

Lr. No: DFCL/EC-Compliance /01

Dated : 06.2024

To,

Ministry of Environment Forests and Climate Change,

Regional Office, Vijayawada

GJ5P+C75, Buckinghampeta,

Vijayawada.

Andhra Pradesh - 520002

Dear Sir/ Madam,

Sub: Six monthly compliance report on Environmental Clearance -2017 -Reg

Ref: Environmental Clearance F.No. J-11011/657/2007-IA-II(I) dated:6th March,2017

With reference to the above subject, herewith we are submitting the condition wise compliance report of conditions stipulated in Environmental clearance vide order no : F.No. J-11011/657/2007-IA-II(I) dated:6th March,2017 for the period of 1st October'2023 to 31st March'2024

Please find our compliance report in order and kindly acknowledge the receipt.

Thanking you,

Best Regards,

For Deccan Fine Chemicals (India) Pvt Ltd.,



KVL PRaju.

Director-Technical

Enclosures: EC Compliance Report with Annexures

Deccan Fine Chemicals (India) Private Limited

Kesavaram

Compliance report on Environmental Clearance as on 01.10.2023

F.No. J-11011/657/2007-IA-II(I) dated :06th March,2017

Specific Conditions

S. No	EC Condition	Compliance
1.	Electrostatic precipitators and Bag filters and the stack of adequate height shall be provided to Coal fired boilers and Thermic Fluid heaters.	<p>We have obtained approval the 2 X 25 MW, 37 MW co-gen power plants. But based on our requirements, we have constructed and operating 1 X 25 MW Co-Gen Power plant in Phase-I project.</p> <p>Electrostatic precipitators with efficiency of 99.93 % has been installed to 25 MW coal fired boiler and maintain particulate emission less than 30 mg/Nm³. stack provided with 70 mtr height to this boiler</p> <p>Bag filters has been provided to 20TPH & 16 TPH Boilers and stack provided with 40 mtr height to this boiler</p> <p>Online Stack emission monitoring systems installed to Boiler stacks and monitored data is being uploaded to APPCB & CPCB servers continuously.</p> <p>Annexure-I</p>
2.	Gaseous emissions from process are Ammonia, Hydrogen Bromide, Hydrogen Chloride, and Hydrogen sulphide, Sulfur Dioxide, Sulfur Trioxide, Carbon Dioxide, Nitrogen, Oxygen and Hydrogen. Ammonia, Hydrogen chloride, Mercaptans, Hydrogen sulphide, sulphur Dioxide and Sulfur Trioxide gases shall be sent to scrubber in series. Hydrogen bromide gas shall be sent to scrubbers and the resultant effluent shall sent to bromine recovery plant.	<p>56 Numbers of three stage scrubbers with online ph Meters were provided for control of gaseous emissions from manufacturing process.</p> <p>Bromine usage reactors and storage tanks vent connected to caustic scrubbers and Bromine gasses are completely converted as NaBr . The resultant effluent shall be sent to the bromine recovery plant for bromine recovery. The scrubber vent also dipped into caustic soda lye solution for effective removal of bromine in the emissions. Annexure-II</p>
3.	Scrubber shall be provided to Chlor-alkali plant. Tail gas vents shall be connected to a Venturi scrubber and the lean acid formed will be used for absorption of Hydrogen chloride gas in absorber.	<p>Will be provided, when we construct and operate the Chlor alkali plant .</p>
4.	Fugitive emissions in the work zone environment, product, raw materials storage area etc. Shall be regularly monitored. The emissions shall conform to the limits imposed by SPCB.	<p>Fugitive emissions in the work zone environment, product, raw materials storage area, etc. is being monitored by internally and External Authorised agencies once in a month.</p>

[Handwritten signature and stamp]
01/06/24
DECCAN FINE CHEMICALS (INDIA) PVT. LTD.

