



F. No. J-11011/260/2015-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Aliganj, Jorbagh Road,
New Delhi -110 003

Telefax: 011-24695365
E-mail: yogendra78@nic.in

Dated: 20th December, 2016

To

The Director
M/s Parikshit Decor Pvt. Ltd.
Survey No. 793, Halvad-Maliya Highway
At. Susvav (Ishvarnagar), Halvad
District Morbi, Gujarat- 363 341

Sub: Setting up of Synthetic Organic Resin Manufacturing Unit at Survey no. 793, Village Susvav, Taluka Halvad, District Morbi, Gujarat by M/s Parikshit Decor Pvt. Ltd. -Environmental Clearance- reg.

Ref: Online Proposal No. IA/GJ/IND2/31397/2015 dated 30th September, 2015.

Sir,

This has reference to your online proposal no. IA/GJ/IND2/31397/2015 dated 30th September, 2015 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for setting up of Synthetic Organic Resin Manufacturing Unit at Survey no. 793, Village Susvav, Taluka Halvad, District Morbi, Gujarat by M/s Parikshit Decor Pvt. Ltd. As informed and as per the documents submitted by the PP, the total plot area is 18,514 m² of which greenbelt will be developed in 6009 m². It is reported that no National Parks, Wildlife Sanctuaries, Reserve Forest (RF)/Protected Forests (PF), Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. lies within 10 km distance from the manufacturing unit. The project cost is Rs. 1.01 crore out of which Rs 35 Lakhs has been earmarked towards Environment Protection.

3. The PP will manufacture the following products in the proposed unit:

| S.No. | Product | Quantity(MT/Month) |
|-------|-----------------------------|--------------------|
| 1 | Phenol Formaldehyde Resin | 500 |
| 2 | Melamine Formaldehyde Resin | 300 |
| 3 | Urea Formaldehyde Resin | 300 |
| 4 | Laminated Sheets | 2,00,000 |

4. Ground water will be used as source of water. Total 63.33 m³/day of water will be used. Against which 20.5 m³/day will be generated. Effluent generated from process, will be treated in ETP based on Photo Fenton treatment. Sludge so generated from the ETP will be sent to TSDF site. Chemically treated water, Boiler blow down, RO reject, cooling tower blow down water will be collected in treated water collection tank and then will be evaporated in steam based evaporation system followed by condenser. The plant is based on zero liquid discharge.

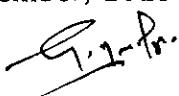
5. Solid/ Hazardous waste will be segregated and stored in suitable containers/ HDPE bags and place in elevated covered platform with leachate collection system before sending to authorized agencies. ETP Sludge and Evaporation residue will be sent to TSDF. Used Oil used within premises as a lubricant / sold to registered recycler.

6. The Project Proponent has informed the EAC that the ambient air quality monitoring was carried out at 8 locations during October- December, 2015. The baseline data indicates that ranges of concentrations of PM₁₀ (60 µg/m³ to 81.1 µg/m³), PM_{2.5} (24.6 µg/m³ to 36.1 µg/m³), SO₂ (5.9 µg/m³ to 17.3 µg/m³) and NO₂ (6.8µg/m³ to 19.8 µg/m³). AAQ modeling study for point source emissions indicates that the maximum incremental ground level concentrations (GLCs) after the proposed project would be 7µg/m³, 0.40 µg/m³ and 2 µg/m³ with respect to PM₁₀, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

7. Cyclone Separator followed by bagfilter along with stack height of 30 m will be provided to coal/briquette fired boiler(4 TPH) and Thermic fluid Heater(15 Lac Kcal/hr).Total fresh water requirement from ground water source will be 50 m³/day. A total of 14 m³/day of industrial wastewater will be generated and treated in the ETP based on chemical oxidation treatment. Treated effluent will be evaporated in steam / thermic fluid based on evaporation system followed by condenser. Condensate water from condenser will be reused in process. Dried sludge will be stored in bags and ultimately disposed of at TSDF site. Sewage will be treated in the Sewage Treatment Plant (STP).

8. All Synthetic Organic Chemicals Industry (Dye Industries) located outside the notified industrial area/estate are listed at S.N. 5(f) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

9. The project was considered by the Expert Appraisal Committee (Industry-2) in its 2nd meeting held during 16th-17th December, 2015 and 13th meeting held during 26th-27th



September, 2016. The project proponent and the accredited consultant (M/s T.R Associates, Ahmedabad) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Terms of References (TORs) awarded during the 2nd EAC(Industry-2) held during 16th-17th December, 2015 for preparation of EIA-EMP report.

10. Public Hearing for the proposed project has been conducted by the Gujarat Pollution Control Board on 28th June, 2016. The EAC has deliberated upon the issues raised during the public hearing. The issues were raised regarding emissions standard, local employment, industrial pollution and effect on crops etc. The EAC noted that the issues have satisfactorily been responded by the project proponent and incorporated in the final EIA-EMP report.

11. The EAC, in its 13th meeting held during 26th-27th September, 2016, has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance with certain conditions.

12. Based on the proposal and information submitted by the Project Proponent, and based on the recommendation by the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. Specific Conditions:

- i) Regular monitoring of Volatile Organic Compounds (VOCs) should be carried out.
- ii) Bag filter along with stack of adequate height should be installed to coal/briquette fired boiler & Thermic fluid heater to control particulate emissions.
- iii) Fugitive emissions in the work zone environment, product, raw materials storage area etc. should be regularly monitored.
- iv) Wet scrubber should be provided to control process emissions. Methanol should be recovered from the process area.
- v) Total fresh water requirement from ground water source should not exceed 50 m³/day and prior permission should be obtained from the CGWA/SGWA.
- vi) Industrial effluent will be treated in ETP based on photo fenton process followed by evaporation to achieve zero discharge. Water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB.
- vii) The company should 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 GPCB should be obtained for disposal of solid / hazardous waste in the TSDF. Measures should be taken for fire fighting facilities in case of emergency.



- viii) Green belt over 33 % of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- ix) Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
- x) All the commitments made to the public during the Public Hearing/Public Consultation meeting held on 28th June, 2016 should be satisfactorily implemented and a separate budget for implementing the same should be allocated and information submitted to the Ministry's Regional Office at Bhopal.
- xi) At least 2.5 % of the total cost of the project should be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program should be ensured accordingly in a time bound manner. ESR plan shall be implanted at village susan for implementation of rain water harvesting scheme along with other items.

B. General Conditions:

- i. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board, State Government 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 stations 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, risk mitigation measures and public hearing 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. CSR 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. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- xii. 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.
- xiii. 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.
- xiv. 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.
- xv. 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.
- xvi. 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



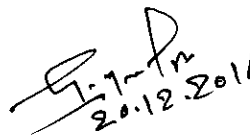
<http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.

xvii. 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.

13. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

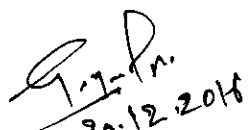
14. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

15. 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 Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Secretary, Forests and Environment Department, Government of Gujarat, Block 14, 8th floor, Sachivalaya, Gandhinagar-382 010, Gujarat.
2. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal - 462016
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Gujarat Pollution Control Board, Paryavaran Bhavan, Sector-10A, Gandhinagar-382 010, Gujarat.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bhag, New Delhi- 110 003.
6. Guard File/Monitoring File/Website/Record File.


(Yogendra Pal Singh)
Scientist 'D'