



F. No. J-11011/123/2016-IA II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

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By Speed Post/Online

Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi - 110003

Dated: 8<sup>th</sup> February, 2021

To

**M/s Vadivarhe Speciality Chemicals Ltd**

Gut No.204, Nashik-Mumbai Highway  
A/P Vadivarhe, Taluka Igatpuri  
District Nashik, Maharashtra-422403

Email: [universal\\_associates@ymail.com](mailto:universal_associates@ymail.com)

**Sub: Expansion of Manufacturing of Bulk Drug & Intermediates from 12.85 TPM to 34.8658 TPM at Gut No.204, Nashik-Mumbai Highway, A/P Vadivarhe, Taluka Igatpuri, District Nashik, Maharashtra by M/s Vadivarhe Speciality Chemicals Ltd – Environmental Clearance- reg.**

Sir,

This has reference to your proposal No. IA/MH/IND2/87354/2016 dated 5<sup>th</sup> October, 2019 and the Ministry's e-office no.150254 for environmental clearance (EC) to the project for Expansion of Manufacturing of Bulk Drug & Intermediates from 12.85 TPM to 34.8658 TPM by M/s Vadivarhe Speciality Chemicals Ltd in an area of 12500 sqm located at Gut No.204, Nashik-Mumbai Highway, A/P Vadivarhe, Taluka Igatpuri, District Nashik, Maharashtra, as per the provisions of Ministry's Notification S.O.804 (E) dated 14<sup>th</sup> March, 2017. The project also involves production of 25000 nos heater machines.

2. The Ministry's Notification dated 14<sup>th</sup> March, 2017 provides for appraisal of projects for grant of terms of reference/environmental clearance, which have started the work on site, expanded the production beyond the limit of environmental clearance, or changed the product mix without obtaining prior environmental clearance under the EIA Notification, 2006.

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

S.No	Product	Existing (TPM)	Proposed (TPM)	Total (TPM)
<b>Group A-Orthoesters</b>				
1	Trimethylortho Propionate	0.25	---	0.25
2	Tributylortho Propionate	0.10	---	0.10
3	Trimethylortho Valerate	0.20	---	0.20
4	Trimethylortho Butyrate	0.05	---	0.05
5	Trimethylortho Benzoate	0.05	---	0.05
6	Tributylortho Valerate	0.25	---	0.25
7	TrimethylOrthoacetate	---	0.04	0.04
8	Aloe Vera juice (Stabilised)	---	8.33	8.33
9	Lecithin powder	---	0.008	0.008

