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State Level Environment Impact Assessment Authority, Jharkhand.

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Letter No. 020

Ranchi, Date: 03/01/2014

To: **M/s Mittal Cement,**
Mr. Anand Kumar Mittal,
Gokhul Complex, Rani Bandh, Dhajya,
Dist-Dhanbad, Jharkhand.-826 004.

Sub.: Environmental Clearance for the proposed 39600 TPA Cement Grinding Unit of M/s Mittal Cement at Khata No.-15, Plot No.-130, Mouza no -130, Vill. Rangdih, Govindpur, District Dhanbad. (File No. EC/SEIAA/2013-14/51/2013).

Sir,

M/s. Mittal Cement Ltd have proposed setting up of a Cement Grinding unit of 39600 TPA Capacity by grinding of Clinker, Gypsum and Blast Furnace Slag at Village Rangdih, Tehsil Govindpur, District. Dhanbad, Jharkhand. The total Plant area is 1 acre. The land required for the Project is in Possession of the PP. There are no National Park, Wildlife Sanctuary, Biosphere Reserve exist within 10 km radius of the study area. Total cost of the project is Rs. 132.86 Lakhs. Capital cost for Environmental Protection Measures is Rs. 6.0 Lakhs and Recurring Cost is Rs. 3 Lakhs /annum.

Clinker (13860 TPA) will be sourced from Satna & Maihar, Blast Furnace Slag (23760 TPA) will be sourced from Durgapur and Bokaro Steel Plants of SAIL and Gypsum (1980 TPA) will be sourced from Churu. Power required for the project will be sourced from JSEB. To control particulate emissions, all major sources of air pollution are provided with Bag filters. The Raw Materials will be mixed in silo and gypsum in covered shed.

Base line data of ambient air quality monitored at eight locations in the study area indicates that the concentrations of PM10, PM2.5, SO2 and NO2 are varying from 24.8 to 78.3 µg/m3, 12.0 to 42.7 µg/m3, 11.8 to 38.9 µg/m3 and 14.6 to 46.7 µg/m3 respectively. There is no Stack as this is a Grinding Unit only. Local Air Pollution Control measures are proposed to be implemented. It is expected that their will be negligible impact due to the Project.

The water requirement for the project is estimated as 2m3 / day which will be met through a Borewell.

No solid waste is generated in cement manufacturing process. Dust collected from the pollution control equipments is recycled back to the process.

The proposal was appraised by SEAC and recommended for grant of Environmental Clearance vide SEAC meeting held on 20 to 22 September 2013.

The proposal along with recommendation made by SEAC was considered in the Authority (SEIAA) in its meeting held on 16.12.2013.

The Authority decided to grant EC to the proposal with the following conditions:-

A. Specific Conditions

1. Particulate emissions shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system viz. Bag filters. Data on ambient air, fugitive emissions shall be submitted to the JSPCB's office at Ranchi
2. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
3. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed.
4. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. All the raw material stock piles should be covered. A closed clinker stockpile system shall be provided. All conveyers should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided.
5. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
6. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials should be transported in the covered vehicles only and vehicles should not be overloaded. Vehicular emissions should be regularly monitored.
7. Total water requirement shall not exceed 2 m³. Necessary permission, if required, for drawing water from Borewell shall be obtained from concerned authorities. All the treated wastewater should be in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.
8. A rain water harvesting scheme shall be prepared and duly got approved from Ground Water Directorate, Government of Jharkhand. Efforts shall be made to make use of rain water harvested. Only balance water requirement shall be met from other sources.
9. All the bag filter dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing.
10. Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
11. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item-wise details along with time bound action plan should be prepared and submitted to the JSPCB. Implementation of such program should be ensured accordingly in a time bound manner.

B. General conditions

1. No change in process technology should be made without prior approval of the Statutory authorities, Jharkhand State Pollution Control Board, Ranchi during the EC period.

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2. The Project proponent shall make all internal roads pucca and shall maintain a good housekeeping by regular cleaning and wetting of the haul roads and the premises.
 3. The Project proponent shall maintain register for production and dispatch and submit return to Jharkhand State Pollution Control Board, Ranchi.
 4. The Project proponent shall not cut trees / carry out tree felling in plant area without the permission of competent authority.
 5. Measures should be taken for control of noise levels below prescribed norms in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
 6. Industrial waste water should be properly collected, treated so as to conform to the standards Oil and grease trap should be installed before discharge of workshop effluents.
 7. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
 8. Dispensary facilities for First Aid shall be provided at site.
 9. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
 10. The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Jharkhand State Pollution Control Board, Ranchi.
 11. The Jharkhand State Pollution Control Board, Ranchi directly or through its Regional Office, shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) by furnishing the requisite data / information / monitoring reports.
 12. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Jharkhand State Pollution Control Board, Ranchi and to its concerned Regional Office.
 13. The proponent shall upload the status of compliance of the environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to Jharkhand State Pollution Control Board and its concerned Regional Office. The criteria pollutant levels namely ; SPM ,RSPM,SO₂ ,NO_x (ambient levels) or critical sectoral parameters , indicated for the project shall be monitored and displayed at a convenient location near the project shall be monitored and displayed at a convenient location near the main gate of the company in the company in the public domain.
 14. A copy of the clearance letter shall be sent by the project 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 website of the Company by the project proponent.
 15. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the Jharkhand State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986,as amended subsequently ,shall also be

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put on the website of the company along the status of compliance of EC conditions and shall also to the concerned Regional Office of JSPCB by e-mail.

16. All statutory clearances shall be obtained before start of plant operations.

C. Other points

1. The Authority reserves the right to add any new condition or modify the above conditions or to revoke the clearance if conditions stipulated above are not implemented to the satisfaction of Authority or for that matter for any other Administrative reason.
2. The Environmental Clearance accorded shall be valid for a period of five (5) years. The PP shall not increase production rate and make modifications in process during the validity of Environmental Clearance.
3. In case of any deviation or alteration in the project proposed from those submitted to SEIAA, Jharkhand for clearance, a fresh reference should be made to SEIAA to assess the adequacy of the conditions imposed and to incorporate any new conditions if required.
4. The above stipulations would be enforced among others under 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 Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Jharkhand and any other Court of Law relating to the subject matter.
5. Any Appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Sd/-

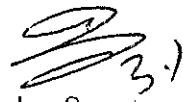
Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

Memo No. 220.

Copy to:

Dated: 03/01/14.

1. Principal Secretary, Department of Forests & Environment, Jharkhand.
2. Deputy Commissioner, District- Dhanbad, Jharkhand.
3. Divisional Forest Officer, Dhanbad Division, Dhanbad, Jharkhand.
4. Director IA Division, Monitoring Cell, MOEF, GoI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi - 110003
5. Member Secretary, Jharkhand State Pollution Control Board, Ranchi.
6. Secretary, Jharkhand State Expert Appraisal Committee, Ranchi.
7. Guard file.


Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.


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