

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY
E-115, Nehru Colony, Haridwar Road, Dehradun (Uttarakhand)

Ref.: EC-39/2010/253

March 3, 2010

REGD./AD

To,

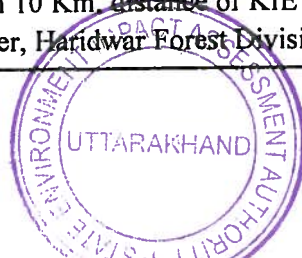
M/S Jesons Industries Ltd.
 Plot No. 29 A & B, KIE Industrial Estate
 Mundiyaiki, Pargana Manglore
 Tehsil Roorkee
 Distt. Haridwar

Sub.: Manufacturing of Synthetic Adhesive-15MT/day, Glue & Adhesive-15MT/day, Construction Chemicals-15MT/day, Baby & Clinical Dipers-10,000Nos./day, Other/Sanitary Napkins-10,000Nos./day and Polymers of Vinyl Acetate, Vinyl Co-polymers and Acrylic Polymers- 80MT/ by M/S Jesons Industries Ltd. for Environmental Clearance reg.

Sir,

Kindly refer to your application no. nil dated 08.04.2009 seeking environmental clearance under the Environmental Impact Assessment Notification, 2006.

1. The State Level Expert Appraisal Committee (SEAC) has examined the proposal. It is noted that the proposal is for establishment of synthetic chemicals manufacturing units for manufacturing of Synthetic Adhesive-15MT/day, Glue & Adhesive-15MT/day, Construction Chemicals-15MT/day, Baby & Clinical Dipers-10,000Nos./day and Other/Sanitary Napkins-10,000Nos./day at Unit-IV; and Polymers of Vinyl Acetate, Vinyl Co-polymers and Acrylic Polymers-80MT/day at Unit-V, by using various chemicals which include, organic and inorganic chemicals, at Plot No. 29A&B, KIE Industrial Estate, Mundiyaiki, Vill. Manglore, Pargana-Manglore, Tehsil Roorkee, Distt. Haridwar (Uttarakhand). The proposed manufacturing processes of the unit are testing of raw materials, reaction in reactor, intermediate mix, stirring & Blending. Total land area of the proposed project is 6140 Sq. Meter. Both Unit-IV and Unit-V will be installed in the same premises with common utility facilities. Green belt will be developed in 33% area of ;and. The total project cost of units is Rs. 15.59 Cr. The water requirement for both units is 33 KLD, which will be sourced from bore wells. No wastewater will be generated in Unit -IV, however about 1.2 KLD wastewater will be generated from Unit-V, which will be treated through appropriate capacity effluent treatment plant (ETP). Treated water is proposed to be used for gardening etc. Domestic wastewater which is of the order of 0.3 KLD will be disposed through soak pits. No wastewater is proposed to be discharged outside the premises. About 2 kg/day of ETP sludge and 12 kg/day of process waste and gel scrap will be generated which will be stored within the premises and disposed as per the regulations of CPCB. Solid wastes generated from the process will be disposed as per norms. The unit will install DG set 200KVA as a standby power arrangement, which will be used during power failure. The unit shall use various hazardous chemicals, which will be stored as per the Manufacture, Storage and Import of Hazardous Chemicals Rules 1989 as amended and as applicable. All of the hazardous chemicals storage is below the threshold storage limit defined under rules.
2. The project activity is listed in 5(f) of schedule of the Environment Impact Assessment Notification 2006. The project activity is categorized under screening category-B. The units are to be located in the Notified Industrial Estate and hence, the EAC of the MoE&F has exempted the units from public hearing. No forest area is located in 10 Km. distance of KIE Industrial Estate, Mundiyaiki, Manglore, as reported by Divisional Forest Officer, Haridwar Forest Division, Haridwar.



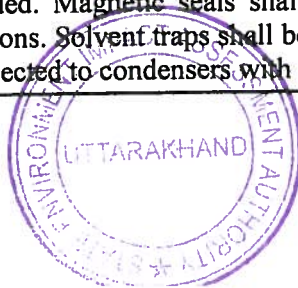
3. Based on the information submitted by project proponent and the recommendation of the State Level Expert Appraisal Committee (SEAC), the State Environment Impact Assessment Authority (SEIAA) hereby accords "Environment Clearance" for proposed activities subject to compliance of the following conditions.

A. SPECIFIC CONDITIONS

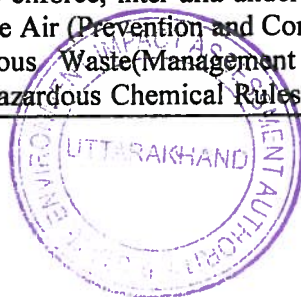
1. Water requirement shall not exceed 0.5KLD in Unit-IV and 32.5 KLD in Unit-V, which shall be sourced from the bore wells. Process wastewater generated from Unit-V shall be taken to the appropriate capacity effluent treatment plant (ETP), while domestic wastewater from both the units shall be disposed through septic tank/ soak pits. No wastewater shall be discharged outside the premises and 'Zero Discharge' shall be strictly adhered to.
2. The ETP sludge shall be dried in sludge drying beds and used as shall be stored in pucca RCC pits followed by disposal through authorized vendors.
3. Hazardous chemicals shall be stored in tanks in tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm. All safety measure shall be adopted as per norms.
4. One-third of the total area of the project shall be developed as green belt with suitable species of plants as per the CPCB guidelines.
5. The project authority shall obtain the Consent to Establish from the State Pollution Control Board.
6. The project authority has to obtain the necessary permission/NOC from the respective regulatory authorities prior to operation of the unit.
7. The project authority shall obtain necessary permission from the Central Ground Water Board for extraction of ground water.
8. The project authority shall submit the compliance report of Environment Clearance after every six months to the Authority.

