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File No: 21-8/2010-IA.III  
Government of India  
Ministry of Environment, Forest and  
Climate Change  
IA Division

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Date 30/05/2026



To,

Sudhakar T  
IFFCO KISAN SEZ LIMITED  
Project Office, Village and Post: Racharlapadu, Adjacent to NH-5, Kodavaluru Mandalam., SPSR Nellore, Andhra Pradesh, 524319  
ceoffice@iffcosez.in

**Subject: Development of balance amount of infrastructure development works in the existing 1123.50 (2776.23 acres) of industrial park and inclusion of new industrial sectors at IFFCO Kisan SEZ Nellore Agro Park at Racharlapadu Village, Adjacent to NH-16, Kodavaluru Taluka, SPSR Nellore District, and Andhra Pradesh by M/s IFFCO Kisan SEZ Limited - Environmental clearance regarding.**

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/AP/INFRA1/569949/2 dated 21/02/2026 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC26A3101AP5340579N
(ii) File No.	21-8/2010-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 M/s. IFFCO KISAN SEZ – Multi-Product SEZ & DTA
(vii) Name of Project	Development of Industrial Park at Racharlapadu, Adjacent to NH-16, Kodavaluru Mandal, SPSR Nellore District, Andhra Pradesh
(viii) Name of Company/Organization	IFFCO KISAN SEZ LIMITED
(ix) Location of Project (District, State)	SPSR NELLORE, ANDHRA PRADESH

(x) Issuing Authority

MoEF&CC

(xi) Applicability of General Conditions as per EIA Notification, 2006

No

3. The proposal is for the development of balance amount of infrastructure development works in the existing 1123.50 Ha (2776.23 acres) of industrial park and inclusion of new industrial sectors at IFFCO Kisan SEZ-Nellore Agro Park at Racharlapadu Village, Adjacent to NH-16, Kodavaluru Taluka, SPSR Nellore District, and Andhra Pradesh by IFFCO Kisan SEZ Ltd. The geographical location of the project lies between Latitude:14° 39 '27.23"N to 14° 26.51"N and Longitude: 79° 57 '29.77"E to 79° 59' 43.11"E.

4. M/s IFFCO Kisan SEZ Ltd submitted that the total extent of land owned by IFFCO Kisan SEZ (KSEZ) is 2776.23 Acres which translates to 1123.50 Ha. Details of the land and survey no. wise details issued by Revenue Authorities are submitted by PP. The application for fresh EC was submitted for an extent of 1123.50 Ha and the same has been reflected in TOR issued vide no. TO25A3101AP5644149N dated 01.09.2025, Minutes of the Environmental Public Hearing Meeting held on 30.12.2025. However, in the EC obtained vide file No 21-8/2010-IA.III dated 22.06.2011 and EC under Modernization no. EC22A031 AP173057 dated 28.09.2022 the extent of land was stated as 1111 Ha. This variation is attributed to minor errors in the conversion from Acres to Hectares. Hence, it is clarified to the committee that a fresh EC is being sought for the total extent of land owned by IKSEZ which is 1123.50 Ha (2776.23 Ac.).

5. M/s IFFCO Kisan SEZ Ltd obtained Environmental Clearance for IFFCO Kisan SEZ-Nellore Agro Park at Racharlapadu Village, Kodavaluru Taluka, Nellore District, Andhra Pradesh, vide letter no.21-8/2010-IA-III dated 22.06.2011 for the establishment of Multiproduct SEZ and DTA. Subsequently, Amendment in Environmental Clearance for Modernisation(for the inclusion of additional industrial sectors) under 7(ii) clause of EIA Notification, 2006 was obtained by the Ministry vide letter of even no dated 28.09.2022 over an area of 1111.0ha. Now, the validity of EC had expired and in order to further continue the infrastructural development work and attract investment, IFFCO Kisan SEZ had applied for obtaining fresh EC for the balance amount of works in the 1123.50 Ha (2776.23 Acres) of industrial park. Accordingly the M/s IFFCO Kisan SEZ Ltd has submitted the possession certificate over the area of 2776.23acres by the Revenue Divisional Officer, kavali vide letter no.k.2831/2007 dated 29.08.2008.

6. The proposed project falls under Schedule 7(c) Industrial estates/parks/complexes/ areas, export processing Zones(EPZs), Special Economic Zones, Category 'A' as per the EIA Notification 2006 the cost of the project is estimated to be Rs.87,000 crore.

