

ENVIRONMENTAL CLEARANCE

SPECIFIC CONDITIONS

Date: 14 .03. 2024

S.N.	CONDITIONS	COMPLIANCE
1	Wastewater generated from each industrial unit in the industrial estate will be provided with pre-treatment before further treatment in the CETP to comply with the treatment standards.	All the industries having their pre-treatment facilities to meet the CETP inlet standards and at the same time we are monitoring before accepting the effluents to CETP
2	Process logical control system with contact stabilization will be implemented for treatment of wastewater.	We have DCS for process control system.
3	The quality of effluent from the CETP will be as per the standards laid down for disposal of treated industrial waste to Sea.	We are maintaining quality of effluent as per the discharge standards. It is monitoring by local PCB
4	The cyanide waste will be collected and treated separately using Hydrogen Peroxide in place of Chlorine.	We have separate treatment facility for Heavy metals & Cyanide effluents. Records are being maintained.
5	Oil and Grease will be removed; treated and disposed properly.	We have provided Belt skimmer system for removal of floating material and same is being collected in a tank. It will be disposed off through Incineration.
6	The bioassay test will be conducted before releasing the treated waste to sea to ensure safety to marine life/ecology.	Being complied, As per PCB Directions we are conducting Bioassay test before releasing into sea and as per PCB directions we have raised work order to NIO for BIOASSAY tests for 1yr. span. Annexure-I
7	Guard Pond of at least one day capacity will be provided to be used as buffer during emergency.	We have 10 guard ponds with 7.45 days holding capacity.
8	The design of Marine Outfall for disposal of final treated effluent will conform to the recommendations of NIO.	Complied
9	Automatic Monitoring System will be installed for proper evaluation of the status of environment and the functioning of various treatment units.	We have installed online monitoring system. Annexure-II
10	Rehabilitation works of the project affected families will be provided as per the policies of the State Government of Andhra Pradesh.	Complied
11	Document on risk analysis and disaster plan will be prepared for onsite and offsite. This will include guide lines for awareness, First Aid, Handling and Storage of Hazardous Raw Materials, Fire Fighting Facility, modes of communication, etc.	We have Onsite emergency plan
12	Sewer lines from each industry to CETP will be properly designed to prevent solid/sludge settling. Over and above provision of flush tanks will be made for clearing any chokes.	All industries inlets connected to the manhole chambers and flushing points provided in lines.
13	Hazardous solid waste will be disposed in properly designed secured landfill sites to prevent pollution of ground water.	Hazardous Wastes are being sent to TSDF
14	Rain water harvesting will be done in the project area taking due precautions so that there is no pollution of the under ground water.	Noted. (Annexure – III)
15	To conserve water, the treated waste water will be recycled reused as shown in the comprehensive water management plan Report.	Noted, We are using the treated water to cooling towers and scrubbers as make up water.
16	Green belt will be provided with plantation of appropriate species of trees around the project area.	Complies (Annexure IV)

17	Flooding of site during monsoon and possibility of storm water getting contaminated with chemicals/spillages will be prevented by diverting storm water to natural drains.	Storm water drains are constructed to avoid flooding to site and to avoid contamination we have provided the containments at all operational Areas. Periodically monitoring ground water quality (Annexure-V)
18	Proper care will be taken to nullify the effect of odour nuisance.	As per the directions of Local PCB we have installed 3 steam strippers to reduce the VOC in the effluents and strippers are in operation.
19	In the effluent treatment plant, devices for removal of oil and grease will be inserted.	Belt Skimmers are provided to remove oil & grease
20	The project proponents will obtain requisite permission/authorization from other concerned authorities such as the State Maritime Authority, VUDA, and CRZ Authority regarding the respective marine outfall and the proposed structures in the CRZ.	Required permission are obtained.
21	Utilization of fly ash in the construction of infrastructure of the various structures of the industrial units may be encouraged.	We are sending fly ash to bricks manufacturing
22	Industrial units which cannot provide bag filter emission control shall obtain the required steam from common generation facility.	We have bag filters for our boilers. Common facilities establishment under progress.
23	The state of art technologies will be installed for flow measurement and characterization before releasing the discharge from a unit into the sewer system.	We have installed magnetic flow meters for effluent discharge & Marine online monitoring system.
24	The parameters for BOD, COD, TDS, phenol, oil & grease, heavy metals and suspended solids will also be included besides P ^H in monitoring the treated effluent.	All these parameters are analysed and monitored by APPCB, before giving clearance for discharge We are also monitoring these parameters. (Annexure-VI)
25	The arrangement for flushing and clearing of sewers shall be such as to preclude settlement of solids in the sewage system.	We have vacuum tanker/ Pressurized system for cleaning of sewage system
26	A condenser shall be installed to recover water from the disposal system of high TDS effluents. The condensate shall be used for the development and maintenance of green belt. In this connection, the project proponents shall furnish a flow diagram showing the water balance for the entire system.	The Condensate is being treated along with the LTDS effluent.
27	Wastes bearing cyanides, persistent Organic Pollutants (POPs) and high concentration of metals shall not be allowed to be discharged into the sewer system but would be transported through tankers and given a batch treatment at the CETP.	We have separate treatment for neutralizing Cyanide and Heavy Metals.
28	The disaster Management Plan shall be prepared and submitted to the local authorities. The project proponent shall keep the Ministry informed about the progress in this regard.	We have Onsite Emergency plan
29	Continuous monitoring should be carried out of the stack emissions from the Thermal Power Plant and the incinerator and also set up atleast one Ambient Air Quality Monitoring Station with the capability to monitor hazardous air pollutants in addition to the normal air quality parameters. The continuous monitoring shall in due course be connected online to the SPCB.	Incinerator emission parameters (Sox, NOx, CO, CO ₂ , HCL, HF and SPM) are monitoring and uploaded to PCB server and we have 3 Nos. of Continuous Ambient Air Quality monitoring stations at Park level and uploading to CPCB & APPCB.

