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**F. No. J-11011/221/2011-IA-II (I)**  
**Government of India**  
**Ministry of Environment and Forests**  
**(I.A. Division)**

**Paryavaran Bhawan**  
**CGO Complex, Lodhi Road**  
**New Delhi – 110 003**

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**Dated: 22<sup>nd</sup> March, 2013**

To,

Shri Himanshu Kanabar, Director  
M/s Almega Paints Pvt. Ltd.  
63-A, Vidyavilla, Paddapukur Road,  
Bhawanipur, Kolkata-700 020, West Bengal.

**E-mail : [himanshu@almegapaints.com](mailto:himanshu@almegapaints.com); Fax No.: 022-25942446.**

**Subject : Manufacture of Resins (5,520 TPA) at J.L. No. 01, Village Tulsiberia, R.S. Dag No. 2188 to 2194, 2196, 2297 to 2299, District Howrah, West Bengal by M/s Almega Paints Pvt. Limited - regarding Environmental Clearance**

Sir,

This has reference to your letter no. Nil dated 21.6.2012 along with copies of EIA/EMP report and subsequent communications dated 3.11.2012 seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Almega Paints Private Limited have proposed to manufacture Resins (5,520 TPA) at J.L. No.01, Village Tulsiberia, R.S. Dag No.2188 to 2194, 2196,2297 to 2299, District Howrah, West Bengal. Water based (1,980 TPM) and solvent based paint (1,980 TPM) blending & mixing units already exist, which did not require Environmental Clearance. 'Consent to Establish' and 'Consent to Operate' have been accorded by the West Bengal Pollution Control Board for the existing water and solvent based paint units. The proposed project will be installed within the existing plant having total acquired land of 8.71 acres and green belt will be developed in 33% of the total area. No national park/ wild life sanctuary is located within 10 Km distance. Total project cost is Rs. 4.5 Crores.

3. Castor oil, Raw inseed oil, phthalic anhydride, mixed xylene, resin, sorbitol (70%) etc. will be used as raw materials. The power requirement for the proposed project is about 200 KVA, which will be sourced from West Bengal State Electricity Distribution Company Limited.

4. It is noted that there will be no process emissions during the plant operation. The only emission through Chimney will be due to the burning of fuel (High Speed Diesel) in 3 nos. of Thermic Fluid Heaters for heating Thermo Pack, which will result in the emissions of SO<sub>2</sub> & NO<sub>x</sub>. A stack of adequate height will be provided for the dispersal of the pollutants.

5. It is noted that no water will be required in the process. However, a small quantity i.e., 2.5 m<sup>3</sup>/day water will be required for cleaning & miscellaneous purpose. Besides, 1 m<sup>3</sup>/day water will be required for domestic purpose. Hence, total 3.5 m<sup>3</sup>/day water will be required for the proposed project, which will be sourced from ground water. The necessary permission for sinking of the new well has been obtained from Ground Water Resource

Department. Rain water harvesting is also proposed. About 1 m<sup>3</sup>/day of wastewater will be generated in the reactor. Besides, 0.5 m<sup>3</sup>/day wastewater shall be generated from cleaning & miscellaneous uses. The entire wastewater will be treated in the existing Effluent Treatment Plant. Apart from this, about 0.8 m<sup>3</sup>/day of domestic wastewater will be generated, which will be treated in the septic tank/soak pit system. The treated wastewater will be reused for toilet flushing, gardening purpose, dust suppression etc.

6. The Sludge generated in the ETP will be finally sent to West Bengal Waste Management Ltd., Haldia.

7. All the Resin manufacturing plants located outside notified industrial area are listed at S.No. 5(f) under Category 'A' of the Schedule of EIA Notification, 2006 and appraised by the Expert Appraisal Committee (Industry) of MoEF.

8. The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 2<sup>nd</sup> meeting held during 29-31<sup>st</sup> October, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. The Public Hearing / Public Consultation meeting was conducted by the West Bengal Pollution Control Board on 27<sup>th</sup> April, 2012.

9. Based on the information submitted by you, presentation made by you and your consultant, M/s Envirotech East Private Limited Kolkatta, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS :**

- i. Regular monitoring of Volatile Organic Compounds (VOCs) shall be carried out and data submitted to the Regional Office of MoEF at Bhubaneswar, CPCB and SPCB.
- ii. Stack of adequate height shall be installed to oil fired boiler to disperse waste gases into atmosphere.
- iii. Fugitive emissions in the work zone environment, product, raw materials storage area etc. should be regularly monitored. The emissions should conform to the limits imposed by SPCB.
- iv. Wet scrubber should be provided to control process emissions. Methanol should be recovered from the process area.
- v. Total fresh water requirement shall not exceed 3.5 m<sup>3</sup>/day and prior permission should be obtained from the Competent Authority.
- vi. As proposed, Industrial effluent will be treated in ETP. Treated effluent should be reused/recycled within the factory premises. Water quality of treated effluent shall meet the norms prescribed by CPCB/SPCB.
- vii. As proposed Phenol should be extracted/treated from the effluent before sending to the ETP.



- viii. 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 SPCB should be obtained for disposal of solid / hazardous waste in the TSDF. Measures should be taken for fire fighting facilities in case of emergency.
- ix. Solvent management should be as follows :
- Reactor should be connected to chilled brine condenser system
  - Reactor and solvent handling pump should have mechanical seals to prevent leakages.
  - The condensers should be provided with sufficient Heat Transfer Area (HTA) and residence time so as to achieve more than 95% recovery.
  - Solvents should be stored in a separate space specified with all safety measures.
  - Proper earthing should be provided in all the electrical equipments wherever solvent handling is done.
  - Entire plant where solvents are used should be flame proof. The solvent storage tanks should be provided with breather valve to prevent losses.
- x. As proposed, green belt should be developed in at least 33 % of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xi. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
- xii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

**B. GENERAL CONDITIONS:**

- i. Ambient air quality data should be collected as per NAAQS standards notified by the Ministry on 16<sup>th</sup> September, 2009.
- ii. The project authorities must strictly adhere to the stipulations made by the West Bengal Pollution Control Board and the State Government.
- iii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.
- v. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup>

December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.

- vi. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- x. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
- xi. A copy of clearance letter shall be sent by the 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. The clearance letter shall also be put on the web site of the company by the proponent.
- xii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xiii. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar/ CPCB / SPCB shall monitor the stipulated conditions.
- xiv. The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated to be submitted by the project proponent 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 conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar 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 and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.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 should be forwarded to the Regional office at Bhubaneswar.
- xvi. 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 commencing the land development work.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12. 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.
13. This issues with the prior approval of the Competent Authority.

  
(Sundar Ramanathan)  
Deputy Director(S)

**Copy to:-**

1. The Secretary, Department of Environment, Govt. of West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, Bldg. No. 10-A, Block- LA, Sector 3, Salt Lake City, Kolkata – 700 091
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment & Forests, A/3, Chandesekharpur, Bhubaneswar – 751023.
5. Guard File / Record File/Monitoring file.

  
(Sundar Ramanathan)  
Deputy Director(S)