources and discharge point of view. The details are attached in Lab Reports **Annexure I & II.**

TABLE 4: GROUND WATER SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km)/Direction w.r.t. plant	Lat/Long
GW1	Project Site	-	21°09'16.40"N,78°44'18.27"E
GW2	Dhankuda	1.5/ NE	21° 9'30.09"N, 78°45'8.96"E
GW3	Garamsur	1.4/N	21° 9'59.25"N, 78°44'15.21"E
GW4	Ringnabodi	3.6/SW	21° 7'42.39"N, 78°42'59.56"E

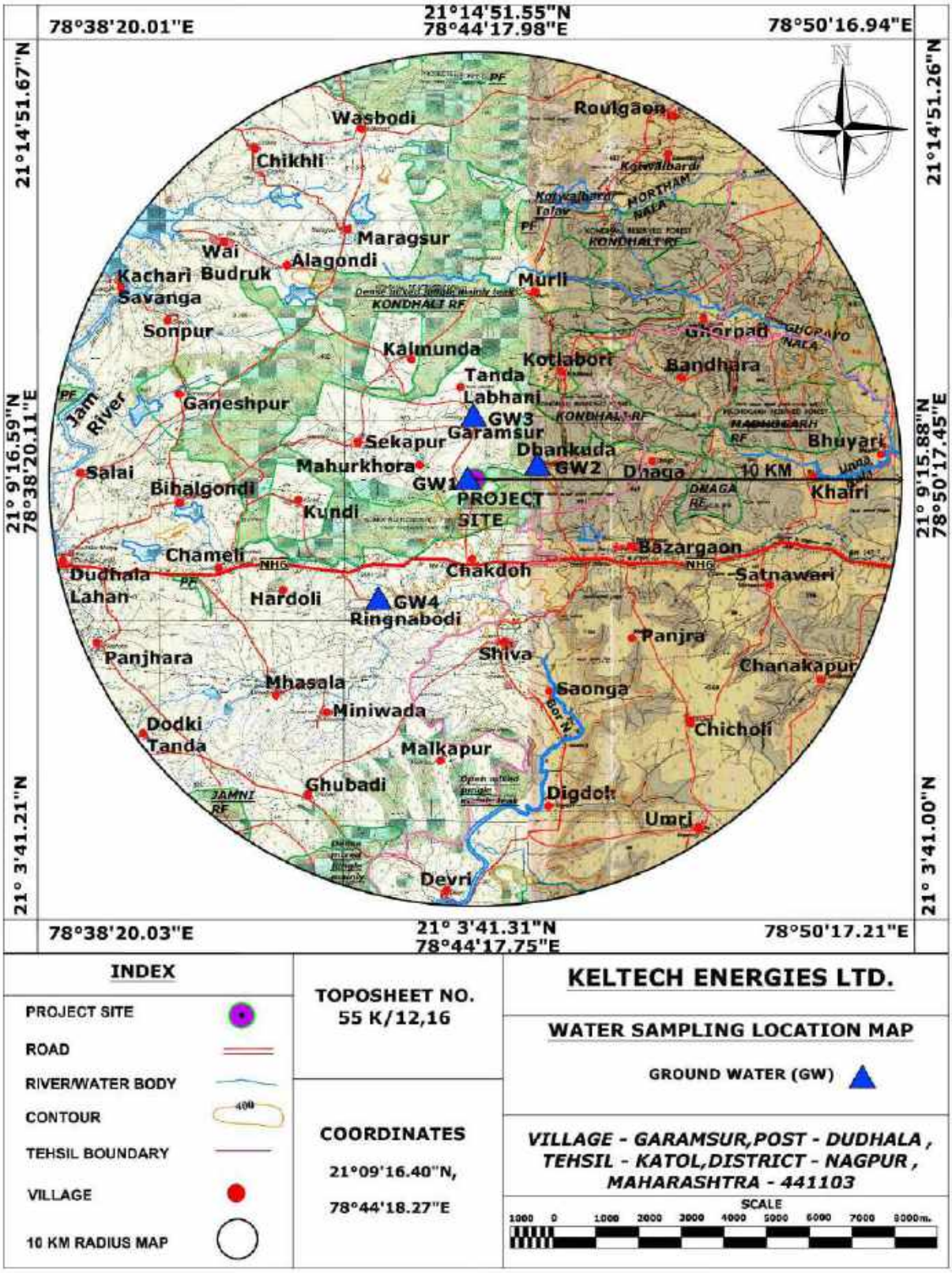

FIGURE 3: GROUND WATER SAMPLING LOCATIONS

1.5 LAND ENVIRONMENT

Soil may be defined as a thin layer of earth's crust which serves as a natural medium for the growth of plants. It is the unconsolidated mineral matter that has been subjected to, and influenced by genetic and environmental factors parent material, climate, organisms and topography all acting over a period of time. Soil differs from the parent material in the morphological, physical, chemical and biological properties. Also, soils differ among themselves in some or all the properties, depending on the differences in the genetic and environmental factors. Thus some soils are red, some are black; some are deep and some are shallow; some are coarse-textured and some are fine-textured. It serves in varying degree as a reservoir of nutrients and water for crops, provides mechanical anchorage and favorable tilth. The components of soils are mineral materials, organic matter, water and air, the proportions of which vary and which together form a system for plant growth; hence there is a need to study the soils in perspective manner.

For studying soil profile of the region, sampling locations were selected to assess the existing soil conditions in and around the project site representing various landuse conditions. The physical, chemical and heavy metal concentrations were determined. The samples were collected by ramming a core-cutter into the soil up to a depth of 20 cm. Total 4 samples were collected from different locations within the study area and analyzed. The details of the soil sample locations are given in Table 5 and shown in Figure 4. The monitoring was carried out once in quarter and results are attached **Annexure I & II.**

TABLE 5: DETAILS OF SOIL SAMPLING LOCATIONS

Code	Sampling Locations	Distance (km) /Direction w.r.t Plant	Lat/Long
S1	Project Site	-	21°09'16.40"N, 78°44'18.27"E
S2	Katlabori (RF land)	2.8/NE	21°10'14.38"N, 78°45'22.37"E
S3	Chakdoh (Road Side)	1.8/S	21° 8'13.74"N, 78°44'15.02"E
S4	Ringnabodi (Agri land)	3.6/SSW	21° 7'42.39"N, 78°42'59.56"E

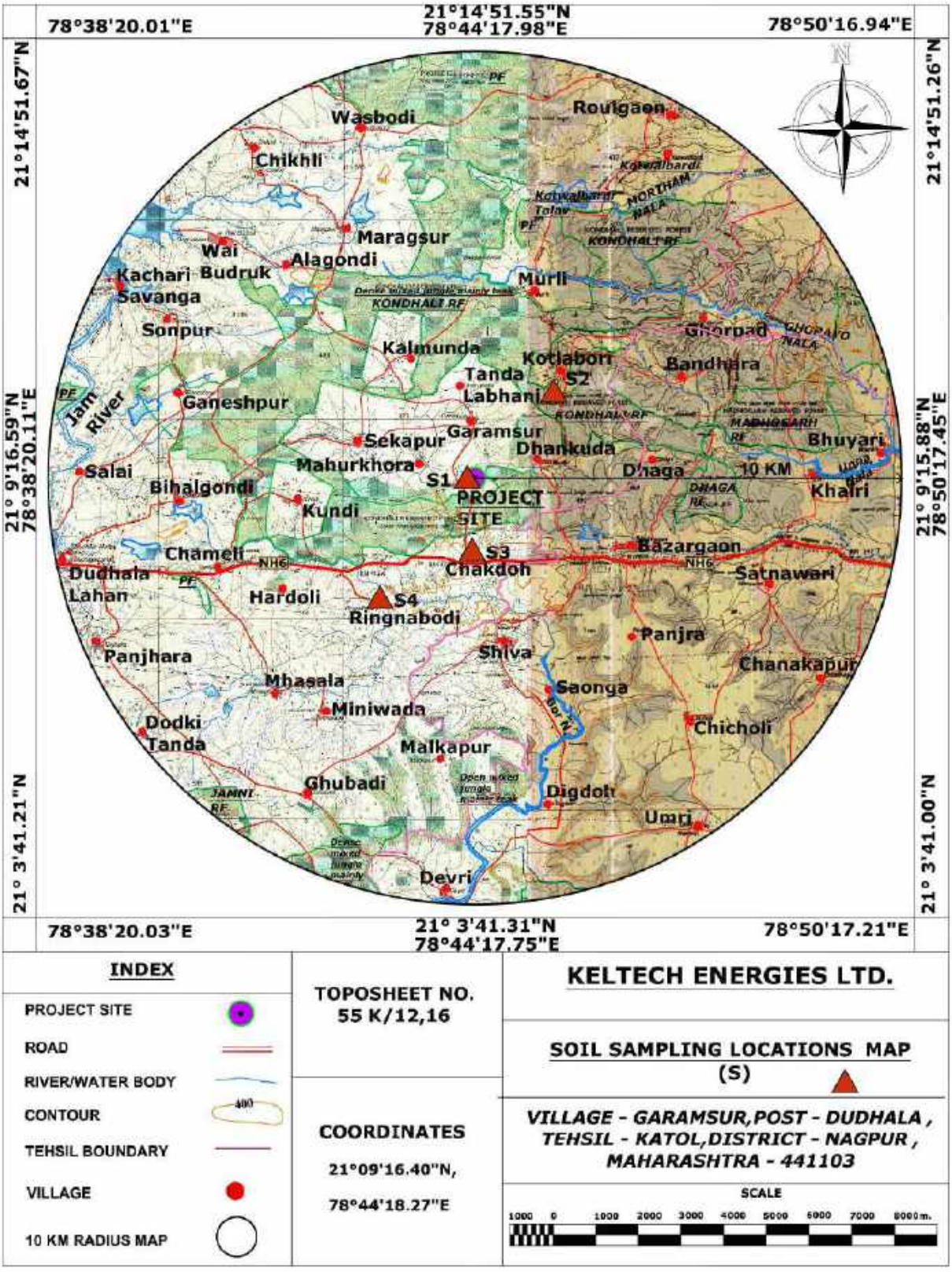

FIGURE 4: STUDY AREA MAP WITH SOIL SAMPLING LOCATIONS

SITE PHOTOGRAPHS

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<td>Green Belt</td>
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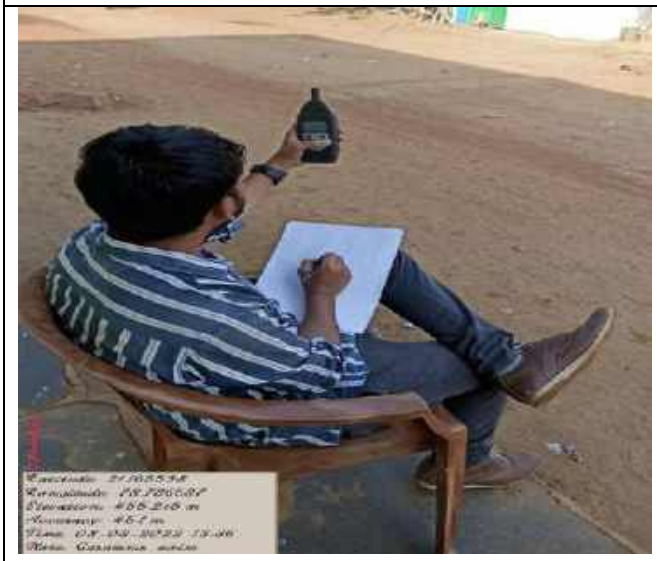
CER ACTIVITY PHOTOGRAPHS

