Half Yearly Compliance Report
2024
01 Jun(01 Oct - 31 Mar)

Acknowledgment

Proposal Name	Deccan Fine Chemicals (India) Private Limited
Name of Entity / Corporate Office	DVS Narayana Raju
Village(s)	N/A
District	ANAKAPALLI

Proposal No.	IA/AP/IND2/59907/2015
Plot / Survey / Khasra No.	N/A
State	ANDHRA PRADESH
MoEF File No.	J-11011/657/2007-IA-II(I)

Category	Industrial Projects - 3
Sub-District	N/A
Entity's PAN	NA
Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	EC Condition wise compliance report
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office DVS Narayana Raju

	Project Area as per EC Granted	Annual Project Area in Possession
Private	230	230
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	230	230

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	PSI	Tons per Annum (TPA)	30/09/2028	0	5.67	100
2	DETS	Tons per Annum (TPA)	30/09/2028	0	10	10
3	DEDS	Tons per Annum (TPA)	30/09/2028	0	127.19	600
4	Chloransulam Methyl	Tons per Annum (TPA)	30/09/2028	0	163.95	400
5	Diclsulam	Tons per Annum (TPA)	30/09/2028	0	541.84	700
6	Flumetsulam	Tons per Annum (TPA)	30/09/2028	0	163.95	200
7	2,6 Difluoro anilline	Tons per Annum (TPA)	30/09/2028	0	9.85	10
8	Sulfoxaflor	Tons per Annum (TPA)	30/09/2028	0	368.39	800
9	Pyraxalt	Tons per Annum (TPA)	30/09/2028	0	21.40	200
10	Chlorfenapyr	Tons per Annum (TPA)	30/09/2028	0	380.09	1000
11	EAP	Tons per Annum (TPA)	30/09/2028	0	30.36	50
12	Mandipropamid	Tons per Annum (TPA)	30/09/2028	0	10.09	400
13	CTCM CP	Tons per Annum (TPA)	30/09/2028	0	309.80	500
14	CVPMS	Tons per Annum (TPA)	30/09/2028	0	42.33	100
15	MAT28	Tons per Annum (TPA)	30/09/2028	0	85.45	200
16	PITAM	Tons per Annum (TPA)	30/09/2028	0	17.61	150
17	Tefuryltrione	Tons per	30/09/2028	0	13.60	100

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Human Health Environment	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the factories act.
PPs Submission: Complied 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.		Date: 22/06/2024
2	AIR QUALITY MONITORING AND PRESERVATION	Electrostatic precipitators and Bag filters and the stack of adequate height shall be provided to Coal fired boilers and Thermic Fluid heaters.
PPs Submission: Complied We have obtained approval the 2 X 25 MW, 1 X 37 MW Co-gen power plants. But based on our present requirements, we have installed and operating 1 X 25 MW Co-Gen Power plant in Phase I project. Electrostatic precipitators with efficiency of 99.93 percentage 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 Bag filters has been provided to 20TPH , 16 TPH Boilers and stack provided with 40 mtr height to this boiler		Date: 19/06/2024
3	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied 56 Numbers of three stage scrubbers with online ph Meters were provided for control of gaseous emissions from manufacturing process. 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		Date: 22/06/2024
4	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied Will be provided, when we construct and operate the Chlor alkali plant		Date: 20/06/2024
5	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied 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. All values are within the below standards		Date: 22/06/2024

6	AIR QUALITY MONITORING AND PRESERVATION	Odour management plan shall be implemented

PPs Submission: Complied 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. Imported dry vacuum pumps with vent condensers are used to eliminate fugitive emissions during vacuum operations. Double mechanical seals provided to all pumps and reactors to ensure zero leakages. Breather valves cum flame arrestors are provided to all solvent storage tanks and provide nitrogen blanketing provided. Reactions and operations is carried out under completely closed conditions with nitrogen blanketing to avoid any kind of emissions causing odour. All vents from equipments are connected to Common vent headers containing odour causing compounds connected to absorption or reactive scrubbers. 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 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. Preventive Maintenance schedules are strictly followed.	Date: 21/06/2024