10	Sodium Thioglycolate (powder)	0.10	---	0.10
11	Calcium Thioglycolate (powder)	0.10	---	0.10
12	Ammonium Thioglycolate (solution)	---	0.08	0.08
13	5-Bromo,5-Nitro,1:3 Dioxane	---	0.004	0.004
14	Brij (Wax)	3.00	---	3.00
15	Hydol (Wax)	3.00	---	3.00
16	Stereoamido propyl dimethyl amine (wax) (SAPDMA)	3.00	---	3.00
<b>Group B- Indole Derivatives</b>				
17	Indole-3-methanol (Indole-3-carbinol)	---	0.008	0.008
18	Indole-3- carboxylic acid	---	0.008	0.008
19	Indole-5- carboxylic acid	---	0.008	0.008
20	3-(Demethylaminomethyl)Indole (Gramine)	---	0.0008	0.0008
21	Indole-3-carboxaldehyde (Indole-3- aldehyde)	---	0.008	0.008
22	3- Cyanoindole	---	0.008	0.008
23	Heck Coupled Product	---	0.008	0.008
<b>Group C - Speciality Chemicals</b>				
24	Quinoline-6- Carboxylic acid	---	0.08	0.08
25	Di methyl Malonic acid	---	0.008	0.008
26	4-Chloro-3-Nitroanisole	---	0.08	0.08
27	1-Bromo-4-tert butyl benzene	0.50	---	0.50
28	Sodium Hippurate hydrate	---	0.08	0.08
29	4-Morpholinoaniline	---	0.008	0.008
30	N-Benzylglycine ethyl ester	---	0.04	0.04
31	6-Methoxyquinoline	---	0.008	0.008
32	1-Bromo-2-methyl propane	---	0.004	0.004
33	Cheamide	---	0.41	0.41
34	L-Cystine disodium Salt	---	0.008	0.008
35	Tert-Butoxy-bis (dimethyl amino)methane (Bredereck's reagent)	0.20	0.1963	0.3963
36	Propionyl chloride	---	0.04	0.04
37	3-Aminophthalhydrazide sodium salt	0.05	---	0.05
38	Phenyl phosphate disodium salt	---	0.008	0.008
39	3-Aminophthalhydrazide (Luminol)	0.20	---	0.20
40	Chloro Atavaquinone	---	0.008	0.008
41	Immidazolyl acetic acid	---	0.0082	0.0082
42	4-Aminomorpholine	0.40	---	0.40
43	2-Amino-4-HydroxyAcetophenone Hydrochloride	---	2.66	2.66
44	Ethyl Atropate (EA)	0.50	---	0.50
45	N-N Dimethyl Formamide Dimethyl Acetal (DMFDMA)	0.20	---	0.20
46	Ethyl-N-Dodecanoyl-L-Arginate Hydrochloride	0.50	---	0.50
47	Misc. Chemicals in R & D Lab	0.20	---	0.20



<b>Group D – Active Pharma Ingredients</b>				
48	Methdilazine hydrochloride	---	0.04	0.04
49	Phenylepherin Hydrochloride (PPH)	---	0.04	0.04
50	Adapalene	---	0.0005	0.0005
51	Tazarotene	---	0.002	0.002
52	Glimepiride	---	0.025	0.025
53	Telmisartan	---	0.05	0.05
54	Rosuvastatin Calcium	---	0.75	0.75
55	Montelukast sodium	---	0.05	0.05
56	Olanzapine	---	0.05	0.05
57	Moxifloxacin hydrochloride	---	2.00	2.00
58	Topiramate	---	0.25	0.25
59	Risperidone	---	0.05	0.05
60	Olopatadine hydrochloride	---	0.004	0.004
61	Escitalopram oxalate	---	0.10	0.10
62	Brimonidine tartrate	---	0.0015	0.0015
63	Strontium ranelate	---	0.10	0.10
64	Nepafenac	---	0.0008	0.0008
65	Desloratidine	---	0.20	0.20
66	Olmesartan Medoxomil	---	0.008	0.008
67	Nitazoxanide	---	0.25	0.25
68	Atorvastatin calcium	---	2.00	2.00
69	Bromfenac sodium	---	0.0015	0.0015
70	Febuxostat	---	0.25	0.25
71	Prasugrel hydrochloride	---	0.01	0.01
72	Alcaftadine	---	0.0003	0.0003
73	Cinacalcet hydrochloride	---	0.008	0.008
74	Dapoxetine hydrochloride	---	0.025	0.025
75	Dimethyl Fumarate	---	0.01	0.01
76	Losartan Potassium	---	1.50	1.50
77	Pitvastatin Calcium	---	0.005	0.005
78	Flavoxate hydrochloride	---	0.005	0.005
79	Flovoxamine Maleate	---	0.05	0.05
80	Timolol maleate	---	0.005	0.005
81	Ketoprofen	---	0.41	0.41
82	Clopidogrel Bisulfate	---	0.041	0.041
83	Tetrabenazine	---	0.01	0.01
84	Agomelatine	---	0.01	0.01
85	Rupatadine Fumarate	---	0.10	0.10
86	Lymecycline	---	0.20	0.20
87	Dexketoprofen trometamol	---	1.00	1.00
88	Trospium chloride	---	0.008	0.008
89	Dronedarone hydrochloride	---	0.08	0.08
90	Lurasidone hydrochloride	---	0.0008	0.0008
91	Milrinone	---	0.0001	0.0001
92	Pramipexole dihydrochloride	---	0.0005	0.0005
93	Pregabalin	---	0.10	0.10
94	Teriflunamide	---	0.005	0.005
95	Roflumilast	---	0.0001	0.0001

