

**HALF-YEARLY PROGRESS REPORT OF COMPLIANCE
WITH ENVIRONMENTAL CLEARANCE CONDITIONS
(Half year ending 30 June 2026)**

Environmental Clearance Details: Proposal No: SIA/KL/MIS/42326/2018
File No: 1458/EC3/2019/ SEIAA
EC No: 65/2021 dated 18-10-2021
State Environment Impact Assessment Authority,
Thiruvananthapuram, Kerala

Project: Kerala Enviro Infrastructure Limited- Capacity Enhancement of Secured Landfill Facility at Existing Common Hazardous Waste Treatment, Storage and Disposal Facility (TSDF)

Proposed Activity Expansion of the existing hazardous waste landfill from 10 Lakh MT to 27.5 Lakh MT

Project Location Block No: 37, Survey No: 205
Vaduvucode Village, Kunnathunadu Taluk,
Ernakulam District, Kerala State

Project Proponent: Kerala Enviro Infrastructure Limited
Address: TSDF Project,
Inside FACT-CD Campus,
Ambalamedu (PO), Ernakulam District
Pin: 682 303

Specific Conditions

Sl.No.	Condition	Status
2(a) & 3(i)	Action for avoiding stockpiling of Hazardous Waste in temporary holding areas (covered with roof) during monsoon months.	Entire quantity of waste in the monsoon storage shed will be moved to landfill immediately after monsoon period.
2(b) & 3(ii)	Action for keeping landfill areas capped with final cover/intermediate cover/rain protection cover, and action for suspending landfill operations during monsoon period, to reduce infiltration of rain water into the landfill. This action is very important as water body is situated only 290 m away from the boundary of SLF.	Complied. Every year, temporary covering of the open cells of the landfill is carried out before the monsoon period (at the end of May) using a double-layer system of LDPE and Tarpaulin sheets to prevent rainwater infiltration into the landfill. Temporary covering will be removed after the monsoon and the waste stored in the Monsoon Storage Shed is shifted to the regular landfill .
2(c) & 3(iii)	Action for providing proper maintenance of the surface water drainage system comprising drains, channels, catch drains, culverts, and basins of the SLF and in the surrounding areas.	Complied. Maintenance of drains, channels, catch drains, culverts, and basins of the SLF and in the surrounding areas is carried out periodically.
2(d) & 3(iv)	Action for full covering/closure of waste collected and deposited at the Landfill, from various flood-	Complied.

	affected areas in the State, during the 2018 Floods, and this portion of the SLF should be properly compacted and protected from rains to avoid further leachate generation.	2018 Flood waste were disposed in 4 th cell and 5 th cell and the 4 th and 5 th cells were closed and capped.
2(e) & 3(v)	Action for harnessing solar energy to meet partial power requirement in the SLF and providing post-type solar yard lighting system within the SLF and adjoining areas.	Complied. 5 nos. of 50W-capacity solar lamps were provided for landfill lighting in October 2021. Installed a 150 KWp solar power plant in the capped portion of the landfill area. This was commissioned on 25.06.2026 and the plant is generating approximately 600 kWh/day of solar power on sunny day.
2(f) & 3(vi)	Action for planting of local species of trees (non-fruit-bearing type trees), in the Green Belt area, as well as in available open spaces, for maintaining a minimum Greenbelt width of 20 m all around, and ensuring proper landscape for the compound and office premises.	Complying. 1250 nos bamboo saplings were purchased and planted in the green belt area of KEIL on 5th June 2026. Minimum 20m width of greenbelt maintained all around the landfill.
2(g) & 3(vii)	Provide a suitable compensatory afforestation area, if additional area is available, including avenue plantations with local species of trees of non-fruit-bearing type trees, within the compound.	Do Saplings of local tree species are being planted in available areas within the compound.
2(h) & 3(viii)	Action for filling the gaps in the fencing/compound wall, provided all around the compound of the existing as well as proposed S L F , for the protection of the area.	Complied. Fencing/compound wall has been provided around the KEIL property, and gaps in the fencing have been filled. Regular repair work is being carried out on the fencing in the SLF area.
2(i) & 3(ix)	Action for collecting rainwater falling on active tipping areas separately and managing it as leachate, via the leachate collection drain and leachate collection sumps, and finally leading to the leachate treatment for treatment and disposal/ reuse.	Complied. Active tipping areas of the landfill were covered with a double-layer system comprising LDPE and Tarpaulin sheets from the end of May to the end of November each year to prevent rainwater ingress. Rainwater, if any, entering the landfill area is collected along with leachate and treated in the RO Plant & MEE Plant.
2(j) & 3(x)	Action for installing proper fire hydrants, in and around the SLF, as fires in hazardous waste landfill sites are not uncommon, and provide training / MOC drills, engaging the Plant	Complied. Provided fire hydrants in and around the SLF.

	Operators, for effectively addressing the problems associated with fire in consultation with Fire and safety Department.	In-house fire and safety training is regularly provided to operators and work assistants.
		Also, Fire & Safety training is given to employees of KEIL through the National Safety Council, Kerala Chapter, and Kerala State Productivity Council.
2(k) & 3(xi)	Action for periodic monitoring of groundwater quality by establishing Monitoring Wells, at the existing as well as in the proposed SLF, located at specified horizontal distance intervals, as well as in vertical positions, for touching four underground geographic zones of (a) on and within the landfill. (b) in the unsaturated subsurface zone (vadose zone) beneath and around the landfill; (c) in the groundwater (saturated) zone beneath and around the landfill, and (d) in the atmosphere / local area air above and around the landfill, as stipulated in the Guidelines on Hazardous Waste Management issued by CPCB and KSPCB.	Complied. There are four monitoring wells: one on the upper side and three on the lower side of the landfill, used to monitor groundwater quality. The hydrogeological study of KEIL was conducted by NEERI in 2025-26. Report awaited.
Page-6/5	The Environmental Clearance will also be subject to full and effective implementation of all the undertakings given in the Application Form, all the environmental impact mitigation and management measures undertaken by the project proponent in the documents submitted to SEIAA, and the mitigation measures and waste management proposal as assured in the Form -1 and Form-1A, Environment Management Plan as submitted, The assurances and clarifications given by the proponent in the application and related documents will be incorporated therein.	Complied
Page-6/6	Validity of the Environmental Clearance will be for five years from the date of issuance of EC, subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of EC in case of violation or non-compliance of any of the conditions stipulated herein or genuine complaints from residents within the scrutiny area of the project.	Noted
Page-6/7	Compliance of the conditions herein will be monitored by the State Environment Impact Assessment Authority or its agencies and also by the Regional Office of the Ministry of Environment and Forests, Govt. of India, Bangalore. Necessary assistance for entry and inspection by the concerned officials and staff should be provided by the project proponents.	Noted

Page-6/8	Instances of violation if any shall be reported to the District Collector, Ernakulam to take legal action under the Environment (Protection) Act 1986.	Noted
Page-6/9	The Half Yearly Compliance Report (HYCRs) with its contents of a covering letter, compliance report and environmental monitoring data has to be in PDF format merged into a single document. The email should clearly mention the Name of the Project, EC No and Date, period of submission and to be sent to the Regional Office of MoEFF & CC and SEIAA by email only at email ID, rosz.bng-mefcc@gov.in and seacseiaakerala@gmail.com ; Hardcopy of HYCRs shall not be acceptable.	Noted

