

**HALF YEARLY PROGRESS REPORT OF COMPLIANCE
WITH ENVIROMENTAL CLEARANCE CONDITIONS
(Half year ending 30 June 2025)**

EC NO: 87/2017
Date of Issue: 29 November 2017
Proposal No: No:1036(A)/SEIAA/EC3/502/2016
Name of the Project: Common Bio-medical Waste Treatment Facility
Project Proponent: Kerala Enviro Infrastructure Limited
Common Bio-Medical Waste Treatment Facility, Inside
FACT CD Campus, Ambalamedu, Kochi.
Pin: 682303
Location: Survey No:205, Block No:37
Ambalamedu,
Puthencruz village, Kunnathunadu Taluk,
Ernakulam District, Kerala

Specific conditions of Environmental Clearance		
Sl. No:	Specific Conditions	Status
1	The Authority also insist that on-time display for monitoring of the effluents, particularly of each pollutant for the information of the public should be commenced.	Display board placed at the entrance of the unit. There is no discharge of effluent from the unit. Effluent generated is internally used in quench tower, floor washing, vehicle washing, irrigation and gardening etc.
2	A notarised affidavit that all the conditions shall be strictly implemented should be submitted before the issuance of EC.	KEIL submitted the notarised affidavit to SEIAA on 11.11.2017. Copy is enclosed as Annexure-1.
3	The proponent has submitted the affidavit received dated 11.11.2017 and stating that all the specific and general conditions shall be strictly implemented. Environmental Clearance as per the EIA notification 2006 is therefore granted to proposed Common Biomedical Waste Treatment Facility (CBWTF) by Dr. N K Pillai, Chief Executive Officer, Mis Kerala Enviro Infrastructure Limited in Sy No. 205 at Puthenkurissu Village, Kunnathunadu Taluk, Emakulam district, Kerala subject to the specific conditions mentioned in para 8 above, the usual general conditions for projects other than mining appended hereto and the general green conditions applicable for construction projects should be strictly adhered to.	Noted

4	<p>The 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 deemed to be part of these proceedings as conditions as undertaken by the proponent, as if incorporated herein.</p>	Noted.
5	<p>Validity of the Environmental Clearance will be five years from the date of issuance of E.C subject to inspection by SEIAA on annual basis and compliance of the conditions, subject to earlier review of E.C 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.</p>	Noted.
6	<p>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.</p>	Noted.
7	<p>Necessary assistance for entry And inspection by the concerned officials and staff should be provided by the project proponents.</p> <p>Instances of violation if any shall be reported to the District Collector, Ernakulam to take legal action under the Environment (Protection) Act 1986.</p> <p>The given address for correspondence with the authorized signatory of the project is, Dr. N K Pillai., Chief Executive Officer, Mis Kerala Enviro Infrastructure Limited., inside FACT-CD campus, Ambalamedu, Emakulam- 682303.</p>	Noted.

General Conditions of Environmental Clearance		
S.No.	Condition	Status
1	The waste shall be treated and disposed of in accordance with Schedule I, and in compliance with the standards prescribed in Schedule-V of Bio Medical Waste Management and handling Rules.	Bio-medical waste is collected from various health care Facilities / institutions in colour coded, barcoded bags as specified in Schedule-V of Bio-medical Waste Management Rules.
2	Bio-Medical waste shall not be mixed with other wastes and the waste shall be segregated into labelled containers / bags at the point of generation prior to its storage, transportation, treatment and disposal.	Waste segregated by HCFs and supply to KEIL in colour coded, bar coded bags. Dedicated vehicles are used for transportation of BMW from various HCFs to KEIL. The vehicles are labelled as per statute. There will not be any mixing during of bio-medical waste during receipt, transportation, storage and treatment.
3	Plastic wastes should be treated and disposed separately.	Plastic waste is supplied to KEIL in red coloured bags. This is disinfected by autoclaving and disinfected plastic waste is supplied to plastic recyclers after segregation and shredding.
4	Untreated biomedical waste shall be transported only in such vehicle as may be authorized for the purpose by the competent authority as specified by the government.	Dedicated vehicles are used for transportation of Bio-medical waste from various Health care facilities to KEIL. All these vehicles are fitted with GPS and have authorization from State Pollution Control Board.
5	The base of the waste cabin shall be leak proof to avoid pilferage of liquid during transportation and the inner surface of the waste cabin shall be made of smooth surface to minimize water retention. The waste cabin shall be so designed that it is easy to wash and disinfect.	Complying.
6	Every time a vehicle is unloaded, the vehicle and empty waste containers shall be washed properly and disinfect.	Complying. The Bio-medical waste carrying vehicles after unloading the Bio-medical waste is cleaned and disinfected with Sodium Hypochlorite solution.
7	No treated bio-medical waste shall be kept stored beyond a period of 48 hours.	Complying.

