

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

Proposal Name	Modernization with Change in Product Mix of Existing Synthetic Organic Chemicals and Allied Products Manufacturing unit by Deepak Nitrite Limited at Plot No. K-9 and K-10, MIDC Industrial Area Taloja, District Raigad (Maharashtra) - Environmental Clearance		
Name of Entity / Corporate Office	Deepak Nitrite Limited		
Village(s)	Devichapada		
District	RAIGAD		
Proposal No.	IA/MH/IND2/61070/2016	Category	Industrial Projects - 2
Plot / Survey / Khasra No.	Plot No K - 9 & K - 10, MIDC Taloja	Sub-District	Panvel
State	MAHARASHTRA	Entity's PAN	NA
MoEF File No.	J-11011/367/2016-IA-II(I)	Entity name as per PAN	NA

Compliance Reporting Details

Reporting Year	2024
Remarks (if any)	Submission of Half Yearly Environmental Compliance Status Report for the period of 01-October-2023 to 31-March-2024.
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office Deepak Nitrite Limited

	Project Area as per EC Granted	Annual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	1.3109	1.3109
Total	1.3109	1.3109

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Toluidine (ortho or meta or para)	Tons per Annum (TPA)	28/02/2029	1800	674.7	1500
2	Xylidine (2,3/2,4/2,5/2,6/3,5/3,4)/ Xylidine Derivatives as Xylenol (2,3/2,4/2,5/2,6/3,5/3,4)	Tons per Annum (TPA)	28/02/2029	3540	505.4	2400
3	Cumidine (Ortho or Meta or Para)	Tons per Annum (TPA)	28/02/2029	3240	2019.3	2400
4	Phenylenediamine (Ortho or Meta or Para)	Tons per Annum (TPA)	28/02/2029	600	0	360
5	Dimethylcyclohexanone (DMCH)	Tons per Annum (TPA)	28/02/2029	5100	1092.3	3600
6	Aminobenzotrifluoride (Ortho or Meta or Para)	Tons per Annum (TPA)	28/02/2029	1800	962.8	4320
7	Benzhydrol/ Cyclohexenylethylamine-CHEA/ Homoveratrylamine-HVA/ 4- (2-Methoxyethyl) Phenol-4MEP	Tons per Annum (TPA)	28/02/2029	1200	0	1020
8	Butanol,3-Methyl Anisole,Aniline,4-Bromo-3-Methyl Anisole/ Nitroxylene/ Nitrocumene/ Nitrotoluene	Tons per Annum (TPA)	28/02/2029	0	0	1680

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	GREENBELT	Green belt of at least 10 m width shall be developed along the periphery of the plant (excluding the existing building/storage area) with three layers of trees. At least 33 percentage of the area shall be developed/compensated as green area with trees.
PPs Submission: Complied Request Letter submitted to MIDC, Mahape for permission of development of green belt along the periphery of industry. Plantation of 150 nos. of tree done in the available area.		Date: 18/07/2024
2	WATER QUALITY MONITORING AND PRESERVATION	Fresh water requirement shall be restricted to 271 m3/day.