GENERAL CONDITIONS

I.	Statutory Compliance	Action by KEIL
	Consent to Establish and Consent to Operate from Kerala State Pollution Control Board under Water and Air Act(s) and other relevant acts/rules should be obtained before initiating activity. All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities. Copies of statutory clearance obtained shall be enclosed along with the first half-yearly compliance report.	Complied. KSPCB issued consent variation order on 23-06-2022 enhancing capacity of landfill from 10 Lakh MT to 27.50 lakh MT. The consent to operate is renewed periodically. Clearances from all other statutory authorities are continuing.
	The project proponents shall adhere to all conditions as prescribed in the Protocol for 'Performance Evaluation and Monitoring of the Common Hazardous Waste Treatment, Storage and Disposal Facilities' published by the CPCB in May, 2010.	Complied.
	A Certificate of adequacy of available power from the Agency supplying power to the project, along with the load allowed for the project, should be obtained.	Complied. Power allocation is adequate.
	Permission to draw groundwater/surface water shall be obtained from the competent Authority prior to the construction/ operation of the project.	No groundwater is extracted. The water requirement of KEIL is met by FACT Cochin Division, Ambalamedu, Kochi.
II	Air Quality Monitoring and Preservation	
II (i)	i. The project proponent shall install system to carryout Ambient Air Quality Monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to Particulate Matter emission, and	Complied. 4 nos Ambient air quality monitoring stations were installed in appropriate locations for monitoring PM₁₀ and PM_{2.5} in reference to Particulate

	SO ₂ and NO _x in reference to SO ₂ and NO _x emissions) within and outside the Plant area at least at four locations (one within and three outside the Plant area at an angle of 120° each), covering upwind and downwind directions.	Matter emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emissions
II (ii)	ii. The project proponent shall submit a monthly summary report of air quality monitoring to the Regional Office of MoEF & CC, SEIAA & Regional Office of KSPCB along with a six-monthly compliance report. Gas generated in the landfill should also be reported.	Complying. Ambient air quality, Vent Gas generated in the landfill is monitored regularly, and reports are submitted to KSPCB, CPCB, etc. Reports on Ambient air quality, Vent Gas generated in the landfill are enclosed.
II (iii)	iii. The air pollutant levels, namely, SPM, RSPM, SO ₂ , NO _x , or critical sectorial parameters, indicated for the project shall be displayed at a convenient location near the main gate of the company and in the public domain.	Complied. Display board placed at the entrance of KEIL.
III	Water Quality Monitoring and Preservation	
III (i)	The project proponent shall submit a monthly summary report on the results of effluent analysis and groundwater quality monitoring to the Regional Office of MoEF & CC, SEIAA & KSPCB, along with a six-monthly compliance report.	Complied. The monthly summary report on the results of effluent analysis and groundwater quality monitoring is enclosed.
III (ii)	No discharge of leachates /waste water in nearby river(s)/pond(s).	Complied. There is no discharge of leachate/wastewater outside the premises. Leachate generated is collected regularly from each Cell and treated in the PTP-RO Plant & MEE Plant. Treated water is used for irrigation, gardening, plant washing, etc.
III (iii)	The depth of the landfill site shall be decided based on the groundwater table at the site.	Complied.
III (iv)	The company shall ensure proper handling of all spillages by introducing spill control procedures for various chemicals/solvents.	Complied.
III (v)	All leachates arising from premises should be collected and treated in the ETP, and discharged/recycled as per CPCB standards. The toxicity Characteristic Leaching Procedure (TCLP) test is to be performed on leachates.	Complied. Leachate generated is collected regularly from each cell and treated in the PTP-RO Plant & MEE Plant.
III (vi)	The Company shall review the unit operations provided for the treatment of effluents. The scheme for treatment of effluents shall be as permitted by the Pollution Control Board under the provisions of Consent to Establish.	Complied. Details submitted to Kerala State Pollution Control Board and included in Consent to Operate.

III (vii)	Scrubber water, leachate water, or wheel wash effluent shall be treated in the advanced Effluent Treatment Plant to achieve Zero Liquid Discharge.	Complied.
III (viii)	Total fresh water use shall not exceed the proposed requirement as provided in the project details.	Complied. Total Water consumption is less than the quantity given in the project details.
III (ix)	The groundwater level and its quality should be monitored regularly in consultation with the State Groundwater Department/Central Ground Water Authority.	Complied. There are four groundwater monitoring wells, one on the upper side and three on the lower side of the landfill for monitoring the groundwater quality. The hydrogeological study of KEIL was conducted by NEERI in 2025-26. Report awaited.
III (x)	Stormwater control and its reuse measures, as per CGWB and CPCB standards, shall be followed for various applications.	Complying.
IV	Noise Monitoring and Prevention	
IV (i)	Noise level survey shall be carried as per the prescribed guideline and report in this regard shall be submitted to Regional Office of the Ministry and SEIAA as a part of six-monthly compliance report.	Complied. Noise level survey is carried out regularly and report is enclosed.
IV (ii)	The ambient noise levels should confirm to the Standards prescribed under Noise Pollution Rules as prescribed by CPCB. Adequate measure should be taken to reduce ambient air & noise pollution.	Complied. The ambient noise levels are within the stipulated limit.
IV (iii)	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.	Complied. DG sets are provided with acoustic enclosures. Employees are advised to use earplugs/earmuffs in these areas. Sound level is monitored regularly by Safety Officer.
V	Energy Conservation Measures	
V (i)	Low-sulfur diesel shall be used as fuel in DG sets. The location of the DG sets may be decided in consultation with the Kerala State Pollution Control Board. DG sets should not be housed in sub-basement levels.	Complied. Commercial diesel is used as fuel in DG sets. Location of DG set is approved by the Factories & Boilers Department & Pollution Control Board. DG set is installed above ground, under roof.

V (ii)	Energy conservation measures like installation of LED /CFLs/TFLs for lighting the areas outside the building should be an integral part of the project design and should be in place before project commissioning. Used LED /CFLs and TFLs should be properly collected and disposed of/sent for recycling as per the prevailing guidelines/rules of the Regulatory Authority to avoid mercury contamination. Solar energy may be used to the extent possible.	Complying. LED lights & bulbs are used in KEIL. KEIL has a facility for scientific disposing tube lights and CFLs.
V (iii)	The project shall incorporate devices for solar energy generation and utilization to the maximum possible extent, with the possibility of contributing the same to the power grid and consumption in the future.	Complying. 5 nos, 50W solar street lights were installed in the landfill area. Installed a 150 KWp solar power plant in the capped portion of the landfill area
VI	Waste management	
VI (i)	The TSDF should only handle the waste generated from the member units.	Complied. Only waste from member industries is collected and disposed.
VI (ii)	Periodical soil monitoring to check the contamination in and around the site shall be carried out.	Soil is analysed once in six months and copy of the monitoring report is enclosed.
VI (iii)	No non-hazardous wastes, other than the wastes as defined under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, shall be handled in the premises.	Complying.
VI (iv)	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Complying.
VI (v)	The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Complying.
VI (vi)	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.	Complying.
VII	Human health issues	
VII (i)	Traffic congestion near the entry and exit points from the roads adjoining the project site shall be avoided. Parking should be fully internalized and no public space should be utilized for parking.	Complying.
VII (ii)	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied. Hazard Identification and Risk Assessment (HIRA) to be carried out. Emergency Preparedness Plan / Disaster Management Plan approved by the Directorate of Factories & Boilers is available.