7. Details of Terms of References: The Terms of References proposal was considered in the EAC in its Meeting held on 409th meeting of the Expert Appraisal Committee (Infra-1) held on 30<sup>th</sup>-31<sup>st</sup> July, 2025 wherein the EAC after a detailed deliberation recommended for grant of ToR, Accordingly Ministry granted the Terms of References vide letter no.21-8/2010-IA.III dated on 1.09.2025.

8. List of Industries: List the existing and newly proposed industrial categories as per the EIA notification, 2006 as amended and CPCB Categorization is as follows:

S. No	Broad Category	Anticipated Types of industries/ activities	Categorization as per EIA Notification 2006	Categorization as per CPCB	Existing or proposed
1	Synthetic organic chemicals industry	Dyes & dye intermediates, bulk drugs & intermediates (excluding drug formulations), herbal medicines, biopharmaceuticals, basic organic chemicals, synthetic rubbers, adhesives, other synthetic organic chemicals and intermediates	Cat B	Orange/ Red	Newly proposed

2	Distillery (Bio-ethanol, ENA, RS) with ZLD	Distilleries for utilization of ethanol for ENA or EBP purpose	Cat- A & B	Red	Newly propose
3	Bio-technology related, Enzymes, etc.	Bioreactor manufacturing, Organic waste digestion manufacturing, Bio-informatics centres, industrial enzyme manufacturing, cheese production etc.	Not applicable	Red/Orange	Newly Propose
4	MSME, Ancillary Units, Textiles & Apparel	Leather, plastics, wood, textiles, apparel, and other materials.	Not applicable	Red/ Orange/ Green/ White	Newly propos
5	Mineral beneficiation	Pre-processing of Minerals	Cat B	Red	Newly propose
6	Petrochemical products	Petroleum products and petrochemical-based processing, such as carbon black, electrode-grade graphite (processes other than cracking & reformation, not covered under complexes)	Cat B	Red	Newly propos
7	Leather/Skin/Hide Processing	Processing units	Cat B	Red/ Orange	Newly propos
8(i)	Building&Construction/Township& Area Development	Residential/Institutional/Administrative Buildings	Cat B	Red	Existin
8(ii)	Building&Construction/Township & Area Development	Buildings/projects with built-up area < or >1,50,000 sq. m including high rise buildings.	Cat B	Red	Newly propos
9(i)	Amenities (Residential/Social Infrastructure)	Administrative buildings, STP	Not applicable	Orange	Existin
9 (ii)	Amenities (Residential/Social Infrastructure)	CETP	Not applicable	Red	Newly propose
10(i)	Light&Heavy Engineering,	Renewable energy products(wind mill blades, solar etc), Light and Heavy Engineering manufacturing products and Agricultural tools & equipment	Not applicable	Orange/Red	Existin
10(ii)	Light & Heavy Engineering, including Renewable/Non-conventional energy products manufacturing units, also includes Solar cells, modules, wafers and ingots and Wind Turbines blades, Defence and Aerospace etc	Heavy machinery, electrical equipment & components, process plants, machine tools, IC engines, industrial consumables & durables, defence & aerospace components	Not applicable	Orange/Red	Newly propose
11	Food & Agri processing, Farm Equipment	Livestock, cereals and pulses, Fruits & vegetables, Integrated dairy, Aquaculture, Meat & poultry industries, Mushroom farms, Medicinal & aromatic plants, feed manufacturing, Nutraceuticals & food additives, Green houses, Nursery, high-tech agri projects	Not applicable	Red/Orange	Existin
12	Aqua processing and derivatives	Processing of prawn/fish & production of chitin and Chitosan and value added products from shell waste	Not applicable	Orange/Red	Existin

13	Nano materials and Nano fertilizers	Nano Technology based products, Nano fertilizers by formulation process	Not applicable	Orange	Existing
14	Non-alcoholic, fruit-based beverages	Non-alcoholic and fruit-based beverages, health and energy drinks	Not applicable	Orange	Existing
15	Electric Mobility and associated products	Electric Mobility and associated products Power storage devices like Li-ion power packs.	Not applicable	Orange/ Red	Existing
16	Electrical & Electronics (including Li-ion & solid-state batteries)	Electrical and electronic goods, communication gadgets, and appliances. Semi- conductors, PCB's etc.	Not applicable	Orange / Red	Existing
17	Warehouse and logistics	Warehouses, Cold Storages, Godowns, Stockyards, Logistic services	Not Applicable	Red	Existing

