

By Speed Post



भारत सरकार
पर्यावरण एवं वन मंत्रालय
Government of India
Ministry of Environment & Forests
(IA Division)

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F. No. J-11011/1158/2007-IA-II(I)

Dated : April 9, 2008

To

M/S Asian Paints Ltd
Asian Paint House
6A, Shanti nagar, Santacruz (East)
Mumbai-400055

Sameer.salvi@asianpaints.com, Rajeev.batra@asianpaints.com

Sub: Integrated Paint manufacturing plant (4.0 Lakhs KL/Annum) at IMT Rohtak, Haryana by M/S Asian Paints LTD – Environmental Clearance reg.

Sir,

This has reference to your letter no. Nil dated 23rd October, 2007 alongwith Form-I and Pre-feasibility report seeking environmental clearance under the Environment Impact Assessment Notification, 2006 and subsequent correspondence vide your letter dated 10th March, 2008.

2. The Ministry of Environment and Forests has examined the application. It is noted that proposal is for environmental clearance for setting up of Integrated Paint manufacturing plant (4.0 Lakhs KL/Annum) at IMT Rohtak, Haryana by M/S Asian Paints LTD. The total land allotted to the plant by HSIDC, Haryana is 130 acre. No eco-sensitive areas are located within 15 km periphery of the plant. The total cost of the project will be Rs. 810 Crores. The following products and intermediates will be manufactured in the Plant:

1. Water Based & Solvent Based Paint - 4,00,000 KL/annum
2. Intermediates Capacity- Resins and Polymers - 1,60,000 KL/ annum

3. For control of air pollution from boilers, thermic fluid heaters, incinerator, DG sets and process equipment vents stack height as per CPCB norms, scrubber and bag filters will be installed. Total water 1312 KL/day (fresh water requirement considering re-use and rain water harvesting) will be sourced from IMT authority. Total effluent 178 KLD (including domestic sewage) will be treated through own Effluent treatment Plant comprising of primary treatment tanks, primary settling tanks, equalizing tank, bio-

reactors, Activated carbon & multi-grade filters. RO will be used to polish treated effluent before reuse. ETP Sludge will be centrifuged, dried and dewatered before disposal to TSDF facility

4. The integrated paint manufacturing units are listed at para 5 (h) of schedule of EIA Notification, 2006 under 'B' Category and should be appraised at SEIAA level but in absence of the same in State of Haryana, the proposal was considered and appraised at central level. The public hearing is not required as per para 7(i) III Stage (3) of EIA Notification, 2006 as the plant is located within the notified IMT Rohtak.

5. Based on the information submitted by you, the Ministry of Environment and Forests hereby accords environmental clearance to 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) The project authorities shall ensure periodical monitoring of the solvents like Xylene and Toluene. No Benzene shall be used in the process.
- ii) The project authorities shall provide vents with condensers to control solvent emissions and recover the same. The recovery of the solvents shall not be less than 98%.
- iii) The gaseous emissions (SO₂, NO_x, HCl, Toluene, xylene, butane) and particulate matters from various process units shall conform to the standards prescribed by the concerned authorities from time to time and monitoring report shall be submitted to the Ministry's Regional Office, CPCB and Haryana PCB. At no time, the emission levels shall go beyond the stipulated standards. In the event of failure of pollution control system(s) adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
- iv) Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits imposed by Haryana PCB. For control of fugitive emission and VOCs following steps shall be followed :
 - A. Closed handling system shall be provided for chemicals.
 - B. Reflux condenser shall be provided over reducer.
 - C. Chemical handling pump shall be provided with mechanical seals to prevent leakages.
 - D. System of leak detection and repair of pump/pipeline based on preventive maintenance.
 - E. Chemicals shall be taken to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water.

- v) During transfer of materials, spillages shall be avoided and gullies and drains be constructed to avoid mixing of accidental spillages with domestic waste and storm drains.
- vi) The project authorities shall install acoustic enclosures to the DG Sets for noise control and the stack heights of DG Sets and thermic fluid heaters shall be as per the guideline of CPCB.
- vii) Total water requirement shall not exceed 1312 m³/d. A full fledged treatment plant shall be installed for treatment of the wastewater to achieve the standards prescribed by the State Pollution Control Board. The treated wastewater shall be reused and zero discharge condition shall be maintained.
- viii) Hazardous waste (996 MT/annum) and Non-hazardous waste (2130 MT/annum) shall be generated from the proposed project. Incinerable hazardous waste will be incinerated and incineration ash and other hazardous waste shall be disposed in TSDF. Non hazardous solid waste shall be sold and recycled/incinerated. Used/spent oil from power generator sets shall be separately collected and sold to authorized oil recycler.
- ix) The project authorities shall store ETP sludge in leachate proof storage facility at site and shall be disposed of to TSDF. The company shall obtain membership of TSDF and copy of the same shall be submitted to the Ministry.
- x) The project authorities shall obtain necessary commitment from IMT and HSIDC authorities for supply of requisite water within three month. The copy of the same shall be submitted to Ministry's Regional Office at Chandigarh.
- xi) The company shall develop 33% of the total area as green belt as per the CPCB guidelines to mitigate the effect of fugitive emissions.
- xii) The project authorities shall earmark adequate funds to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
- xiii) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.

B. GENERAL CONDITIONS :

- (i) The project authorities shall strictly adhere to the stipulations made by the state government, State Pollution Control Board and any other statutory body.

- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. 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) At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (iv) Levels of HC and VOC at various probable locations in the ambient air will be monitored. Regular monitoring of HC and VOC may be carried out in the ambient air in and around the plant.
- (v) The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board (SPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
- (vi) Dedicated scrubbers and stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents. The scrubbed water shall be sent to ETP for further treatment.
- (vii) All the storage tanks shall be under negative pressure to avoid any leakages. Breather valves, N₂ blanketing and secondary condensers with brine chilling system shall be provided for all the storage tanks to minimize vapour losses. All liquid raw material shall be stored in storage Tanks and Drums.
- (viii) The company shall undertake following Waste Minimization measures.
- Metering and control of quantities of active ingredients to minimize waste.
 - Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - Use of automated filling to minimize spillage.
 - Use of "Closed Feed" system into batch reactors.
 - Venting equipment through vapour recovery system.
 - Use of high pressure hoses for equipment cleaning to reduce wastewater generation.
- (ix) The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October, 1994 and January, 2000 and Hazardous Waste (Management and Handling) Rules, 1989, as amended from time to time.

Authorization from the SPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes.

- (x) 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).
- (xi) The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- (xii) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.
- (xiii) The project proponent shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report.
- (xiv) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xv) The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.
- (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 and may also be seen at Website of the Ministry 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 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.

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

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

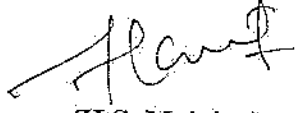
8. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.

9. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

(H.S. Malviya)
Joint Director

Copy to :

1. The Secretary, Department of Environment, Govt. of Haryana, SCO No. 1-3, Sector 17-D, Chandigarh.
2. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
3. The Chairman, Haryana Pollution Control Board, C -11, Sector 6, Panchkula, Haryana.
4. The Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office (Northern Zone), Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh - 160 047.
5. Adviser IA(II), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File,
8. Record File.


(H.S. Malviya)
Joint Director