Deccan Fine Chemicals (India) Private Limited

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Compliance report on Environmental Clearance as on 01.10.2023

S. No	EC Condition	Compliance
		All values are within the below standards.
5.	Odour management plan shall be implemented.	<p>Multi stage condensers with cooling water, chilled water and chilled brine provided on all Reactors to restrict loss of organic solvents at the source itself.</p> <p>Imported dry vacuum pumps with vent condensers are used to eliminate fugitive emissions during vacuum operations.</p> <p>Double mechanical seals provided to all pumps and reactors to ensure zero leakages.</p> <p>Breather valves cum flame arrestors are provided to all solvent storage tanks and provide nitrogen blanketing provided.</p> <p>Reactions and operations is carried out under completely closed conditions with nitrogen blanketing to avoid any kind of emissions causing odour.</p> <p>All vents from equipments are connected to Common vent headers containing odour causing compounds connected to absorption / reactive scrubbers.</p> <p>All Vents are connected to common vent headers and then to scrubbers. Three stage scrubbers are provided and Scrubbers are designed oversized to take care of worst case scenarios</p> <p>Three stage scrubbing system provided with suitable scrubbing media of 99.75% for Ammonia, HCl, SO₂ and are fully operational and appropriate stack height to scrubbers.</p> <p>Preventive Maintenance schedules are strictly followed.</p>
6.	Total fresh water requirement from sea shall not exceed 33.567 MLD for Phase 1 and 47.677 for Phase II and prior permission shall be obtained from the concerned authority.	<p>We ensured that the total water requirement has not exceeded 33.567 MLD for Phase 1 and 47.677 for Phase II</p> <p>At present our sea water consumption is 14038 MLD and monthly water consumption report is being submitted</p>

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Compliance report on Environmental Clearance as on 01.10.2023

S. No	EC Condition	Compliance
		regularly to APPCB, Visakhapatnam. Annexure-III
7.	Effluents shall be segregated as low TDS and high TDS stream. High COD/TDS stream in a stripper followed by multiple effect evaporator (MEE) and agitated thin film dryer (ATFD). The condensate from stripper is sent to Cement plants for co-incineration, while the condensate from MEE and ATFD is mixed with low TDS/COD effluents to be treated in biological system. After treatment waste water will be discharged to the sea through pipeline.	Effluents segregated into High TDS & Low TDS streams at the source of generation. The LTDS & Low COD effluent is being treated in Biological treatment system and followed by Marine disposal through dedicated marine outfall pipeline. High TDS & High COD effluents are treated in Stripper, MEE followed by ATFD. The solid waste is Being disposed off to TSDF facility, Parawada, Visakhapatnam. The condensate from stripper is being sent to Cement plants for co-incineration. The MEE condensate water is taken into biological treatment along with LTDS effluents. Annexure-IV
8.	All the storage tanks shall be provided with breather valves to minimize breathing and evaporation losses.	All the storage tanks & equipment are provided with breather valves and Nitrogen blanketing to minimize the solvents evaporation losses.
9.	The salts from ATFD will be sent to TSDF for disposal. The stripper distillate process residue and solvent residue will sent to cement plants for co -incineration based on acceptability. The evaporation salts and ETP sludge will be sent to TSDF. Waste oil and used batteries from the DG sets will be sent to the authorized recyclers.	Salts from ATFD disposed off to TSDF and Stripper distillate, process/solvent residue is sent to Cement plants for co-processing. Waste oil and used batteries is being sent to the authorised recyclers. Annexure-V
10.	The company shall obtain authorization for collection storage and disposal of hazardous waste under the hazardous waste (management handling and trans-boundary movement) rules, 2008 and amended as on date for management of hazardous wastes and prior permission from SPCB shall be obtained for disposal solid/hazardous waste in the TSDF.Measures shall be taken fire fighting facilities in the case of emergency.	Consent and Authorisation order obtained vide order no: APPCB/VSP/VSP/209/ HO/ CFO/2011- dated 10.01.2024, Valid up to 30.09.2028 Annexure-VI
11.	Fly ash shall be store separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by fallowing along with the storm water. Direct	Fly ash collected in silos and disposed of to local brick manufactures / Cement plants and also used in our site at low level area filling purpose



