

TKI/VI/1(i)/2023-24/ 10035

15.03.2024

The Member Secretary,
Kerala State Pollution Control Board,
Pattom P.O.,
Thiruvananthapuram - 695 004.

Sir,

Sub: Kochi Bangalore Industrial Corridor- Integrated Manufacturing Cluster at Pudussery, Palakkad

Ref: Environmental Clearance Letter Dated 15/02/2024

The proposal for Setting up of Integrated Manufacturing Cluster (IMC) at Pudussery for Palakkad Node in Kerala under Kochi-Bengaluru Industrial Corridor (KBIC) [Area 557.44 ha] by M/s Kerala Industrial Corridor Development Corporation Limited has obtained Environmental Clearance from the MoEF&CC. The project is being implemented by Kerala Industrial Corridor Development Corporation Ltd. (KICDCL), an SPV incorporated by National Industrial Corridor Development Corporation (NICDC) and Kerala Industrial Infrastructure Development Corporation (KINFRA). The total project area is 557.44 ha (Pudussery Central - 460.15 ha (1,137 acres) and Pudussery West - 97.29 ha (240 acres). comprising of two land parcels which are proposed to be connected through inter parcel road network.

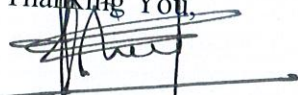
The proposed project is located at Village Pudussery Central & Pudussery West, Taluka Palakkad, District Palakkad, Kerala. It will be spread across latitudes of 10°48'12.88"N to 10°50'1.59"N and longitudes of 76°44'21.61"E to 76°47'38.02"E

The ToR proposal was considered in the 316th EAC meeting held during 15th-16th December, 2022 through video conferencing and the Committee recommended for grant of ToR. Ministry granted the ToR on 23rd January, 2023.

The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant Environmental Clearance for 'Setting up of Integrated Manufacturing Cluster (IMC) in an area of 557.44 ha at Pudussery for Palakkad Node in Kerala under Kochi-Bengaluru Industrial Corridor (KBIC) by M/s Kerala Industrial Corridor Development Corporation Limited' under the EIA Notification, 2006 as amended, subject to strict compliance of specific conditions mentioned in the EC, in addition to all standard conditions applicable for such projects.

Enclosing the copy of EC obtained for your information and Publishing in your office

Thanking You,



Managing Director

KINFRA Hi tech Park, HMT Colony P.O., Kalamassery
Kerala, India - 683503

CIN : U45203KL2021PLC068683

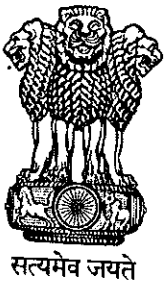
Email: koshy@kinfra.org Phone : 0484 2559790

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File No: 10/35/2022-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 15/02/2024



To,

Santosh Koshy Thomas
THE KERALA INDUSTRIAL CORRIDOR DEVELOPMENT CORPORATION LIMITED
KINFRA Hi Tech Park, HMT Colony, P.O. Kalamassery, Ernakulam, Kerala 683503 , ,
ERNAKULAM, KERALA, , 683503
koshy@kinfra.org

Subject:

Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/KL/INFRA1/455582/2023 dated 23/01/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A3102KL5625324N
(ii) File No.	10/35/2022-IA.III
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	7(c) Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones , Independent Effluent Treatment Plant / Sewage Treatment Plant,7(h) Common Effluent Treatment Plants (CETPs)
(vi) Sector	INFRA-1
(vii) Name of Project	Proposed Integrated Manufacturing Cluster (IMC) at Pudussery for Palakkad Node in Kerala under Kochi-Bengaluru Industrial Corridor (KBIC)
(viii) Name of Company/Organization	THE KERALA INDUSTRIAL CORRIDOR DEVELOPMENT CORPORATION LIMITED
(ix) Location of Project (District, State)	PALAKKAD, KERALA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per	No

EIA Notification, 2006

4. The proposal is for Setting up of Integrated Manufacturing Cluster (IMC) at Pudukkottai for Palakkad Node in Kerala under Kochi-Bengaluru Industrial Corridor (KBIC) [Area 557.44 ha] by M/s Kerala Industrial Corridor Development Corporation Limited. The project is being implemented by Kerala Industrial Corridor Development Corporation Ltd.(KICDCL), an SPV incorporated by National Industrial Corridor Development Corporation(NICDC) and Kerala Industrial Infrastructure Development Corporation (KINFRA). The total project area is 557.44 ha(Pudukkottai Central - 460.15 ha (1,137 acres) and Pudukkottai West - 97.29 ha (240 acres). comprising of two land parcels which are proposed to be connected through inter parcel road network.