<p>PPs Submission: Complied Average daily consumption of water for last six months is 84.73 m3/day.</p>		<p>Date: 18/07/2024</p>
3	Statutory compliance	Locally available raw materials shall not be stored for more than three days.
<p>PPs Submission: Complied All Raw materials which are being procured locally are stored for 3 days only. 2,6 Xylenol is imported and stored at site only for 3 days.</p>		<p>Date: 18/07/2024</p>
4	Statutory compliance	Unit shall have an environment management cell with full-fledged laboratory and an Environmental Manager having Post-Graduate/Graduate qualification in Environmental Sciences/Environmental Engineering.
<p>PPs Submission: Complied Environment management cell with full-fledged laboratory facility is provided and Environmental Manager having postgraduate/ graduate qualification in Environmental Sciences were appointed.</p>		<p>Date: 19/07/2024</p>
5	Statutory compliance	Enterprises Social Commitment (ESC) plan shall be implemented with at least 5 percent of the expansion cost.
<p>PPs Submission: Being Complied 1. Identified nearest school for drinking water requirement and RO plant under procurement and will be installing soon. 2. Also identified 3 School Girls of the BPL Family for Monthly Scholarship of each Rs.1000.</p>		<p>Date: 19/07/2024</p>
6	Statutory compliance	The by-products which fall under the Hazardous Waste Rules, be handled as per the provisions of the said Rules and necessary permissions shall be obtained under the said rules.
<p>PPs Submission: Complied Noted and wherever applicable will be complied as per the statutory requirements.</p>		<p>Date: 19/07/2024</p>
7	WASTE MANAGEMENT	Solid Waste shall be handled as per the provisions of the Solid Waste Management Rules, 2016 and necessary permissions shall be obtained under the said rules.
<p>PPs Submission: Complied Solid waste is handled as per the permissions taken under Consent to Operate for CIPM No. Format1.0/AS(T)/UAN No. MPCBCONSENT- 0000191059/CR/2402001562 dtd.20.02.2024) and are being complied accordingly.</p>		<p>Date: 19/07/2024</p>
8	ENERGY PRESERVATION MEASURES	Smart energy conservation equipment (like LED/solar light) shall be installed in the factory and premises.
<p>PPs Submission: Complied LED lights are provided at 85 locations (almost all the site) and around 401 Nos. of LED fittings installed.</p>		<p>Date: 19/07/2024</p>
9	ENERGY PRESERVATION MEASURES	The PP shall meet part of power requirement from solar power/renewable energy source.
<p>PPs Submission: Complied Successfully installed solar roof top in the month of March'24 with total capacity of 40 kW. Total solar energy generated and same consumed during the compliance period is 1451 kWh.</p>		<p>Date: 19/07/2024</p>
10	GREENBELT	The project proponent shall plant and maintain 10000 trees/year for

		five years in the nearby villages/areas.
PPs Submission: Complied 50 Ha land taken from DFO, Shahapur, Maharashtra to develop green belt at post Shalavali. Various Type of about 44440 nos. tree planted in the month of July 2019 and 2020 under Phase- I and II respectively and remaining 11110 nos. tree planted in July 2021 at post Shelavali under phase -III.		Date: 18/07/2024
11	Statutory compliance	Continuous online (24 x 7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the 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. In case of the treated effluent to be utilized for irrigation / gardening, real time monitoring system shall be installed 'at the ETP outlet.
PPs Submission: Complied Continuous online (24 x 7) monitoring system installed in the unit. Data uploaded on website and provided to the respective RO of MoEF and CC, CPCB and MPCB whenever required.		Date: 18/07/2024
12	WASTE MANAGEMENT	Hazardous Waste shall be handled and disposed as per the provisions of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules,2016 and necessary permissions shall be obtained under the said rules.
PPs Submission: Complied Hazardous waste is handled as per the permission taken under Consent to Operate for CIPM No. Format1.0/AS(T)/UAN No. MPCBCONSENT- 0000191059/CR/2402001562 dtd.20.02.2024) Obtained from MPCB and which is valid up to 28.02.2029 and its handling is complied well within given criteria.		Date: 19/07/2024
General Conditions		
Sr.No.	Condition Type	Condition Details
1	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: Agreed to Comply Noted and we will notify authorities in case of any expansion or modifications in future.		Date: 19/07/2024
2	AIR QUALITY MONITORING AND PRESERVATION	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 station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
PPs Submission: Complied Locations of ambient air quality monitoring stations are decided in consultation with MPCB. Monitoring is done at both upwind and downwind locations.		Date: 19/07/2024
3	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. Training to all employees on handling of chemicals shall be imparted.	
<p>PPs Submission: Complied</p> <p>1. Daily safety toolbox conducting at shop floor, safety trainings conducting as per plan to update the knowledge of employee and to make safe practices. About 450 man-hours are covered under SHE trainings and various topic like SHE Aspects of Chemical Handling, chemical emergency handling, firefighting, First Aid treatment, Chemical compatibility, process safety management etc.</p> <p>2. Ensuring pre-employment medical examinations and based on fitness certificate selecting employee. Periodic medical checkup conducting for annual basis for all employees and six monthlies for employee working in hazardous chemical area. Last periodic medical checkup conducted in the month of Feb. 2024</p>			Date: 19/07/2024
4	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 of the project.	
<p>PPs Submission: Agreed to Comply</p> <p>Noted and we will inform the Regional Office as well as the Ministry.</p>			Date: 19/07/2024
5	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 followed.	
<p>PPs Submission: Complied</p> <p>National Ambient Air Quality Emission Standards are followed as per the requirement and report of same is attached herewith.</p>			Date: 19/07/2024
6	AIR QUALITY MONITORING AND PRESERVATION	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 dB (daytime) and 70 dB (nighttime).	
<p>PPs Submission: Complied</p> <p>Identified high noise area of boiler and DG, Acoustic enclosure provided to DG sets, silencer provided at high noise equipment, displayed signage, and provided /made mandatory to use earmuff and plug to employee working in high noise area. Monitoring done Quarterly and observed average value within limit.</p>			Date: 19/07/2024
7	WATER QUALITY MONITORING AND PRESERVATION	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.	
<p>PPs Submission: Complied</p> <p>Rainwater harvesting system installed at two locations 1. Drumming Area 2. Utility No rain between month of October'24 to March'24 hence no rainwater harvesting between given months.</p>			Date: 19/07/2024
8	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 and shall also be sent to the respective Regional Offices of MoEF and CC by e-mail.	