30	The project proponent is further advised to look into the following issues:	
A	Safety and Health of the workers at the CETP (Common Effluent Treatment Plant) and TSDF (Transport, Storage, Disposal Facility)	Yearly health checkup is being conducted and appropriate Personnel Protective Equipment is being provided to all the employees
b	Prevention of pollution from rain water entering from outside or coming from contaminated areas.	Storm water drains provided inside and outside the plant.
c	Use of solar energy and wind power.	We Installed Solar Power plant at Our WTP R&D block & Admin office and connected to grid.
d	Development of Disaster Management Plan including the cyclonic conditions.	complies
e	Setting up of Automatic Continuous Monitoring Stations for air quality at strategic points in atleast three locations at 120 degree angle.	Three Continuous Ambient Air Quality Monitoring stations are installed, monitoring and uploaded to PCB server at park level (Annexure-VII)
f	Encourage units to take appropriate measures for controlling odour	Noted.

GENERAL CONDITIONS

1	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Being followed
2	No further expansion or modifications of the industrial estate shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protections measures, if required.	Noted
3	The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA report.	Being followed
4	Six monthly monitoring reports should be submitted to the Ministry and its Regional Office, Bangalore for review.	Being followed
5	A separate Environmental Management Cell equipped with full fledged laboratory facilities and adequate manpower shall be set up to carry out the environmental management and monitoring functions.	Full-fledged laboratory established with all facilities.
6	The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment & Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Proceeded
7	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore/State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report shall be submitted to monitoring agencies.	Submitting regularly
8	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State	Complied

	Pollution Control Board/Committee and may also be seen at website of the Ministry at http://envfor.nic.in . The advertisement shall be made within 7 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bangalore.	
9	The project authorities shall inform the Regional Office of the Ministry at Bangalore as well as the Ministry at New Delhi the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work. A set of all the documents should be forwarded to the Regional Office of the ministry to undertake monitoring of environmental clearance.	Complied

COMPLIANCE FOR MOF CLEARENCE FROM MOEF

S.N.	CONDITIONS	COMPLIANCE
1	The facilities constructed for the project should not cause any inconvenience or disturbance to the local communities including the fisherman	Necessary systems are in place.
2	Periodic monitoring (once in 2 days) of the water at the discharge point should be carried out to ensure that the discharged are within the norms laid down by the Andhra Pradesh State Pollution Control Board. The above analysis report should be submitted to Andhra Pradesh State Pollution Control Board for necessary action.	The APPCB is collecting samples, analysing the same prior to sanctioning the approval for discharge through Marine outfall. Discharge is in presence of PCB representative only.
3	The Project proponent should ensure that no leakage or discharge of the effluent takes place in the Uppanar river.	Continuous monitoring of MOF line during the discharge time by our operations department is being followed
4	Any change in alignment or expansion of the project should be taken up only after obtaining necessary approvals from the concerned agencies.	Noted
5	Six monthly status reports including effluent quality data etc., should be submitted to Ministry's Regional Office at Bangalore.	Submitting reports every six months