VII (iii)	Occupational health surveillance of the workers shall be done on a regular basis.	Complying. Complete medical checkup of employees is carried out every year. Service of part time doctor is available.
VII (iv)	A First Aid Room shall be provided at the project site.	Facility for first aid is made available at suitable location inside the unit.
VII (v)	All required sanitary and hygienic measures should be in place before starting the activities.	Complied.
VII (vi)	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Safe disposal of wastewater and solid wastes generated, including piling debris during the construction phase, should be ensured.	Complied.
VIII	Corporate Environment Responsibility	
VIII (i)	The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017 -IA. III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Complied.
VIII (ii)	The conditions specified in the EIA Notifications 2006 and subsequent amendments, and the specific directions given by SEIAA/SEAC should be followed under Corporate Environment Responsibility. The activities carried out under CER should be listed with details in the Half-Yearly Compliance Report, along with the status of implementation, certificates from the beneficiaries, and photographs.	Complying.
VIII (iii)	The proponent shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/forest /wildlife norms/ conditions. The company shall have defined system infringements/ deviation /violation of the environmental/ forest / wildlife norms / conditions and/or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC and SEIAA as a part of six- monthly report.	Complying. Environmental Policy (HSE) approved by the Board of Directors. Will be followed. Will be followed
VIII (iv)	A separate Environmental Monitoring Committee both at the project and company Head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will	Complying. Environmental Monitoring Committee (EMC) exists at facility level & company Head quarter level.

	directly report to the Head of the Organization Environmental Monitoring Committee with defined functions and responsibility should foresee post operational environmental problems (eg. increase in traffic congestion, power failure, increase in noise level, natural calamities, and pollution related matter etc.) and action taken to solve these immediately with mitigation measures.	EMC formed at unit level and functioning. Post operational environmental problems (eg. increase in traffic congestion, power failure, increase in noise level, natural calamities, and pollution related matter etc.) are discussed in the EMC.
VIII (v)	The proponent shall submit Half Yearly Compliance Reports on the status of compliance of the stipulated EC conditions, including results of monitored data (by e-mail), and upload the same on the Company website and shall update the same periodically. The compliance report shall be simultaneously sent to the Regional Office of Ministry of Environment, Forests and Climate Change of India at Bengaluru and also to SEIAA.	Complying. Status of compliance of the stipulated EC conditions including results of monitored data is enclosed with the Half Yearly Compliance Report.
VIII (vi)	Self- environmental audit shall be conducted annually. Every year third party environmental audit shall be carried out.	Complying. National Productivity Council (NPC) has conducted the environmental audit of KEIL in 2023-24.
IX	Other Conditions	
IX (1)	The proponent should provide notarized affidavit indicating the number and date of Environmental Clearance proceedings that all the conditions stipulated in the EC shall be scrupulously followed.	Complied. Notarised affidavit was prepared and submitted to SEIAA on 26/11/2021.
IX (2)	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language, informing that the project has been accorded Environmental Clearance and copies of clearance letters are available on the website of SEIAA www.seiaakerala.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same signed in all pages should be forwarded to the office of this Authority as confirmation.	Complied. Published in Malayalam in all Kerala editions of The Deshabhimani daily and in English in all Kerala editions of The New Indian Express Daily on 04/11/2021. Copy of the EC duly signed on all pages and submitted to SEIAA on 26-11-2021.
IX (3)	The proponent shall send a copy of the Clearance letter to the concerned Grama Panchayath/District Panchayath/ Municipality/ Corporation/ Urban Local Body and also to the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The Environmental Clearance shall also be uploaded on the website of the company.	Complied. Copies of EC were submitted to Vadavucode Puthencruz Panchayath, the Regional office & district office of KSPCB with a request to display the EC on their notice board. EC uploaded in KEIL website.
IX (4)	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x	Complied

	3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.	
IX (5)	The project proponent shall submit the Environmental Statement for each financial year in Form- V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, and put on the website of the company.	Complied.
IX (6)	The stipulations/conditions issued by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, Solid Waste Management Rules, 2016, Plastic Waste (Management and Handling) Rules, 2016, Construction and Demolition Waste Management Rules, 2016, The Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	Complied.
IX (7)	Safety measures should be implemented as per the Fire and Safety Regulations/SDMA guidelines.	Complied.
IX (8)	The project proponent is responsible for implementing all the provisions of labour laws applicable from time to time. Provision should be made for providing cooking facilities and supply of kerosene or cooking gas to the labourers.	Complied. Breakfast & tea, lunch/dinner, afternoon tea & snacks, and evening/early morning tea & snacks are provided to employees on duty.
IX (9)	The proponent shall co-operate with and provide facilities and documents/data to the Agencies including the Officials from the Regional of Ministry of Environment, Forests and Climate Change, Bengaluru and SEIAA during their inspection as part of monitoring the implementation of environmental safeguards.	Complying
IX (10)	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Authority.	Noted.
IX (11)	In case of transfer of EC, the matter shall be intimated and approval from the Authority shall be obtained as per the existing norms.	Noted.
IX (12)	The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the Environment Clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted
IX (13)	Unless provided otherwise, all the top-soil excavated during construction phase should be stored and re-used for backfilling/ horticulture/ landscaping purposes within the project site.	Being complied.

IX (14)	Concealing factual data or submission of false/ fabricated data may result in revocation of this Environmental Clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	Noted
IX (15)	The SEIAA may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Noted
IX (16)	Any appeal against this EC shall lie with the National Green preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted

Submitted by:



Dr.N.K.Pillai
Chief Executive Officer
Kerala Enviro Infrastructure Limited

**KERALA ENVIRO INFRASTRUCTURE LIMITED - LABORATORY**

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'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

Appendix-III

Date: 30.03.2026

AMBIENT AIR MONITORING REPORT FOR THE QUARTER JANUARY - MARCH 2026

Location	Parameters	KSPCB Limits	Unit	Date of monitoring			Maximum	Minimum	Average
				13.01.2026	23.02.2026	23.03.2026			
Station I (Near Administrative building)	PM2.5	60µg/m³	µg/m³	25.36	31.16	20.29	31.16	20.29	25.60
	PM10	100µg/m³	µg/m³	89.95	75.29	62.89	89.95	62.89	76.04
	SO ₂	80µg/m³	µg/m³	2.02	4.87	2.22	4.87	2.02	3.04
	NO _x	80µg/m³	µg/m³	7.37	16.51	5.33	16.51	5.33	9.74
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.030	0.046	0.020	0.05	0.02	0.03
	Ozone	100µg/m³	µg/m³	1.020	0.454	0.210	1.02	0.21	0.56
Station II (Near M&E Plant)	PM2.5	60µg/m³	µg/m³	26.32	29.30	19.08	29.30	19.08	24.90
	PM10	100µg/m³	µg/m³	68.14	74.65	67.28	74.65	67.28	70.02
	SO ₂	80µg/m³	µg/m³	3.13	6.12	2.15	6.12	2.15	3.80
	NO _x	80µg/m³	µg/m³	4.07	8.13	1.47	8.13	1.47	4.56
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.020	0.045	0.051	0.05	0.02	0.04
	Ozone	100µg/m³	µg/m³	0.79	1.249	0.908	1.25	0.79	0.98
Station III (Near 8th cell)	PM2.5	60µg/m³	µg/m³	41.91	15.46	13.65	41.91	13.65	23.67
	PM10	100µg/m³	µg/m³	78.86	81.71	71.50	81.71	71.50	77.36
	SO ₂	80µg/m³	µg/m³	2.45	3.08	4.56	4.56	2.45	3.36
	NO _x	80µg/m³	µg/m³	2.79	16.51	2.07	16.51	2.07	7.12
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.01	0.035	0.051	0.05	0.01	0.03
	Ozone	100µg/m³	µg/m³	0.45	0.454	0.227	0.45	0.23	0.38
Station IV (Near Biomedical plant)	PM2.5	60µg/m³	µg/m³	30.58	31.81	40.99	40.99	30.58	34.46
	PM10	100µg/m³	µg/m³	62.34	58.33	84.87	84.87	58.33	68.51
	SO ₂	80µg/m³	µg/m³	2.09	5.49	3.66	5.49	2.09	3.75
	NO _x	80µg/m³	µg/m³	5.08	14.99	5.08	14.99	5.08	8.38
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.02	0.051	0.012	0.05	0.01	0.03
	Ozone	100µg/m³	µg/m³	0.34	0.227	0.340	0.34	0.23	0.30