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S. No	EC Condition	Compliance
	exposure of workers to fly ash & dust shall be avoided.	
12.	<p>Solvent management shall be as follows.</p> <ul style="list-style-type: none"> Reactor shall be connected to chilled brine condenser system Reactor and solvent handling pump shall have mechanical seals to prevent leakages The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95% recovery. Solvents shall be stored in a separate space specified with all safety measures. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. 	<ul style="list-style-type: none"> a. Reactor vents connected to multistage condensers based on the requirement to minimize emissions b. Double Mechanical seals provided to all Reactors and Pumps to ensure leak proof operations. c. Condensers of adequate heat transfer areas are provided to achieve 95% recovery of solvents. d. Dedicated solvent storage tank farms with all safety measures are provided. e. Earthing provided to all equipment f. Flame proof electrical motors and fittings provided in the plant, ware houses and tank farms. Breather valves provided to bulk storage tanks to prevent losses.
13.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories act.	Regular occupational health checkup of employees is in vogue. Records are maintained as required. .OHC has become operational since January 2010. It is manned round the clock by Medical and paramedical staff and caters to accidents cases . Pre medical employment checks to all employees is being done. Medical checks once in a year are being done and respective records are maintained in the prescribed format as per the Factories Act.1948.
14.	All the issues raised during the public hearing/ consultation meeting held on 15th July, 2016 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	CSR activities are being conducted.
15.	at least 5% of the total cost of the project shall be earmarked towards the enterprise social commitment (ESR) based on public hearing issues and item wise details along	Being complied



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S. No	EC Condition	Compliance
	with time bound action plan shall be prepared and submitted to the ministry's regional office	
16.	As proposed, green belt of 76 acre shall be developed with in plant premises with at least 10 meter green wide green belt on all sides along the periphery of the project area, in the downward direction, and along road sides etc. Selection of plan species shall be as per CPCB guidelines IN consultation	Green belt is being developed in 83 acers with 1,28,214 plants Annexure-VII
17.	Isolation of production of pharma and agro product must be ensured under consultation with certified experts.	Pharma Will be construct based on cGMP requirements.
18.	the proposed constructions shall conform to the norms prescribed in CRZ notification issued by ministry of environment and forest ,government of India S.O .NO.19(E) ,dated 06.01.2011	Noted and complied.
19.	No activity on ground shall be under taken without obtaining environmental clearance from the ministry of environment and forest ,government of India S.O.No 19 , dated 19(E) 06.01.2011	Noted
20.	The industry shall submit half yearly monitoring report to the APPCB on the status of terrestrial and marine environment.	Six monthly Environmental Clearance compliance status report is regularly submitted to MoEF &CC, CPCB and SPCB and latest compliance report submitted through online portal on 01.06.2023.
21.	The effluent samples collected from the guard pond before marine out fall should checked periodically for all parameters and compare the results with the standard fixed by the central pollution control board/ A.P pollution control board	The Treated effluent discharged into Sea (marine discharges) is being monitored on regular basis under the supervision of the AP Pollution Control Board officials once in five days and is meeting the standards for marine discharge consistently. Online TOC analyzer is connected to the Treated effluent discharge line at guard ponds and is being monitored continuously. The same TOC analyzer, analyze the COD and BOD as correlation calculation (For factor).software has been provided to check and record COD as well as BOD. Flow meters, pH and TSS analyzers have been provided to marine outfall line and measurements are recorded. The above on line effluent monitoring parameters data are being uploaded to CPCB & APPCB server



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Compliance report on Environmental Clearance as on 01.10.2023

S. No	EC Condition	Compliance
		Annexure-VIII
22.	The project proponent may consider to entrust the work of analysing the sea water including seabed samples collected at the marine discharge point to the agencies that possess the equipment for carrying out such tests to ascertain the quality of effluent discharged in to sea. The monitoring and evaluation of the quality of effluent on physico-chemical and biological studies would be carried out periodically	Condition Noted and will be monitored
23.	The toxicity of the effluent before release need to conform to bio assay test prescribed by the central pollution control board (CPCB) and further the toxicity of the effluent released into the sea is to be measured at 30-32 ppt i.e ambient environmental conditions. There shall not be any mortality to juvenile fish.	<p>CSIR-National Institute of Oceanography (NIO) was carried out Testing of Bio assay test, Trace metals, Organic compounds and dilution test at discharge point in Feb'2023. And NIO officials collected the samples from Guard ponds from June '22 to May'23 for Bio-assay tests, trace metals concentration analysis and organic compound from treated effluents every month and the reports is showing 90%-93 % of the zebrafish were survived after the completion of the experiment and (96 Hours) is in compliance with the CPCB standards.</p> <p>Bio assay tests are carried out in our in-house bio assay laboratory. and Treated effluent meets the standards prescribed by CPCB norms.</p> <p>Online TOC, pH, TSS analyser and flow meter with data recording facility was installed to treated effluent marine disposal pipe line. The recorded monitoring data is being uploaded to CPCB & APPCB servers.</p> <p>Annexure-IX</p>
24.	The efficiency of diffuser should be monitored regularly to ensure proper dilution of effluents. The industry shall discharge effluent at a distance of (-) 10 M below CD irrespective of quantum of effluent generated by industry, to achieve higher rate of dilution .the toxicity of the effluent released in to the sea is to be measured by adopting the end salinity observed at the discharge point	Efficiency of diffusers were checked by NIO at disposal point in Feb'2023 and report was attached
25.	The industry shall submit a detailed report on the physical nature of sea bed including slope of the corridor for its suitability of pipe	Post project monitoring was carried out by NIO in February'2023 and reports was attached



