



File No: 10/37/2022-IA.III
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date **06/08/2024**



To,

Vice Chairman and Managing Director VCMD
Andhra Pradesh Industrial Infrastructure Corporation
Tower – 1, Plot No – 1, IT Park, Auto Nagar, Mangalagiri – 522 503, Guntur District, Andhra Pradesh
apiicempcell@gmail.com

Subject: The proposal is for development of Industrial Park in area of 1050.45 Ha (2595.74 acres) at Kopparthi, YSR Kadapa District, Andhra Pradesh under VCIC project by M/s Andhra Pradesh Industrial Infrastructure Corporation Limited-Environmental Clearance-reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/AP/INFRA1/477555/2024 dated 31/05/2024 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.	EC24A3101AP5335471N
(ii) File No.	10/37/2022-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
(vi) Sector	INFRA-1
(vii) Name of Project	Development of Industrial Park in area of 1050.45 Ha (2595.74 acres) at Kopparthi, YSR Kadapa District, Andhra Pradesh under VCIC project
(viii) Name of Company/Organization	ANDHRA PRADESH INDUSTRIAL INFRA STRUCTURE CORPORATION
(ix) Location of Project (District, State)	Y.S.R., ANDHRA PRADESH
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The aforementioned proposal was placed before the EAC during its 367th meeting of Expert Appraisal Committee held on 26th June, 2024. The project proponent and EIA consultant M/s Voyants Solutions Pvt. Ltd, Gurugram made presentation through video conference and submitted the following:

4. The proposal is for Development of Kopparthy Industrial Area under VCIC Project with an area of 1050.45 Ha (2595.74 acres) is located at Kopparthy and Tadigotla Village, Chinthakommadinne Mandal, YSR Kadapa District, Andhra Pradesh by Andhra Pradesh Industrial Infra Structure Corporation (APIIC). The Geo-coordinates of project site is located in-between Longitudes 78°43'31.34"E & 78°44'10.57"E and Latitudes 14°28'36.40"N and 14°26'22.35"N.

5. The project/activity is covered under Category 'A' of item 7(c) Industrial estates/ parks/ complexes/ areas, export processing Zones, of Schedule of Environment Impact Assessment (EIA) Notification, 2006. Total project cost is Rs.1273.76 Cr.

6. Terms of References (TOR) Details: The ToR proposal was considered in the 316th EAC meeting held on 15th-16th December 2022, the committee recommended for grant of the ToR, Ministry granted the ToR vide letter No.10/37/2022-IA.III dated 25th January, 2023.

7. Public Hearing Details: Public hearing was conducted on 08th August, 2023 near the Project site, Kopparthy villages Chinthakommadinne Mandal in Y.S.R. Kadapa District, Andhra Pradesh presided by the Joint Collector & Addl. District Magistrate.

8. Land use/ Land cover of project site.

S. No.	Land use/Land cover	Area (ha)	Area (%)	Remarks, if any
1	Agriculture	785.15	74.74	-
2	Waste Land	138.55	13.19	-
3	Water Bodies – River	31.08	2.96	-
4	Water Bodies – Ponds	67.55	6.43	-
5	Rail corridor	18.46	1.76	-
6	Greens	8.48	0.81	-
7	Road	1.18	0.11	-
Total		1050.45	100.00	-

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

Proposed Industry	Industrial Category, CPCB, 2016	Categorization as per schedule, EIA Notification, 2006
Textile and Textile related Industries		
Cotton spinning and weaving (small scale)	Green Category; Org. Sl. No. 15	Exempted
Yarn/Textile processing involving any effluent/emission generating processes including bleaching, dyeing, printing and colouring	Red Category; Org. Sl. No. 84	5(d), category B
Manufacture of articles of fur	Green Category; Org. Sl. No., 34	Exempted
Manufacture of knitted and crocheted apparel	Green Category; Org. Sl. No., 34	Exempted
Engineering Goods		
Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)	Orange Category; Org. Sl. No., 23	Exempted
Cement	Red Category, Org. Sl. No., 7	3(b), category B
Ready mix cement concrete	Green Category, Org. Sl. No., 72	Exempted
Chemical & Petro Chemicals		