End of Report

KEIL-QA-TR

Issue No. 01, Issue Date: 04.03.2026, Amendment No. 00, Amendment Date: Nil

Remarks :

For Kerala Enviro Infrastructure Ltd.



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'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

Appendix-III

Date: 30.06.2026

AMBIENT AIR MONITORING REPORT FOR THE QUARTER APRIL - JUNE 2026

Location	Parameters	KSPCB Limits	Unit	Date of monitoring			Maximum	Minimum	Average
				27.04.2026	18.05.2026	15.06.2026			
Station I (Near Administrative building)	PM2.5	60µg/m³	µg/m³	7.32	26.19	33.27	33.27	7.32	22.26
	PM10	100µg/m³	µg/m³	55.35	54.75	40.34	55.35	40.34	50.15
	SO₂	80µg/m³	µg/m³	3.76	6.25	4.80	6.25	3.76	4.94
	NOₓ	80µg/m³	µg/m³	7.51	17.02	12.7	17.02	7.51	12.41
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.023	0.056	0.041	0.06	0.02	0.04
Station II (Near MEE Plant)	Ozone	100µg/m³	µg/m³	0.982	1.140	0.568	1.14	0.57	0.90
	PM2.5	60µg/m³	µg/m³	27.62	17.93	18.21	27.62	17.93	21.25
	PM10	100µg/m³	µg/m³	95.43	34.55	53.70	95.43	34.55	61.23
	SO₂	80µg/m³	µg/m³	2.52	5.99	4.62	5.99	2.52	4.38
	NOₓ	80µg/m³	µg/m³	5.42	7.62	8.13	8.13	5.42	7.06
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Station III (Near 8th cell)	Ammonia	400µg/m³	µg/m³	0.020	0.047	0.039	0.05	0.02	0.04
	Ozone	100µg/m³	µg/m³	1.041	0.790	0.454	1.04	0.45	0.76
	PM2.5	60µg/m³	µg/m³	28.44	37.70	14.69	37.70	14.69	26.94
	PM10	100µg/m³	µg/m³	56.13	51.16	28.24	56.13	28.24	45.18
	SO₂	80µg/m³	µg/m³	2.77	6.57	4.65	6.57	2.77	4.66
	NOₓ	80µg/m³	µg/m³	7.60	17.28	12.2	17.28	7.60	12.36
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Station IV (Near Biomedical plant)	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.032	0.014	0.037	0.04	0.01	0.03
	Ozone	100µg/m³	µg/m³	0.764	0.680	0.681	0.76	0.68	0.71
	PM2.5	60µg/m³	µg/m³	14.36	23.09	14.86	23.09	14.36	17.44
	PM10	100µg/m³	µg/m³	43.46	57.23	21.40	57.23	21.40	40.70
	SO₂	80µg/m³	µg/m³	2.21	3.69	4.56	4.56	2.21	3.49
	NOₓ	80µg/m³	µg/m³	6.22	15.49	11.43	15.49	6.22	11.05
	Lead	1.0µg/m³	µg/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Station IV (Near Biomedical plant)	Nickel	20ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Arsenic	6ng/m³	ng/m³	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammonia	400µg/m³	µg/m³	0.041	0.020	0.039	0.04	0.02	0.03
	Ozone	100µg/m³	µg/m³	0.681	0.790	0.454	0.79	0.45	0.64

End of Report

KEIL/QA/TR

Issue No: 91, Issue Date: 04.03.2020, Amendment No.:00, Amendment Date: Nil

Remarks :

For Kerala Enviro Infrastructure Ltd.

Authorized Signatory

Page 1 of 1

Dr. Vinu. V. Dev
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KERALA ENVIRO INFRASTRUCTURE LIMITED - LABORATORY

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'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

GROUND WATER ANALYSIS REPORT FOR THE QUARTER JANUARY - MARCH 2026

Appendix IV

Date : 23.03.2026

Client Name & Address:		Discipline :	Chemical Testing
KERALA ENVIRO INFRASTRUCTURE LIMITED		Group :	Water (Surface Water, Ground Water and Industrial Water)
Inside FACT-CD Campus, Ambalamedu P.O., Ernakulam-682 303			

Location / Description	Parameters	Sampling Date			Maximum	Minimum	Average
		01.01.2026	02.02.2026	02.03.2026			
Lower Bore well 9M	pH	5.55	5.19	5.36	5.55	5.19	5.37
	Conductivity	1320	720	570	1320.00	570.00	870.00
	Total Dissolved Solids	821	460	355	821.00	355.00	538.67
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl ⁻	204.26	196.22	116.56	204.26	116.56	172.35
	Total Hardness as CaCO ₃	138.55	86.95	69.72	138.55	69.72	98.41
	Sulfates as SO ₄	130	88	42.5	130.00	42.50	86.83
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	6.34	7.16	6.37	7.16	6.34	6.62
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	28.17	18.22	13.57	28.17	13.57	19.99
	Magnesium	16.59	10.08	8.71	16.59	8.71	11.79
Lower Bore well 12M	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	pH	5.48	5.46	5.29	5.48	5.29	5.41
	Conductivity	980	610	820	980	610	803.33
	Total Dissolved Solids	626	390	490	626	390	502.00
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl ⁻	209.01	105.29	145.7	209.01	105.29	153.33
	Total Hardness as CaCO ₃	144.58	65.12	175.5	175.30	65.12	128.55
	Sulfates as SO ₄	100	35	104	104.00	35.00	79.00
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	5.34	6.36	BLQ	6.36	BLQ	BLQ
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	21.73	9.5	27.94	27.94	9.50	19.72
	Magnesium	21.96	10.06	25.66	25.66	10.06	19.23
	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Sample is drawn by KEIL-Laboratory.
As per IS : 17614 (Part 1) : 2025
BLQ-Below Limit Of Quantitation
mg/L = ppm

Test results relates only to the sample tested.
This certificate shall not be reproduced except in full without the written approval of the laboratory.