5. The proposed project is located at Village Pudukkottai Central & Pudukkottai West, Taluka Palakkad, District Palakkad, Kerala. It will be spread across latitudes of 10°48'12.88"N to 10°50'1.59"N and longitudes of 76°44'21.61"E to 76°47'38.02"E.

6. The project falls under Schedule 7(c) Category "A" as per EIA Notification 2006, as the Kerala-Tamil Nadu inter-state boundary is located at the distance of 5.0 km (aerial distance) in NE from the eastern boundary of the project site and General condition is applicable. The total cost of the project is Rs. 1,617.89 Crores.

7. Terms of References (ToR) details: The ToR proposal was considered in the 316th EAC meeting held during 15th-16th December, 2022 through video conferencing and the Committee recommended for grant of ToR. Ministry granted the ToR on 23rd January, 2023.

8. Public Hearing: Public hearing was conducted on Palakkad district, Kerala. The details are as following:

Date of Public Hearing	Venue	District and State	Chaired by
30.09.2023	V.V.Collage, Chullimada, Palakkad	Palakkad, Kerala	Additional District Magistrate, Palakkad

9. Land use/Land cover of project site.

S.No	Landuse/Landcover	Area(ha)	Percentage (%)	Remarks, if an
1	Agriculture Land	140.37	25.2	-
2	Built-up Area	2.04	0.4	-
3	Open Scrub	373.44	67.0	-
4	River/Waterbody	19.45	3.5	-
5	Vegetation	22.14	4.0	-
Total		557.44	100.0	-

10. List of industries to be housed with the proposed project site, only for projects covered under 7(c) category of EIA Notification, 2006:

S.No.	Industries	Potential Sub-Sector	Category as per KSPCB list published on 31.05.2021* (Pollution Index Score)	Schedule of Industry as per EIA notification, 2016.
1	Food and beverages	Coconut based edible oil manufacturing	Orange (<55)	Not Applicable
		Fruit based beverages		
		Dairy and dairy products (manufacturing of value-added dairy products)		
		Dal mills/Rice mill (Rice hullers only)	Green (<30)	
		Spice grinding [up to -20 horsepower (HP) motor]		
Spice grinding (>20 HP motor)				
2	Pharmaceuticals, Drug Formulations (excluding Bulk Drugs & APIs), Medicinal and Botanical Products	Pharmaceutical formulation and for R&D purpose (for sustained release/extended release of drugs only and not for commercial purpose)	Orange (<55)	Not Applicable
		Surgical and medical products including prophylactics and latex		

		Ayurvedic and Homeopathic Medicine		
		Thermometer manufacturing		
		Ayurvedic and homeopathic medicines (without boiler)	Green (<30)	
		Manufacturing of blood bags	Not defined	
3	Machinery & Equipment	Transformer repairing/ manufacturing (dry process only)	Orange (<55)	Not Applicable
		Electrical and electronic item assembling (completely dry process)	White#	
		Diesel pump repairing and servicing (complete mechanical dry process)		
4	Non-Metallic Mineral Products	Glass ceramics, earthen potteries and tile manufacturing using oil and gas fired kilns, coating on glasses using cerium fluorides and magnesium fluoride	Orange (<55)	Not Applicable
		Brickfields (excluding fly ash brick manufacturing using lime process)	White#	
		Fly ash bricks/ block manufacturing		
6	Hi-tech manufacturing- Semi-conductors; Integrated Circuits; Medical Equipment; Printed Circuits; Nanotech products; Liquid Crystal Devices; Data processing machines;			Not Applicable
7	Textile (without dyeing)	Cotton spinning and weaving (small scale)	Green (<30)	Not Applicable
		Cotton spinning and weaving (medium and large scale)	Orange (<55)	
		Cotton and woolen hosiers making (Dry process only without any dyeing / washing operation)	White#	
8	Fabricated Metal Products-Metal Fasteners (clamps, screws, brackets etc.); Forging industries!; Metal Tubes & Pipes; Automotive Components.			Not Applicable

Note: Orange and Green category industries are classified based on the list as published by KSPCB on 31.05.2021 and for White category industries, details are as per list published on 31.08.2016 by KSPCB.