<p>PPs Submission: Complied Environmental Statement in Form- V for year 2022-23 submitted on 23.09.2023. EC copy, Environment Statement and half yearly compliance report put on the DNL website.</p>		<p>Date: 19/07/2024</p>
9	Statutory compliance	The project authorities must strictly adhere to the stipulations made by the State Government, Central Pollution Control Board. State Pollution Control Board and any other statutory authority.
<p>PPs Submission: Complied All statutory compliance is adhered as per the stipulations made by the statutory authorities.</p>		<p>Date: 19/07/2024</p>
10	Risk Mitigation and Disaster Management	The company shall also 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 and risk mitigation measures relating to the project shall be implemented.
<p>PPs Submission: Complied We have provided certain safety measures as. 1 All Electrical Fittings: FLP confirming to Class C 2 Hydrogen and Hydrocarbon Gas Detectors provided at Cascade trolley shed. 3 Operations are controlled through DCS: with inbuilt safety interlocks. 4 Flame Detectors: installed near the hydrogen vent, also Nitrogen and steam snuffing arrangement made near flame arrestor. 5 Safety Relieve valve, Rupture Disk, Breather Valve provided at respective tanks and reactors. Compliance Status 1 Pressure Reducing stations: with periodical checks 2 Manual Call Point provided at respective points. 3 Smoke and heat detectors provided at MCC, PCC and chemical storage area for early detections and warning.</p>		<p>Date: 19/07/2024</p>
11	Corporate Environmental Responsibility	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
<p>PPs Submission: Complied Efforts taken under CSR activities to improve socio-economic conditions of the surrounding area. Some of the activities listed below. Mobile health center, Integrated child development, tree plantation, drinking water facility etc.</p>		<p>Date: 19/07/2024</p>
12	Corporate Environmental Responsibility	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.
<p>PPs Submission: Complied Cost provision made for EC condition compliance and dedicated budget provided for environmental management / pollution control measures.</p>		<p>Date: 19/07/2024</p>
13	Statutory compliance	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
<p>PPs Submission: Complied EC copy published in local newspaper and copy shared to local legal bodies.</p>		<p>Date: 19/07/2024</p>
14	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 MoEF and CC, 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 monthly reports is submitted for the status update of compliance stipulated in EC. Previous EC compliance report submitted on 01.12.2023.		Date: 19/07/2024
15	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 Advertisement Published in local 2 Nos. of Newspapers Details enclosed in General Condition No.12		Date: 19/07/2024
16	Corporate Environmental Responsibility	The company shall undertake all relevant measures for improving the socio-- economic conditions of the surrounding area. ESC activities shall be undertaken by involving local villages and administration.
PPs Submission: Complied Efforts taken under CSR activities to improve socio-economic conditions of the surrounding area. Some of the activities listed below. Mobile health center, Integrated child development, tree plantation, drinking water facility etc.		Date: 19/07/2024
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		
<p>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.</p>		