Grampanchyat Garamsur Compound Wall

LED Street Light

MONITORING PHOTOGRAPHS



ANNEXURE I
MONITORING REPORT OCT-DEC-2021

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
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TEST REPORT

Ambient Air Quality Analysis Report-December-2021

Report Code: ALPL/31122021/1-1 **Issue Date:** 31/12/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-39-1
Sample Description	: Ambient Air
Sample Drawn On	: 24/12/2021 to 24/12/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/12/2021
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/12/2021 to 28/12/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.1 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.6 m/sec	18	24	46	72
		18-24		46-72	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	62.8	µg/m^3	100 (24 hrs)
2	Particulate Matter (PM_{25})	USEPA-40 (Part 50)	31.6	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	12.9	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	26.1	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.304	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	0.16	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	9.3	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	13.6	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

Thanks for your faith and trust in our services. We at Anacon Laboratories cherish our relationship.
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• Approved by : Food Safety & Standards Authority of India under FSS Act;
• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-December-2021

Report Code: ALPL/31122021/1-2 **Issue Date:** 31/12/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA 39 2
Sample Description	: Ambient Air
Sample Drawn On	: 27/12/2021 to 24/12/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/12/2021
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANld/7.2/Mon-01
Analysis Duration	: 27/12/2021 to 28/12/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.6 m/sec	18	24	46	72
		18-24		46-72	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	58.1	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	27.4	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.2	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	21.6	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.264	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	0.13	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.6	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	11.4	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng/m^3	1.0 (annual)

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(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-December-2021

Report Code: ALPL/31122021/1-3 **Issue Date:** 31/12/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA-39-3
Sample Description	: Ambient Air
Sample Drawn On	: 24/12/2021 to 28/12/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/12/2021
Sampling Location	: Garamsur
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/12/2021 to 28/12/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.6 m/sec	18	24	46	72
		18-24		46-72	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	51.3	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	18.1	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.6	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.4	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.176	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.4	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	9.2	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

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Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-December-2021

Report Code: ALPL/31122021/1-4 **Issue Date:** 31/12/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA 39 4
Sample Description	: Ambient Air
Sample Drawn On	: 24/12/2021 to 25/12/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/12/2021
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/12/2021 to 28/12/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.3 m/sec	20	24	48	76
		20-24		48-76	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	46.1	µg /m^3	100 (24 hrs)
2	Particulate Matter (PM_{25})	USEPA-40 (Part 50)	16.7	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	6.3	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	17.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.163	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	5.8	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	8.4	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
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(Quality Manager)

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-December-2021

Report Code: ALPL/31122021/1-5 **Issue Date:** 31/12/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2021/EIA 39-5
Sample Description	: Ambient Air
Sample Drawn On	: 24/12/2021 to 25/12/2021
Sample Drawn By	: Anacon Representative
Sample Received On	: 27/12/2021
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 27/12/2021 to 28/12/2021
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.5 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.3 m/sec	20	24	48	76
		20-24		48-76	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	48.1	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	17.9	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.6	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.4	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.193	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.3	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	9.1	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Report

Report No.: AN/SE/KEL/2021/1-7			**Date:** 31/12/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	**Stack Emission Monitoring**	**Sample Collected by**	Anacon Representative
Sampling Location	**Boiler (1 TPH)**	**Sample Quantity/ Packing**	Thimble. 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	23/12/2021	**Inward Number**	2021/EIA-39/51
Sampling Procedure	ANtd/7.2/Mon-01	**Date of Receipt of Sample**	27/12/2021
Date of Start of Analysis	27/12/2021	**Date of Completion of Analysis**	28/12/2021

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	114	IS:11255 (Part 3)
Flue gas velocity	m/s	9.56	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	14011.75	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10789.41	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	46.2	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	193.7	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	mg/Nm^3	128.3	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	380	Gas analyser

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Noise Study Report

Report Code: AN/NE/2021/1-6
Inward Number: 2021/EIA-N-39

Issue Date: 31/12/2021
Inward Date: 27/12/2021

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post. Dudhala,
Tehsil Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	23/12/2021	IS 9989:1981 (R2001)	61.3	48.2
2.	Project Site-Slurry	23/12/2021		54.9	41.6
3.	Project Site-Spining	23/12/2021		47.2	38.1
4.	Dhankuda	24/12/2021		52.1	39.7
5.	Garamsur	24/12/2021		48.6	38.4
Range				**47.2-61.3**	**38.4-48.2**
CPCB Standards- dB(A)					
Industrial Area				**75**	**70**
Commercial Area				**65**	**55**
Residential Area				**55**	**45**
Silence Zone				**50**	**40**

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
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(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2021/1 8			Date: 31/12/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	24/12/2021	Inward Number	2021/EIA-39/S2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	27/12/2021
Date of Start of Analysis	27/12/2021	Date of Completion of Analysis	28/12/2021

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	131	-	IS:11255 (Part 3)
Flue gas velocity	m/s	12.68	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1476.17		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1088.86		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.076	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.012	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.84	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	280		Gas Analyser

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TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEI /2021/1-9			**Date:** 31/12/2021
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 ml X 1No. PVC Bottle NOx: 30 ml X 1No. PVC Bottle
Date of Sampling	24/12/2021	Inward Number	2021/EIA-39/S3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	27/12/2021
Date of Start of Analysis	27/12/2021	Date of Completion of Analysis	28/12/2021

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	148	-	IS:11255 (Part 3)
Flue gas velocity	m/s	15.75	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1833.94	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1298.13	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.14	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.013	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.162	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	340		Gas Analyser

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(Technical Manager)

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Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-18 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-WW1	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 25/12/2021 Sampling Time : 10.50 am	Sampling Location
Anacon Representative		ETP Inlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 1983	6.73 at 25^{0}C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	4381
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	84
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	127.63
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	73.81
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	2852
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	916

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Shubhangi Armarkar
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-19 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-WW2	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Outlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 25/12/2021 Sampling Time : 11.10 am	Sampling Location
Anacon Representative		ETP Outlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing** **Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 1983	7.14 at 25^{0}C	**5.5 – 9.0**
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	638	**2100**
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	**100**
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	38.52	**1000**
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	13.96	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	**10**
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	32.81	**250**
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	9.76	**30**

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Test Report No. : ALPL/31122021/1-10 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-1	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative	**Sampling Date**	24/12/2021	Project Site
	Sampling Time	11.20 am to 4.10pm	

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.92 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	762.81
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	427
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	172.94
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	183.80
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	54.76
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.42
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.94
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	14.27
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	26.94
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	9.31
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	48.52
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.24
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	14.82
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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TEST REPORT

Test Report No. : ALPL/31122021/1-10 dated 31/12/2021

Issued To :			
M/s Keltech Energies Ltd, Village Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2021/EIA-39-GW-1 **Inward Date** 27/12/2021 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 27/12/2021 **Analysis End** 31/12/2021 **Report Issue Date** 31/12/2021 **Sample Category** Water	

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	24/12/2021 11.20 am to 4.10pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.74
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.16
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-11 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-2	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative	**Sampling Date** 24/12/2021 **Sampling Time** 11.20 am to 4.10pm	Dhankura

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.39 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	482.7
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.2
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	270
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	153.94
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	148.83
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	43.81
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	9.57
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.84
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	16.32
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	28.19
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.26
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	42.58
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.16
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	13.94
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Test Report No. : ALPL/31122021/1-11 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-2	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	**Sampling Location**
Anacon Representative	**Sampling Time** 11.20 am to 4.10pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500- 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.53
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) . 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-12 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-3	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By		**Sampling Location**
Anacon Representative	**Sampling Date** 24/12/2021 **Sampling Time** 11.20 am to 4.10pm	Garamsur

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.93 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	516.4
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	289
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	146.81
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	180.14
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	53.46
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	11.32
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	3.16
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	17.29
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	21.43
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.82
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	32.68
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.21
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	14.64
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Test Report No. : ALPL/31122021/1-12 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-3	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	25/12/2021 11.20 am to 4.10pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.58
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.16
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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TEST REPORT

Test Report No. : ALPL/31122021/1-13 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-4	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative	24/12/2021 11.20 am to 4.10pm	Ringnabodi

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.82 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	483.6
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.2
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	6.1
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	271
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	152.94
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	172.11
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	48.36
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.47
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.92
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) .1993	--	--	13.57
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	18.94
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.81
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	26.43
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	13.57
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

Laboratory address : FP-34, 35, Food Park, 5 Star Industrial Estate, MIDC Butibori, Nagpur - 441 122.
Email : support@anacon.in;
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TEST REPORT

Test Report No. : ALPL/31122021/1-13 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-GW-4	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue Date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	**Sampling Location**
Anacon Representative	**Sampling Time** 11.20 am to 4.10pm	Ringnabodi