96	Solefenacin succinate	---	0.0002	0.0002
97	Tolperisone hydrochloride	---	0.008	0.008
98	Clonidine HCL	---	0.0004	0.0004
99	DarifenacinHBr	---	0.004	0.004
100	Doloxetine HCL	---	0.041	0.041
	<b>Total</b>		<b>12.85</b>	<b>22.018</b>
				<b>34.868</b>

### By- Products

S.No.	By-product	Existing (TPM)	Proposed (TPM)	Total (TPM)
1.	Hydro Bromic Acid (30% Solution)	0.17	0.001	0.171
2.	Ammonium Chloride	0.25	0.08	0.33
3.	Acetone	0	10.00	10.00
4.	Ethyl Acetate	0	18.64	18.64
5.	Isopropyl Alcohol	0	40.00	40.00
6.	Methanol	0	112.34	112.34
7.	Methylene Dichloride	0	13.88	13.88
8.	Acetic Acid (40%)	0	0.1	0.1
9.	DAP (30%)	0	1.1	1.1
10.	Aluminium Chloride Solution	0	3	3
	<b>Total</b>	<b>0.42</b>	<b>196.141</b>	<b>196.561</b>

4. The land area available for the plant is 12500 sqm, which will cater to the proposed expansion. Industry has developed greenbelt in an area of 4600 sqm covering 36.8% of total project area. The estimated project cost is Rs 36.00 crores including existing investment of Rs 21.00 crores. Total capital cost earmarked towards environmental pollution control measures is Rs 1.90 crores and the recurring cost (operation and maintenance) will be about Rs 0.29 crores per annum. The project will provide employment for 150 persons after expansion. Fund allocation for Corporate Environment Responsibility (CER) of Rs. 27.90 lakhs to be implemented as per the details submitted to the Ministry and to be spent in three years.

5. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc within 10 km from the project site. Mukane Dam is located 2.69 km (SW) from the project site.

6. Total water requirement is estimated to be 54.41 cum/day, which includes fresh water requirement of 37.92 cum/day, proposed to be met from Mukane Dam water supply through tankers. Effluent of 24.71 cum/day will be treated in ETP followed by RO and MEE. There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Power requirement after expansion will be 450 KVA and will be met from Maharashtra State Electricity Distribution Corporation limited (MEPDCL). Existing unit has one DG set of 250 KVA capacity, which is used as standby unit during power failure. Stack (height 6 m above roof) has been provided as per CPCB norms.

Existing unit has 2 TPH briquette fired boiler, with a stack of height of 30 m for controlling the particulate emissions within the statutory limit of 115 mg/Nm<sup>3</sup>.



7. The project/activities are covered under category A of item 5(f) 'Synthetic organic chemicals industry' of the Schedule to the Environment Impact Assessment Notification, 2006, and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. The project proposal was considered by the Expert Appraisal Committee (Industry-2) in its meeting held during 26-29 December, 2016 for Terms of Reference (ToR) and based on the recommendations, ToR was issued on 22<sup>nd</sup> March, 2017 by the Ministry. The proposal for environmental clearance (EC) was not considered due to the reported violation, and the project proponent was asked to submit the proposal under violation category.

The project proposal was considered by the Expert Appraisal Committee (violation) in its meetings held during 21-24 October, 2018 and 29-31 January 2019 and recommended Terms of References (ToRs) for the Project. The ToR has been issued by Ministry vide letter dated 19<sup>th</sup> July 2019. Public hearing for the project has been conducted by the Maharashtra State Pollution Control Board on 28<sup>th</sup> June, 2017, which was presided by the Additional District Collector. Main issues raised during public hearing are related to women empowerment, adequacy of existing waste water treatment facility, hazardous waste, waste water management, etc.