11. Terrain and topographical features: Presently the Site is undulating sloping east to west having a maximum elevation of ~150 m amsl (above mean sea level) in Pudussery Central parcel and lowest elevation of ~111 m amsl in Pudussery West parcel, implying the Project Site has slope towards SW direction. Drainage flow is also towards SW direction. Overall, the study area (10 km radius) is having a gentle slope from NW to SE direction.

12. Details of water bodies, impact on drainage: Few seasonal streams and small water bodies are present at the site. The Project Site has slope towards SW direction and drainage flow is also towards SW direction. Out of the total Project area 19.45 ha are water bodies. These water bodies within the proposed Project Site shall be retained. All the water bodies have been identified and marked on the map based on Site survey and toposheet and same will be protected with developing buffer zones. A buffer zone of 9m either side will be provided for the streams & water body within the site.

13. Water requirements: Construction Phase-Estimated water requirement during construction phase will range between 200 and 500 KLD that will be sourced locally through water tankers. Operation Phase - Total water requirement is estimated to be 15 MLD, out of which ~9 MLD shall be recycled and 3.8 MLD will be reused. Excess treated water will be used for industrial non potable and secondary uses. The fresh water will be sourced from the 24 MLD KINFRA WTP near Kanjikode village through a pipeline of 4.5km. NoC: Obtained from KINFRA vide letter no. KINHIT/KBIC/2021/2118 dated 21.06.2021. No Groundwater extraction is envisaged during construction and operation phases.

14. Diversion of forest land: The proposed project does not involved any forest land diversion. The project is not located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc. There are no National Parks, Wildlife Sanctuaries and Tiger Reserves located within 10 km radius of the project sites. As per report of Kerala State Biodiversity Board, Ecology Expert Panel. Western Ghats ESZ1 is located at a distance of ~300m in north-east

direction and ESZ3 is located at 5.3km in south direction.

15. Waste Management: The total wastewater generation is expected to be ~10,982 KLD. Industrial effluent will be treated in a Common Effluent Treatment Plant (CETP) to be located towards southwest direction of the IMC, which will have a design capacity of 8.1 MLD [i.e., 7.39 MLD (for tertiary treatment)]. Domestic wastewater will be treated in an on-Site Sewage Treatment Plan (STP) of 3.6 MLD capacity to be located towards southwest direction of the IMC. Treated water will be reused/ recycled for landscaping and other non-potable requirements at residential and commercial establishments and amenities. STP of 3.6 MLD capacity is proposed for the treatment of domestic wastewater. The treated water generated from STP will be recycled for non-potable use e.g., landscaping. Hazardous waste will be sent to the nearest Common Hazardous Waste Treatment Storage & Disposal Facility (CHWTSDF) of 10 Lakh MT disposal capacity² at Ambalamedu, Kerala, which is situated at ~100 km southwest of the proposed IMC Pudussery site. This Site is run by Kerala Enviro Infrastructure Limited (KEIL) and currently, six cells have been constructed for waste disposal out of which four cells are filled with waste and capped. Fifth and Sixth cells are in operation now. Nearest Bio-Medical Waste Treatment facility identified is at Manthuruthy, near Malampuzha in Palakkad located ~3.0 km west of the proposed Project location and BMW will be sent there. This facility is run by Indian Medical Association.

16. Details of tree cutting and Greenbelt development: Greenbelt will be developed within ~247.3 acres (~18% of the Project area) of the proposed Project all along the boundary of IMC area, open space, streams/water bodies, green service corridor. Remaining ~206 acres (~15% of the Project area) will be developed by individual industries, residential and amenities. Native plant species will be selected for the development of green belt to ensure the optimum growth. Preferably, plant species which can attenuate air emissions and noise emissions will be selected.

17. Energy conservation measures with estimated saving: Energy conservation Projects / schemes to result into reduction in greenhouse gas (GHG) shall be planned and implemented.

18. Details of Rainwater Harvesting: To strengthen water resiliency within IMC, a preliminary internal rainwater harvesting strategy has been proposed to tap rainwater from the selected catchment areas from western ghats to existing water bodies and connect with the water streams flowing and storing it within the Site such as ponds and quarry. This water stored in the Site can be treated and supplied to potable water supply network that can offset the demand for freshwater from KINFRA WTP in future.