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS 10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.46
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.18
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-14 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103	**Sample Inward No.**	2021/EIA-39-S1	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date : 25/12/2021** **Sampling Time :** 11.20 am to 5.10 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	16.93
2	Bulk density	g/cm3	Lab-SOP	1.513
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.63
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.58
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.19
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.23
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25^{0}C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.76 at 25^{0}C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	316.28
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	826.94
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.81
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.57
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	68.26
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	392.84
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	426.19

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S1	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	62.57
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.92
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.56
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	64.29
18	Sodium adsorption ratio	-	By Calculation	3.52
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.21
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.57
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	349.51
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.43
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	428.19
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S1	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.27
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.51
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.28
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.52
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.19
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.37
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.42
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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TEST REPORT

Test Report No. : ALPL/31122021/1-15 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S2	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	21.56
2	Bulk density	g/cm3	Lab-SOP	1.782
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.92
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.58
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.76
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.66
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.94 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	131.81
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	492.76
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	82.51
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.62
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	241.57
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	231.68
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	171.29

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/31122021/1-15 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S2	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	236.82
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.46
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.82
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	47.19
18	Sodium adsorption ratio	-	By Calculation	16.28
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.46
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.72
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	116.94
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.28
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	294.76
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	9

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/31122021/1-15 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S2	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S2- Katlabori	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.38
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.52
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.28
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.63
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.17
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.29
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.48
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/31122021/I-16 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S3	**Analysis Start** 27/12/2021
	Inward Date	27/12/2021	**Analysis End** 31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date** 31/12/2021
	Reference Date	21-Oct-2020	**Sample Category** Soil

Sample Name Soil	**Sampling Date** : 25/12/2021 **Sampling Time** : 11.20 am to 5.10 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S3- Chakdoh	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	21.63
2	Bulk density	g/cm3	Lab SOP	1.678
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.95
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.58
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	38.43
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.99
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.14 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	141.82
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	463.94
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.68
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	361.72
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	192.46
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.69

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-16 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S3	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	162.82
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	101.46
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	282.91
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.64
18	Sodium adsorption ratio	-	By Calculation	21.17
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.93
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.52
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	142.64
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	18.32
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	291.67
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'

Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-16 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S3	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.26
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.28
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.48
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.16
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.47
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	5.19
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.36
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/31122021/1-17 dated 31/12/2021

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S4	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm	**Quantity Received** 2 Kg
Sample Collected By Anacon Representative	**Sampling Location** S4- Ringnabodi	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.93
2	Bulk density	g/cm3	Lab SOP	1.637
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.05
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	46.87
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	20.96
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.17
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.97 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	153.82
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	439
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.57
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.94
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	263.81
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	173.29
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.64

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S4	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	164.82
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.73
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	192.81
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	52.64
18	Sodium adsorption ratio	-	By Calculation	21.42
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.76
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.37
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.94
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.62
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	301.59
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Armarkar
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Garway
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2021/EIA-39-S4	**Analysis Start**	27/12/2021
	Inward Date	27/12/2021	**Analysis End**	31/12/2021
	Reference	KEL.PO.2021.00520	**Report Issue date**	31/12/2021
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 25/12/2021 **Sampling Time :** 11.20 am to 5.10 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.27
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13.94
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.27
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.16
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.21
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.84
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.37
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report------

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ANNEXURE II
MONITORING REPORT JAN-MARCH-2022

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TEST REPORT

Ambient Air Quality Analysis Report-March-2022

Report Code: ALPL/21032022/1-1 **Issue Date:** 21/03/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-41-1
Sample Description	: Ambient Air
Sample Drawn On	: 07/03/2022 to 08/03/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/03/2022
Sampling Location	: **Main Gate**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 11/03/2022 to 12/03/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.3 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.2 m/sec	24	36	38	84
		24-36		38-84	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	67.2	µg/m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	32.8	µg/m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	13.1	µg/m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	28.6	µg/m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.271	mg/m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	0.18	µg/m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng/m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng/m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	9.7	µg/m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	12.8	µg/m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg/m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng/m^3	1.0 (annual)

NOTES: • Please see watermark "Original Test Report" to confirm the authenticity of this report. • Results shall be referred to tested sample(s) and applicable to tested parameters only. • Test report shall not be reproduced except in full without prior written approval of Anacon Labs. • BDL- Below detection limit • DL- Indicates detection limit of instrument/method and shall be considered as 'absent'.

Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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TEST REPORT

Ambient Air Quality Analysis Report-March-2022

Report Code: ALPL/21032022/1-2 **Issue Date:** 21/03/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-41-2
Sample Description	: Ambient Air
Sample Drawn On	: 07/03/2022 to 08/03/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/03/2022
Sampling Location	: **Process Area**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 11/03/2022 to 12/03/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.2 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	5.2 m/sec	24	36	38	84
		24-36		38-84	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	61.8	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	23.7	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	9.3	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.1	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.237	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	0.12	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	8.1	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	9.7	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Remark: - All Results are within Limit as per CPCB Standards.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

----End of Report----

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-March-2022

Report Code: ALPL/21032022/1-3 Issue Date: 21/03/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-41-3
Sample Description	: Ambient Air
Sample Drawn On	: 08/03/2022 to 09/03/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/03/2022
Sampling Location	: **Garamsur**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 11/03/2022 to 12/03/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.7 m/sec	21	36	32	87
		21-36		32-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	54.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.3	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.4	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	16.9	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.183	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	6.7	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	8.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-March-2022

Report Code: ALPL/21032022/1-4 **Issue Date:** 21/03/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-41-4
Sample Description	: Ambient Air
Sample Drawn On	: 08/03/2022 to 09/03/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/03/2022
Sampling Location	: **Mhasala**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 11/03/2022 to 12/03/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.7 m/sec	21	36	32	87
		21-36		32-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	49.7	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	16.4	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	7.2	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	18.6	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.171	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.2	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	9.6	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Ambient Air Quality Analysis Report-March-2022

Report Code: ALPL/21032022/1-5 **Issue Date:** 21/03/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.

Inward No.	: 2022/EIA-41-5
Sample Description	: Ambient Air
Sample Drawn On	: 08/03/2022 to 09/03/2022
Sample Drawn By	: Anacon Representative
Sample Received On	: 11/03/2022
Sampling Location	: **Ringnabodi**
Sampling Plan & Procedure	: ANtd/7.2/Mon-01
Analysis Duration	: 11/03/2022 to 12/03/2022
Sampling Time	: 24 Hrs.
Average Flow Rate of SPM	: 1.3 (m^3/min)
Average Flow Rate of Gases	: 0.4 (lpm)

METEOROLOGICAL DATA MONITORED AT SITE

Wind Direction	Wind Speed	Temperature (° C)		Relative Humidity (%)	
		Min	Max	Min	Max
NW &WNW	4.7 m/sec	21	36	32	87
		21-36		32-87	

Sl. No.	PARAMETER	TEST METHOD	RESULT	UNIT	CPCB Standard
1	Particulate Matter (PM_{10})	IS:5182 (Part 23)	51.6	µg /m^3	100 (24 hrs)
2	Particulate Matter ($PM_{2.5}$)	USEPA-40 (Part 50)	18.7	µg /m^3	60 (24 hrs)
3	Sulphur dioxide (as SO_2)	IS:5182 (Part 2)	8.3	µg /m^3	80 (24 hrs)
4	Nitrogen dioxide (as NO_2)	IS:5182 (Part 6)	19.1	µg /m^3	80 (24 hrs)
5	Carbon Monoxide (as CO)	IS:5182 (Part 10)	0.187	mg /m^3	2.0 (8 hrs)
6	Lead (as Pb)	IS:5182 (Part 22)	BDL (DL-0.01)	µg /m^3	1.0 (24 hrs)
7	Nickel (as Ni)	SOP ANqd/Mon-4	BDL (DL-0.1)	ng / m^3	20.0 (annual)
8	Arsenic (as As)	SOP ANqd/Mon-3	BDL (DL-0.1)	ng / m^3	6.0 (annual)
9	Ozone (as O_3)	IS:5182 (Part 9)	7.6	µg /m^3	100 (8 hrs)
10	Ammonia (as NH_3)	Indophenol Method	11.3	µg /m^3	400 (24 hrs)
11	Benzene (as C_6H_6)	IS:5182 Part 11-GC	BDL (DL-0.01)	µg /m^3	5.0 (annual)
12	Benzo-Pyrene (as BaP)	IS:5182 Part 12-GC	BDL (DL-0.01)	ng / m^3	1.0 (annual)

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Authorized Signatory
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(Quality Manager)

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• Export Inspection council (EIC); AGMARK.

TEST REPORT

Noise Study Report

Report Code: ALPL/21032022/1-6 **Issue Date:** 21/03/2022

Inward Number: 2022/EIA-N-41 **Inward Date:** 11/03/2022

Issued To : **M/s Keltech Energies Limited**
Mouza Garamsur, Post:-Dudhala,
Tehsil-Katol, Dist:-Nagpur (M.S)

RESULTS

Sr. No.	Location	Date of Sampling	METHOD	Results dB(A)	
				Leq_{day}	Leq_{night}
1.	Project Site-PETN	07/03/2022	IS 9989:1981 (R2001)	63.9	51.6
2.	Project Site-Slurry	07/03/2022		58.2	47.3
3.	Project Site-Spining	08/03/2022		51.7	41.8
4.	Dhankuda	08/03/2022		52.9	42.1
5.	Garamsur	08/03/2022		47.3	38.6
Range				47.3-63.9	38.6-51.6
CPCB Standards- dB(A)					
Industrial Area				75	70
Commercial Area				65	55
Residential Area				55	45
Silence Zone				50	40

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Export Inspection council (EIC); AGMARK.