9. It was informed that the project proponent has not obtained prior environmental clearance for its existing operations, and is in operation in violation of the provisions contained in the EIA Notification, 2006. It was reported that the unit has obtained CTE vide letter no. BO/ROnsk/PCI-I/946-07/E/CC-329 dated 05.04.2007 and CTO vide consent no. BO/RO/Nashik/PCI-I/EIC No. NK-1175-07/O/CC-105 dated 29/04/2008.

10. The proposal for environmental clearance was considered by the EAC (violation) in its meetings held on 31<sup>st</sup> October - 1<sup>st</sup> November, 2019 and 21<sup>st</sup> -22<sup>nd</sup> September, 2020. The project proponent and their consultant M/s Green Circle Inc made detailed presentation on the project, on the additional information sought by the Committee including worst case scenario related to the air and water in case of reaction failure, revised EIA/EMP report incorporating earlier base line data with latest one month (January 2020) data along with the comparison, revised damage assessment cost etc.

The Committee observed that the project proponent has submitted damage cost of Rs 128.62 lakhs, which is now revised to Rs 216.82 lakhs, and has submitted revised Remediation plan, Natural and Community Resource Augmentation plan accordingly. The Committee has also noted the Maharashtra Pollution Control Board vide letter dated 22<sup>nd</sup> October, 2019 has informed that credible action has been taken against the Directors of the company and convicted u/s 15 of the E (P) Act and fine has been paid. The Committee after detailed deliberations opined that based on the MPCB clarification vide letter dated 22<sup>nd</sup> October, 2019, further action under section 19 of E (P) Act is not required. The Committee has also deliberated on the worst case scenario and opined that project proponent shall submit undertaking for conducting 3D modelling studies for Risk Assessment (RA) comprising identification of hazards, consequence analysis due to the accidental release of hazardous chemicals, quantification of risk based on failure probability of equipment, mitigation measures to reduce risk and delineation of disaster management plan. The Committee has also noted that detailed CER plan with the cost of Rs 27.9 lakhs to be spent in five years and a revised EMP cost of Rs 241.60 lakhs (capital cost: 211.60 lakhs & recurring: 30.00 lakhs) has been submitted by the project proponent.



The committee found the EIA/EMP report satisfactory and in consonance with the ToR, and recommended the proposal for environmental clearance with certain conditions in terms of the provisions of the Ministry's Notification dated 14<sup>th</sup> March, 2017.

**11.** Based on recommendations of the EAC and finalization/approval of the bank guarantee for an amount of Rs 216.82 Lakhs by the competent authority, towards Remediation Plan and Natural and Community Resource Augmentation Plan, the project proponent has submitted the desired bank guarantee with the Maharashtra Pollution Control Board (MPCB). The Maharashtra PCB Regional Office Nashik vide letter No. MPCB/171/2020 dated 04/02/2021 has informed the Ministry regarding receipt of the bank guarantee (B.G.No. 01150100002217 dated 01.02.2021 valid till 31.01.2026).

**12.** Considering the proposal submitted by the project proponent, recommendations of the EAC (violation) and submission of the desired bank guarantee, the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for **Expansion of Manufacturing of Bulk Drug & Intermediates from 12.85 TPM to 34.8658 TPM by M/s Vadivarhe Speciality Chemicals Ltd at Gut No.204, Nashik-Mumbai Highway, A/P Vadivarhe, Taluka Igatpuri, District Nashik, Maharashtra**, under the provisions of the EIA Notification, 2006 and the amendments made therein read with Ministry's Notification dated 14<sup>th</sup> March, 2017, subject to the compliance of terms and conditions, as under:-