B. GENERAL CONDITIONS:

1. The project authorities shall strictly adhere to the stipulations made by the UEPPCB.
2. No further modifications or expansion shall be carried out without prior approval of the Competent Authority. In case of deviations or alterations in the project proposal from those submitted to this authority for clearance, a fresh reference shall be made to the authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
3. 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.
4. The gaseous emissions (SO_x, NO_x, CO, VOC and HC) and particulate matter along with RSPM levels 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 adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency.
5. The locations of ambient air quality monitoring stations shall be reviewed in consultation with the UEPPCB and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
6. The stacks of appropriate height as per the Central Pollution Control Board guidelines shall be provided to control the emissions from various vents.
7. All liquid raw materials shall be stored in storage tanks and drums. Closed handling systems for chemicals and solvents will be provided. Magnetic seals shall be provided for pumps/agitators for reactors for reduction of fugitive emissions. Solvent traps shall be installed wherever necessary. Reactor generating solvent vapours will be connected to condensers with receivers.



8. All venting equipment shall have vapour recovery system. All the pumps and other equipments where there is a likelihood of HC leakages shall be provided with Leak Detection and Repair (LDAR) system and LEL indicators and Hydrocarbon detectors. Provision for immediate isolation of such equipment, in case of a leakage shall also be made. The company shall provide a well defined Leak Detection and Repair (LDAR) program for quantification and control of fugitive emissions. The detectors sensitivity shall be in ppm levels.
9. 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 cleaning to reduce wastewater generation.
10. Fugitive emissions in the work zone environment, product and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the UEPPCB/Central Pollution Control Board. Dust / powder from the formulation process shall be collected by dust extractor.
11. 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 UEPPCB shall be obtained for collection, treatment, storage, and disposal of hazardous wastes. All Transportation of Hazardous Chemicals shall be as per the MV ACT, 1989.
12. 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 dB(A) (day time) and 70 dB(A) (night time).
13. Occupational health surveillance of the workers shall be carried out on a regular basis and records shall be maintained as per the Factories Act.
14. 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.
15. The Company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.
16. The project authority shall also comply with all the environmental protection measures and safeguards proposed in the EIA/EMP report. All the recommendations made in respect of environmental management and risk mitigation measures relating to the project shall be implemented.
17. The company will undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CSR activities will be undertaken by involving local villages and administration.
18. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
19. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
20. The Authority may revoke/suspend the environment Clearance if implementation of any of the condition is not satisfactory and also the Authority reserves the right to stipulate additional condition(s), if found necessary. The Project authority in a time bound manner will implement these conditions. modify/revoke/impose any condition(s) as and when it may found necessary.
21. The stipulated conditions will be enforce, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986, Hazardous Waste(Management & Handling) Rules 2003/2008 and the Manufacture, Use & Import of Hazardous Chemical Rules 1989 and the Public Liability Insurance Act



1991, along with their amendment and rules.

22. The authority reserved the right to stipulate additional condition(s) if found necessary. The company in the time bound manner shall implement these conditions.
23. This Environment Clearance is valid for five year from the date of issue of Environment Clearance or commissioning of project, whichever is earlier. The project authority shall inform to the authority as well as UEPPCB, the date of start of the project and its completion.
24. The implementation of the project vis-a-vis environmental act shall be monitored by the team of the authority. A six monthly compliance status report shall be submitted to authority and shall be posted on the website of the company.
25. The Project authority shall inform the public that the project has been accorded the environment clearance by the authority and copies of the clearance letter are available with the UEPPCB may also be seen at website of the State Board. This shall be advertise within seven days from the date of issue of clearance letter, at least in two local news paper 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 SEIAA and UEPPCB.

ajay gairola
2.3.10
(Dr. Ajay Gairola)

Member Secretary

Copy to followings for kind information please:

1. Secretary, Environment and Forests, Govt of Uttarakhand, Dehradun.
2. Chairman, State Level Environment Impact Assessment Authority, Govt. of Uttarakhand, Dehradun.
3. Chairman, State Level Expert Appraisal Committee, Uttarakhand.
4. Principal Chief Conservator of Forests, Uttarakhand, 87, Rajpur Road, Dehradun, Uttarakhand.
5. Director, IA Division, Ministry of Environment & Forest, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi - 110003.
6. Member Secretary, Uttarakhand Environment Protection and Pollution Control Board, Dehradun.

ajay gairola
Member Secretary

