

Half Yearly Compliance Report**2024****01 Dec(01 Apr - 30 Sep)****Acknowledgement**

Proposal Name	Expansion of synthetic organic chemical manufacturing unit by M/s Deepak Nitrite Limited, Hyderabad Specialties Division, Unit-II		
Name of Entity / Corporate Office	Deepak Nitrite Limited Unit-II		
Village(s)	NA		
District	MEDCHAL MALKAJGIRI		
Proposal No.	TG/IND3/2664182022	Category	Industrial Projects - 3
Plot / Survey / Khasra No.		Sub-District	Anand Rural
State	TELANGANA	Entity's PAN	*****7468A
MoEF File No.	J-11011/210/2019-IA-II(I)	Entity name as per PAN	DEEPAK NITRITE LIMITED

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	
Reporting Period	01 Dec(01 Apr - 30 Sep)

Details of Production and Project Area

Name of Entity / Corporate Office	Deepak Nitrite Limited Unit-II	
	Project Area as per EC Granted	Actual Project Area in Possession
Private	1.12	1.12
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	1.12	1.12

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Di-Nitro Stilbene Di-Sulphonic Acid (DNSDA)	Tons per Annum (TPA)	31/07/2026	13752	3101.21	6238.8

Conditions

General Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	No raw material/solvent prohibited by the concerned regulatory authorities from time to time, shall be used.
PPs Submission: Complied No solvents are used in the process		Date: 27/12/2024
2	AIR QUALITY MONITORING AND PRESERVATION	To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines
PPs Submission: Complied Air pollution control equipment are provided to emission source w		Date: 27/12/2024
3	Statutory compliance	Solvent management shall be carried out as follows: 1.Reactor shall be connected to chilled brine condenser system. 2.Reactor and solvent handling pump shall have mechanical seals to prevent leakages. 3.The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 95percentage recovery. Solvents shall be stored in a separate space specified with all safety measures. 4.Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. 5.Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. 6.All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
PPs Submission: Complied All reactor are connected to chilled brine condenser system, solvent are handling with mechanical seal type pump to prevent leakage and solvents are stored in dedicated area		Date: 27/12/2024
4	WATER QUALITY MONITORING AND PRESERVATION	Total fresh water requirement shall not exceed 107 cum/day, proposed to be met from Hyderabad Metropolitan Water Supply Sewerage Board (HMWSSB). Prior permission in this regard shall be obtained from the concerned regulatory authority. 107 cum/day, proposed to be met from Hyderabad Metropolitan Water Supply Sewerage Board (HMWSSB). Prior permission in this regard shall be obtained from the concerned regulatory authority
PPs Submission: Complied Total water consumption are in the limits		Date: 27/12/2024
5	Statutory compliance	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer through pumps.
PPs Submission: Complied All hazardous chemical are stored in tank in dedicated area, and no flammable chemical are used in the plants		Date: 27/12/2024
6	WASTE MANAGEMENT	Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic evaporation salt

		shall be disposed off to the TSDF.
PPs Submission: Complied MEE salts are sending to TSDF		Date: 27/12/2024
7	Statutory compliance	Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, shall be obtained from the State Pollution Control Board
PPs Submission: Complied Consent for Establishment has been issued by state pollution board on 21.02.2022 and amendment on 05.09.2022		Date: 27/12/2024
8	Statutory compliance	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
PPs Submission: Complied We are operating ZLD plant and unrecovered salts are sending to TSDF		Date: 27/12/2024
9	WASTE MANAGEMENT	Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to
PPs Submission: Complied Hazardous waste are sending to TSDF as per consent for operation.		Date: 27/12/2024
10	AIR QUALITY MONITORING AND PRESERVATION	National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R.608(E) dated 21st July, 2010 and amended from time to time shall be followed. Fugitive emissions shall be controlled at 99.98 percentage with effective chillers
PPs Submission: Complied Following as per National emission standard guideline		Date: 27/12/2024
11	WATER QUALITY MONITORING AND PRESERVATION	Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
PPs Submission: Complied Rain water are collected in the separate storage tank which is of 150 KL to avoid mixing with process effluents.		Date: 27/12/2024
12	GREENBELT	The green belt of at least 5-10 m width shall be developed in nearly 33 percentage 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.
PPs Submission: Complied Industry has developed greenbelt in the area of 33 percentage inside and compensatory green belt at pipeline road, IDA jeedimetla in their company own land		Date: 27/12/2024
13	AIR QUALITY MONITORING AND	Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the