- (i). The bank guarantee shall be released after successful implementation of the Remediation Plan and Natural and Community Resource Augmentation Plan, and after recommendation by Regional Office of the Ministry, EAC and approval of the Regulatory Authority. In case of failure to complete the remediation plan within stipulated time line, the fresh bank guarantee shall be submitted.
- (ii). As proposed, Rs 216.82 lakhs towards Remediation plan and Natural and Community Resource Augmentation plan to be spend within a span of three years as per **Annexure**, whereas bank guarantee shall be for 5 years.
- (iii). Approval/permission of the CGWA/SGWA shall be obtained before drawing ground water for the project activities, if applicable. State Pollution Control Board (SPCB) concerned shall not issue Consent to Operate (CTO) till the project proponent obtains such permission.
- (iv). Preventive measures to be taken to control ignition sources in bulk storage area and fire protection system to be established above ground storage tanks. Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done.
- (v). Proper measures to be taken to prevent internal tank explosion. Chemicals that are water reactive needs to be separated from chemicals that do not react with water.
- (vi). Proper precautions to be taken to prevent inadvertent mixing of chemicals. Standard operating procedures to be strictly followed during handling of chemicals. Solvents shall be stored in a separate space specified with all safety measures.
- (vii). Risk assessment studies conducting 3 D modelling studies for identification of hazards, consequence analysis due to the accidental release of hazardous chemicals, quantification of risk based on failure probability of equipment, mitigation measures to reduce risk and delineation of disaster management plan shall be undertaken and submitted to the Ministry within 3 months.



- (viii). 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, and risk mitigation measures relating to the project shall be implemented.
- (ix). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.
- (x). 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.
- (xi). The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Regional Office of Ministry and SPCB along with the compliance report.
- (xii). Occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (xiii). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (xiv). 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.
- (xv). Solvent management shall be carried out as follows: (a) Reactor shall be connected to chilled brine condenser system. (b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. (c) Solvents shall be stored in a separate space specified with all safety measures. (d) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. (e) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. (f) All the solvent storage tanks shall be connected with vent condensers with chilled brine circulation.
- (xvi). Total fresh water requirement shall not exceed 37.92 cum/day, proposed to be met from Mukane Dam water supply through tankers. Necessary permission in this regard shall be obtained from the concerned regulatory authority, and renewed from time to time.
- (xvii). Storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.
- (xviii). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.



(c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.

- (xix). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- (xx). As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the public hearing and socio-economic issues in the study area, the project proponent shall provide support for educational assistance, cleanliness and hygiene program to the schools, medical assistance, plantation, sanitation and waste management, drinking water facility in the nearby villages. The action plan shall be completed within three years as proposed. All the commitments made during public hearing shall be satisfactorily implemented.
- (xxi). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

**12.1.** The grant of environmental clearance is subject to compliance of other general conditions, as under:-

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
- (iii) 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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (v) 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.

- (vi) 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.
- (vii) 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.
- (viii) The environmental statement for each financial year ending 31<sup>st</sup> 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.
- (ix) 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 and at <https://parivesh.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.
- (x) 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.
- (xi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

**13.** The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

**14.** Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

**15.** Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

16. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of 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 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

17. This issues with approval of the competent authority.

R  
08/02/2021

(Dr. R. B. Lal)

Scientist 'E'/Additional Director

(डॉ. आर. बी. लाल)  
वैज्ञानिक 'ई' / Scientist 'E'  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Min. of Environment, Forest and Climate Change  
भारत सरकार, नई दिल्ली  
Govt. of India, New Delhi

**Copy to: -**

1. The Deputy DGF (C), MoEF&CC Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur - 1
2. The Secretary, Environment Department, Government of Maharashtra, 15<sup>th</sup> Floor, New Administrative Building, Mantralaya, Mumbai - 32
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, 3<sup>rd</sup> and 4<sup>th</sup> Floor, Opp. Cine Planet, Sion Circle, Mumbai - 22
5. The District Collector, District Nashik (Maharashtra)
6. Guard File/Monitoring File/Website/Record File