9. Existing status of the work Completed/Not Completed at the Industrial Park as per the earlier EC.

S.No	Activity	Activities already completed for Infrastructure Development as per the earlier EC	Activities which are still pending to be implemented
1	Compound wall around project site.	27 Km length and 9 feet height compound wall with 2 feet barbed wire fencing on top has been completed as per the SEZ norms for the entire project site.	Completed
2	Office space	36,000 sft project office building has been constructed with ready to use office facilities for investors.	Completed
3	Kanigiri water Supply	Pump house to lift 45,000 KLD capacity water and laying of 14 kms length 900 mm dia twin PSC pipeline water from Kanigiri Reservoir to project site as per the approved design by Irrigation Department.	Completed
4	Power supply to project site	APTRANSCO has established 220KV substation within industrial park to supply power to units set up in the industrial park.	Completed
5	Sewage Treatment plant	16 KLD STP is operational.	Completed. Individual units will have their own STP/ETP as per their requirement. STP shall be scaled up as per the requirement of any new units.
6	Peripheral Roads	21.2 kms	5 kms
7	Internal Road along with storm water drains and utilities	Completed as per requirement of existing units-7.5 Kms	To be developed along with setting up of the new units - 28 Km
8	Entrance Gate Facility	1no	1 no
9	Internal water distribution	1.8 kms	10.4 kms
10	Additional storage pond	1 no (79 acre)	1 no (26 acre)
11	Accommodation facilities total-2550	-	To be taken up as per the requirement of the individual

	units and other required social, environmental, R&D infrastructure, etc.		industries										
12	Green belt	Completed in about 126 Acre.	<p>Greenbelt development of 33% of total area has been mentioned in EIA report (22% by IFFCO and remaining by Individual industries). However, as per Ministry's O.M dated 29.10.2025, Clause –A(i), 'A minimum of 10% of the area of Industrial estate shall be designated as common Green area with dense plantation (i.e 2500 trees per Hectare) to be developed by owner of Industrial estate. This area could either be developed by the project proponent at one location or be earmarked at different locations within the premises in such a manner that it is clearly demarcated and adds up to 10% of the area of the industrial estate. Additionally, the individual member industries located in an industrial estate shall be required to meet the following minimum green belt requirement within its premises:.</p> <table border="1"> <thead> <tr> <th>Category</th> <th>Minimum Green belt Requirement</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>15%</td> </tr> <tr> <td>Orange</td> <td>10%</td> </tr> <tr> <td>Green</td> <td>Optional with no mandatory requirement</td> </tr> <tr> <td>White</td> <td></td> </tr> </tbody> </table>	Category	Minimum Green belt Requirement	Red	15%	Orange	10%	Green	Optional with no mandatory requirement	White	
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Red	15%												
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Green	Optional with no mandatory requirement												
White													

10. Details of Public Hearing: Public hearing was conducted at Nellore district Andhra Pradesh dated on 29/11/2025

S.No	Date of Public Hearing	Detail of Paper advertisement	Venue and Location	Presided by
1.	29/11/2025	Advertisement was published in Amarujala and The Times of India on 20/11/2025	Located at village Kodavalur- District-Spr Nellore Andhra Pradesh.	District Collect

11. Land use/cover: Land use /cover of project site is as given follows.

S. No	Land Use	Area (Acres)	Percentage(%)
1	Total Leasable area (A)	1821	65.59

2	Green belt*	638.28	22.99
3	Roads	187.79	6.76
4	Water Storage Pond	79.26	2.85
5	Utilities	48.08	1.73
6	Pipeline	1.82	0.07
Total Non-leasable (B)		955.23	34.41
Total Area (Acres) A+B		2776.23	100

12. Terrain and Topography: The topography of the site is slightly undulating with a decreasing height gradient from North West to South East from around 27m above Mean Sea Level (+MSL) in the North-Western portion to approximately 12m+MSL in the South East.

13. Details of water bodies: A water storage pond exists within the site, covering an extent of 79 acres. However, industrial operations of the individual units shall adhere to Zero Liquid Discharge (ZLD) to ensure no impact on surrounding water bodies. Additionally, a greenbelt of 30 m width along the site boundary and 50 m width around water storage pond is being developed.