Fertilizer (granulation / formulation / blending only)	Orange Category, Org. Sl. No., 26	5(a), category A
Coke making, liquefaction, coal tar distillation or fuel gas making	Red Category, Org. Sl. No., 13	4(b), category A or B
Man-made fibres	Red Category, Sl. No. 47	5(d), category A & B
Manufacturing of paints varnishes, pigments and intermediate (excluding blending/mixing)	Red Category, Org. Sl. No., 45	5(h), category B
Basic chemicals, plastics	Red Category, Sl. No. 25	5(f)
Synthetic rubber excluding moulding	Orange Category, Org. Sl. No., 79	5(f)
Manufacturing of lubricating oils, grease and petroleum-based products	Red Category, Org. Sl. No., 44	5(e)
Reprocessing of waste plastic including PVC	Orange Category, Org. Sl. No., 59	Exempted
Polythene and plastic processed products manufacturing (virgin plastic)	Green Category, Org. Sl. No., 67	Exempted
Bulk Chemicals, Speciality chemicals, Agrochemicals, Petrochemicals, Polymers	Red Category, sl. No. 4, 25, 22, 38, 57	5(c), 5(e), 5(f)
Renewable Energy		
Solar module non-conventional energy apparatus manufacturing unit	White Category, Org. Sl. No., 78	Exempted
Wind Turbine Manufacturing	Fibre Glass- Red category, sl. No. 13 Steel processing - Orange, sl. No. 63	Exempted
Metallic and Non Metallic Mineral Products		
Casting of metals	Orange Category, Org. Sl. No., 28	Exempted
Glass	Orange Category, Org. Sl. No., 45	Exempted
Ceramic Tiles	Orange Category, Org. Sl. No., 34	Exempted
Granite/ Quartz stone	Orange Category, Org. Sl. No., 64	Exempted
Sanitary wares	Orange Category, Org. Sl. No., 22	Exempted
Refractories	Orange Category, Org. Sl. No., 22	Exempted
Basic precious and other non-ferrous metals	Orange Category, Org. Sl. No., 28	Exempted
Auto Components		
Motor vehicles	Red category, sl. No. 2	Exempted
manufacture of trailers, coachwork and semi-trailers	Red category, sl. No. 2	Exempted
Parts and accessories for motor vehicles	Red category, sl. No. 2	Exempted

10. Terrain and topographical features: The general terrain of the project area is plain terrain. The total area covers about 1050.45Ha (2595.74 acres). The area has maximum elevation of 155m towards Southern boundary of the project and lowest elevation i.e. 135 found at Northern part of the project area.

11. Details of water bodies, impact on drainage: The natural drainage flow within the site is from the streams passing through the site (from SW to NE) are originated from outside the project area and after that same streams are flowing towards North East direction to meet the Erramasapalle Vanka. Major water streams flowing within the site will be retained and 9m-15m of green buffer will be provided along the waterbody and stream. Total area identified is 23.31 Ha for green buffer around the streams/waterbody norms. The primary and secondary stream will be retained for natural drainage and surface water flow. As most of the surface flow is not perennial but rain fed, tertiary and quaternary streams would be re-aligned according to the project area drainage requirement.

12. Water requirements: Water requirement during the construction phase will be 100 KLD for development of Infrastructure facilities like roads, office buildings, storm water drains and construction of CETP etc. Water will be sourced from nearest water pools and from village water supply facility for domestic use. Construction water shall be sourced from tanker supply of nearest municipal facility. During operation phase, the total water requirement will be approximately calculated as 21.22 MLD. Permission has been obtained vide G.O.57, accorded for allocation of 0.60 TMC (20 cusecs) for water utilizing the existing infrastructure of RTTP Supply Scheme up to Mydukur. The project will not use ground water.

13. Diversion of forest land: The project doesn't involve any Diversion of Forest Land. The project is not located within 10 km of Protected Areas (PA) including National Parks, Sanctuaries and Tiger Reserves etc. The project is not located within the Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MOEF&CC.

14. Waste Management: Overall estimated 36.71 TPD solid waste will be generated during operational phase. Separate dry and wet waste bins for each unit at ground level will be provided. Non-Biodegradable/dry solid waste will be handed over to authorized recycler or Municipal waste management for further handling & disposal purpose. Biodegradable solid waste will be used for Composting. Industries will ensure that all industrial solid waste generated within their respective facility will be disposed through authorized recyclers/ disposal facility. The Hazardous waste generating from individual industries shall be transferred to TSDF facility, which is almost 33 km away from the project site.