(Dr. R. B. Lal)

Scientist 'E'/Additional Director

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Summary

S. No.	Activity Proposed	Total (Rs. in lakhs)
1.	Remediation plan	164.47
2.	Community Resource Augmentation Plan	31.35
3.	Natural Resource Augmentation Plan	21.00
	<b>Total</b>	<b>216.82</b>

Remediation Plan and Budgetary Provisions

S. No.	Environmental component	Activities Proposed	Budgetary provision			Total (Rs in lakhs)
			1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
1.	Air Environment a) Ambient Air b) Air Pollution	Dust Suppression and water sprinkling. Provision of Barricades Thick plantation along road side and plantation in two villages	50.00	40.00	23.67	113.67
2	Noise Environment	Supply of personnel projective equipments	0.60	--	--	0.60
3	Water Environment	Provision for construction of Rain water harvesting tanks in schools of 5 villages of size 500 cubic meter Construction of water drainages in 5 villages	6.00	6.00	4.50	16.50
4	Land Environment	Leachate proof storage facility for chemicals and solvents	0.20	--	--	0.20
5	Ecology	G.B. and plantation	5.00	2.50	--	7.50
6	Solid and hazardous waste	Provision of coloured bins Provision of storage facility Provision of OWC	10.00	10.00	5.00	25.00
7	Socio-economic	First aid kit and health check up	0.50	0.25	0.25	1.00
		<b>Total</b>	<b>72.30</b>	<b>58.75</b>	<b>33.42</b>	<b>164.47</b>

**Community Welfare Augmentation Plan and Budgetary Provisions**

Sr. No.	Activities Proposed	Year wise Implementation and Budgetary provision in Rs.			Total cost (Rs.)
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
1.	Development of sanitation facilities in (provision of 5 toilets in each year per village)	2,00,000	2,00,000	2,00,000	6,00,000
2	Medical check-up camp in nearby areas for villagers and supply of medicines	75,000	1,00,000	1,50,000	3,25,000
3	Assistance in providing study materials, uniforms, books to the poor students (50 students)	50,000	70,000	90,000	2,10,000
4	Training of farmers in nearby village on advance agriculture/ irrigation practices and water conservation	2,00,000	2,00,000	1,00,000	5,00,000
5	Construction of community hall in 3 villages @ 5 lakhs in each villages	5,00,000	5,00,000	5,00,000	15,00,000
	<b>Total</b>	<b>10,25,000</b>	<b>10,70,000</b>	<b>10,40,000</b>	<b>31,35,000</b>

**Natural Resources Augmentation Plan and Budgetary provisions**

S. No.	Activities Proposed	Year wise Implementation and Budgetary provision in Rs.			Total cost (Rs.)
		1 <sup>st</sup> Year	2 <sup>nd</sup> Year	3 <sup>rd</sup> Year	
1.	Development of Greenery in the surrounding area and road side plantation (along the state highway abutting the project side (300 trees in the surrounding area and 200 trees roadside total 500 trees with maintenance @ 1500/- per tree total cost Rs. 750000/-) in consultation with NHAI for AH – 47.	250000	250000	250000	750000
2	Provision of drinking water facilities through hand pumps/ dugwells/ tube wells (2 hand pumps/ wells per year in the nearby villages each year with maintenance)	50000	50000	50000	150000
3	Providing solar street lights comprising of MS pole, solar panel, LED lamps, battery wiring etc. for Vadivarhe&Gonde Village, 10 street lights for Vadivarhe&Gonde village with complete set up @ Rs. 200000	0	300000	300000	600000
4	Repair and maintenance of roads in the nearby villages (Vadivarhe & Gonde village) with the help of gram Panchayat	200000	200000	200000	600000
	<b>Total</b>	<b>500000</b>	<b>800000</b>	<b>800000</b>	<b>2100000</b>

*R*  
02/02/2021

(डा. आर. बी. लाल)  
(Dr. R. B. LAL)

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