14. Diversion of forestland if any: The proposed project does not involved any forestland. Further, District Forest Officer, SPSR Nellore, Government of Andhra Pradesh vide letter Rc.No.726/2025-F11 dated 07.11.2025 mentioned that Joint inspection was conducted by Revenue and Forest Officials on 02.09.2025 at Kothapalli Reserve Forest, Racharlapadu Section, Kavali Range and during the inspection, both forest and revenue records were thoroughly verified. It was observed and confirmed that the land measuring 978.36 acres allotted to IFFCO lies entirely within 1,698 acres of ceased forest land (transferred to the Revenue Department as per G.O.Ms.No. 798, F&R Development Department, dated 27.10.1977) and does not falls within the present extent of Kothapalli Reserve Forest. The said land forms part of revenue records of Thalamanchi Revenue Village, Kodavalur Mandal, SPSR Nellore District.

15. The project is not located within 10 km of Protected Areas (PA), Eco-Sensitive Zone (ESZ) or Eco-Sensitive Area (ESA) notified by the MoEF&CC. However, as per the baseline ecological study conducted within a 10 km radius of the study area 10 Schedule-1 species (Indian crested porcupine, Indian grey mongoose, Indian Chameleon, Russell's viper, Checkered keelback, Cobra, Rat snake, Bengal monitor, Shikra, Small minivet) are identified.

16. Water Requirements: The projected maximum water requirement during the operation phase of the industrial park is 38.38 MLD. To meet this demand, IKSEZ has established a robust water supply system, drawing primarily from Kanigiri Reservoir under a formal agreement with the Government of Andhra Pradesh, Irrigation & CAD Department. As per Agreement No. 24 SE/2011-12 dated 14.11.2011, IKSEZ is authorized to draw up to 10 MGD ( $\approx$  45.46 MLD) of water from the reservoir, which is adequate to cater the projected requirements of the industrial park. Also 5% of total allocation shall be met from ground water especially during dry phases with prior approval of the competent authority.

17. Details of Tree cutting and green belt development: No tree cutting is envisaged by IKSEZ, individual industries shall obtain necessary approvals if tree cutting is required. Green Belt development: As per the Environmental Clearance dated 28.09.2022 IKSEZ will develop on the whole of 22% i.e, 620 acres (248ha) and individual industries will develop 11% of the greenbelt to achieve the total greenbelt of 33%. Out of which a green belt of 126 acres (49,000 numbers of trees) in and around the boundary of the project area has been developed. As part of the fresh proposal Greenbelt of 10% would be developed by M/s IFFCO Kisan SEZ Ltd, as per the Ministry's OM dated 29<sup>th</sup> Oct 2025 additional 15 % of the green belt would be developed by Red category industries and 10% of would be developed by Orange category industries.

18. Sub-Office of Integrated Regional Office, MoEFCC, Vijayawada, has inspected the site and issued the certified compliance report vide letter no. E-IRO/VIJ/EPA/EC-A/ 101/07-32/2025/257 dated 20.11.2025.

19. Details of Rain Water Harvesting: There are existing storm water drainage networks within the IKSEZ. The collected rainwater therefore will be routed to the existing water pond located at the North West part of IKSEZ and will be utilized. Individual industries will also have their own provisions for harvesting rainwater.

20. Waste Management: The Andhra Pradesh Environment Management Corporation (APEMC), established by

Government of Andhra Pradesh, will serve as the nodal agency for the monitoring of collection, transportation, storage, treatment, processing, and final disposal of industrial and other waste, in coordination with the Andhra Pradesh Pollution Control Board (APPCB). IKSEZ may nominate any such agency for handling the Solid Waste Management. This framework ensures that waste handling within the industrial park remains compliant with applicable rules and regulations. CETP details: Individual units shall have their own ETP based on their effluent characteristics and process type to ensure ZLD. However, a Common Effluent Treatment Plant (CETP) is proposed about 5 acres, with an initial capacity of 5 MLD, to serve multiple units and ensure uniform treatment standards, with the increasing number of industries over the time, the capacity of the CETP shall be increased according to demands and quantum of effluent generated. STP Details: A 16 KLD Sewage Treatment Plant (STP) is already operational within the Industrial Park premises for domestic wastewater. STP of 1500 KLD capacity is proposed to cater to the Township and Amenities area within the park.

21. Land acquisition and R&R issues involved: There is no Land acquisition and R&R involved in the project.

22. Employment opportunity: During full scale operation and occupancy, the development of IFFCO Kisan SEZ (IKSEZ) is expected to generate around 70,000 direct and indirect employment opportunities.