FOR AND ON BEHALF OF
KERALA ENVIRO INFRASTRUCTURE LIMITED-
LABORATORY

AUTHORISED SIGNATORY



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'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

GROUND WATER ANALYSIS REPORT FOR THE QUARTER JANUARY - MARCH 2026

Appendix IV

Date : 23.03.2026

Client Name & Address:	
KERALA ENVIRO INFRASTRUCTURE LIMITED Inside FACT-CD Campus, Ambalamedu P.O., Ernakulam-682 303	Discipline : Chemical Testing Group : Water (Surface Water, Ground Water and Industrial Water)

Location / Description	Parameters	Sampling Date			Maximum	Minimum	Average
		01.01.2026	02.02.2026	02.03.2026			
Lower Bore well 30M	pH	6.19	6.2	6.14	6.2	6.14	6.18
	Conductivity	190	64	116	190	64	123.33
	Total Dissolved Solids	128	40	70	128	40	79.33
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl ⁻	19	10.03	10.68	19	10.03	13.24
	Total Hardness as CaCO ₃	46.18	19.76	13.94	46.18	13.94	27.29
	Sulfates as SO ₄	BLQ	BLQ	7.8	7.8	7.8	7.80
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	12.88	3.96	3.99	12.88	3.96	6.94
	Magnesium	3.41	2.4	1.45	3.41	1.45	2.42
Upper Bore Well 80 M	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	pH	5.44	5.23	5.29	5.44	5.23	5.32
	Conductivity	120	210	210	210	120	180.00
	Total Dissolved Solids	74	100	125	125	74	99.67
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl ⁻	20.43	33.98	24.28	33.98	20.43	26.23
	Total Hardness as CaCO ₃	28.11	29.64	25.9	29.64	25.90	27.88
	Sulfates as SO ₄	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	8.05	7.92	7.19	8.05	7.19	7.72
	Magnesium	1.95	2.4	1.94	2.40	1.94	2.10
	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

End of the Report

Sample is drawn by KEIL-Laboratory

As per IS 17614 (Part 1) : 2025

BLQ-Below Limit Of Quantization

ppm = mg/L

Test results relates only to the sample tested.
This certificate shall not be reproduced except in full, without the written approval of the laboratory.

FOR AND ON BEHALF OF
KERALA ENVIRO INFRASTRUCTURE LIMITED-
LABORATORY

**KERALA ENVIRO INFRASTRUCTURE LIMITED - LABORATORY**

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CIN: U24129KL2005PLC017973

'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD**GROUND WATER ANALYSIS REPORT FOR THE QUARTER JANUARY - MARCH 2026****Appendix IV
Date: 23.03.2026**

Location / Description	Parameters	Sampling Date			Maximum	Minimum	Average
		01.01.2026	02.02.2026	02.03.2026			
Lower Bore Well 9M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Lower Bore Well 12M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Lower Bore Well 30M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Upper Bore Well 80M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

End of the Report

Remarks :


Authorized SignatoryDr. Vinu. V. Dev
Manager (Quality Assurance)
Kerala Enviro Infrastructure Ltd.
Ambalamedu - 682 303

KEIL/QA/R/035

Issue No.: 01, Issue Date: 01.03.2020, Amendment No.: 00, Amendment Date.: Nil



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'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

GROUND WATER ANALYSIS REPORT FOR THE QUARTER APRIL - JUNE 2026

Appendix IV

Date : 23.06.2026

Client Name & Address:	
KERALA ENVIRO INFRASTRUCTURE LIMITED	Discipline : Chemical Testing
Inside FACT-CD Campus, Ambalamedu P.O., Ernakulam-682 303	Group : Water (Surface Water, Ground Water and Industrial Water)

Location / Description	Parameters	Sampling Date			Maximum	Minimum	Average
		01.04.2026	02.05.2026	02.06.2026			
Lower Bore well 9M	pH	5.56	5.7	5.84	5.84	5.56	5.70
	Conductivity	1280	980	620	1280.00	620.00	960.00
	Total Dissolved Solids	750	578	366	750.00	366.00	564.67
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl ⁻	303.74	146.76	37.18	303.74	37.18	162.56
	Total Hardness as CaCO ₃	139.44	112.10	140	140.00	112.10	130.51
	Sulfates as SO ₄	142	77	27	142.00	27.00	82.07
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	6.46	6.34	6.59	6.59	6.34	6.46
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	39.92	22.27	4.80	39.92	4.80	22.33
	Magnesium	9.68	13.74	31.10	31.10	9.68	18.17
	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Lower Bore well 12M	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	pH	6.27	5.59	5.60	6.27	5.59	5.82
	Conductivity	550	670	520	670	520	580.00
	Total Dissolved Solids	315	398	306	398	306	339.67
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl ⁻	77.14	105.18	24.46	105.18	24.46	68.93
	Total Hardness as CaCO ₃	39.84	62.5	38	62.50	38.00	46.78
	Sulfates as SO ₄	30	55	39.5	55.00	39.50	48.17
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	BLQ	7.13	5.77	7.13	BLQ	BLQ
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	11.18	10.34	4.01	11.18	4.01	8.51
	Magnesium	2.9	8.92	6.80	8.92	2.90	6.21
	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

Sample is drawn by KEIL-Laboratory
As per IS 17014 (Part 1): 2025
BLQ-Below limit Of Quantitation
mg/L = ppm

Test results relates only to the sample tested.
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FOR AND ON BEHALF OF
KERALA ENVIRO INFRASTRUCTURE LIMITED-
LABORATORY

Dr. Vihnu V. Dev

Manager (Quality Assurance)
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KEIL/QAR/035

Issue No: 02, Issue Date: 23.06.2023, Amendment No: 01, Amendment Date: 23.06.2023
Page 1 of 2



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GROUND WATER ANALYSIS REPORT FOR THE QUARTER APRIL - JUNE 2026

Appendix IV
Date : 23.06.2026

Client Name & Address:	
KERALA ENVIRO INFRASTRUCTURE LIMITED Inside FACT-CD Campus, Ambalamedu P.O., Ernakulam-682 303	Discipline : Chemical Testing Group : Water (Surface Water, Ground Water and Industrial Water)

Location / Description	Parameters	Sampling Date			Maximum	Minimum	Average
		01.04.2026	02.05.2026	02.06.2026			
Lower Bore well 30M	pH	6.55	6.02	6.66	6.66	6.02	6.41
	Conductivity	126	120	116	126	116	120.67
	Total Dissolved Solids	75	70	68	75	68	71.00
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl-	16.87	24.95	7.10	24.95	7.1	16.31
	Total Hardness as CaCO ₃	19.92	13.89	24	24	13.89	19.27
	Sulfates as SO ₄	18.1	20	5.5	20	5.5	14.53
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	5.59	3.98	3.20	5.59	3.2	4.26
	Magnesium	1.45	BLQ	3.89	3.89	BLQ	1.78
	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Upper Bore Well 80 M	pH	5.69	6.52	6.44	6.52	5.69	6.22
	Conductivity	240	260	230	260	230	243.33
	Total Dissolved Solids	140	164	135	164	135	146.33
	Total Suspended Solids	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Chlorides as Cl-	41.46	47.94	37.92	47.94	37.92	42.44
	Total Hardness as CaCO ₃	23.9	26.79	34	34.00	23.90	28.23
	Sulfates as SO ₄	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Fluoride	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Phenols	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	BOD, 3 Days at 27°C	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	COD	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Zinc	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Lead	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Hexavalent Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nickel	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Cadmium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Copper	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Dissolved Phosphate	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Calcium	7.19	7.95	3.20	7.95	3.20	6.11
	Magnesium	1.45	1.69	6.32	6.32	1.45	3.15
	Total Alkalinity	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Ammoniacal Nitrogen	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Oils and Grease	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Total Chromium	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