8	Adopt suitable design criteria for incinerators, Incinerator room and waste storage room for better performance.	Complying. Separate rooms provided for incinerators, autoclaves, Shredder etc. Separate storage areas provided for storing waste received in red, yellow , Blue/white coloured bags and treated waste.
9	The proponent should get authorization and other statutory clearances from the Government Departments / agencies for the functioning as per rules.	KEIL has obtained Consent to operate from Kerala State Pollution Control Board for operating the CBWTF the present consent to operate / authorisation is valid up to 30-06-2029. KEIL has also obtained necessary permits, licenses etc from Factories & Boilers Dept., Local self-Government, Fire & Rescue Dept. etc.
10	The proponent shall maintain records related to the generation, collection, reception , storage, transportation, treatment, disposal and /or any form of handling of bio- medical waste in accordance with rules.	Records of collection, receipt, treatment, disposal are maintained.
11	The proponent should take adequate measures to prevent the contamination of polluting gas/effluents/ashes to air, water and land.	KEIL has considered this during design stage itself and installed: 1. Emission treatment system installed for prevention of contamination of air. 2.ETP installed and is in operation for prevention of contamination of water. 3.Sharp pit is provided to prevent land contamination. 4. Ash & ETP sludge are disposed in own TSDF of KEIL at Ambalamedu, Kochi.
12	The equipments used for the treatment should be cleaned every day and the waste water should be treated before further usage.	Complying.
13	No effluent should be discharged out of the premises.	The effluent generated is treated and entire quantity of the treated effluent is used in quench tower, vehicle washing, floor washing, irrigation and gardening. There is no discharge of effluent from the unit.

14	Technology and capacity of the STP to be indicated with discharge point (if any) of the treated effluent.	There is no STP installed in KEIL. Septic tanks and soak pits are provided.
15	Generation of solar energy to be mandatory for own use and/or to be provided to the grid.	12 nos Solar streetlights were installed in the Bio-medical waste treatment Facility and are in operation.
16	Rain Water Harvesting capacity should be installed as per the prevailing provisions of KMBR / KPBR, unless otherwise specified elsewhere.	Complying. Rain water falling on the roof of the administrative building is collected and diverted to Fire water tank.
17	Environment Monitoring Cell as agreed under the affidavit filed by the proponent should be formed and made functional.	Environment Monitoring Cell has been setup and functional at Unit level.
18	High walls, fencing and guarded gates shall be provided at the facility to prevent unauthorized access to the site by humans and livestock.	Compound wall has been constructed around the BMWTF (3.5acres).
19	Green belt should be provided by using common local tree species around the project area.	Saplings of local species of trees are planted in the Green belt around the CBWTF of KEIL.
20	Waste such as incineration ash generated in the process of incineration shall be stored in a separate area under the shed so as to avoid entry of rain water during the monsoon.	Incineration ash generated is stored in ash storage and transported and disposed in own TSDF of KEIL at Ambalamedu, Kochi.
21	Provision for parking shall be made within the confines of the site for parking of required number of vehicles, loading and unloading of the vehicles meant for transporting waste to and from the facility.	Separate parking area (10m x 10m) provided for parking BMW carrying vehicle.
22	An identification board of durable material and finish shall be displayed at the entrance to the facility. This shall clearly display the name of the facility, the name, address and telephone number of the operator and the prescribed authority, the hours of operation and the telephone numbers of the personnel to be contacted in the event of an emergency.	Identification Board of 4x6 size with required details are maintained at the entrance of the unit.

23	Fire safety equipment such as sand buckets and fire extinguishers should be provided at all the salient points as per Fire and Safety Regulations.	<p>A full fledged Fire Hydrant system consisting of 150KL Water storage tanks, 5nos fire hydrant pumps, fire hydrant lines, sprinkler system etc.</p> <p>The Fire hydrant system is approved by the Department of Fire & Rescue Services, Govt. of Kerala.</p> <p>Portable fire extinguishers are provided at prominent places in the CBWTF.</p>
24	Measures shall be implemented to control pests and insects at the site.	<p>Pests and insects control has been carried out by engaging professional agencies like Central Ware Housing corporation. Govt. Of India.</p> <p>AMC for regular pest & insect control has been placed with Central Warehousing Corporation, Ernakulam Unit.</p>
25	Necessary provision shall be made to prevent and control noise generated, if any, due to the activities at the site.	<p>Motors purchased generate noise below 75 dBA. Acoustic enclosure provided for DG set.</p> <p>Noise level in CBWTF is monitored periodically.</p>
26	The conditions specified in the Companies Act, 2013 should be observed for Corporate Social Responsibility.	Complying Details of CSR spending is enclosed as Annexure-2.
27	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 Environmental (Protection) Act 1986 to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted and will comply all directions of the authority.
28	The stipulations by Statutory Authorities under different Acts and Notifications should be complied with, including the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and	Noted and will comply all directions of the statutory authorities.