23. Benefits of the project: During full scale operation and occupancy, the development of IFFCO Kisan SEZ (IKSEZ) is expected to generate around 70,000 direct and indirect employment opportunities, attract investments of approximately over Rs. 20,000 Crores across diverse industrial sectors, and provide state-of-the-art infrastructure while maintaining environmental sustainability through 33% greenbelt coverage. The project will foster skill development, technological advancement, regional branding, and socio-economic growth, aligning with national and state industrial policies. Additionally, CSR initiatives will enhance education, healthcare, infrastructure, and community welfare in the surrounding areas.

24. Details of court cases : Some cases (WP 22430/2017 and WP 32225/2017) Pertaining to land acquisition way bill in 1997 and compensation related issues majorly against the State Govt. are pending before the High Court of Andhra Pradesh. More than 25 similar cases were either dismissed or withdrawn earlier.

25. The EAC based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues during 442<sup>nd</sup> meeting during 09<sup>th</sup>-10<sup>th</sup> April, 2026 and **recommended** the project for grant of environmental clearance with stipulated specific conditions along with other Standard EC Conditions.

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) Infrastructure and hereby decided to grant Environmental Clearance for 'development of balance amount of infrastructure development works in the existing 1123.50 Ha (2776.23 acres) of industrial park and inclusion of new industrial sectors at IFFCO Kisan SEZ-Nellore Agro Park at Racharlapadu Village, Adjacent to NH-16, Kodavaluru Taluk, SPSR Nellore District, and Andhra Pradesh by M/s IFFCO Kisan SEZ Ltd' under the EIA Notification, 2006 and C notification, 2011 as amended, subject to strict compliance of the following specific conditions, in addition to standard conditions applicable for such projects.

27. This issues with the approval of the Competent Authority.

## Copy To

1. The Member Secretary, CGWA, 18/11 Jamnagar House Man Singh Road, Central, Delhi, cgwa@nic.in
2. The Member Secretary, CPCB, Parivesh Bhawan Cbd-Cum-Office Complex East Arjun Nagar, East, Delhi, ms.cb.cpcb@nic.in
3. The Deputy Director General, Regional Office, Assistant Inspector General Of Forests (C) Ministry Of Environment Forest and Climate Change Sub Office Vijayawada Green House Gopalareddy Road Vijayawada – 520010 Andhra Pradesh, N/A, Director, Regional Office, Vijayawada, Andhra Pradesh, vijayawada-mefcc@gov.in
4. The Member Secretary, SPCB/PCC, D.No. 33-26-14 D/2 Near Sunrise Hospital Kasturibaipet, Vijayawada, Andhra Pradesh, membersecy@appcb.gov.in

## 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 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 types of industries to conduct public hearings irrespective of their location within the Industrial Area or outside the industrial area.
1.2	The proposed individual units need to take Environmental Clearance separately as per the applicability of the schedule of EIA Notification, 2006.
1.3	Project Proponent (PP) was required to complete the green belt development in accordance with the stipulations of the earlier EC dated 22.06.2011 within a period of one year. However, the PP has not fully completed the green belt development within the stipulated timeframe. Accordingly, the Committee has advised the PP to expedite and complete the remaining plantation at the earliest within 1 year and to submit the status of green belt development as part of the six-monthly EC compliance reports to the concerned Integrated Regional Office (IRO) of the Ministry of Environment, Forest and Climate Change.
1.4	As part of the this instant proposal of balance work the Greenbelt of 10% would be developed by M/s IFFCO Kisan SEZ Ltd, as per the Ministry's OM dated 29 <sup>th</sup> October 2025 additional 15 % of the green belt would be developed by Red category industries and 10% of would be developed by Orange category industries. However while going for green belt over 10 % of project area proposed for fresh EC as per the recent OM , green belt of appropriate width around the water bodies inside the project and green belt along the project boundary and wide green belt in the stretch along the habitation should be ensured. , the part of EC which is completed, needs to have 33% of the green belt.
1.5	Project Proponent shall strive to enhance the Green Belt beyond 33 % and that the trees planted in this regard would be planted under the campaign " एक_पेड़_माँ_के_नाम " and the details of the trees planted would be uploaded on the portal <a href="https://merilife.nic.in">https://merilife.nic.in</a> .
1.6	A water storage pond exists within the site to an extent of 79 Acres. However the entire Industrial operations of individual industries shall be ZLD to ensure no impact on surrounding water bodies. Also Greenbelt 30m wide along the boundary of the site and 50m wide around the water storage pond is being developed.
1.7	The PP shall prepare the conservation plan for schedule-1 species in consultation with the State Forest Department, all the mitigations recommended 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
1.8	The residential area within the SEZ shall be completely segregated from the industrial zone and shall be protected by a dense green belt with a minimum width of 50 meters to act as an environmental buffer.
1.9	Further, siting criteria shall be strictly adhered to, wherein Red Category industries shall be located at a minimum distance of 500 meters from water bodies/storage ponds as well as from residential areas. It is also ensured that no treated or untreated effluent/discharge shall be released into the water body/storage pond.
1.10	The Project Proponent (PP) has submitted the revised budgetary allocation for implementation of Environmental Protection Measures, which includes provisions for Solid Waste Management (segregation, storage, and disposal facilities), greenbelt development by the developer, environmental monitoring (air, water, soil, and noise), and safety and community awareness programmes.
1.11	The total capital cost earmarked for the above environmental measures is 25 Crores, with an annual recurring expenditure of 2.7 Crores for operation, maintenance, and monitoring activities.
1.12	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 the project boundary to prevent runoff of contaminants/ waste into the nearby water bodies. Effluent shall be properly treated and treated wastewater shall conform to CPCB standards.
1.13	Separation of grey and black water should be done by the use of a dual plumbing line for separation of grey and black water. Treated effluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done.
1.14	Storm water control and its re-use as per CGWB and BIS standards for various applications.
1.15	Processed effluents/any wastewater shall not be allowed to mix with storm water, storm water drain shall be provided on tank farms, and solvent transfer through pumps.
1.16	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 4 mts above the highest ground water table.
1.17	A sufficient number of Piezometer wells shall be installed in and around the project site to monitor the groundwater quality in consultation with the State Pollution Control Board/CPCB. Trend analysis of groundwater quality shall be carried out each season and information shall be submitted to the SPCB and the Regional Office.