7	Statutory compliance	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.

PPs Submission: Complied We ensured that the total water requirement has not exceeded 33.567 MLD for Phase 1 and 47.677 for Phase II At present our sea water consumption is 11582 MLD and monthly water consumption report is being submitted regularly to APPCB, Visakhapatnam	Date: 22/06/2024

8	WATER QUALITY MONITORING AND PRESERVATION	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.

PPs Submission: Complied Effluents segregated into High TDS and Low TDS streams at the source of generation. The LTDS and Low COD effluent is being treated in Biological treatment system and followed by Marine disposal through dedicated marine outfall pipeline. High TDS and 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	Date: 22/06/2024

9	Risk Mitigation and Disaster Management	All the storage tanks shall be provided with breather valves to minimize breathing and evaporation losses.

PPs Submission: Complied All the storage tanks and equipment are provided with breather valves and Nitrogen blanketing to minimize the solvents evaporation losses	Date: 22/06/2024

10	WASTE MANAGEMENT	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.

PPs Submission: Complied	Date:

Salts from ATFD disposed off to TSDF and Stripper distillate, process and solvent residue is sent to Cement plants for coprocessing. Waste oil and used batteries is being sent to the authorised recyclers		22/06/2024
11	Statutory compliance	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
PPs Submission: Complied 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		Date: 22/06/2024
12	WASTE MANAGEMENT	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 exposure of workers to fly ash & dust shall be avoided.
PPs Submission: Complied Fly ash collected in silos and disposed of to local brick manufactures and also used in our site at low level area filling purpose		Date: 22/06/2024
13	WASTE MANAGEMENT	Solvent management shall be as follows. • 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.
PPs Submission: Complied 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 percentage 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.		Date: 22/06/2024
14	PUBLIC HEARING	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.
PPs Submission: Complied All issues raised during the public hearing are being implemented continuously through CSR activities		Date: 22/06/2024
15	Corporate Environmental Responsibility	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 with time bound action plan shall be prepared and submitted to the ministry’s regional office
PPs Submission: Complied Being complied		Date: 22/06/2024

16	GREENBELT	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

PPs Submission: Complied Green belt is being developed in and around the factory premises in 80 acers with 105,000 plants	Date: 22/06/2024

17	MISCELLANEOUS	Isolation of production of pharma and agro product must be ensured under consultation with certified experts

PPs Submission: Complied At Present Pharma Production not started and Pharma Will be construct based on cGMP requirements.	Date: 22/06/2024

18	Marine/Coastal	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

PPs Submission: Complied Complied and followed as per CRZ notifications	Date: 22/06/2024

19	Statutory compliance	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

PPs Submission: Complied Complied and Condition noted	Date: 22/06/2024

20	Statutory compliance	The industry shall submit half yearly monitoring report to the APPCB on the status of terrestrial and marine environment.

PPs Submission: Complied 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 02.01.2024.	Date: 22/06/2024

21	Statutory compliance	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

PPs Submission: Complied The Treated effluent discharged into Sea 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 .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 and APPCB serve	Date: 22/06/2024