	Control of Pollution) act 1981, the Environment (Protection) Act, 1986; The Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.	
29	The project proponent should advertise in at least two local newspapers widely circulated in the region, one of which (both the advertisement and the newspaper) shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Department of Environment and Climate Change, Govt. of Kerala and may also be seen on the website of the Authority at www.seiaakerala.org . 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. Advertised in the newspapers, The Hindu Daily and The Malayala Manorama Daily on 09 December 2017. Compliance status along with duly signed copy of the EC, Copies of the newspaper advertisement etc were submitted to SEIAA on 11 November 2017.
30	A copy of the clearance letter shall be sent by the proponent to 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 put on the website of the company by the proponent.	Complied. Copies submitted to Puthencuruz Panchayath, Thrippunithura Municipality, Ernkulam District Collectorate, Local NGOs. Copy of Environmental clearance made available in KEIL web site, www.keralaenviro.com
31	The proponent shall submit half yearly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) and upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the	Complied.

	respective Regional Office of MoEF, Govt. of India and also to the Directorate of Environment and Climate Change, Govt. of Kerala.	
32	The details of Environmental Clearance should be prominently displayed in a metallic board of 3 ft x 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.	Complied. Details are displayed in metallic board of 3 ft x 3 ft size in green background and yellow letters of Times New Roman font of 40size
33	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. Notorised affidavit submitted to SEIAA on 11.11.2017.

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

	protected from rains to avoid further leachate generation.	
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.	5 nos., 50W capacity solar lamps were provided for landfill lighting in October 2021. Planned to provide more numbers of solar, yard lighting system.
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 ensure proper land scape for the compound and Office premise.	96 nos tree saplings were planted on 5 th June 2025. Minimum 20m width of greenbelt maintained all around the landfill,
2(g) & 3(vii)	Provide 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 species of trees are being planted in available area within the compound.
2(h) & 3(viii)	Action for filling the gaps in the fencing / compound wall, provided in all around the compound of the existing as well as proposed SLF, for the protection of the area.	Fencing /compound wall has been provided around the KEIL property and gaps in fencing were filled. Regular repair works are being carried out for the fencing in SLF area.
2(i) & 3(ix)	Action for collecting rain water falling on active tipping areas separately and managing it as leachate, via the leachate collection drain and leachate collection sumps and finally lead to the leachate treatment for treatment and disposal/ reuse.	Active tipping areas of the landfill were covered with double layer system consisting of LDPE sheets and Tarpaulin sheets by the end of May 2024 to prevent rain water ingress. Waste received after 19 May 2025 is disposed in Monsoon Storage shed. Rainwater, if any entering in to the landfill area is collected along with leachate and treated in 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 Operators, for effectively addressing the problems associated with fire in consultation with Fire and safety Department.	Provided fire hydrants in and around the SLF. Inhouse fire and safety training is given to operators and work assistants regularly. Also Fire & Safety training is given to employees of KEIL through National Safety Council, Kerala Chapter and Kerala State Productivity Council.

2(k) & 3(xi)	Action for periodic monitoring of ground water quality by establishing Monitoring Wells, at the existing as well as in the proposed SLF, located at specified horizontal distance interval, 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 ground water (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.	There are four monitoring wells, one on the upper side and three on the lower side of landfill for monitoring the ground water quality. KEIL has issued a work order to NEERI for studying the ground water flow characteristics. Site visit completed.
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 E.C, 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	Noted

	<p>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.</p>	
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GENERAL CONDITIONS

I.	Statutory Compliance	Action by KEIL
	<p>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.</p> <p>All other statutory clearances should be obtained, as applicable, by project proponents from the respective competent authorities.</p> <p>Copies of statutory clearance obtained shall be enclosed along with first half yearly compliance report.</p>	<p>KSPCB issued consent variation order on 23-06-2022 enhancing capacity of landfill from 10 Lakh MT to 27.50 lakh MT.</p> <p>Clearances from all other statutory authorities continuing.</p>
	<p>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.</p>	<p>Complied.</p>
	<p>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.</p>	<p>Power allocation is adequate.</p>
	<p>Permission to draw ground water/surface water shall be obtained from the competent Authority prior to construction/operation of the project.</p>	<p>No ground water is extracted. Water requirement of KEIL is met from FACT Cochin Division, Ambalamedu, Kochi.</p>
II	Air quality Monitoring and Preservation	
II (i)	<p>1. The project proponent shall install system to carryout Ambient Air Quality Monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to Particulate Matter emission, and SO₂ and NO_x in reference to SO₂ 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.</p>	<p>3 nos Ambient air quality monitoring stations were purchased and installed in appropriate locations for monitoring PM₁₀ and PM_{2.5} in reference to Particulate Matter emission, and SO₂ and NO_x, NO_x in reference to SO₂ and NO_x emissions.</p> <p>Instruments for the 4th ambient air monitoring station has been procured, construction of the Tower is in progress.</p>