15. CETP details: CETP with capacity of 10.50 MLD (approx.) will be installed at site. The waste water generated from the Industries shall be treated in individual unit for Primary treatment and further transferred to CETP through common Trade effluent drainage system and shall be treated in CETP and reused. Treatment process proposed for CETP will be MBBR. STP details: All the domestic wastewater from non-processing areas will be treated in STP having a proposed capacity of ~4 MLD to meet the discharge requirements using SBR technology. Recycled water from STP proposed would be used for flushing, greenbelt development etc.

16 Details of tree cutting and Green belt development: Total 1500 nos. of trees identified within project area during environmental screening and survey. The Overall 41 trees will be felled for the project. Most of the trees will be retail and prior permission will be taken from local concerned authorities and DFO before felling of trees. Master plan has been prepared in such a manner to maintain the existing trees to the maximum possible extent. In order to raise the green belt around the project area and roads, 532905 sapling of different species of plants/shrubs will be planted. Greenbelt will be developed around the streams/waterbody, project boundary and in the surrounding of village habitation. Total 355.27ha (879.39 acres) i.e. 33.87% of the total industrial estate Green belt/Green space will maintain in the industrial estate APIIC and individual units.

17. Energy conservation measures with estimated saving: Solar power will be sourced through roof-top solar power generation on the buildings of industrial park and the generated power (Approx. 98.43MW) will be used in lighting of common areas and road network. To minimize the petroleum fuel in transportation, use of electric operated vehicle will be promoted at the industrial park.

18. Details of Rain Water Harvesting: Rooftop rainwater harvesting is proposed for the project. Individual units will set up rooftop rainwater harvesting facilities. The surface runoff of open areas will be drained through drainage channels of the project area as per the natural topography of the project area.

19. Land acquisition and R&R issues involved: Overall 976.06 Ha (2411.9 acres) is under possession of APIIC and 74.39Ha (183.84acres) is yet to be acquired.

20. Employment potential: The proposed project would provide direct and indirect employment to approximately 1,48,701 people.

21. Benefits of the project: The proposed project will have significant beneficial impacts on the social infrastructure of the area. Improved income and employment opportunities for local people during construction and operation phase of the project, will significantly contribute to improvement in social infrastructure. The basic objective of developing Kopparthi Industrial Park is attracting investments and thereby improving economic conditions locally and at national level. As it is a national level project, a good number of transportation facilities will be there which will indirectly increase the job opportunities and economic growth of that area. The logistics will be easily available at very low cost due to reduction in transportation cost. This will benefit the economy, both national and local levels.

22. Details of Court cases: Several court cases are pending in Hon'ble High Court of Andhra Pradesh and Local Court, the details are as following: WP No.15302/2016, WP No.1347/2012, WP No.1338/2012, WP No.1285/2012, OS No.550/2020, WP No.1333/2012, OS No. 555/2020, OS No.687/2020, WP No. 1345/2012, WP No.1382/2012, OS No. 592/2020, OS No. 80/2020, WP No.1386/2012, OS No.553/2020, WP No.15036/2020, WP No.15036/2020, WP No.1386/2012, OS No.553/2020, WP No.1386/2012, OS No.553/2020, WP NO.17842/2012, WP No.4039/20215, OS No. 561/2020, OS No.588/2020, OS No.597/2020, OS No.666/2020. Most of the court cases involved in the proposed project for not making the more compensation against their land acquired but under Section 242 of the Right to Fair Compensation and Transparency in Land Acquisition Rehabilitation and Resettlement Act 2013.

23. The EAC, taking into account the submission made by the project proponent had a detailed deliberation in its 367th meeting held on 26th June, 2024 and recommended the project for grant of environment clearance for 'development of Industrial Park in area of 1050.45 Ha (2595.74 acres) at Kopparthi, YSR Kadapa District, Andhra Pradesh under VCIC project by M/s Andhra Pradesh Industrial Infrastructure Corporation Limited' with specific conditions, as mentioned below, in addition to all standard conditions applicable for such projects.