22	Marine/Coastal	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
PPs Submission: Complied Post project monitoring was carried out by NIO at Marine Discharge point and surrounding 10 KM radius area sea water samples collected and analsysed and reports was attached		Date: 22/06/2024
23	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied CSIR National Institute of Oceanography NIO was carried out Testing of Bioassay test, Trace metals, Organic compounds and dilution test at discharge point And NIO officials collected the samples from Guard ponds from June 2022 to May 2023 for Bioassay tests, trace metals concentration analysis and organic compound from treated effluents every month and the reports is showing 90 to 93 percentage of the zebrafish were survived after the completion of the experiment period 96 Hours is in compliance with the CPCB standards. Bio assay tests were carried out in our inhouse bio assay laboratory. and Treated effluent meets the standards prescribed by CPCB norms. 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 and APPCB servers.		Date: 22/06/2024
24	Marine/Coastal	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
PPs Submission: Complied Efficiency of diffusers were checked by NIO at disposal point to ensure proper dilution of effluent . As per the NIO report , Rhodamine WT tracer was used to determine dilutions at and around the MOP of Ms Deccan Fine Chemicals (India) Private Limited in the coastal waters off Kesavaram. During the time of discharge initial dilutions at MOP varied from 155 to 293 times mean:-224 to that of the Rhodamine WT concentrations in guard pond. These dilutions are higher than the minimum initial dilutions of 150 times specified by the CPCB		Date: 22/06/2024
25	Marine/Coastal	The industry shall submit a detailed report on the physical nature of sea bed including slope of the corridor for its suitability of pipe line after carrying out detailed engineering investigation.
PPs Submission: Complied Post project monitoring was carried out by NIO and reports was attached		Date: 22/06/2024
26	MISCELLANEOUS	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
PPs Submission: Complied Complied and Noted		Date: 22/06/2024
27	MISCELLANEOUS	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.
PPs Submission: Complied Condition Noted and Complied		Date:

		22/06/2024
28	WASTE MANAGEMENT	There shall be no discharge of untreated sewage or solid waste generated during construction and subsequent operation stage
PPs Submission: Complied Sewage water taken into ETP and being complied		Date: 22/06/2024
29	MISCELLANEOUS	Collection of sand or any other sub-strata material is prohibited and there shall no disturbance to the sand humps in any manner
PPs Submission: Complied Condition noted and complied		Date: 22/06/2024
30	Statutory compliance	Full cooperation shall be extended to all inspecting authorities / organizations such as APPCB.NOEF&CC, CPCB and local environment protection organizations.
PPs Submission: Complied We always extend full cooperation to all inspecting authorities , organizations such as APPCB.NOEFCC, CPCB and local environment protection organizations.		Date: 22/06/2024
31	Statutory compliance	Captive power plant will follow all prescribed norms laid down by the MOEF&CC/CPCB
PPs Submission: Complied Being followed and complied		Date: 22/06/2024

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	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.
PPs Submission: Complied Environmental Clearance letter sent to concerned Panchayat, Municipality and local body.		Date: 22/06/2024
2	Statutory compliance	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.
PPs Submission: Complied 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 02.01.2024 .		Date: 22/06/2024
3	Statutory compliance	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.
PPs Submission: Complied Environmental statement is being submitted regularly to AP Pollution control board. Last Environmental statement submitted on 29.09.2023 to APPCB		Date: 22/06/2024
4	Statutory compliance	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
PPs Submission: Complied 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		Date: 22/06/2024
5	Statutory compliance	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.
PPs Submission: Complied It is already Complied with conditio		Date: 22/06/2024
6	Corporate Environmental Responsibility	The company shall undertake eco- development measures including community welfare measures in the project area for the overall improvement of the environment.
PPs Submission: Complied 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 and repair of boats and 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 neighboring villages in the form of regular health checkups, providing medical assistance, financial assistance towards infrastructure development (halls, schools , drinking water, etc		Date: 22/06/2024
7	Human Health Environment	Usage of personal protection equipment's by all employees/workers shall be ensured.
PPs Submission: Complied We have maintained necessary Personal Protective Equipment and provided the same to workers and has encouraged and ensured that PPEs are used by workers as per the requirement. PPEs Helmet, Goggles, Safety Shoes, aprons, safety harness, etc.		Date: 22/06/2024
8	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the SPCB/state government or any statutory authority.
PPs Submission: Complied		Date:

Condition noted and being complied			22/06/2024
9	Statutory compliance	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.	
PPs Submission: Complied 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.			Date: 22/06/2024
10	AIR QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: Complied 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 and APPCB servers			Date: 22/06/2024
11	Noise Monitoring & Prevention	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).	
PPs Submission: Complied Necessary actions have been taken care to maintain ambient noise levels within the standard during plant operation. The PPE equipments have been provided to workers and Employees working in noisy areas. 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 is being carried out regularly and reports submitted to APPCB			Date: 22/06/2024
12	MISCELLANEOUS	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 .	
PPs Submission: Complied Trainings has been given to all the workers and employees on safety, health aspects of chemical handling . Once in a year medical examinations are conducted for all employees working at factory.			Date: 22/06/2024
13	Risk Mitigation and Disaster Management	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	

PPs Submission: Complied Being complied		Date: 22/06/2024
14	Corporate Environmental Responsibility	The company shall undertake CSR activities and all relevant measures for improving the socio-economic conditions of the surrounding area.
PPs Submission: Complied 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 5th to 10th 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.		Date: 22/06/2024
15	MISCELLANEOUS	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.
PPs Submission: Complied 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		Date: 22/06/2024
16	Risk Mitigation and Disaster Management	During transfer of materials spillages shall be avoided and garland drains be constructed to avoid mixing of accidental spillage with domestic waste water and storm water drains.
PPs Submission: Complied 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.		Date: 22/06/2024
17	WASTE MANAGEMENT	A separate environmental management cell equipped with full-fledged laboratory laboratory facilities shall be set up carry out the environmental management and monitoring functions
PPs Submission: Complied We have already established Environment Management Cell headed by AGM and Supported by Envronmental 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 We have implemented Environmental Management system as per EMS ISO 14001, ISO9001, ISO45001 and ISO 51000 implemented under Integrated Management System		Date: 22/06/2024
18	Risk Mitigation and Disaster Management	The company shall enmark 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.
PPs Submission: Complied Sufficient funds alloted		Date: 22/06/2024

Visit Remarks

Last Site Visit Report Date:	28/12/2022
Additional Remarks:	Indirect heating and Cooling system for Reactor, Dryer Jacket for heating and Cooling application for inherent safety. This system saves the energy and control the temperature as per process requirement. To avoid overheating of mass inside the reaction vessel where the material is temperature sensitive w.r.t Environment, safety and quality. This also helps to avoid mixing of utilities such as Steam , Cooling Water , Chilled Water and Chilled Brine. Dry vacuum pumps installed in place conventional vacuum systems like steam ejectors ,water ring Vacuum pumps ,oil ring vacuum pumps to completely recover solvents , raw materials and emissions from the vent of vaccum systems. . Vent condensers are provided at the outlet of dry vacuum pumps to condense organic vapours and recycle within the plant. No manual handling of raw materials and finished products for handling powders. Manholes, handholes of Reactors are not opened for charging powders. . Deccan uses Powder transfer system , glove boxes, drum containment systems, hopper with double valve charging systems with local dust extraction facilities to avoid dust emissions. Nitrogen is used as motive fluid to hazards of static electricity and fire. Closed Packing System for finished product unloading with earthing to avoid exposure and static electricity. All liquid materials are handled in completely closed systems with pipe lines and pumps with double mechanical seals. Some raw materials are transferred from drums by using air operated diaphragm pumps in closed hoods. Vents of closed hoods are also connected to common vent header to scrubber World Class Process Automation Plants: ABB and Siemens Distributed Control Systems DCS were placed for each production blocks and tank farm operations. Both Basic Process Control System and Redundant Safety Instrumented System interlocks are provided as an outcome of Risk Assessments. Total 09 DCS control rooms with I O count of 1.26 Lakhs and Filed instruments such as Temperature transmitters, Pressure transmitter, Level Transmitters, Flow Meters, pH meters, Control Valves, ON OFF Valves), Proximity Sensor of measuring agitator speed, Empty Level Switches High Level Switches, Pressure Switches, Flow Switches, Gas detection sensors and Load Cells.