II (ii)	11. The project proponent shall submit monthly summary report of air quality monitoring to Regional Office of MoEF & CC, SEIAA & Regional Office of KSPCB along with six-monthly compliance report. Gas generated in the land fill should also be reported.	Ambient air quality, Vent Gas generated in the land fill are monitored regularly and reports are submitted to KSPCB, CPCB etc. Reports on Ambient air quality, Vent Gas generated in the land fill 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.	Display board placed at the entrance of KEIL.
III	Water Quality Monitoring and Preservation	
III (i)	The project proponent shall submit monthly summary report of the results of effluent analysis and monitoring of ground water quality to Regional Office of MoEF & CC, SEIAA & KSPCB along with six-monthly compliance report.	Monthly summary report of the results of effluent analysis and monitoring of ground water quality are enclosed.
III (ii)	No discharge of leachates /waste water in nearby river(s)/pond(s).	There is no discharge of leachates /wastewater to outside the premises. Leachate generated is collected regularly from each Cell and treated in 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 ground water 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. Toxicity Characteristic Leaching Procedure (TCLP) test to be performed on leachates.	Leachate generated collected regularly from each cell and treated in 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.	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.	Total Water consumption is less than the quantity given in project details.
III (ix)	The ground water level and its quality should be monitored regularly in consultation with State Groundwater Department/Central Ground Water Authority.	There are four monitoring wells, one on the upper side and three on the lower side of landfill for monitoring the ground water quality.
III (x)	Storm water control and its re-use measures as per CGWB and CPCB standards shall be followed for various applications.	Will be complied.
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.	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.	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.	DG sets are provided with acoustic enclosures. Employees are advised to use ear plugs / earmuffs in these areas. Sound level is monitored regularly by Safety Officer.
V	Energy Conservation Measures	
V (i)	Low sulphur diesel shall be used as fuel in DG sets. The location of the DG sets may be decided in consultation with Kerala State pollution Control Board. DG sets should not be housed in sub-basement levels.	Commercial diesel is used as fuel in DG sets. Location of DG set is approved by 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 the 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 off/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.	Being complied. KEIL has a facility for collecting mercury vapours in activated carbon from tube lights and CFLs and scientific disposal of the collected activated carbon and crushed tube lights & CFLs after encapsulation in cement concrete pipes.

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 future.	5 nos, 50W solar street lights were installed in 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.	Being complied.
VI (iv)	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Being complied.
VI (v)	The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Being complied.
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.	Being complied.
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.	Being complied.
VII (ii)	Emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Hazard Identification and Risk Assessment (HIRA) to be carried out. Emergency Preparedness Plan / Disaster Management Plan approved by Directorate of Factories & Boilers available.
VII (iii)	Occupational health surveillance of the workers shall be done on a regular basis.	Complete medical checkup of employees is carried out once in 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, 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 Half Yearly Compliance Report along with status of implementation and certificates from the beneficiaries and photographs.	Will be followed.
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 share holders / stake holders. 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.	Environmental Policy (HSE) approved by the Board of Directors. Will be followed. Will be followed Copy of the board resolution is included in the first six- monthly report.
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 directly report to the Head of the Organization. Environmental Monitoring Committee with defined functions and responsibility should fore see 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 exists at company Head quarter level. 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 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 submitted to MoEF&CC..
VIII (vi)	Self- environmental audit shall be conducted annually. Every years third party environmental audit shall be carried out.	National Productivity Council (NPC) has conducted the environmental audit of KEIL in 2023.
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.	Notorised 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.	Published in Malayalam in all kerala editions of The Deshabimani 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.	Copies of EC were submitted to Vadavucode puthencruz panchayath, Regional office & district office of KSPCB with a request to display the EC in 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 3 ft with green background and yellow letters of Times New Roman font of size of not less than 40.	Complied
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.	Being complied.
IX (7)	Safety measures should be implemented as per the Fire and Safety Regulations/SDMA guidelines.	Being 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.	Being followed. Breakfast & tea, lunch/ dinner, afternoon tea & snacks, evening / early morning tea & snacks are distributed to employees on duty, free of cost.
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.	Being complied.
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 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:

Chief Executive Officer
Kerala Enviro Infrastructure Limited