End of the Report

Sample is drawn by KEIL-Laboratory As per IS 17614 (Part I) : 2025 BLQ-Below limit Of Quantitation ppm = mg/L	Test results relates only to the sample tested. This certificate shall not be reproduced except in full, without the written approval of the laboratory.	FOR AND ON BEHALF OF KERALA ENVIRO INFRASTRUCTURE LIMITED- LABORATORY AUTHORIZED SIGNATORY
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KEIL/QA/R/035

Issue No.: 02, Issue Date: 23.06.2023, Amendment No.: 00, Amendment Date: 23.06.2023
Page 2 of 2

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Manager (Quality Assurance)
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Ambalamedu - 682 303



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CIN: U24129KL2005PLC017973

'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

GROUND WATER ANALYSIS REPORT FOR THE QUARTER APRIL - JUNE 2026

Appendix IV
Date: 23.06.2026

Location / Description	Parameters	Sampling Date			Maximum	Minimum	Average
		01.04.2026	02.05.2026	02.06.2026			
Lower Bore Well 9M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Lower Bore Well 12M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Lower Bore Well 30M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
Upper Bore Well 80M	Manganese(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ
	Nitrate(ppm)	BLQ	BLQ	BLQ	BLQ	BLQ	BLQ

End of the Report

Remarks :

Authorized Signatory

Dr. Vinu. V. Dev
Manager (Quality Assurance)
Kerala Enviro Infrastructure Lt
Ambalamedu - 682 303

KEIL/QA/R/035

Issue No.: 01, Issue Date: 01.03.2020, Amendment No.: 00, Amendment Date.: Nil



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TC - 7728

Laboratory Approved by Kerala State Pollution Control Board (A' Grade)

TEST REPORT

Page 1 of 1

Report No.: CTH/LR/25/12/2092

Issue Date: December 16, 2025

Unique Lab Report Number	TC772025000002092F
Name and Address of customer	M/s. Kerala Enviro Infrastructure Ltd., Inside FACT-CD Campus, Ambalamedu, Kochi - 682 303
Sample Drawn By	Customer
Condition of the Sample	Acceptable
Particulars of the sample	Soil Sample
Location of Sampling	Near Landfill Cell No. 4
Sampling Method	NA
Sample Quantity	1 Kg
Sample code	25/12/2092
Date of receipt of sample	02.12.2025
Dates of Analysis	03.12.2025 - 15.12.2025
Description of the sample by the customer	SOIL

Sl. No.	Parameters	Unit	Test Method	Result
1	Arsenic as As	mg/Kg	USEPA 3050 B	BDL[MDL-0.038]
2	Cadmium as Cd	mg/Kg	USEPA 3050 B	BDL[MDL-0.038]
3	Chromium as Cr	mg/Kg	USEPA 3050 B	BDL[MDL-0.040]
4	Lead as Pb	mg/Kg	USEPA 3050 B	6.86
5	Manganese as Mn	mg/Kg	USEPA 3050 B	10.46
6	Nickel as Ni	mg/Kg	USEPA 3050 B	0.08
7	Zinc as Zn	mg/Kg	USEPA 3050 B	12.08
8	pH @ 25°C	---	IS : 2720 [Pt.26]	6.8
9	Electrical Conductivity	mS/m	IS : 14767	49

BDL - Below Detection Limit. MDL - Minimum Detection Limit.

End of Report

Verified By

Permy
Leona PA



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TEST REPORT

Page 1 of 1

Report No: CTH LR 25 NNN 515

Issue Date: December 16, 2025

Name and Address of customer	M/s. Kerala Enviro Infrastructure Ltd., Inside FACT-CD Campus, Ambalamedu, Kochi - 682 303
Sample Drawn By	Customer
Condition of the Sample	Acceptable
Particulars of the sample	Soil Sample
Location of Sampling	Near Landfill Cell No. 4
Sampling Method	NA
Sample Quantity	1 Kg
Sample code	25 NNN 515
Date of receipt of sample	02.12.2025
Dates of Analysis	03.12.2025 - 15.12.2025
Description of the sample by the customer	SOIL

Sl. No.	Parameters	Unit	Test Method	Result
1	Colour	---	By Visual	Brown
2	Fluoride as F	mg Kg	CTH CH SOP 540	1.02
3	Total Dissolved Solids	mg Kg	IS : 14767 : 2000	320
4	Mercury as Hg	mg Kg	CTH CH SOP 416	ND
5	Cyanide	mg Kg	CTH CH SOP 595	ND
6	Total Organic Carbon	%	IS : 2720 [Pt.22]	0.84
7	Total Suspended Solids	%	CTH CH SOP 541	22.5
8	Poly Aromatic Hydrocarbon	mg Kg	CTH CH SOP 596	ND

ND - Not Detected

End of Report

Verified By



Remya P.A.
Remya P.A.



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STACK EMISSION MONITORING REPORT

Page 1 of 1

Report No.: CTH/LR/25/NN/257

Issue Date: March 27, 2025

Name and Address of customer	M/s. Kerala Enviro Infrastructure Ltd., Inside FACT-CD Campus, Ambalamedu, Kochi - 682 303
Monitored By	Cochin Test House
Lab Identification No.	25/NN/257
Identification of Sample	Stack Emission from Vent Gas
Monitoring Date	21.03.2025
Date of Analysis	22.03.2025 - 26.03.2025

Sl. No.	Parameters	Unit	Method	Result			
				CELL - 1	CELL - 2	CELL - 3	CELL - 4
1	Hydrogen Sulphide	mg/Nm ³	IS : 11255 [Part.4]	0.92	0.90	0.91	0.92
2	Volatile Organic Compounds [VOC]	µg/m ³	IS : 5182 [Part.17]	ND	ND	ND	ND

ND - Not Detected.

End of Report


Authorised Signatory
Chemical



COCHIN TEST HOUSE

ANALYTICAL SERVICES & TESTING LABORATORY

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Laboratory Approved by Kerala State Pollution Control Board ('A' Grade)

STACK EMISSION MONITORING REPORT

Page 1 of 1

Report No.: CTH/LR/26/NN/455 B

Issue Date: July 01, 2026

Name and Address of customer	M/s. Kerala Enviro Infrastructure Ltd., Inside FACT-CD Campus, Ambalamedu, Kochi – 682 303
Monitored By	Cochin Test House
Lab Identification No.	26/NN/455 B
Identification of Sample	Stack Emission from Vent Gas
Monitoring Date	24.06.2026
Date of Analysis	25.06.2026 – 01.07.2026

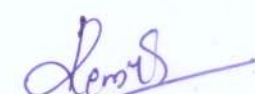
Sl. No.	Parameters	Unit	Method	Result				
				CELL - 1	CELL - 2	CELL - 3	CELL - 4	CELL - 5
1	Hydrogen Sulphide	mg/Nm ³	IS : 11255 [Part.4]	0.91	0.90	0.91	0.90	0.89
2	Volatile Organic Compounds [VOC]	µg/m ³	IS : 5182 [Part.17]	ND	ND	ND	ND	ND

ND – Not Detected.

End of Report




Verified By


Authorised Signatory
Chemical
COCHIN TEST HOUSE

NOTE : This test results relate only to the sample submitted for analysis.