TEST REPORT

Stack Emission Report

Report No.: AN/SE/KEL/2022/1-7			Date: 21/03/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Anacon Representative
Sampling Location	Boiler (1 TPH)	Sample Quantity/ Packing	Thimble: 1 X 1 No. SO_2: 30 mL X 1 No. PVC Bottle NOx: 25 mL X 1 No. PVC Bottle
Date of Sampling	08/03/2022	Inward Number	2022/EIA-41/S1
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	11/03/2022
Date of Start of Analysis	14/03/2022	Date of Completion of Analysis	15/03/2022

Stack Details			
Stack Identity		Boiler	-
Stack height above ground level		30	Meter
Stack diameter		0.72	Meter
Stack shape at top		Round	-
Parameter	**Unit**	**Result**	**Method Reference**
Flue gas temperature	°C	121	IS:11255 (Part 3)
Flue gas velocity	m/s	9.57	IS:11255 (Part 3)
Total gas quantity at STP	m^3/h	14025.25	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	10607.93	IS:11255 (Part 3)
Particulate Matter (PM)	mg/Nm^3	42.9	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	mg/Nm^3	183.4	IS 11255 (Part 2)
Oxide of Nitrogen (NO_x)	mg/Nm^3	116.3	IS 11255 (Part 7)
Carbon Monoxide (CO)	ppm	360	Gas analyser

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TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-8			Date: 21/03/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-1 (200 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	08/03/2022	Inward Number	2022/EIA-41/S2
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	11/03/2022
Date of Start of Analysis	14/03/2022	Date of Completion of Analysis	15/03/2022

Stack Details				
Stack Identity		DG-1		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	127	-	IS:11255 (Part 3)
Flue gas velocity	m/s	12.43	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1447.91		IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1078.70		IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.072	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.011	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.86	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	260		Gas Analyser

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TEST REPORT

Stack Emission Monitoring Report

Report No.: AN/SE/KEL/2022/1-9			**Date:** 21/03/2022
Issued to	**M/s Keltech Energies Limited** Mouza Garamsur, Post:-Dudhala, Tehsil-Katol, Dist:-Nagpur (M.S)-441 103.		
Sample Description/Type	Stack Emission Monitoring	**Sample Collected by**	Laboratory
Sampling Location	**DG-2 (500 kVA)**	**Sample Quantity/Packing**	Thimble: 1 X 1 No. SO_2: 30 mL X 1No. PVC Bottle NOx: 30 mL X 1No. PVC Bottle
Date of Sampling	08/03/2022	Inward Number	2022/EIA-41/S3
Sampling Procedure	ANtd/7.2/Mon-01	Date of Receipt of Sample	11/03/2022
Date of Start of Analysis	14/03/2022	Date of Completion of Analysis	15/03/2022

Stack Details				
Stack Identity		DG-2		--
Stack attached to		DG		--
Material of construction		MS		--
Stack diameter		0.203		Meter
Type of Fuel		HSD		--
Parameter	**Unit**	**Result**	***Limits**	**Method Reference**
Flue gas temperature	°C	163	-	IS:11255 (Part 3)
Flue gas velocity	m/s	16.23	-	IS:11255 (Part 3)
Total gas quantity	m^3/h	1889.95	-	IS:11255 (Part 3)
Total gas quantity at NTP	Nm^3/h	1291.75	-	IS:11255 (Part 3)
Total Particulate Matter (PM)	gm/kw-h	0.16	**≤ 0.2**	IS:11255 (Part 1)
Sulphur Dioxide (SO_2)	gm/kw-h	0.012	-	IS 11255 (Part 2)
Oxide of Nitrogen (NO_X)	gm/kw-h	0.176	**≤ 4.0**	IS 11255 (Part 7)
Hydrocarbon (HC)	ppm	380		Gas Analyser

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TEST REPORT

Test Report No. : ALPL/21032022/1-10 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-GW-1	**Analysis Start** 12/03/2022
	Inward Date	11/03/2022	**Analysis End** 17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 21/03/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By			Sampling Location
Anacon Representative Mr. Mithun Kolhe	**Sampling Date** 08/03/2022 **Sampling Time** 11.30 am to 4.20pm		Project Site

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.87 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	752.94
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.4
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	422
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	184.76
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	192.80
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	56.29
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.68
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.81
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	13.73
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	18.24
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.39
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	51.68
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.17
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	13.81
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Sibhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-GW-1	**Analysis Start** 12/03/2022
	Inward Date	11/03/2022	**Analysis End** 17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 21/03/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-1 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Mithun Kolhe	Sampling Time 11.30 am to 4.20pm	Project Site

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.56
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC): AGMARK.

TEST REPORT

Test Report No. : ALPL/21032022/1-11 dated 21/03/2022

Issued To ; **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-GW-2	**Analysis Start** 12/03/2022
	Inward Date	11/03/2022	**Analysis End** 17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 21/03/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	**Sampling Date** 08/03/2022 **Sampling Time** 11.30 am to 4.20pm		Dhankura

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	6.94 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	538.6
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.8
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	302
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	167.29
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	173.82
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	48.27
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.94
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	1.68
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	17.24
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	21.59
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.52
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	28.46
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.18
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	12.67
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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TEST REPORT

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	Sample Inward No.	2022/EIA-41-GW-2	Analysis Start	12/03/2022
	Inward Date	11/03/2022	Analysis End	17/03/2022
	Reference	KEL.PO.2021.00520	Report Issue Date	21/03/2022
	Reference Date	21-Oct-2020	Sample Category	Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-2 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date	Sampling Location
Anacon Representative Mr. Mithun Kolhe	Sampling Time 11.30 am to 4.20pm	Dhankura

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.46
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By

Shashikant Satdeve
Sr.chemist

Authorized Signatories

Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/21032022/1-12 dated 21/03/2022

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-GW-3	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	**Sampling Date**	09/03/2022	Garamsur
	Sampling Time	11.30 am to 4.20pm	

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	8.14 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	473.9
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.6
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.7
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	265
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	176.29
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	188.73
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	54.81
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	12.59
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.76
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	18.24
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	16.32
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	8.29
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	27.56
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.27
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	16.32
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.** 2022/EIA-41-GW-3 **Inward Date** 11/03/2022 **Reference** KEL.PO.2021.00520 **Reference Date** 21-Oct-2020	**Analysis Start** 12/03/2022 **Analysis End** 17/03/2022 **Report Issue Date** 21/03/2022 **Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Ground Water	Borewell	GW-3 Ground Water	5 L & 250ml

Sample Collected By	Sampling Date / Sampling Time	Sampling Location
Anacon Representative Mr. Mithun Kolhe	09/03/2022 11.30 am to 4.20pm	Garamsur

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.31
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.17
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/21032022/1-13 dated 21/03/2022

Issued To :					
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-GW-4	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By	**Sampling Date**	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	**Sampling Time** 11.30 am to 4.20pm	Ringnabodi

Tests Required : pH, Electrical Conductivity, Turbidity, Dissolved Oxygen, Total dissolved solids, Total suspended solids, Total Alkalinity, Total hardness, Calcium, Magnesium, Potassium, Sodium, Sulphate, Nitrate, Chloride, Fluoride, Total Nitrogen, Oil and Grease.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS-10500:2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
1	pH	-	IS 3025 (Part 11) : 1983	6.5 to 8.5	No relaxation	7.16 at 25°C
2	Electrical Conductivity at 25°C	µs/cm	IS 3025 (Part 14) 2013	--	--	428.19
3	Turbidity	NTU	IS 3025 (Part 10) : 1984	1	5	0.3
4	Dissolved Oxygen	mg/l	IS 3025 (Part 38) :1989	--	--	5.9
5	Total Dissolved Solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	500	2000	240
6	Total Suspended Solids	mg/l	IS 3025 (Part 17) :1984	--	--	BDL(DL-10)
7	Total Alkalinity (as $CaCO_3$)	mg/l	IS 3025 (Part 23) : 1986	200	600	167.32
8	Total Hardness (as $CaCO_3$)	mg/l	IS 3025 (Part 21) : 2009	200	600	171.77
9	Calcium (as Ca)	mg/l	IS 3025 (Part 40) : 1991	75	200	46.91
10	Magnesium (as Mg)	mg/l	IS 3025 (Part 46) : 1994	30	100	13.27
11	Potassium (as K)	mg/l	IS 3025 (Part 45) :1993	--	--	2.41
12	Sodium (as Na)	mg/l	IS 3025 (Part 45) :1993	--	--	12.58
13	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	200	400	16.32
14	Nitrate (as NO_3)	mg/l	APHA Method 23rd Edition	45	No relaxation	7.64
15	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	250	1000	28.17
16	Fluoride (as F)	mg/l	IS 3025 (Part 60) : 2008	1.0	1.5	0.14
17	Total Nitrogen (as N)	mg/l	IS 3025 (Part 34) : 2019	--	--	14.97
18	Oil & grease	mg/l	IS 3025 (Part 39) :1991	--	--	BDL(DL-4)

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Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

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- Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/21032022/I-13 dated 21/03/2022

Issued To :				
M/s Keltech Energies Ltd, Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-GW-4	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Water

Sample Name	**Sample Source**	**Sample Particulars**	**Quantity Received**
Ground Water	Borewell	GW-4 Ground Water	5 L & 250ml

Sample Collected By			**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	**Sampling Date**	09/03/2022	Ringnabodi
	Sampling Time	11.30 am to 4.20pm	

Tests Required : Total Phosphate, Iron, Copper, Manganese, Cobalt, Cadmium, Arsenic, Lead, Zinc, Nickel, Total Chromium, Total coliform, Faecal coliform.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Requirement as per IS -10500: 2012 Including Amendment No.3		Test Result
				Acceptable Limit	Permissible Limit	
19	Total Phosphate (as PO_4)	mg/l	IS 3025 (Part 31) : 1988	-	-	0.42
20	Iron (as Fe)	mg/l	IS 3025 (Part 2) : 2019	1.0	No relaxation	0.21
21	Copper (as Cu)	mg/l	IS 3025 (Part 2) : 2019	0.05	1.5	BDL(DL-0.03)
22	Manganese (as Mn)	mg/l	IS 3025 (Part 2) : 2019	0.1	0.3	BDL(DL-0.05)
23	Cobalt (as Co)	mg/l	IS 3025 (Part 2) : 2019	-	-	BDL(DL-0.01)
24	Cadmium (as Cd)	mg/l	IS 3025 (Part 41) : 1992	0.003	No relaxation	BDL(DL-0.001)
25	Arsenic (as As)	mg/l	IS 3025 (Part 37) : 1988	0.01	0.05	BDL(DL-0.01)
26	Lead (as Pb)	mg/l	IS 3025 (Part 2) : 2019	0.01	No relaxation	BDL(DL-0.001)
27	Zinc (as Zn)	mg/l	IS 3025 (Part 2) : 2019	5	15	BDL(DL-0.1)
28	Nickel (as Ni)	mg/l	IS:13428 : 2005(Annexure L)	0.02	No relaxation	BDL(DL-0.01)
29	Total Chromium (as Cr)	mg/l	IS 3025 (Part 2) : 2019	0.05	No relaxation	BDL(DL-0.03)
30	Total Coliform	Per 100 ml	IS 15185 : 2016	Absent	Absent	Absent
31	Faecal Coliform	MPN/100 ml	IS 1622 : 1981	-	-	BDL(DL-2)

