F. No. J-11011/367/2016-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi -3
Dated: 3rd January, 2018

To

M/s Deepak Nitrite Limited
Plot No. K-9 and K-10,
MIDC Industrial Area Taloja,
District **Raigad** (Maharashtra)

Sub: Modernization with change in product mix of existing Synthetic Organic Chemicals and Allied Products manufacturing unit by M/s Deepak Nitrite Limited at Plot No. K-9 and K-10, MIDC Industrial Area Taloja, District Raigad (Maharashtra) - Environmental Clearance - reg.

Sir,

This has reference to your online proposal no. IA/MH/IND2/61070/2016 dated 27thApril, along with project documents namely, EIA/EMP Report for the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project 'Modernization with change in product mix of existing Synthetic Organic Chemicals and Allied Products manufacturing unit' (1500 TPM to 1440 TPM) by M/s Deepak Nitrite Limited at Plot No. K-9 and K-10, MIDC Industrial Area Taloja, District Raigad (Maharashtra).

3. The details of existing and proposed products are as under:-

S No.	Existing Products	Quantity (TPM)
1	**Aromatic Amines**: Toulidines (Ortho/ Meta/Para) Xylidines, O-anisidne, Cumidines (Ortho/ Para) Phynelene, Di-amine (Ortho/ Para) Chloro Aniline Meta (Ortho/Para) Dimethyl Amino Benzoic Acid, Dimethyl Cyclohexanone	1500
	Total	**1500**

S No.	Proposed Products	Quantity (TPM)
1	Toulidines (Ortho / Meta / Para)	150
2	Xylidines (2,3/2,4/2,5/2,6/3,5) OR Xylidine Derivatives as Xylenols (2,3/2,4/2,5/2,6)	295
3	Cumidines (Ortho / Para)	270
4	Phynelene Di-amine (Ortho / Para)	50
5	Dimethyl Cyclohexanone (DMCH)	425
6	3 Amino BenzoTrifluoride (3-ABTF)	150
7	Benzhydrol OR	100

8	Cyclohexenylethylamine (CHEA) OR	
9	Homoveratrylamine (HVA) OR	
10	4-(2-Methoxyethyl) Phenol.(4 MEP)	
	Total	**1440**

4. The existing land area is 13109 m^2, and no additional land will be required for the proposed project. Green belt of 4328 m^2 is proposed to be developed in the premises. The total project cost is Rs.41.24 crores, including existing investment of Rs.33.78 crores.

5. There are no National parks, Wildlife sanctuaries, Biosphere reserves, Tiger/Elephant reserves, Wildlife corridors etc. within 10 km distance from the project site. Kasardi river is flowing at a distance of 400 m in south direction.

6. Total fresh water requirement is 319 m^3/day and will be met from MIDC water supply.

Effluent generated (75 CMD) will be treated in existing ETP plant having primary, secondary and tertiary treatment. Treated effluent will be sent to CETP for disposal.

Power requirement will be 1228 kw and will be met from Maharashtra State Electricity Distribution Co Ltd (MSEDCL). Existing unit has a DG set of 750 KVA capacity and no additional DG sets will be required for the proposed project.

Existing unit has two boilers having capacities 4 TPH & 5 TPH and one thermopack of 2 lac.kcal/hr fired on furnace oil. Thermopac & 5 TPH boiler has common stack of 32 m and for 4 TPH boiler, separate 32 m stack is provided.

7. All Synthetic organic chemicals industries located in notified industrial area/estate are listed at S.N. 5(f) under Category 'B'. The terms of reference (ToR) was issued vide Ministry's letter dated 28th February, 2017 exempting public consultation as per Section 7(i), III. Stage (3), Para (i)(b) of EIA Notification, 2006.

8. The proposal for environmental clearance (EC) was placed before the EAC (Industry-2) in its 23rd meeting held during 3-5 May, 2017 and 25th meeting held during 5-7 July, 2017 in the Ministry. The project proponent and their consultant M/s Goldfinch Engineering Systems Private Limited presented the EIA/EMP report as per the ToR. The Committee found the EIA/ EMP Report to be satisfactory and in consonance with the presented ToR. The Committee has recommended the proposal for grant of environmental clearance.

9. Subsequent to recommendations of the sectoral EAC, and SEIAA in Maharashtra not functional for the present, the proposal for environmental clearance to the project was taken forward in the Ministry.

10. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project **'Modernization with change in product mix of existing Synthetic Organic Chemicals and Allied Products manufacturing unit'** by M/s Deepak Nitrite

Limited (1500 TPM to 1440 TPM) at Plot No. K-9 and K-10, MIDC Industrial Area Taloja, District Raigad (Maharashtra), under the provisions of the EIA Notification, 2006 and the amendments made therein, subject to the compliance of terms and conditions, as under:-

(i) Locally available raw materials shall not be stored for more than three days.

(ii) Greenbelt of atleast 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 % of the area shall be developed/ compensated as green area with trees.

(iii) The project proponent shall plant and maintain 10000 trees/year for five years in the nearby villages/areas.

(iv) Continuous online (24x7) 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.

(v) Fresh water requirement shall be restricted to 271 m^3/day.

(vi) Smart energy conservation equipments (like LED/solar light) shall be installed in the factory and premises.

(vii) The PP shall meet part of power requirement from solar power/renewable energy sources.

(viii) 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.

(ix) 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.

(x) 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.

(xi) 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.

(xii) Enterprises social commitment (ESC) plan shall be implemented with atleast 5 % of the expansion cost.

10.1. The grant of environmental clearance is subject to compliance of other generic conditions, as under:-

(i) 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.

(ii) 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.

(iii) 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.

(iv) 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.

(v) 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).

(vi) 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.

(vii) 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.

(viii) 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.

(ix) 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.

(x) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(xi) 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.

(xii) 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.

(xiii) 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&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.

(xiv) 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&CC by e-mail.

(xv) 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.

(xvi) 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.

11. The Ministry may revoke or suspend the clearance, at subsequent stages, if implementation of any of the above conditions is not satisfactory.

12. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

13. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention &. Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991, read with subsequent amendments therein.

3/1/2018

(S. K. Srivastava)
Scientist E

Copy to:-

1. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai- 32
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-1
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd & 4th Floor, Opp. Cine Planet, Sion Circle, Mumbai-22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bagh Road, New Delhi – 3
6. Guard File/Monitoring File/Website/Record File

3/1/2018

(S. K. Srivastava)
Scientist E