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'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

TEST REPORT

Discipline: Chemical Testing	Report No:	KEIL/QA/SW/2026/003
Group: Water (Surface Water, Ground Water and Industrial Water)	Date of Issue	17.04.2026
Client Name & Address: KERALA ENVIRO INFRASTRUCTURE LIMITED Inside FACT-CD Campus, Ambalamedu P.O. Ernakulam-682 303	Sample Receipt	27.03.2026
	Sample Code	5664
	Sample Description	Surface Water - Ambalamedu Lake
	Analysis Started	27.03.2026
	Analysis Completed	16.04.2026

Sl. No.	Parameters Tested	Result	Unit	Test Method
1.	pH	6.84 at 24.8°C	-	IS:3025 (Part 11)
2.	Conductivity at 25°C	42	µS/cm	APHA 24 th Edition 2510 B
3.	Total Dissolved Solids (TDS)	BLQ (LOQ=25.0)	mg/L	IS:3025 (Part 16)
4.	Total Suspended Solids (TSS)	BLQ (LOQ=10.0)	mg/L	IS:3025 (Part 17)
5.	Chlorides as Cl ⁻	46.48	mg/L	IS:3025 (Part 32)
6.	Total Hardness as CaCO ₃	15.87	mg/L	IS:3025 (Part 21)
7.	Sulfates as SO ₄ ²⁻	BLQ (LOQ = 5.0)	mg/L	APHA 24 th Edition 4500- SO ₄ ²⁻ - E
8.	Fluoride as F ⁻	BLQ (LOQ = 0.5)	mg/L	APHA 24 th Edition 4500-F- C
9.	Phenolic compounds as C ₆ H ₅ OH	BLQ (LOQ = 0.5)	mg/L	APHA 24 th Edition 5530 D
10.	Biochemical Oxygen Demand (BOD), 3 Days at 27°C	BLQ (LOQ = 2.0)	mg/L	IS:3025(Part 44)
11.	Chemical Oxygen Demand (COD)	BLQ (LOQ = 5.0)	mg/L	IS: 3025(Part 58)
12.	Zinc as Zn	BLQ (LOQ = 0.1)	mg/L	IS:3025 (Part 49)
13.	Lead as Pb	BLQ (LOQ =1.0)	mg/L	IS:3025 (Part 47)
14.	Hexavalent Chromium as Cr ⁶⁺	BLQ (LOQ = 0.2)	mg/L	APHA 24 th Edition 3500-Cr B
15.	Nickel as Ni	BLQ (LOQ = 0.5)	mg/L	IS:3025 (Part 54)
16.	Cadmium as Cd	BLQ (LOQ = 0.1)	mg/L	IS:3025 (Part 41)
17.	Copper as Cu	BLQ (LOQ = 0.5)	mg/L	IS:3025 (Part 42)
18.	Dissolved Phosphate as PO ₄ ³⁻	0.12	mg/L	APHA 24 th Edition 4500 P -E
19.	Calcium as Ca	3.18	mg/L	APHA 24 th Edition 3500 Ca -B
20.	Magnesium as Mg	1.93	mg/L	APHA 24 th Edition 3500 Mg -B
21.	Total Alkalinity as CaCO ₃	16.48	mg/L	IS: 3025 (Part 23)
22.	Ammoniacal Nitrogen as NH ₃ -N	BLQ (LOQ = 1.0)	mg/L	APHA 24 th Edition 4500 NH ₃ -C
23.	Oils and Grease	BLQ (LOQ = 10.0)	mg/L	APHA 24 th Edition 5520 B
24.	Total Chromium as Cr	BLQ (LOQ = 0.1)	mg/L	IS: 3025 (Part 52)
25.	Manganese	BLQ (LOQ = 0.05)	mg/L	APHA 24 th Edition 3111 B
26.	Nitrate as NO ₃ ⁻	BLQ (LOQ = 0.1)	mg/L	APHA 24 th Edition 4500-NO ₃ - E

End of the Report

Sample is drawn by KEIL-Laboratory As per IS 17614 (Part 1) 2025. BLQ – Below Limit of Quantitation mg/L = ppm LOQ – Limit of Quantitation	Test results relate only to the sample tested. This certificate shall not be reproduced except in full, without the written approval of the laboratory	FOR AND ON BEHALF OF KERALA ENVIRO INFRASTRUCTURE LIMITED - LABORATORY AUTHORISED SIGNATORY
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KEIL/QA/R/033, Issue No.: 01, Issue Date: 01.03.2020,

Amendment No.: 00, Amendment Date: Nil

Page 1 of 1

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CIN: U24129KL2005PLC017973

'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

TEST REPORT

Discipline: Chemical Testing	Report No:	KEIL/QA/SW/2026/001
Group: Water (Surface Water, Ground Water and Industrial Water)	Date of Issue	17.04.2026
Client Name & Address: KERALA ENVIRO INFRASTRUCTURE LIMITED Inside FACT-CD Campus, Ambalamedu P.O. Ernakulam-682 303	Sample Receipt	27.03.2026
	Sample Code	5662
	Sample Description	Surface water – Upstream
	Analysis Started	27.03.2026
	Analysis Completed	16.04.2026

Sl. No.	Parameters Tested	Result	Unit	Test Method
1.	pH	9.12 at 24.8°C	-	IS:3025 (Part 11)
2.	Conductivity at 25°C	180	µS/cm	APHA 24 th Edition 2510 B
3.	Total Dissolved Solids (TDS)	105	mg/L	IS:3025 (Part 16)
4.	Total Suspended Solids (TSS)	BLQ (LOQ = 10.0)	mg/L	IS:3025 (Part 17)
5.	Chlorides as Cl ⁻	636.95	mg/L	IS:3025 (Part 32)
6.	Total Hardness as CaCO ₃	31.74	mg/L	IS:3025 (Part 21)
7.	Sulfates as SO ₄ ²⁻	BLQ (LOQ = 5.0)	mg/L	APHA 24 th Edition 4500- SO ₄ ²⁻ - E
8.	Fluoride as F ⁻	BLQ (LOQ = 0.5)	mg/L	APHA 24 th Edition 4500-F- C
9.	Phenolic compounds as C ₆ H ₅ OH	BLQ (LOQ = 0.5)	mg/L	APHA 24 th Edition 5530 D
10.	Biochemical Oxygen Demand (BOD), 3 Days at 27°C	BLQ (LOQ = 2.0)	mg/L	IS:3025(Part 44)
11.	Chemical Oxygen Demand (COD)	11.88	mg/L	IS: 3025 (Part 58)
12.	Zinc as Zn	BLQ (LOQ = 0.1)	mg/L	IS:3025 (Part 49)
13.	Lead as Pb	BLQ (LOQ = 1.0)	mg/L	IS:3025 (Part 47)
14.	Hexavalent Chromium as Cr ⁶⁺	BLQ (LOQ = 0.2)	mg/L	APHA 24 th Edition 3500-Cr B
15.	Nickel as Ni	BLQ (LOQ = 0.5)	mg/L	IS:3025 (Part 54)
16.	Cadmium as Cd	BLQ (LOQ = 0.1)	mg/L	IS:3025 (Part 41)
17.	Copper as Cu	BLQ (LOQ = 0.5)	mg/L	IS:3025 (Part 42)
18.	Dissolved Phosphate as PO ₄ ³⁻	0.17	mg/L	APHA 24 th Edition 4500 P -E
19.	Calcium as Ca	6.36	mg/L	APHA 24 th Edition 3500 Ca -B
20.	Magnesium as Mg	3.86	mg/L	APHA 24 th Edition 3500 Mg -B
21.	Total Alkalinity as CaCO ₃	10.30	mg/L	IS: 3025 (Part 23)
22.	Ammoniacal Nitrogen as NH ₃ -N	BLQ (LOQ = 1.0)	mg/L	APHA 24 th Edition 4500 NH ₃ -C
23.	Oils and Grease	BLQ (LOQ = 10.0)	mg/L	APHA 24 th Edition 5520 B
24.	Total Chromium as Cr	BLQ (LOQ = 0.1)	mg/L	IS: 3025 (Part 52)
25.	Manganese	BLQ (LOQ = 0.05)	mg/L	APHA 24 th Edition 3111 B
26.	Nitrate as NO ₃ ⁻	BLQ (LOQ = 0.1)	mg/L	APHA 24 th Edition 4500-NO ₃ - E