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REMARKS : As requested by the client, sample was tested for above parameters only. **Sample complies with IS:10500:2012, for tests conducted, indicating that it is fit for drinking purpose with respect to tested parameters.**

Verified By
Shashikant Satdeve
Sr.chemist

Authorized Signatories
Pooja Kathane
Technical Manager

Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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- Export inspectibn council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/21032022/1-14 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-WW1	**Analysis Start** 12/03/2022
	Inward Date	11/03/2022	**Analysis End** 17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 21/03/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Inlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 08/03/2022 Sampling Time : 10.20 am	Sampling Location
Anacon Representative Mr. Mithun Kolhe		ETP Inlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
I	**Chemical Testing** **Pollution & Environment**			
1	pH	-	IS 3025 (Part 11) : 1983	6.52 at 25^{0}C
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	4628
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	92
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	131.68
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	64.73
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	2491
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	853

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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TEST REPORT

Test Report No. : ALPL/21032022/1-15 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-WW2	**Analysis Start** 12/03/2022
	Inward Date	11/03/2022	**Analysis End** 17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue Date** 21/03/2022
	Reference Date	21-Oct-2020	**Sample Category** Water

Sample Name	Sample Source	Sample Particulars	Quantity Received
Waste Water	Outlet Water	WW-1 Waste Water	2 L

Sample Collected By	Sampling Date : 08/03/2022 Sampling Time : 10.35 am	Sampling Location
Anacon Representative Mr. Mithun Kolhe		ETP Outlet

Tests Required : Ph, Total dissolved solids, Total suspended solids, Chloride, Sulphate, Oil and Grease, Chemical oxygen demand, Biochemical oxygen demand,.

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result	Limits
I	**Chemical Testing Pollution & Environment**				
1	pH	-	IS 3025 (Part 11) : 1983	7.18 at 25^{0}C	5.5 – 9.0
2	Total dissolved solids (TDS)	mg/l	IS 3025 (Part 16) : 1984	753	2100
3	Total suspended solids	mg/l	IS 3025 (Part 17) :1984	BDL(DL-10)	100
4	Chloride (as Cl)	mg/l	IS 3025 (Part 32) :1988	41.68	1000
5	Sulphate (as SO_4)	mg/l	IS 3025 (Part 24) : 1986	12.94	--
6	Oil & grease	mg/l	IS 3025 (Part 39) :1991	BDL(DL-4)	10
7	Chemical oxygen demand	mg/l	IS 3025 (Part 58) : 2006	48.29	250
8	Biochemical oxygen demand (at 27^{0}C for 3 days)	mg/l	IS 3025 (Part 44) :1993	15.67	30

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REMARKS : As requested by the client, sample was tested for above parameters only.

Verified by
Shubhangi Armarkar
(Technical Manager)

Authorized Signatory
Dr. (Mrs.) S.D. Garway
(Quality Manager)

-----End of Report-----

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TEST REPORT

Test Report No. : ALPL/2103022/1-16 , dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S1	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Mithun Kolhe		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	17.32
2	Bulk density	g/cm3	Lab-SOP	1.491
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	32.76
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.68
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.14
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.18
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.81 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	329.27
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	816.52
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	162.76
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.46
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	71.68
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	341.52
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.94

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Verified By

Shubhangi Armarkar
Technical Manager

For
Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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Test Report No. : ALPL/2103022/1-16 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S1	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name Soil	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received** 1 Kg
Sample Collected By Anacon Representative Mr. Mithun Kolhe	**Sampling Location** S1-Project Site	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	54.26
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.94
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.52
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	73.82
18	Sodium adsorption ratio	-	By Calculation	2.94
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.26
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.47
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	352.81
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.52
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	416.94
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	14

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export Inspection council (EIC): AGMARK.

TEST REPORT

Test Report No. : ALPL/2103022/1-16 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S1	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm		**Quantity Received** 1 Kg	
Sample Collected By Anacon Representative Mr. Mithun Kolhe		**Sampling Location** S1-Project Site		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.24
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.64
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.21
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.81
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.16
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.92
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.56
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Test Report No. : ALPL/2103022/1-17 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S2	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S2- Katlahori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	22.94
2	Bulk density	g/cm3	Lab-SOP	1.673
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	28.94
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	34.62
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	29.19
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	36.19
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.03 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	128.53
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	472.81
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	76.98
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	427.39
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	252.81
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.54
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	184.93

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S2	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.82
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	114.91
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	236.76
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	48.14
18	Sodium adsorption ratio	-	By Calculation	16.97
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.53
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.68
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	121.57
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.24
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	304.92
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	11

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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• Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
• Export inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S2	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S2- Katlabori

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.32
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.57
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.24
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.57
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.31
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.94
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.42
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

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• Export inspection council (EIC); AGMARK.

TEST REPORT

Test Report No. : ALPL/2103022/1-18 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist Nagpur 441 103.	**Sample Inward No.**	2022/EIA-41-S3	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	21.94
2	Bulk density	g/cm3	Lab-SOP	1.729
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	34.56
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	42.68
	Silt,	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	37.51
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	19.81
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	7.21 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	262.81
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	472.26
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	86.71
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	346.29
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	172.81
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	204.69
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	146.52

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S3	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	154.91
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.43
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	246.28
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	41.67
18	Sodium adsorption ratio	-	By Calculation	22.52
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.76
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.49
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	152.81
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	16.43
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	281.76
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13

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Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

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TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S3	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S3- Chakdoh

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.27
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	17.31
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.42
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.87
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.53
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	4.81
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.32
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

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Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

------End of Report-----

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TEST REPORT

Test Report No. : ALPL/2103022/1-19 dated 21/03/2022

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S4	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Mithun Kolhe		**Sampling Location** S4- Ringnabodi		

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
1	Infiltration rate	mm/hr	Lab-SOP	18.43
2	Bulk density	g/cm3	Lab-SOP	1.671
3	Water holding capacity	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.96
4	Particle size distribution			
	Sand	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	43.81
	Silt	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	24.76
	Clay	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	31.43
5	Texture	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Sandy Clay Loam
6	pH (1:2.5 Aq. Extract) at 25°C	-	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	6.81 at 25°C
7	Electrical Conductivity (1:2.5 Aq. Extract)	µs/cm	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	273.94
8	Water soluble Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	451
9	Water soluble Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	81.68
10	Water soluble Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	346.72
11	Water soluble Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	273.94
12	Water soluble Chloride (as Cl)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	162.53
13	Water soluble Sulphate (as SO_4)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	104.81

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Verified By

Shubhangi Armarkar
Technical Manager

Mangesh Fande
Technical Manager

Authorized Signatory

Dr. (Mrs.) S.D. Garway
Quality Manager

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- Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S4	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil
Sample Name Soil	**Sampling Date :** 08/03/2022 **Sampling Time :** 11.30 am to 4.20 pm		**Quantity Received** 2 Kg	
Sample Collected By Anacon Representative Mr. Mithun Kolhe			**Sampling Location** S4- Ringnabodi	

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
14	Exchangeable Sodium (as Na)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	153.94
15	Exchangeable Potassium (as K)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	112.86
16	Exchangeable Calcium (as Ca)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	216.52
17	Exchangeable Magnesium (as Mg)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	57.39
18	Sodium adsorption ratio	-	By Calculation	18.24
19	Total Organic matter	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.81
20	Total Organic Carbon	%	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.46
21	Available Nitrogen (as N)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	171.61
22	Available Phosphorous (as P)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	21.57
23	Available Potassium (as K)	Kg/hec	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	312.96
24	CEC	meq/100g	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	13

NOTES: ● Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'. ● 'mg/kg' is equivalent to 'ppm'

Verified By
Shubhangi Armarkar
Technical Manager

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

Thanks for your faith and trust in our services. We at Anacon Laboratories cherish our relationship.
We put in a lot of hard work to ensure that you have a seamless experience at every step of our relationship.
In order to ensure that your next experience will be significantly better, we welcome your feedback over email on feedback@anacon.in.

ANACONLABS
MARK OF PROGRESS FOR BETTER ENVIRONMENT & HEALTH
ANACON LABORATORIES PVT. LTD.
- ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified
- Recognized By Ministry of Environment & Forests (MoEF), New Delhi
- Approved by : Food Safety & Standards Authority of India under FSS Act;
- Bureau of Indian Standards (BIS); Agricultural & Processed Food Products Export Development Authority (APEDA);
- Export Inspection council (EIC); AGMARK.

TEST REPORT

Issued To : **M/s Keltech Energies Ltd,** Village-Garamsur, Teh-Katol, Dist - Nagpur-441 103.	**Sample Inward No.**	2022/EIA-41-S4	**Analysis Start**	12/03/2022
	Inward Date	11/03/2022	**Analysis End**	17/03/2022
	Reference	KEL.PO.2021.00520	**Report Issue date**	21/03/2022
	Reference Date	21-Oct-2020	**Sample Category**	Soil

Sample Name	**Sampling Date : 08/03/2022** **Sampling Time :** 11.30 am to 4.20 pm	**Quantity Received**
Soil		2 Kg

Sample Collected By	**Sampling Location**
Anacon Representative Mr. Mithun Kolhe	S4- Ringnabodi

TEST RESULTS

S.N.	Test Parameter	Measurement Unit	Test Method	Test Result
25	Total Arsenic (As)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
26	Available Boron (B)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.21
27	Total Cadmium (Cd)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
28	Total Chromium (Cr)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	12.84
29	Available Copper (Cu)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.21
30	Total Lead (Pb)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
31	Total Nickel (Ni)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent
32	Total Cobalt (Co)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	2.98
33	Available Iron (Fe)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	1.17
34	Available Manganese (Mn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	3.54
35	Available Zinc (Zn)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	0.31
36	Total Selenium (Se)	mg/Kg	Method Manual, Soil testing in India (Department of agriculture & corporation, Govt of India)	Absent

NOTES: ●Please see watermark "Original Test Report" to confirm the authenticity of this report. ● Results shall be referred to tested sample(s) and applicable to tested parameters only. ● Test report shall not be reproduced except in full without prior written approval of Anacon Labs. ● Liability of Anacon Labs is limited to invoiced amount only. ● Non-perishable and perishable sample(s) shall be disposed off after 30 days and 15 days respectively from the date of issue of Test Report, unless specified otherwise ● 'g/100 g' is equivalent to '%w/w'.● 'mg/kg' is equivalent to 'ppm'.