24. 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 and CRZ Clearance for the 'Development of 'development of Industrial Park in area of 1050.45 Ha (2595.74 acres) at Kopparthi, YSR Kadapa District, Andhra Pradesh under VCIC project by M/s Andhra Pradesh Industrial Infrastructure 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.

25. This issues with the approval of the Competent Authority

Copy To

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Room No-268, First Floor, Building No-4, A.P. Secretariat, Velagapudi, Amaravati, Andhra Pradesh-522503.
2. The Inspector General of Forests (C), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Vijayawada Green House Complex, Gopalareddy Road, Vijayawada – 520010, Andhra Pradesh.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Andhra Pradesh Pollution Control Board, Chalamalavaii Street, Kasturibaipet, Vijayawada - 520 010.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6. Guard File/Record File.
7. Notice Board.

Annexure 1

Specific EC Conditions for (Industrial Estates/ Parks/ Complexes/ Areas, Export Processing Zones (Epzs), Special Economic Zones)

1. Specific Conditions

S. No	EC Conditions
1.1	The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.
1.2	The proponent has to comply with the Ministry's OM no. J-11011/321/2016-IA.II(I), dated 27.04.2018 which made it mandatory for certain type of industries to conduct public hearing irrespective of their location within Industrial Area or outside the industrial area.
1.3	In the proposed Industrial Park, an area of 355.27ha (879.3 9acres) is allotted as green area, which covers around 33.87% of the total area, adequate green peripheral buffers (15m) are provided all along the project boundary. However green belt of at least 50 meter width shall be provided around the habitations. A 50 meter thick green belt shall also be provided around the water bodies. However, along the banks of minor streams where sufficient space is not available green belt can be restricted to 15 meter.
1.4	The cutting of trees shall kept at bare minimum and for this the proponent shall obtain permission from the competent authorities. The industrial estate shall plan such that it will avoid cutting old and large and heritage trees if any. And PP shall put more efforts to translocate to the nearest place to avoid the cutting.
1.5	As Committed by the Project Proponent, the Red Category Industries shall be located far away from Residential habitations and water bodies.
1.6	Within the proposed project site there are large size of natural streams/drainage are passing and all the streams/drainage which shall not be diverted and disturbed.
1.7	The PP shall construct a garland drain, with catch pits of appropriate capacity at appropriate distance, all around the industrial estate and also around the water bodies falling within project boundary to prevent runoff of any contaminants/ waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
1.8	Prepare a LOP (Livelihood Opportunities Plan) based on the social Impact assessment, R and R and commitments given and submit along with the the 6 monthly compliance report Set up a Grievance Redressal Mechanism in Place.
1.9	Processed effluents/any wastewater shall not be allowed to mix with storm water, storm water drain shall be provided on tank farm, and solvent transfer through pumps.
1.10	Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water. The non-usable bitumen spoils shall be disposed off in a deep trench providing clay lining at the bottom and filled with soil at the top (for at least 0.5m).
1.11	Sufficient number of Piezometer wells shall be installed in and around the project site to monitor the ground water quality in consultation with the State Pollution Control Board / CPCB. Trend analysis of ground water quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office of MoEF&CC.

S. No	EC Conditions
1.12	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants. Frequent monitoring of groundwater and surface water will be done to ensure that the quality of water is being maintained within the norms the report of the same shall be submitted to the concern IRO, MoEF&CC along with the six monthly EC compliance report.
1.13	The municipal waste shall be disposed to local municipality and industrial waste to nearby Treatment, Storage and Disposal Facility (TSDF) located 150Km away from the site and also to approved/authorized vendors of Andhra Pradesh Pollution Control Board (APPCB). However, waste minimization techniques shall be adopted in order to minimize the generation of wastes.
1.14	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water. Treated affluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done.
1.15	Treated wastewater quality shall be ensured as per standards before using for greenbelt or any other application.
1.16	The PP shall construct a garland drain, with catch pits of appropriate capacity at appropriate distance, all around the industrial estate and also around the water bodies falling within project boundary to prevent runoff of any contaminants/ waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
1.17	Processed effluents/any wastewater shall not be allowed to mix with storm water, storm water drain shall be provided on tank farm, and solvent transfer through pumps.
1.18	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.
1.19	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.
1.20	Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
1.21	Biodiversity conservation plan and mitigation measures prepared by the consultant shall obtained the recommendations from the state forest department and shall get approval/recommendations of the concern state forest department and all commitments made in the biodiversity Management & Conservation Plan shall be implemented in letter and spirit. The status of implementation of Wildlife Management & Conservation Plan shall be submitted to the Regional Office of the Ministry along with 6 monthly compliance reports.