End of the Report

Sample is drawn by KEIL-Laboratory As per IS 17614 (Part 1) 2025. BLQ – Below Limit of Quantitation mg/L = ppm LOQ – Limit of Quantitation	Test results relate only to the sample tested. This certificate shall not be reproduced except in full, without the written approval of the laboratory	FOR AND ON BEHALF OF KERALA ENVIRO INFRASTRUCTURE LIMITED - LABORATORY  AUTHORISED SIGNATORY
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KEIL/QA/R/033, Issue No.: 01, Issue Date: 01.03.2020,

Amendment No.: 00, Amendment Date: Nil

Page 1 of 1

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TC - 7616

'A' GRADE LABORATORY APPROVED BY KERALA STATE POLLUTION CONTROL BOARD

TEST REPORT

Discipline: Chemical Testing	Report No:	KEIL/QA/SW/2026/002
Group: Water (Surface Water, Ground Water and Industrial Water)	Date of Issue	17.04.2026
Client Name & Address: KERALA ENVIRO INFRASTRUCTURE LIMITED Inside FACT-CD Campus, Ambalamedu P.O. Ernakulam-682 303	Sample Receipt	27.03.2026
	Sample Code	5663
	Sample Description	Surface Water – Down Stream
	Analysis Started	27.03.2026
	Analysis Completed	16.04.2026

Sl. No.	Parameters Tested	Result	Unit	Test Method
1.	pH	6.99 at 24.8°C	-	IS:3025 (Part 11)
2.	Conductivity at 25°C	3200	µS/cm	APHA 24 th Edition 2510 B
3.	Total Dissolved Solids (TDS)	1865	mg/L	IS:3025 (Part 16)
4.	Total Suspended Solids (TSS)	BLQ (LOQ = 10.0)	mg/L	IS:3025 (Part 17)
5.	Chlorides as Cl ⁻	775.89	mg/L	IS:3025 (Part 32)
6.	Total Hardness as CaCO ₃	297.60	mg/L	IS:3025 (Part 21)
7.	Sulfates as SO ₄ ²⁻	51.2	mg/L	APHA 24 th Edition 4500- SO ₄ ²⁻ - E
8.	Fluoride as F ⁻	BLQ (LOQ = 0.5)	mg/L	APHA 24 th Edition 4500-F- C
9.	Phenolic compounds as C ₆ H ₅ OH	BLQ (LOQ = 0.5)	mg/L	APHA 24 th Edition 5530 D
10.	Biochemical Oxygen Demand (BOD), 3 Days at 27°C	BLQ (LOQ = 2.0)	mg/L	IS:3025(Part 44)
11.	Chemical Oxygen Demand (COD)	17.42	mg/L	IS: 3025 (Part 58)
12.	Zinc as Zn	0.102	mg/L	IS:3025 (Part 49)
13.	Lead as Pb	BLQ (LOQ = 1.0)	mg/L	IS:3025 (Part 47)
14.	Hexavalent Chromium as Cr ⁶⁺	BLQ (LOQ = 0.2)	mg/L	APHA 24 th Edition 3500-Cr B
15.	Nickel as Ni	BLQ (LOQ = 0.5)	mg/L	IS:3025 (Part 54)
16.	Cadmium as Cd	BLQ (LOQ = 0.1)	mg/L	IS:3025 (Part 41)
17.	Copper as Cu	BLQ (LOQ = 0.5)	mg/L	IS:3025 (Part 42)
18.	Dissolved Phosphate as PO ₄ ³⁻	1.08	mg/L	APHA 24 th Edition 4500 P -E
19.	Calcium as Ca	23.86	mg/L	APHA 24 th Edition 3500 Ca -B
20.	Magnesium as Mg	57.85	mg/L	APHA 24 th Edition 3500 Mg -B
21.	Total Alkalinity as CaCO ₃	20.6	mg/L	IS: 3025 (Part 23)
22.	Ammoniacal Nitrogen as NH ₃ -N	BLQ (LOQ = 1.0)	mg/L	APHA 24 th Edition 4500 NH ₃ -C
23.	Oils and Grease	BLQ (LOQ = 10.0)	mg/L	APHA 24 th Edition 5520 B
24.	Total Chromium as Cr	BLQ (LOQ = 0.1)	mg/L	IS: 3025 (Part 52)
25.	Manganese	0.151	mg/L	APHA 24 th Edition 3111 B
26.	Nitrate as NO ₃ ⁻	BLQ (LOQ = 0.1)	mg/L	APHA 24 th Edition 4500-NO ₃ - E

End of the Report

Sample is drawn by KEIL-Laboratory As per IS 17614 (Part 1) 2025. BLQ – Below Limit of Quantitation mg/L = ppm LOQ – Limit of Quantitation	Test results relate only to the sample tested. This certificate shall not be reproduced except in full, without the written approval of the laboratory	FOR AND ON BEHALF OF KERALA ENVIRO INFRASTRUCTURE LIMITED – LABORATORY AUTHORISED SIGNATORY
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KEIL/QA/R/033, Issue No.: 01, Issue Date: 01.03.2020,

Amendment No.: 00, Amendment Date: Nil

Page 1 of 1

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GSTIN: 32AACCK6979P1ZS, CIN: U24129KL2005PLC017973

Noise level monitoring report for the quarter January- March 2026

Location	Frequency	KSPCB Limits	Unit	Date of monitoring			Maximum	Minimum	Average
				22.01.2026	26.02.2026	26.03.2026			
KEIL Main Entrance	Day	75	DB	48.3	53.4	48.9	53.4	48.3	50.20
	Night	70	DB	47.5	52.4	47.4	52.4	47.4	49.10
CBWTF Entrance	Day	75	DB	53.2	62.8	53.8	62.8	53.2	56.60
	Night	70	DB	52.4	62.5	52.7	62.5	52.4	55.87

Noise level monitoring report for the quarter April- June 2026

Location	Frequency	KSPCB Limits	Unit	Date of monitoring			Maximum	Minimum	Average
				30.04.2026	28.05.2026	25.06.2026			
KEIL Main Entrance	Day	75	DB	52.5	53.4	54.8	54.8	52.5	53.57
	Night	70	DB	51.8	52.1	-	52.1	51.8	51.95
CBWTF Entrance	Day	75	DB	52.6	52.3	52.4	52.6	52.3	52.43
	Night	70	DB	51.4	51.6	-	51.6	51.4	51.50


M. Pragasam