Remarks: As requested by the client, sample was tested for above parameters only.

Verified By
Shashikant Satdeve
Sr.Chemist

Authorized Signatory
Dr. (Mrs.) S.D. Garway
Quality Manager

-----End of Report-----

ANNEXURE III
ADVERTISMENT OF EC

Information regarding Environmental Clearance of M/s. Keltech Energies Limited

Environmental Clearance letter No. F. No.IA-J-11011/360/2018-IA II (I) dated 14th July, 2020.

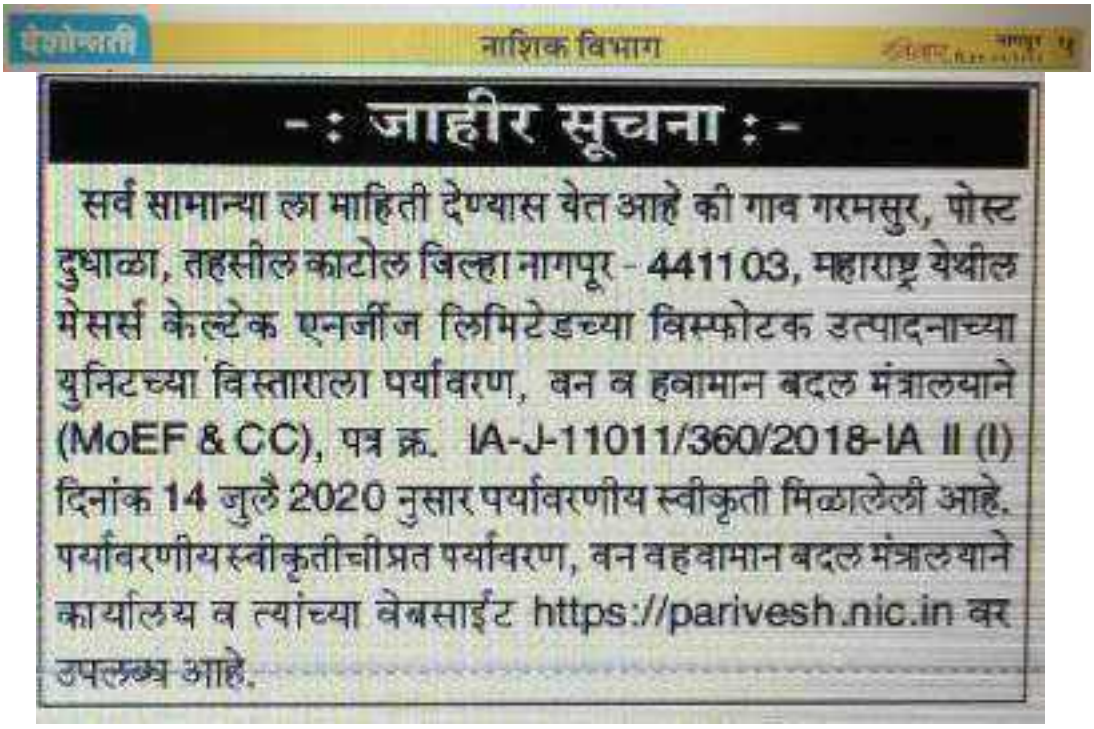
Please find attachment of Advertisement in two local newspapers

1. Hindi Dainik Nagpur Metro Samachar on dated 19th July 2020 and
2. Ravivariya Deshonnati, Nagpur on dated 19th July 2020

नागपुर मेट्रो समाचार | नागपुर जिला / विदर्भ | 3

जाहिर सूचना

सार्वजनिक रूप से यह सूचित किया जाता है कि,ग्राम गरमसुर, पोस्ट दुधाला,तहसील काटोल,जिला नागपुर - 441103, महाराष्ट्र में मेसर्स केल्टेक एनर्जीज लिमिटेड की विस्फोटक उत्पाद निर्माण इकाई के विस्तार हेतु, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय (MOEF&CC),के पत्र क्र IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलाई,2020 द्वारा, पर्यावरणीय स्वीकृति प्राप्त हुई है.पर्यावरणीय स्वीकृति की प्रतिलिपि पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय कार्यालय तथा उनकी वेबसाइट https://parivesh.nic.in पर भी उपलब्ध है.



रविवारी देशोन्नती | नाशिक विभाग

-: जाहीर सूचना :-

सर्व सामान्या ला माहिती देण्यास येत आहे की गाव गरमसुर, पोस्ट दुधाळा, तहसील काटोल जिल्हा नागपूर - 441103, महाराष्ट्र येथील मेसर्स केल्टेक एनर्जीज लिमिटेडच्या विस्फोटक उत्पादनाच्या युनिटच्या विस्ताराला पर्यावरण, वन व हवामान बदल मंत्रालयाने (MoEF & CC), पत्र क्र. IA-J-11011/360/2018-IA II (I) दिनांक 14 जुलै 2020 नुसार पर्यावरणीय स्वीकृती मिळालेली आहे. पर्यावरणीय स्वीकृतीची प्रत पर्यावरण, वन व हवामान बदल मंत्रालयाने कार्यालय व त्यांच्या वेबसाईट https://parivesh.nic.in वर उपलब्ध आहे.

ANNEXURE IV
WATER NOC

भारत सरकार
जल शक्ति मंत्रालय
जल संसाधन, नदी विकास
और गंगा संरक्षण विभाग
केन्द्रीय भूमि जल प्राधिकरण
Government of India
Ministry of Jal Shakti
Department of Water Resources,
River Development & Ganga Rejuvenation
Central Ground Water Authority

(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)

NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION

Project Name:	Keltech Energies Ltd.		
Project Address:	S. No. 149/1, 116, 146, 147, 148/1, 149/2,151/1, 165,, Vill Garamsur, Ta. Katol,, Dist. Nagpur Pin 441302		
Village:	Garamsur	Block:	Katol
District:	Nagpur	State:	Maharashtra
Pin Code:			
Communication Address:	S. No. 149/1, 116. 146, 147, 148/1, 149/2, 151/1, 165, Village Garamsur Tahasil Katol, District Nagpur, Katol, Nagpur, Maharashtra - 441302		
Address of CGWB Regional Office :	Central Ground Water Board Central Region, N.s. Building, Civil Lines, Nagpur, Maharashtra - 440001		

1.	**NOC No.:**	CGWA/NOC/IND/REN/1/2021/5845			
2.	Application No.:	21-4/815/MH/IND/2017	3.	Category: (GWRE 2017)	Semi Critical
4.	Project Status:	Existing With Additional Ground Water Requirment	5.	NOC Type:	Renewal
6.	**Valid from:**	23/10/2019	7.	**Valid up to:**	22/10/2022

8. Ground Water Abstraction Permitted:

Fresh Water		Saline Water		Dewatering		Total	
m³/day	m³/year	m³/day	m³/year	m³/day	m³/year	m³/day	m³/year
80.00	24000.00						

9. Details of ground water abstraction /Dewatering structures

	Total Existing No.:2						**Total Proposed No.:1**					
	DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu
Abstraction Structure*	0	0	2	0	0	0	0	0	1	0	0	0

*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps

10.	Ground Water Abstraction/Restoration Charges paid (Rs.):	72000.00

11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.	No. of Piezometers	Monitoring Mechanism		
			Manual	DWLR**	DWLR With Telemetry
	**DWLR - Digital Water Level Recorder	1	0	1	0

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

CENTRAL GROUND WATER AUTHORITY

Validity of this NOC shall be subject to compliance of the following conditions:

Mandatory conditions:

1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.

2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.

3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.

4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.

5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.

6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.

7) The firm shall report compliance of the NOC conditions online in the website (www.cgwa-noc.gov.in) within one year from the date of issue of this NOC.

8) Industries abstracting ground water in excess of 100 m 3 /d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.

9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.

10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

General conditions:

11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).

12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).

13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.

14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.

15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.

16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.

17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.

18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.

19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.

20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.

21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.

22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.

23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.

24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.

25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.

26) In case of new infrastructure projects having ground water abstraction of more than 20 m3/day, the firm/entity shall ensure implementation of dual water supply system in the projects.

27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.

28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.

29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.