	PRESERVATION	pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
PPs Submission: Complied Stack emission data are connected to SPCB server		Date: 27/12/2024
14	WASTE MANAGEMENT	Fly ash should be stored separately as per CPCB guidelines so that it may not adversely affect the air quality. Direct exposure of workers to fly ash and dust should be avoided.
PPs Submission: Complied Fly ash are stored in the bunker to avoid exposure		Date: 27/12/2024
PPs Submission: Complied Fly ash are stored in the bunker to avoid exposure		Date: 27/12/2024
15	Statutory compliance	The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
PPs Submission: Complied Trem card and MSDS are provided along with manifest to the vehicle which are carrying hazardous waste and other materials.		Date: 27/12/2024
16	Human Health Environment	Occupational health surveillance including dental check up of the workers shall be done on a regular basis and records maintained as per the Factories Act.
PPs Submission: Complied Dental check up was involved in annual medical check up		Date: 27/12/2024
17	AIR QUALITY MONITORING AND PRESERVATION	No Asbestos, in any form, shall be used in the plant premises
PPs Submission: Complied No asbestos sheet are used in the plant		Date: 27/12/2024
18	Statutory compliance	The company shall undertake waste minimization measures as below:- 1.Metering and control of quantities of active ingredients to minimize waste. 2.Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. 3.Use of automated filling to minimize spillage 4.Use of Close Feed system into batch reactors. 5.Venting equipment through vapour recovery system. 6.Use of high pressure hoses for equipment clearing to reduce wastewater generation.
PPs Submission: Complied A. Flow meter and load cell are installed for measuring/metering of raw material and chemical. B. Spent acid generated in the stage1 process is reused in stage2 and 3 for neutralization and acidification. C. Automation and control valve are installed to maintain the required flow and all the storage tank are equipped with float sensor to avoid overflow/spillage. D. Process stage are		Date: 27/12/2024

connected to multistage scrubber E. Using high pressure hose jet pump to reduce waste generation.		
19	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
PPs Submission: Complied Various fire fighting equipment are provided to reduce fire hazard		Date: 27/12/2024
20	Corporate Environmental Responsibility	At least 1Percentage of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office.
PPs Submission: Complied Will be followed		Date: 27/12/2024
21	AIR QUALITY MONITORING AND PRESERVATION	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
PPs Submission: Complied All DG sets and stack height are provided as prescribed by CPCB		Date: 27/12/2024
22	Statutory compliance	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. 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		Date: 27/12/2024
23	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/ or any other statutory authority.
PPs Submission: Complied Will be followed		Date: 27/12/2024
24	AIR QUALITY MONITORING AND PRESERVATION	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
PPs Submission: Complied Will be followed as per National emission standard guideline.		Date: 27/12/2024
25	Statutory compliance	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated

PPs Submission: Complied Fixed Ambient air quality monitoring station are placed at main gate and regular air monitoring are performed by third party consultation and report are submitting to TSPCB RO every month		Date: 27/12/2024
26	Statutory compliance	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEFCC, the respective Zonal office of CPCB and 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 month compliance report are submitting through pravish online portal and same are submitted to SPCB		Date: 27/12/2024
27	Corporate Environmental Responsibility	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.
PPs Submission: Complied Noted		Date: 27/12/2024
28	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/Committee and may also be seen at Website of the Ministry at http://moef.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 concerned Regional office of the Ministry
PPs Submission: Complied Noted and circulated in news paper as mentioned		Date: 27/12/2024
29	Statutory compliance	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions
PPs Submission: Complied Integrated QC lab are provided about laboratory facilites		Date: 27/12/2024
30	Statutory compliance	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/ 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 A copy of clearance letter was given in local body and NGO		Date: 27/12/2024
31	WATER QUALITY MONITORING AND PRESERVATION	The Company shall harvest rainwater from the roof tops of the buildings to recharge ground water, and to utilize the same for different industrial operations within the plant.

PPs Submission: Complied Rain water collection pit of 5kl and storage tank 150kl provided to collect the rain water.		Date: 27/12/2024
32	Risk Mitigation and Disaster Management	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.
33	Noise Monitoring & Prevention	The overall noise levels in and around the plant area shall be kept well within the standards 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 Enclosure are provided for all sound emission equipment and regular monitoring are carried out and submitted to SPCB		Date: 27/12/2024
34	Risk Mitigation and Disaster Management	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.
PPs Submission: Complied Regular training are conducting on chemical handling and various other topics and medical examination are carrying out on regular basis		Date: 27/12/2024
35	Statutory compliance	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
PPs Submission: Complied Will be followed		Date: 27/12/2024
36	Statutory compliance	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted 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 environmental clearance conditions shall also be sent to the respective Regional offices of MoEFCC by e-mail.
PPs Submission: Complied Form -V was submitted every year at regional office and head office of SPCB		Date: 27/12/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		

Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