19. It is proposed to harvest roof top rainwater from all buildings covering industrial (except those falling in Orange categories as per CPCB classification), residential, commercial and office areas as per the guidelines of Central Groundwater Authority (CGWA). Harvested water after treatment shall be stored by individual units/ plots in collection tanks and utilized as make up water for industrial operations, domestic purpose & ground water recharge by constructing rainwater harvesting pits. Individual units will set up rainwater harvesting within their premises. All safeguard measures will be taken to avoid any contamination of the groundwater. At IMC level, three rainwater harvesting ponds spread across 5 acres, 2 acres and 5 acres respectively are proposed to be developed, which shall be able to store ~700 million litre of harvested rainwater.

20. Land acquisition and R&R issues involved: The land required for the proposed IMC Pudussery is 557.44 ha (1,377 acres), which forms a part of Pudussery Central and West areas. ~80% of the land required for development is in possession of KINFRA and balance land is planned to be acquired by June 2024. In this context, Social Impact Assessment (SIA) has been done for Pudussery Central in September 2019 for 600 acres plot and January 2021 for 558 acres plot. For Pudussery West project site, SIA was done in March 2022 for 375 acres plot. These SIA reports are available online at <https://palakkad.nic.in>.

21. Employment potential: During construction phase 1,000 people will get employment. During operational phase Direct & indirect employment ~43,000 people will get employment. Local persons from nearby villages will be given preference.

22. Benefits of the project: Environment: No Red category industry are proposed within the IMC. Only orange, green, and white category industries will be developed. Adequate pollution control measures will be in place and monitoring will be carried out to assess performance of the pollution control measures. Environmental enhancement measures will be in place covering reclamation of quarries and ponds, building up resilient landscape, create waterfronts, ensure 33% of the area covered under greenbelt. Social: The project will generate direct and indirect employment opportunities thus uplifting the social status of the area. It will lead to development of supporting utilities and ancillary development such as upgradation and widening of the approach roads, innovative components to power supply infrastructure, development of medical and educational facilities etc. Economical: The industrial development is envisaged to spur growth for other service sector such as hospitality, eateries, restaurants, residential developments, commercial and retail office spaces. There is potential for industrial investments in the form of various industrial units.

23. Details of Court cases: No Court Cases is involved for the proposed project.

25. The EAC, taking into account the submission made by the project proponent, had a detailed deliberation in its 351st meeting of Expert Appraisal Committee held on 27th-28th December, 2023 and **recommended** the proposal for grant of

Environmental Clearance subject to all specific and standard conditions applicable for such projects.

26. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant Environmental Clearance for 'Setting up of Integrated Manufacturing Cluster (IMC) in an area of 557.44 ha at Pudussery for Palakkad Node in Kerala under Kochi-Bengaluru Industrial Corridor (KBIC) by M/s Kerala Industrial Corridor Development Corporation Limited' under the EIA Notification, 2006 as amended, subject to strict compliance of the following specific conditions, in addition to all standard conditions applicable for such projects.

27. This issues with the approval of the Competent Authority

Copy To

1. The Secretary, Directorate of Environment & Climate Change (DoECC) 4th Floor, K.S.R.T.C Bus Terminal Thampanoor, Thiruvananthapuram – 695001.
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
3. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore – 560034.
4. The Member Secretary, Kerala State Pollution Control Board, Head office, Pattom PO, Thiruvananthapuram, Kerala- 695004.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6. PARIVESH Portal.
7. Guard File/Record File.
8. Notice Board.

Annexure 1

Specific EC Conditions for (Common Effluent Treatment Plants (Cetps))

1. Specific Conditions

S. No	EC Conditions
1.1	<ol style="list-style-type: none">1. PP shall maintain the minimum distance of 500 mtrs from project boundry to the Western Ghats ESZ1 is located at north-east direction. The 500 mtrs Patche of natural vegetations and scrub land shall be maintained and developed as part of green belt.2. Atleast 15-meter-wide multilayered green belt shall be created all along the boundary of the project area.3. Greenbelt will be developed within ~247.3 acres (~18% of the Project area) of the proposed Project. Remaining ~206 acres (~15% of the Project area) will be developed by individual industries. Over all 33% of the green belt shall be developed. Native plant species will be selected for the development of green belt to ensure the optimum growth. Preferably, plant species which can attenuate air emissions and noise emissions will be selected.4. Tree species to be planted in the green belt shall be selected in consultation with state Forest department/concerned Divisional Forest Officer.5. All the topsoil excavated during development/ construction activities should be stored for use in horticulture/landscape development within the project site.6. Disposal of muck during development/ construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