(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)

CENTRAL GROUND WATER AUTHORITY

ANNEXURE V
CER ACTIVITY DETAILS

J.B.M ENTERPRISES

MOUZA- SELU, P.H.NO. 25, WARD NO.2,
H.O.NO. 267, BLOCK NO.2, TH. KALMESHWAR,
NAGPUR-441501
Phone : 07122549996 Fax : 0712-2549996 E-Mail : jbm_cnf@hotmail.com

GST INVOICE

DL.No. :20B-MH-NAG-336907,21B-MH-NAG-336908 GSTIN : 27ADHPD2481Q1Z5 FSSI NO:11520056000267

M/s KELTECH ENERGIES LTD
VILLAGE:GARAMSUR,P.O.DHUDHALA,TH.KATOL-441108
DIST-NAGPUR. State : 27

D.L.No.:
GSTIN : 27AAACK4702A1Z7

Invoice No.: **M/00141** **Date : 04/05/2021**
Order No. : Date : 04/05/2021
L.R. No. : Date : 04/05/2021
Cases : 0
Transport :
Due Date : 25/05/2021

S.	HSN	Product	Pack	Mfr.	Batch	Exp.	Qty.	Free	Disc.	M.R.P.	RATE	P.T.R	SGST	CGST	Amount
1	3808	INSTADIS BLUE	100ml	SPE	IDB038	5/23	1255	0	0.00	50.00	21.00	0.00	9.00	9.00	26355
2	3808	INSTADIS CHG	100ML	SPE	IDC020	8/23	245	0	0.00	50.00	21.00	0.00	9.00	9.00	5145.0

0296
07/05/2021
00374
07/05/2021

GST %	Txble.Amt	Tax Amt.	Txble Amt	Tax Amt
0.00%	0.00	0.00	0.00	0.00
5.00%	0.00	0.00	0.00	0.00
12.00%	0.00	0.00	0.00	0.00
18.00%	31500.00	2835.00	31500.00	2835.00
28.00%	0.00	0.00	0.00	0.00

SUB TOTAL	31500.00
DISCOUNT	0.00
ADD CGST	2835.00
ADD SGST	2835.00
CR/DR Adj.	0.00
GRAND TOTAL	**37170.00**

Rs. Thirty Seven Thousand One Hundred Seventy Only

I/We hereby certify that my/our registration certificate, under the INDIA GST Act ,2016 is in force on the date on which sale of goods specified in this Tax Invoice is made by me/us and that the transaction of sale covered by this bill/Invoice has been effected by me/us and it shall be accounted for in the turnover of sales while filing of return and the due tax, if any, payable on the sale has been paid or shall be paid.

Terms & Conditions

1).Intrest @ 2% P.M. will be charged from the date of invoice if Payment does not reach in time.
2).Our Responsibility cases as soon as the goods Leave our Premises.
3).Subject to NAGPUR Jurisdiction.
4).Payment will be made by only cheque/RTGS or DD. NO CASH transaction.
5).All Payment Should Be Made in favour of J.B.M ENTERPRISES.

For J.B.M ENTERPRISES

Authorised signatory

RECEIVED FOR 37170/-
PAYMENT FOR Rs.....

TAX INVOICE

M. I. Engineering Stores " Saify Mansion " , Beside Siddarth Hotel , 89 , C.A . Road , Nagpur GSTIN/UIN: 27ABDPI3636A1Z6 State Name : Maharashtra, Code : 27 E-Mail : mi_engg14@rediffmail.com	Invoice No. MI/21-22/41 | Dated 4-May-2021 Delivery Note | Mode/Terms of Payment Supplier's Ref. MI/21-22/41 | Other Reference(s) Buyer's Order No. | Dated Despatch Document No. | Delivery Note Date Despatched through | Destination Terms of Delivery
Buyer **KELTECH ENERGIES LIMITED** NAGPUR GSTIN/UIN : 27AAACK4702A1Z7 State Name : Maharashtra, Code : 27	

Sl No.	Description of Goods	HSN/SAC	Quantity	Rate	per	Disc. %	Amount
1	**Nose Mask** *Cotton* (C500096)	6307	1,300.00 Nos	11.00	Nos		14,300.00
	CGST ON SALES 2.5			*2.50*	%		357.50
	SGST ON SALES 2.5			*2.50*	%		357.50
	Total		1,300.00 Nos				₹ 15,015.00

0295
07/05/2021
00373
07/05/2021

Amount Chargeable (in words) *E. & O.E*

INR Fifteen Thousand Fifteen Only

HSN/SAC	Taxable Value	Central Tax		State Tax		Total Tax Amount
		Rate	Amount	Rate	Amount	
6307	14,300.00	2.50%	357.50	2.50%	357.50	715.00
Total	**14,300.00**		**357.50**		**357.50**	**715.00**

Tax Amount (in words) : **INR Seven Hundred Fifteen Only**

RECEIVED RS. 15015/-
PAYMENT FOR RS.

Declaration
We declare that this invoice shows the actual price of the goods described and that all particulars are true and correct.

for M. I. Engineering Stores

Authorised Signatory

This is a Computer Generated Invoice

'Confidential and for private circulation only'

Note on LITAA Incubation Center

August 30, 2021

1. **Objective**
   This document is meant for LITAA members about various aspects of proposed incubation center @LIT, Nagpur

2. **Vision**
   To create a vibrant and sustainable ecosystem on LIT campus and Central India for nurturing and enrichment of Creativity, Innovation and Entrepreneurship in thriving start-up ecosystem

3. **Mission**
   We are committed to nurture and support creativity, innovation and entrepreneurship amongst students, faculty members, alumni and other aspirants for establishment and growth of technology businesses to meet the social obligations and economic & financial growth of our communities

4. **What is proposed @ LIT Incubation center?**
   Proposed LIT incubation center will

   - Support Seed / idea and early stage companies promoted by LIT students, faculty and alumni to help start commercial operations.
   - Support Sponsored projects/ideas from industries belonging to LIT alumni and others
   - Help set up Centre of Excellence (CoE) – extended R&D of companies for close collaboration amongst students, faculty and industry
   - Conduct technology seminars, business plan conferences, trade events, knowledge sharing events, training etc.

5. **Focus areas of LIT Incubation Center**
   It is proposed to focus primarily on areas related to Chemical Engineering and Technology (Food, Oil, Petrochemicals, Surface Coating, Plastic & polymer and Paper & pulp) with special emphasize on –
   - Ecology friendly technologies e.g. renewable energy, pollution control (air, water & soil)
   - Waste to Wealth
   - Nano technology
   - Quantum computing
   - Instrumentation – break through applications

   The above is illustrative list and shall be modified depending upon market response.

6. **What infrastructure anticipated and needed for LIT Incubation Centre?**
   The facility should provide
   a) Basic Constructed space preferable admeasuring 5000 sq ft floor space.
   b) A creative office ambiance for the incubatee with supporting office infrastructure,
   c) Knowledge, Expertise support, Guidance from faculty members of the institute.
   d) Full-fledged equipped Laboratories and pilot plants (Two such are already in place donated by our alumni) to conduct experiments and pilot trial to create readiness for eventual commercial scaled-up.
   e) Business network & mentoring from global alumni and hand holding for initial commercial operation.

7. **Who are partnering with this LIT Incubation Centre?**
   It will be a joint effort of
   a) **The Institute** – Laxminarayan Institute of Technology - to provide 6 (a), 6 (c) part of 6 (d) above
   b) **An NGO –** LIT Alumni Association (LITAA) to provide - 6(b) part of 6(d) and 6(e) above and would be an Active partner who would actively help operations of the Incubation center.
   c) **Section 8 organization (Not for Profit section 8 Company) –** LITAA Technovation Foundation (LITF) This is to create eligibility for the incubation Centre to seek financial grants under Atal Innovation Mission (https://aim.gov.in/), Maharashtra State Innovation Society (https://www.msins.in/) and other Government Institutions/Agencies. The eligibility for application was for such combination of three partners with specifically allocated 5000 sq ft area for this exclusive activity.

8. **What would be the Governing body for this LIT incubation Centre?**
   It is proposed to have eleven members committee to closely govern the activities of LIT incubation Centre.
   The proposed members are:
   a) Director of the Institute- LIT – 1 member.
   b) One Faculty member each from Chemical Engineering and Chemical Technology – 2 Members
   c) All Office bearers of LITAA (viz. Chairman, Vice Chairman, Secretary, Joint Secretary & Treasurer) and two members nominated by Executive Committee of LITAA– 7 Members
   d) One Director LITF - Incubation Project Director – 1 Member

9. **Roles of LIT, LITAA and LITF**
   LIT, LITAA and LITF have signed comprehensive exclusive MoU about their roles and responsibilities.

10. **How will LIT Incubation Center operate?**
    - CEO/GM of Incubation center will work under overall guidance of Governing Body
    - The center will have experienced professionals managing the day-to- day operations
    - Projects/incubation ideas will be approved by the Governing body
    - The center will conduct Ideation Competition and Business plan competitions on theme based cohorts on regular basis to select incubatees
    - Renowned Jury members shall select the incubatees under transparent process
    - Only the short listed companies/projects will be incubated
    - Create panel of Subject Matter Experts from amongst LIT alumni & industry to help incubatees
    - Tie-up with other incubation centers in and around Nagpur to create & nurture start-up ecosystem
    - Help incubatee companies with panel of outsourced professionals in accounting, secretarial and legal including Patents, IPRs, Copyrights, Brands etc.
    - Detailed policies and Standard Operating Procedures are available for review

11. What is the project progress status ?

Followings are the achievements so far on this project.

a) Application to seek grant of Rs. 5 Crores from Maharashtra State Innovation Society was submitted during July 2019, however due to change of Government during November 2019, the activities and considerations for grants were held. (The same has been now under consideration from February 2021.) LITAA was estimated to contribute Rs. 2 Crore through alumni donation and therefore a Rs. 7 Crores project was estimated in this application to MSINS.

b) 25 potential donors, members of LITAA came forward to contribute over Rs. 2 Crores for the purpose of setting up incubation center was looking a reality soon.

c) As there was no response from MSINS, It was proposed to have a very humble start on this activity and with only donation from Alumni and take the application for grants at later date.(As these schemes have been reinstalled by the Governments earlier on many occasions.)

d) RTMNU was approached to allocate any constructed smaller area which can eventually be extended to 5000 sq ft. as and when needed.

e) RTMNU has allocated a constructed area for this activity (Earlier Badminton hall next to canteen) admeasuring approximately 2000 sq.ft carpet area. The hall has a height of almost 34 ft and by constructing a mezzanine floor without making any changes to existing structure, a floor area of 5000 sq. ft would be built in this premises.

f) Formed a Section 8 company under the name LITAA Technovation Foundation (LITF) having main objects as promotion of Science, Technology, Research, Entrepreneurship, Incubation center and Social objectives. All the office bearer and Incubation project head are the directors of this section 8, **Not-for-Profit Company.**

g) A detailed architectural master plan to build 5000 sq ft area has been worked out with cost estimates. Approximate amount of Rs. 3.50 Crores is estimated by the architect to create a state-of-an-art infrastructure of 5000 sqft area. This may be done in three or four phases and over next 24-36 months and depending on the funds collection from Alumni.

