

2006

F. No. J-11011/242/2005- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
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Dated 30th November, 2006

To, ✓
Shri M. M. Bhaduri
Senior General Manager
M/s Berger Paints India Ltd.
SIDCO Industrial Growth Centre
Samba, J & K

E-mail : aniruddhasen@bergerindia.com / srivastavask@rajdootpaints.com

Sub : Paint Unit at SIDCO Industrial Growth Centre, Samba, J & K by M/s Berger Paints India Ltd. -- Environmental clearance reg.

Sir,

This has reference to your letter no. nil dated 29th June, 2006 alongwith EIA/EMP report and other related projects documents and subsequent communications dated 14th July, 2006, and 7th August, 2006 on the above subject seeking environmental clearance under the Environmental Impact Assessment Notification, 1994 which has been superseded by EIA Notification, 2006.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that M/s Berger Paints India Ltd. have proposed to set up a Paint Unit (Unit-I) to produce paint and alkyd resins (18,000 TPA) at SIDCO Industrial Growth Centre (IGC), Samba, J & K. Total land acquired for the project is 2.4 ha.

3.0 Fume extraction system and de-dusting system will be installed to control air emissions. Total water requirement from Industrial Growth Centre (IGC) water supply will be 37.38 m³/d. Effluent Treatment plant (ETP) will be installed to treat the liquid effluent generated. All the treated wastewater will be either recycled in the plant or used for horticulture purposes and no effluent will be discharged outside the factory premises. ETP sludge will be generated and sold to other manufacturers for production of low grade paint. Solid waste generated from paint and resin will be recycled in paint and resin production section. Incinerator will be installed to incinerate waste paint / resins and powder, lube oil and incinerator ash will be used for brick manufacturing.

4.0 'Public hearing' meeting was held on 5th May, 2006. 'Consent to Establish' has been accorded vide letter No.SPCB/T/MCC-I/1628/05/688-89 dated 15th June, 2006 for 9,000 TPA and 'Consent to Establish' for another 9,000 TPA has yet to be obtained from J & K PCB. Total cost of the project is Rs. 20.88 Crores.

5.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under EIA Notification dated 14th September, 2006 subject to strict compliance of the following conditions:

A SPECIFIC CONDITIONS :

- i) The gaseous emissions (SO_2 , NO_x & HCl) and particulate matters from various process units shall conform to the standards prescribed by the concerned authorities from time to time. 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.
- ii) Ambient air quality monitoring stations shall be set up in the downwind direction as well as where maximum ground level concentration are anticipated in consultation with the J & KSPCB.
- iii) Fugitive emissions in the work zone environment, product, raw materials storage area shall be regularly monitored and emissions shall conform to the limits prescribed by the Jammu & Kashmir State Pollution Control Board (J & KSPCB). Fume extraction system and de-dusting system will be installed to control air emissions. VOCs, Xylene and Maleic anhydride shall be monitored in the work zone environment.
- iv) Total water requirement from IGC water supply shall not exceed $37.38 \text{ m}^3/\text{d}$ and prior permission shall be obtained. Efforts shall be made for further conservation of water and utilization of treated wastewater. Effluent Treatment plant (ETP) shall be installed to treat the liquid effluent. All the treated effluent shall be monitored for pH, SS, TDS, volatile dissolved solids, COD, BOD, heavy metals and other relevant parameters like presence of solvents etc. All the treated wastewater generated shall be recycled in the plant and also used for horticulture purposes or secondary usage. No effluent shall be discharged outside the factory premises and 'Zero' discharge shall be strictly adopted. The domestic effluent alongwith low concentration stream shall be sent to the septic tank followed by the soak pit for treatment.
- v) The ground water quality in and around the unit and the hazardous waste disposal site shall be regularly monitored and the data recorded to ensure that there is no contamination of the ground water.
- vi) Solid waste shall be generated in the form of ETP sludge, paint sludge, cotton waste and sparkler filter waste. No sludge from the reactors shall be generated. ETP sludge shall be sold to other manufacturers for production of low grade paint. Solid waste generated from paint and resin plant shall be recycled in paint and resin production section. An incinerator shall be installed to incinerate waste paint / resins and powder, lube oil etc and shall meet the CPCB standards and guidelines. Air emissions from the incinerator shall be controlled by installing wet scrubber. The destructive efficiency of the incinerator shall be assessed time to time by approved agency and a report submitted to the Ministry.

- vii) The project authorities shall strictly comply with the rules and regulations under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as amended in October 1994 and January 2000 and Hazardous Wastes (Management and Handling) Rules, 2003. Authorization from the J & KSPCB must be obtained for collection/treatment/storage/disposal of hazardous wastes. No hazardous waste shall be sold.
- 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 "Close Feed" system into batch reactors.
 - Venting equipment through vapour recovery system.
 - Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- ix) As proposed in EIA/EMP report, green belt shall be developed in 0.80 ha (33 %) out of total 2.40 ha to mitigate the effects of fugitive emissions all around the plant. Development of green belt shall be as per the Central Pollution Control Board guidelines.
- x) Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xi) The company shall undertake rainwater harvesting structures to harvest the water as well as to 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 shall be submitted to the J & KPCB within three months of receipt of this letter for approval.
- xiii) 'Consent to Establish' accorded by the J&K PCB vide letter No.SPCB/T/NOC-I/1628/05/688-89 dt. 15th June, 2006 is for 9,000 TPA only whereas environmental clearance is sought for the production of 18,000 TPA. 'NOC' for remaining 9,000 TPA capacity shall be obtained and submitted to the Ministry and its Regional Office at Chandigarh before undertaking any construction activity of the proposed project.

B. GENERAL CONDITIONS :

- i. The project authorities shall strictly adhere to the stipulations made by the Jammu & Kashmir Pollution Control Board (J & KPCB).
- ii. 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.

- iii. No further expansion or modification 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.
 - iv. 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 shall conform to the standards prescribed under Environment (Protection) Act, Rules, 1989 viz. DBA (day time) and 70 dBA (night time).
 - v. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA report.
 - vi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
 - vii. The project authorities shall earmark Rs. 51.03 Lakhs and Rs. 4.50 Lakhs towards the capital cost and recurring expenditure per annum for environment pollution control measures 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.
 - viii. The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Chandigarh / J & KPCE / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies.
 - 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 J & KSPCB/Committee 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 Ministry's Regional Office at Chandigarh.
 - 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.
- 6.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- 7.0 The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

8.0 The above conditions will be enforced, inter-alia under the provisions of the Water (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.

(Signature)
20/10/06

(Dr. P.B. Rastogi)
Additional Director

Copy to :

1. Secretary, Department of Environment, Govt. of Jammu & Kashmir, Jammu.
2. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Chairman, J & K State Pollution Control Board, Jammu.
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. Joint Secretary (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
7. Guard file.
8. Monitoring file.
9. Record file.

(Dr. P. B. Rastogi)
Additional Director