S. No	EC Conditions
	<ol style="list-style-type: none"> 7. For all the individual units/infrastructure requirements, environmental clearances, as applicable, shall be obtained from the respective regulatory authorities. 8. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six Monthly Monitoring reports. 9. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the port area at least at four locations (one within and three outside the port area at an angle of 120°each), covering upwind and downwind directions. 10. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed fugitive emission standards. 11. Soil and ground water samples will be tested during regular monitoring period to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. The report shall submit along with the six monthly compliance report. 12. All the recommendation of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to RO, MoEF&CC along with half yearly compliance report. 13. Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water. 14. Any hazardous waste generated during development/ construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the Rajasthan Pollution Control Board. 15. The diesel generator sets to be used during development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards. 16. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during development/ construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/HPCB. 17. Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirement. 18. Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non-air conditioned spaces by use of appropriate thermal insulation material to fulfil requirement. 19. The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material. 20. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report. 21. The project proponent shall regularly monitor ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL

S. No	EC Conditions
	<p>accredited laboratories.</p> <p>22. The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured/recorded to ensure the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six Monthly Monitoring reports.</p> <p>23. All the recommendation of the EMP shall be complied with in letter and spirit and be submitted to the Regional Office, MoEF&CC along with six Monthly Monitoring reports.</p> <p>24. The member units shall provide storage tanks for storage of effluent for monitoring the characteristics of effluent before taking into the CETP for further treatment.</p> <p>25. Proper meters with recording facilities shall be provided to monitor the effluent quality and quantity sent from member industries to CETP and from CETP to re-use on a continuous basis.</p> <p>26. Ambient noise levels shall conform to the prescribed standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during development/ construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/SPCB.</p> <p>27. Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016.</p> <p>28. Parking space to accommodate trucks, cars, two wheelers and bicycles shall be provided as per the norms.</p> <p>29. Any hazardous waste generated during development! construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.</p> <p>30. Permission to draw ground water, if any, shall be obtained from the competent Authority prior to construction/ operation of the project.</p> <p>31. Regular supervision of the above and other measures for monitoring should be in place all through the development/ construction phase, so as to avoid disturbance to the surroundings.</p> <p>32. The installation of the Effluent Treatment Plant (ETP)/Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated affluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralised treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.</p> <p>33. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.</p> <p>34. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30th September, 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV, Compensatory Aforestation etc, either proposed by the project proponent based on the social impact assessment and R&R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.</p>

Standard EC Conditions for (Common Effluent Treatment Plants (CETPs))

1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
1.2	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.3	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (in case of the presence of schedule-I species in the study area)
1.4	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
1.5	The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
1.6	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.
1.7	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Diesel generating sets shall be installed, in the downwind directions.
2.2	Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
3.2	Total fresh water use shall not exceed the proposed requirement as provided in the project details.

S. No	EC Conditions
	Prior permission from competent authority shall be obtained for use of fresh water.
3.3	There shall be flow meters at inlet and outlet of CETP to monitor the flow. Suitable meters shall be provided to measure the quantity of effluent received, quantity of effluent recycled/reused and discharged.
3.4	The units and the CETP will maintain daily log book of the quantity and quality of discharge from the units, quantity of inflow into the CETP, details of the treatment at each stage of the CETP including the raw materials used, quantity of the treated water proposed to be recycled, reused within the Industrial park/units, quantity of the treated effluent discharged. All the above information shall be provided on- line of the web site exclusively prepared for the purpose by the CETP owner. The website shall be accessible by the public. The financial and energy details of the CETP will also be provided along with details of the workers of the CETP.
3.5	The CETP operator will maintain an annual register of member units which will contain the details of products with installed capacities and quality and quantity of effluents accepted for discharge. This will form a part of the initial and renewal applications for consent to operate to be made before the State Pollution Control Board.
3.6	No changes in installed capacity, quality or quantity of effluents as agreed upon in the initial MOU between the operator and the member units, addition of any new member units shall be carried without prior approval of the ministry
3.7	The Unit shall inform the State Pollution Control Board at least a week prior to undertaking maintenance activities in the recycle system and store/dispose treated effluents under their advice in the matter.
3.8	The unit shall also immediately inform the Pollution Control Board of any breakdown in the recycling system, store the effluents in the interim period and dispose effluents only as advised by the Pollution Control Board.
3.9	The MoU between CETP and member units shall indicate the maximum quantity of effluent to be sent to the CETP along with the quality.
3.10	The unit shall maintain a robust system of conveyance for primary treated effluents from the member units and constantly monitor the influent quality to the CETP. The Management of the CETP and the individual member shall be jointly and severally responsible for conveyance and pre-treatment of effluents. Only those units will be authorized to send their effluents to the CETP which have a valid consent of the Pollution Control Board and which meet the primary treated standards as prescribed. The CETP operator shall with the consent of the State Pollution Control Board retain the powers to delink the defaulter unit from entering the conveyance system.
3.11	The effluent from member units shall be transported through pipeline. In case the effluent is transported thorough road, it shall be transported through CETP tankers only duly maintaining proper manifest system. The vehicles shall be fitted with proper GPS system.
3.12	Before accepting any effluent from member units, the same shall be as permitted by the SPCB in the consent order. No effluent from any unit shall be accepted without consent from SPCB under the Water Act, 1974 as amended.