   As it seems the immediate requirement is estimated at Rs. 45-50 lacs only for infrastructure to initiate this activity in a very humble way. The yearly operating expenses would be Rs. 7-10 lakhs for the next two years and the center is expected to start generating revenue of it's own post this period with at least 5-6 success stories under the center during two years.

h) 3D model and walkthrough for the same has been prepared. The same gives the glimpses of the proposed facility to all stakeholder and also to seek donation from the esteemed members of our association.
   (https://www.youtube.com/watch?v=D4KI3pojxqM&t=22s)

i) Foundation laying and Bhomi Pujan ceremony was solemnized on August 22, 2021 gracious presence of Honorable Vice Chancellor of RTM Nagpur University, Dr. Subhash Chaudhary; Dr. Raju Mankar, Director, LIT; Ajay Deshpande, Chairman, LITAA; Madhav Labhe, Vice Chairman, LITAA; Arun Lanjewar, Secretary, LITAA; Vinod Kalkotwar, Project Director & LITAA South; and other LITAA EC member, Faculty members, Students etc.

12. Any incubation centre existing on these lines?

- ✓ Yes! College of Engineering, Guindy - Chennai (https://ceg.annauniv.edu/) has similar setup and operating at Chennai for about past 3 years. CEG is 225 year old engineering college with excellent track record and over 100,000 alumni spread across the globe.

13. Wall of Fame @LIT Incubation Center

It is proposed to create 'Wall of Fame' at the LIT Incubation center, where in each and every Donors' name will be prominently etched

The various categories of Donors proposed are

- Platinum – Donation of Rs. 25 lakhs and above
- Diamond – Donation of Rs. 10 lakhs but less than Rs. 25 lakhs
- Gold – Donation of Rs. 5 lakhs but less than Rs.10 lakhs
- Silver - Donation of Rs. 3 lakhs but less than Rs. 5 lakhs
- Bronze – Donation of Rs. 1 lakh but less than Rs. 3 lakhs

14. Appeal to Alumni

You are requested to donate generously to LITAA for creation of LITAA Incubation Center. Your donations are eligible for IT benefits under section 80G of IT Act. Even companies belonging to alumni can donate to LITAA under CSR/CER activities.

Remittance details are –

Account name – LIT Alumni Association
Account number – **50100173216416**
Bank – HDFC Bank Ltd.
Branch – South Ambazari Road, Laxminagar, Nagpur 440022
IFSC Code – **HDFC0003358**

Do mention 'Donation of LIT Incubation Center' in remittance instructions.

KELTECH ENERGIES LTD.

7th Flr, Embassy Icon, #3 Infantry Rd, Bengaluru Bengaluru

Bank Payment [BANKBNGGUR] Voucher

Voucher No. : BNG.BPV.2122.6567 Date: 24/12/21

Particulars			Debit Amount	Credit Amount
	LIT Incubation Center	*Dr*	1,200,000.00	
To	State Bank of India			1,200,000.00
	Cheque No: ONLINE Dated: 20/12/21			
	Cheque No: ONLINE Dated: 20/12/21			

Narration :

Being Amount Paid under CER towards Financial Support to LIT Incubation Centre
- through ONLINE
FVG: "LIT ALUMNI ASSOCIATION"
UTR No.: SBINR12021122057599067 Dtd.20/12/2021

Amount (in words):

Rs. TWELVE LAKH RUPEES AND ZERO PAISA ONLY

	1,200,000.00	**1,200,000.00**

Prepared by: **Checked by:** **Approved by:**

जिल्हा परिषद प्राथमिक शाळा

माहुरखोरा
पं.स. काटोल जि.प. नागपूर
UDISE No. : 27090207401

युवराज घोडे
मुख्याध्यापक
9822936813

पत्ता–मु. माहुरखोरा पो. दुधाळा, ता. काटोल, जि. नागपूर–४४११०३

दिनांक

पत्रक्रमांक.

जि. प. प्रा. शाळा आ.जा.क्र. १९४ दिनांक २५/१/२२ माहुरखोरा पं. स. काटोल

प्रति,

मा. व्यवस्थापकसाहेब
केलटेक एनर्जीक लिमिटेड, गरमसूर

विषय :- केलटेक कंपनीच्या वतीने डिजीटल साहित्य मिळण्याबाबत

जि. प. प्राथमिक शाळा, माहुरखोरा शाळेने मागणी केल्याप्रमाणे एनर्जीक लिमिटेड - गरमसूर कडून शाळेला आज दि. 24 जानेवारी 2022 ला डिजीटल साहित्य प्रदान करण्यात आले.

शाळेप्रति कंपनीची असलेली स्नेह भावना कायम ठेवून ती भविष्यात वृद्धींगत व्हावी ही अपेक्षा ठेवून शाळेच्या वतीने कंपनीचे मनपूर्वक धन्यवाद !

माहुरखोरा
दि. 24.01.2022

अध्यक्ष / सचिव
शाळा व्यवस्थापन समिती
जि. प. प्राथ. शाळा माहुरखोरा
पं. स. काटोल; जि. नागपूर

मुख्याध्यापक
जि.प. प्रथमिक शाळा माहुरखोरा
पं. स. काटोल जि. नागपूर

TAX INVOICE ORIGINAL FOR RECIPIENT

Nagpur's Best Industrial Solutions.

R V Multi Tech Engineers C/o SG SUPERBLEND[FORMALY KNOWN AS SG POLYMERS & PACKAGING]29/30, Mauli Nagar, Near Pooja kata, katol bypass road, wadi, Nagpur, Maharashtra GSTIN: 27CKMPB0109H1ZJ Mobile: 9028992246	Invoice No. RVMTE/2021-22/171	Invoice Date 19-02-2022	Due Date 26-02-2022
	P.O. No. GSMP02122.0764 DATE:- 10/02/2022		

BILL TO	SHIP TO
KELTECH ENERGIES LIMITED. Address: 149/1, 149/2, Post Dudhala, Garamsur.Tab: Katol, Nagpur- 441103 : Garamsur, Maharashtra GSTIN: 27AAACK4702A1Z7 Place of Supply: Maharashtra	KELTECH ENERGIES LIMITED. Address: 149/1, 149/2, Post Dudhala, Garamsur.Tab: Katol, Nagpur- 441103 : Garamsur, Maharashtra

S.No.	ITEMS	QTY.	RATE	TAX	AMOUNT
1	VACCINE CARRIER 1.6LTR	5.0 PCS	2000.0	1800.0 (18.0%)	11800.0
	TOTAL	5		₹ 1800.0	₹ 11800
	RECEIVED AMOUNT				₹ 0
	BALANCE AMOUNT				₹ 11800
	PREVIOUS BALANCE				₹ 133319.6
	CURRENT BALANCE				₹ 145119.6

under CER ordinary

GRN No/.. 2923
22/2/2022
4867
22/2/2022

CERTIFIED FOR 11800/-

HSN/SAC	Taxable Value	CGST		SGST		Cess	Total Tax Amount
		Rate	Amount	Rate	Amount		
-	10000.0	9.0%	900.0	9.0%	900.0	0.0	₹ 1800.0

Invoice Amount (in words) Eleven Thousand Eight Hundred Rupees

Bank Details

Name	R V MULTI TECH ENGINEERS
IFSC Code	KKBK0001833
Account No.	3014072566
Bank	Kotak Mahindra Bank ,DHARAMPETH BRANCH

Terms and Conditions

Authorised Signatory For
R V Multi Tech Engineers

25/2/2022.

To,

The Manager,
Keltech Energies Ltd
Baramsur

Sub :- About receiving of four Vaccine Carrier.

Respected Sir,

Four Vaccine Carriers given by Keltech Energies Ltd received by PHC Kondhali on 25/2/2022.

Thanking you,

Kondhali

वैद्यकीय अधिकारी
प्रा.आ.केंद्र, कोंढाळी
ता. काटोल, जि. नागपूर

कार्यालय

ग्राम पंचायत गरमसुर

पंचायत समिती काटोल, जिल्हा परिषद नागपूर

जा.क. .....

दिनांक 23/3/2022

प्रति,

मे. व्यवस्थापक

~~श्रेत्रमटेक~~ एनर्जी लिमिटेड

गरमसुर

विषय :- ग्रामपंचायत गरमसुर अंतर्गत ग्रा.पं. भवन कंपाऊंड भिंत बांधकाम काम पूर्ण झाल्याबाबत

महोदय,

उपरोक्त विषयाचे अनुसरुन आपणास कळविण्यात येते की ग्रामपंचायत गरमसुर अंतर्गत ग्रामपंचायत भवन कंपाऊंड भिंत बांधकाम काम ~~श्रेत्रमटेक~~ एनर्जी लिमिटेड गरमसुर मार्फत पूर्ण करण्यात आले आहे. करिता सदर दुरुस्ती देण्यात येत आहे.

करिता आपला माहितीकरिता सविनय सादर

सरपंच
ग्राम पंचायत गरमसुर
प.स.काटोल, जि.प.नागपूर

सचिव
ग्राम पंचायत गरमसुर
प.स.काटोल, जि.प.नागपूर

विश्वेश्वरय्या राष्ट्रीय प्रौद्योगिकी संस्थान,
नागपूर ४४००१० (भारत)
Visvesvaraya National Institute
of Technology, Nagpur - 440 010

Dr. Sachin Mandavgane
Associate Professor & Head
Department of Chemical Engineering

: 0712-2801563
: 98232 46329
: sam@che.vnit.ac.in, head@che.vnit.ac
: mandavgane@gmail.com
: vnit.ac.in/chemical/

CHE-583
31/05/2022
31.5.2022

Dr. Atul P Dwivedi
Manager- Technology and R&D
KELTECH ENERGIES LIMITED,
Garamsur, Nagpur

Subject: Thanks for the donation

Dear Dr Atul,

I am thankful to Keltech Energies Limited Management !

VNIT is in receipt of your donation of Rs 10 lakhs for the courses/activities related to sustainability, safety and environment.

This support by KELTECH will surely help VNIT in conducting more activities in the area of sustainability, carbon accounting, process safety and life cycle thinking.

I take this opportunity to invite KELTECH Management and you to the Chemical Engineering Department of VNIT Nagpur.

Regards

Sachin Mandavgane

Department of Chemical Engineering * V.N.I.T. NAGPUR