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By speed post

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

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi - 110 003

E-mail: [hsmalviya@gmail.com](mailto:hsmalviya@gmail.com)

Telephone: 011: 2436 7076

F. No. J-11011/156/2008-IA-II(I)

Dated : September 3, 2008

To

M/s Everest Industries Ltd  
1, Taratolla Road, Garden Reach  
Kolkata-700024  
West Bengal

[cwwork@everestind.com](mailto:cwwork@everestind.com)

**Sub : Expansion of Chrysotile Asbestos Cement Corrugated Roofing Sheets and Accessories Manufacturing Plant (8000 to 15000 MTPM) at 1, Taratolla Road Kolkata West Bengal by M/s Everest Industries Ltd – Environmental Clearance reg.**

Sir,

This has reference to your letter No. C/CD/RG/291/08 dated February 8, 2008 along with Application Form seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006 and subsequent communication vide letters No. L/AK C/MIA/MoEF/01/08 dated 5<sup>th</sup> March 2008 (Form 1 & Prefeasibility report) and No. H/Y SR/ar/007.0809/MoEF-CW dated 17<sup>th</sup> July 2008.

2.0 The Ministry of Environment & Forests has examined the proposal and noted that the proposal for expansion of Chrysotile Asbestos Cement Corrugated Roofing Sheets and Accessories Manufacturing Plant (8000 to 15000 MTPM) at 1, Taratolla Road Kolkata West Bengal by M/s Everest Industries Ltd. The location of the plant is within the designated industrial area. The proposed enhancement will be within the existing plant situated over an area of 6.99 Acres. No additional land is required. Land for Green belt will be 2.3 Acres. The Cost of the expansion project for line balancing and replacing in-efficient systems will be Rs. 6.154 Crores. The details of the products and production capacity are as given below:

| Products                                                             | Existing capacity     | After expansion Capacity |
|----------------------------------------------------------------------|-----------------------|--------------------------|
| Chrysotile Asbestos Cement Corrugated Roofing Sheets and Accessories | Roofing - 7900 MT/M   | Roofing - 14700 MT/M     |
|                                                                      | Accessories - 100MT/M | Accessories - 300MT/M    |
| Total                                                                | 8000 MT/M             | 15000 MT/M               |

3.0 The dust extractor/APCS unit have attached to the Cement storage & feeding area, Fly ash storage & feeding area. Fibre mill / Automatic bag Opening Device.

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Moulded goods finishing operation and Carbo cutting m/c. The total water requirement will be 153 KLD which will be met from ground water (80KLD) and from Kolkata Municipal Corporation (73 KLD). Domestic wastewater (36KLD) and canteen wastewater (3 KLPD) will be treated in the proposed Sewage Treatment Plant (STP). The treated water will be used in cooling tower (26KLPD) and for green belt development (4KLPD).

4.0 All the Asbestos cement sheet manufacturing plants are listed at S.N. 4(c) of schedule of EIA Notification 2006 under Category 'A' and appraised at central level. Public hearing is not required as per para 7 (i) III Stage(3)(b) of the EIA Notification, 2006.

5.0 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 the compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS:**

- i. The project proponent shall adhere to the prescribed BIS standards and laws regarding use and handling of asbestos, safety of employees etc. Raw materials like asbestos fibre and cement should be transported in closed containers. Asbestos fibre shall be brought in palletized form, in impermeable bags and under compressed condition.
- ii. Blue asbestos shall not be utilized as raw material in the manufacturing process. A written commitment in this regard shall be furnished within a period of three months.
- iii. There shall be no manual handling/opening of asbestos fiber bags. As proposed the company shall install fully automatic fibre handling system with bag opening device and fibre storage and batching system. Dust extraction system with bag filters and chimney will be installed with fibre handling system.
- iv. Fugitive emissions generated from hopper of Jaw crusher and Pulverizer shall be channelized through hood with proper suction arrangement shall be connected to bag filter and stack.
- v. The company shall make the arrangement for fibre counting and monitoring facility at the plant.
- vi. The Company shall comply with total dust emission limit of  $2\text{mg}/\text{Nm}^3$  as notified under the Environment (Protection) Rules, 1986. Adequate measures should be adopted to control the process emission and ensure that the stack emission of asbestos fibre shall not exceed the emission limit of 0.2 fibre/cc. Further, in the work zone area the fibre count shall not exceed 0.1 fibre/cc. Monitoring of dust and fibres shall be done as per the guidelines of West Bengal Pollution Control

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Board and reports shall be submitted to ministry's Regional office at Bhubaneswar/CPCB/SPCB.