S. No	EC Conditions
	of MoEF&CC.
1.18	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded and 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.
1.19	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality and leaching of heavy metals and other toxic contaminants.
1.20	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality and 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&CRZ compliance road.
1.21	Ambient air quality monitoring stations should be established in the downward directions as well as where the maximum ground level concentration of PM10, PM2.5, SO2 and NOx are anticipated in consultation with SPCB within and outside the industrial estate area at least at four locations (one within and three outside the perimeter area at an angle of 120°each), covering upwind and downwind directions. 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. Data on ambient air quality and emission shall be regularly submitted to the IRO, MoEF&CC along with the six monthly EC&CRZ compliance road.
1.22	Roofs should meet prescriptive requirements as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfil requirements.
1.23	Opaque walls should meet prescriptive requirements 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. Use of appropriate thermal insulation material to fulfil the requirement.
1.24	A Report on the energy conservation measures conforming to energy conservation norms finalised by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & D Factors etc and submitted to the Ministry in three months' time. Energy conservation of 20% be attained vis-a-vis the conventional consumption in perpetuity, through regular monitoring by competent authority.
1.25	Energy conservation measures like installation of LEDs, CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. 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. Use of solar panels may be done

S. No	EC Conditions
	the extent possible.
1.26	All the recommendations 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 a half yearly compliance report.
1.27	As per the Ministry's Office Memorandum F.No.22-65/2017-IA.III dated 30 <sup>th</sup> 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.
1.28	All other activities including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV, Compensatory Afforestation 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.
1.29	Water demand during development/ construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred to.
1.30	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.
1.31	The diesel generator sets to be used during the development/ construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
1.32	The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from the Chief Controller of Explosives shall be taken.
1.33	Vehicles hired for bringing construction material to the site should be, in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
1.34	Any hazardous waste generated during development/ construction phase, should be disposed of as per applicable rules and norms with necessary approvals of the Andhra Pradesh Pollution Control Board.

## 1. Statutory Compliance

S. No	EC Conditions
1.1	The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan as 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).
1.2	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.
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 carry out 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 SO <sub>2</sub> and NO <sub>x</sub> in reference to SO <sub>2</sub> and NO <sub>x</sub> 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 the 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 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 increase in habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius.

S. No	EC Conditions
	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.
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. Equipments 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 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.
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	The Industrial Areas are directed to accordingly allocate the area, to be developed as green cover, to respect the individual industrial units so as to achieve the above mentioned condition.
7.2	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.
7.3	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.
7.4	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.

S. No	EC Conditions
8.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
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 and 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 and 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.

**Additional EC Conditions**

N/A