S. No	EC Conditions
1.22	A continuous monitoring programme covering all the seasons on various aspects of the coastal and marine environs need to be undertaken by a competent organization available in the State or by entrusting to the National Institutes/renowned Universities/accredited Consultant with rich experiences in marine science aspects. Monitoring should include sea weeds, sea grasses, mudflats, sand dunes, fisheries, mangroves and other marine biodiversity components as part of the management plan.
1.23	Ground water abstraction shall be as prescribed by the CGWA. A clearance/permission of the CGWA shall be obtained in this regard.
1.24	Rain water harvesting for roof run-off and surface run-off, should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease.
1.25	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. 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.
1.26	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.
1.27	Environmental Clearance recommendations are subject to final orders on pending Court cases.

Standard EC Conditions for (Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones)

1. Statutory Compliance

S. No	EC Conditions
1.1	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 (incase of the presence of schedule-I species in the study area).
1.2	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.
1.3	All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction

S. No	EC Conditions
1.4	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.
1.5	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department 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 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 PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations (one within and three outside the project area at an angle of 120°each), covering upwind and downwind directions.
2.2	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 emission standards.
2.3	Dust collectors shall be deployed in all areas where surface cleaning and painting operations are to be carried out, supplemented by stacks for effective dispersion.
2.4	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
2.5	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

3. Water Quality Monitoring And Preservation

S. No	EC Conditions
3.1	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
3.2	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.

S. No	EC Conditions
3.3	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
3.4	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.

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 equipments.
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.
4.4	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

5. Energy Conservation Measures

S. No	EC Conditions
5.1	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;
5.2	Provide LED lights in their offices and project areas.

6. Waste Management

S. No	EC Conditions
6.1	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
6.2	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
6.3	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

S. No	EC Conditions
6.4	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
6.5	Used 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.

7. Green Belt

S. No	EC Conditions
7.1	An overall green area of at-least 33% of the Industrial Area should be developed with native species. The green area shall be 40% in case of critically polluted area. The project proponent of the Industrial Area shall comply with the additional commitment made by them in the EIA report regarding the development of green belt.
7.2	The Industrial Areas are directed to accordingly allocate the area, to be developed as green cover, to respective individual industrial units so as to achieve the above mentioned condition.
7.3	The individual industrial unit, at the time of obtaining EC, shall bring a letter from the Industrial Area, specifying the area allocated to them to be developed as green cover, as a part of obligation from the Industrial Area.
7.4	Wherever possible, plantations around the periphery of the Industrial Area, in the downwind direction and along the road sides shall be provided for containment of pollution and for formation of a screen between the industrial area and the outer civil area. The choice of plants should include shrubs of height 1 to 1.5 m and tree of 3 to 5 m height. The intermixing of trees and shrubs should be such that the foliage area density in vertical is almost uniform.
7.5	The parameters like selection of plant species, procedure for plantation, density of tree plantation etc shall be as per the CPCB guidelines.

8. Public Hearing And Human Health Issues

S. No	EC Conditions
8.1	Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.
8.2	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.
8.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

S. No	EC Conditions
8.4	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.
8.5	Occupational health surveillance of the workers shall be done on a regular basis.

9. Environment Responsibility

S. No	EC Conditions
9.1	The company 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 of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / 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.
9.2	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.
9.3	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.
9.4	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

10. Miscellaneous

S. No	EC Conditions
10.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
10.2	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.
10.3	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.

S. No	EC Conditions
10.4	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.
10.5	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.
10.6	The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient 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.
10.7	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 production operation by the project.
10.8	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
10.9	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 the Expert Appraisal Committee.
10.10	No further expansion or modifications in the Industrial Area shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
10.11	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.
10.12	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10.13	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
10.14	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.
10.15	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.
10.16	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

11. Specific Conditions

S. No	EC Conditions
11.1	The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