S. No	EC Conditions
3.13	Treated water shall be disposed on land for irrigation. An irrigation management plan shall be drawn up in consultation with and to the satisfaction of the State Pollution Control Board.
3.14	The Project proponents will build operate and maintain the collection and conveyance system to transport effluents from the industrial units in consultation with and to the satisfaction of the State Pollution Control Board and ensure that the industrial units meet the primary effluent standards prescribed by the State Pollution Control Board.
3.15	The State Pollution Control Board will also evaluate the treatment efficiency of the Effluent Treatment Plant (ETP) and its capability of meeting the prescribed standards. The final scheme of treatment would be such as is approved by the Pollution Control Board in the Consent to Establish.
3.16	The project proponents will create an institutional arrangement for the involvement of individual members in the management of the CETP

4. Noise Monitoring And Prevention

S. No	EC Conditions
4.1	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
4.2	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment's.
4.3	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.

5. Waste Management

S. No	EC Conditions
5.1	ETP sludge generated from CETP facility shall be handled and disposed to nearby authorized TSDF site as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
5.2	Non-Hazardous solid wastes and sludge arising out of the operation of the CETP shall be adequately disposed as per the Consent to be availed from the State Pollution Control Board. Non-Hazardous solid wastes and sludge shall not be mixed with Hazardous wastes.
5.3	The CETP shall have adequate power back up facility, to meet the energy requirement in case of power failure from the grid.
5.4	The site for aerobic composting shall be selected and developed in consultation with and to the satisfaction of the State Pollution Control Board. Odour and insect nuisance shall be adequately controlled.
5.5	Any wastes from construction and demolition activities related thereto shall be managed so as to

S. No	EC Conditions
	strictly conform to the Construction and Demolition Waste Management Rules, 2016.
5.6	The solid wastes shall be segregated, managed and disposed as per the norms of the Solid Waste Management Rules, 2016.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
6.2	Provide LED lights in their offices and residential areas

7. Green Belt

S. No	EC Conditions
7.1	Green belt shall be developed in area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

8. Public Hearing And Human Health Issues

S. No	EC Conditions
8.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
8.2	Adequate infrastructure, including power, shall be provided for emergency situations and disaster management.
8.3	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
8.4	Occupational health surveillance of the workers shall be done on a regular basis.

9. Miscellaneous

S. No	EC Conditions
9.1	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

S. No	EC Conditions
9.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
9.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
9.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
9.5	The company shall have a well laid down environmental policy duly approve 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 of reporting infringements/deviation/violation of the environmental/forest/wildlife norms /conditions and/or shareholder's/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
9.6	A separate Environmental Cell 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.
9.7	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
9.8	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
9.9	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.
9.10	The criteria pollutant levels or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
9.11	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of operation by the project.
9.12	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9.13	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to

S. No	EC Conditions
	the Expert Appraisal Committee.
9.14	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
9.15	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.
9.16	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
9.17	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
9.18	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
9.19	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
9.20	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

10. Specific Conditions

S. No	EC Conditions
10.1	PP to set up occupational health Centre for surveillance of the worker's health within and outside the plant on a regular basis. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.

Signature Not Verified

Digitally Signed by : Dr Amardeep Raju
Member Secretary, MoEFCC (EC)

Date: 15/02/2024