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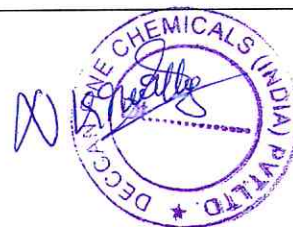
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Compliance report on Environmental Clearance as on 01.10.2023

S. No	EC Condition	Compliance
	line after carrying out detailed engineering investigation.	
26.	The industry shall under take afforestation of lands along the coast using suitable local species to serve as shelter belt and wind breaks to ensure protection of interior areas	Complied
27.	There shall be no disturbance to the free flow water in to the creeks and suitable measures to avert formation of shoals at the mouth of the pampa river.	Complied
28.	There shall be no discharge of untreated sewage or solid waste generated during construction and subsequent operation stage.	Being complied
29.	Collection of sand or any other sub-strata material is prohibited and there shall no disturbance to the sand humps in any manner	Condition noted and Being complied
30.	Full cooperation shall be extended to all inspecting authorities / organizations such as APPCB.NOEF&CC, CPCB and local environment protection organizations.	We always extend full cooperation to all inspecting authorities / organizations such as APPCB.NOEF&CC, CPCB and local environment protection organizations.
31.	Captive power plant will follow all prescribed norms laid down by the MOEF&CC/CPCB	Being followed..

B. General Conditions

S. No.	Specific Conditions	Compliance Status
1	The project authorities must strictly adhere to the stipulations made by the SPCB/state government or any statutory authority.	Noted
2	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and 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 protection measures required if any.	Noted and we ensured to not take up any further expansion or modifications in the plant likely to cause environmental impacts without obtaining prior Environment Clearance from the concerned authority.

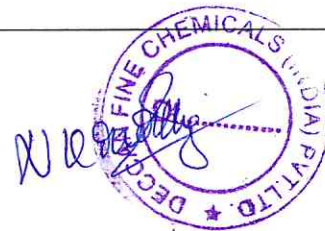


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3	The location of ambient air quality monitoring stations shall be decided in consultation with the SPCB and it shall be ensured that at least one station is installed in the upwind direction down wind direction as well as where maximum ground level concentrations are anticipated.	Continuous Ambient air quality monitoring stations with VOC analyzer has been provided at two locations within the factory premises at down wind direction and upwind direction where maximum ground level concentration is anticipated. PM10, PM2.5, SO2, NOx, HCl, NH3, VOC etc readings are being displayed at factory main gate entrance. The monitoring data is being uploaded into the CPCB & APPCB servers. Annexure-X
4	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing, noise control measures including acoustic hoods, silencers, enclosures etc, on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Necessary actions have been taken care to maintain ambient noise levels within the standard during plant operation. The PPE equipment's have been provided to workers & Employees working in noisy areas. Noise level monitoring is being carried out regularly and reports submitted to APPCB Overall noise levels are within stipulated limits. Noise level in and around the plant area are well within the standards. We have provided noise control measures including acoustic hoods, silencers, enclosures etc—at all noise generation point. Concerned employees have been provided protective equipment like ear plugs etc-- Noise level monitoring reports Enclosed as Annexure -XI
5	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	The site is about 1800 Meters from the Bay of Bengal and water table is very high. Rain water harvesting is not possible because water table is about at 1.5 meters in rainy season. so, it is not possible to provide the rain water harvesting structures.
6	During transfer of materials spillages shall be avoided and gulland drains be constructed to avoid mixing of accidental spillage with domestic waste water and storm water drains.	All liquid materials are handled in completely closed systems with pipe lines and pumps with mechanical seals. Powders are charged with powder caring systems with dust extraction systems. Containment with collection tanks of Production Blocks, Solvent Tank farms and Ware Houses will be provided to avoid / contain the accidental spillages and pumping facility provided to ETP.