- vii. Bags containing asbestos fibre shall be stored in closed area to avoid fugitive emission of asbestos fibre in the environment.
- (a) All material transfer points shall be connected to dust extraction system.
  - (b) Leakages of dust from machines and ducts shall be plugged.
  - (c) Floor shall be cleaned by vacuum cleaner only.
  - (d) Covered belt conveyer shall be used instead of manual transportation of asbestos within the premises.
- viii. Regular measurement of pollutants (SPM, asbestos fibre count) in the work zone area and stack (s) shall be undertaken by setting up a dedicated laboratory. In addition, the asbestos fibre count in the work zone area shall be got monitored by an Independent Monitoring Agency like NIOH, ITRC/NCB etc on a six- monthly basis. The monitored data shall be submitted to the State Pollution Control Board West Bengal once in three months and to Ministry's regional office at Bhubaneswar, every six months.
- ix. The quantity of water consumption shall be limited to 153 KLD and no process effluent shall be discharged. The entire process effluent shall be reused/recycled in the manufacturing process. The domestic waste water shall be treated in Sewage Treatment Plant and utilised for cooling and gardening after complying the norms prescribed by the State Pollution Control Board West Bengal.
- x. Asbestos Containing residues, Asbestos sludge and cuttings and Dust Particles generated from Exhaust Gas treatment shall be fully recycled in the process.
- xi. The cut and damaged fibre bags shall be handled with utmost care and shall be immediately repaired. Piling of AC sheet and products shall be done in wet condition only.
- xii. Regular medical examination of workers and health monitoring of the employees shall be carried out and record maintained up to minimum 40 years from the beginning of employment or 15 years after retirement or cessation of employment whichever is lower. A competent occupational health physician should be appointed to carry out medical surveillance. The occupational health monitoring must be strengthened to include periodic (six months) sputum test along with pulmonary test supplemented by X-Ray test annually. The company should also provide medical and health care facilities at the work place and if cases of asbestosis are detected, necessary compensation shall be arranged under the existing laws.

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- xiii. To educate the workers, all the work places where asbestos dust may cause a hazard shall be clearly indicated as a dust exposure area through the use of display signs which identifies the hazard and the associated health effects.
  - xiv. Out of total 6.99 acres plot area, 2.3 acres area shall be developed as green belt with local species in consultation with DFO as per CPCB guidelines.
  - xv. The Company shall undertake eco-development 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 West Bengal Pollution Control Board within three months of receipt of this letter for approval.

**B. GENERAL CONDITIONS:**

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board, the State Government and any other statutory body.
- ii. Proper house keeping shall be maintained within the plant premises. Process machinery, exhaust and ventilation systems will be laid in accordance with Factories Act. Better house keeping practices shall be adopted for improvement of the environment within the work environment.
- iii. 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.
- iv. 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.
- v. 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 State Pollution Control Boards/Central Pollution Control Board.
- vi. The locations of ambient air quality monitoring stations shall be reviewed in consultation with the State Pollution Control Board and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
- vii. The project authorities shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 as

amended 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.

- viii. 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)
- ix. The project authorities will set-up a separate environmental management cell for effective implementation of all the above stipulations under control of Sr. Executive.
- x. Adequate funds shall be earmarked towards capital cost and recurring expenditure/annum respectively for environment pollution control measures and shall be used to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule to implement all the conditions stipulated herein shall be submitted to the Ministry at its Regional Office at. The funds so provided shall not be diverted for any other purpose.
- ✓xi. The Regional Office of this Ministry/Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.
- xii. 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.
- xiii. 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.

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8.0 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.

9.0 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. Secretary (Environment), Government of West Bengal, Kolkata
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110 032
3. The Chairman, West Bengal Pollution Control Board, Paribesh Bhawan, 10-A, Block LA, Sector 3, Salt Lake City, Kolkata-700 091
- ✓ 4. Chief Conservator of Forests (Central), Regional Office, Western Regional Office, A/3, Chandrasekharpur, Bhubaneswar -751 023
5. Director, Monitoring Cell, MoEF
6. Guard file
7. Monitoring file
8. Record file

  
(H.S. Malviya)  
Joint Director