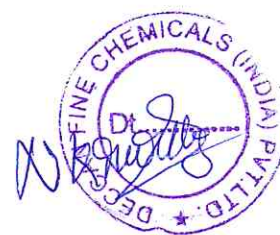


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7	Usage of personal protection equipment's by all employees/workers shall be ensured.	We have maintained necessary Personal Protective Equipment (PPEs) and provided the same to workers and has encouraged and ensured that PPE's are used by workers as per the requirement. PPEs- Helmet, Goggles, Safety Shoes, aprons, safety harness, etc.
8	Training shall be imparted to all employees on safety and health aspects of chemical handling.pre-employment and routine periodical medical examinations for all employees shall under taken regular basis. Training to all employees on handling of chemical shall be imparted .	Trainings has been given to all the workers/ employees on safety, health aspects of chemical handling . Once in a year medical examinations are conducted for all employees working at factory.
9	The company shall also comply with all the environmental protection measures and safe guards proposed in the project report submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Being complied
10	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.	Company is extending CSR activities in the surrounding villages. Organized programmes like Health camps, Supply of Drinking water, Children education rewards to the merit students of Class 5 th to 10 th in six government schools, Distribution of books to the 1000 students, Cyclone relief programmes which is appreciated by District Collector, distribution of sports kits to all the primary and High schools, Provision of utensils and tables at MPP Schools.



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11	The company shall undertake eco-development measures including community welfare measures in the project area for the overall improvement of the environment.	Provided public address systems, provided employment opportunities - 180 persons of surrounding villages who presently are working with the company. Extended financial assistance to the fishermen for purchase & repair of boats / fishing nets etc., actively participated in woman welfare week celebrations and awareness programmes. For eco development the company has taken up waste water management, development of green belt, plantation and utilization of waste as per the guidelines. Besides this company is undertaking community development programme for the welfare of the persons living in neighbouring villages in the form of regular health checkups, providing medical assistance, financial assistance towards infrastructure development (halls, schools, drinking water, etc--
12	A separate environmental management cell equipped with full-fledged laboratory facilities shall be set up carry out the environmental management and monitoring functions	<p>We have already established Environment Management Cell headed by AGM & Supported by Env. Engineer, chemists & Helpers. Head- Environment is directly reporting to Site Head. Environmental laboratory equipped with full-fledged laboratory has been established to monitor environmental quality parameters for Ambient Air, Water, Stack emissions monitoring etc—</p> <p>We have implemented Environmental Management system as per EMS ISO 14001, ISO:9001, ISO: 45001 and ISO 51000 implemented under Integrated Management System.</p> <p>List of Environmental Lab Equipment is enclosed as Annexure –XII</p>
13	The company shall earmark sufficient funds for recurring cost per annum to implement the conditions stipulated by the ministry of environment and forests as well as the state government along with the implementation schedule for all conditions stipulated herein. The funds so earmarked for environment management /pollution control measures shall not be diverted for any other purpose.	Sufficient funds allotted.

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14	A copy of clearance letter shall also be sent by the proponent to concerned Panchayat, Zila Parisad /Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal.	Noted
15	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions, including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. A copy of environmental clearance and six monthly compliance status report shall be posted on the website of the company.	Six monthly Environmental Clearance compliance status report is being submitted regularly to MOEF& CC and SPCB. Last compliance report had submitted through online portal on 01.06.2023 .
16	The environmental statements for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed Under The Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective regional Office of the MOEF by e-mail.	Environmental statement is being submitted regularly to AP Pollution control board. Last Environmental statement submitted on 29.09.2023 to APPCB. Annexure-XIII
17	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the, SPCB and may also be seen at Website of the Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the Ministry's Regional Office.	Complied. As directed we have made the advertisement regarding the environmental clearance was given in the local newspapers i.e The Hindu and Sakshi on 14.03.2017 and the copy of the same was submitted to the concerned regional office and the same is attached as Annexure-XIV
18	The project authorities 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 and The date of start the project.	It is already Complied with..

