

State Level Environment Impact Assessment Authority



Madhya Pradesh Government of India Ministry of Environment & Forests

Madhya Pradesh Pollution Control Board

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No:384/EPCO-SEIAA/09

Date:-27-04-09

To

M/s Birla Corporation Ltd
Cement Divison
P O Birla Vikas
Satna (M.P.)

Sub: Environmental Clearance to Coal Washery Plant 0.96 MTPA by wet process within existing cement plant premises of M/s Birla Corporation Ltd at Tehsil-Raghuraj Nagar, Distt. Satna Madhya Pradesh case no 238/2008

This has reference to letter no. nil dated 11/01/2008 along with application for Terms of Reference (TOR) and subsequent letters dated 11/08/08 and 20/01/09 for environmental clearance, and letters dated 04.08.2008 and 28.10.2008 on the above-mentioned subject. The State Level Impact Assessment Authority has considered the application. The proposal is for putting a wet process coal washery unit based on Balac Jig Technology of 0.96 MTPA capacity within an existing cement plant located at Satna, Madhya Pradesh of M/s Birla Corporation Ltd on an area of 5.47 ha. The project area of washery includes open space of 2.82 ha, storage area for coal 0.7 ha, water storage and treatment area 0.10 ha., space for office and stores 0.05 ha, and green belt 1.8 ha. Peak water requirement is 250m³/day which would be met by recycling of mine sump water.

2. The State Level Environment Impact Assessment Authority hereby accords environmental clearance for the above-mentioned coal washery unit from 0.96 MPTA million tonnes per annum (MTPA) under the provisions of the Environmental Impact Assessment Notification, 2006 subject to strict compliance to the following specific and general conditions.

A. Specific Conditions

- (i) Coal rejects from the process will be used in thermal power plant. The slimes from the settling tank will be taken out periodically and mixed with washery rejects for power generation.
- (ii) The raw coal, washed coal and coal wastes (rejects) shall be stacked properly at earmarked site(s) within stockyards fitted with wind breakers/shields. Adequate measures shall be taken to ensure that the stored minerals do not catch fire.
- (iii) Hoppers of the coal crushing unit and washery unit shall be fitted with high efficiency bag filters/Dust extractors. Mist spray water sprinkling system shall be installed and operated effectively at all times of operation to check fugitive emissions from crushing operations, transfer points of belt conveyor systems which shall be closed and from transportation roads.
- (iv) The power requirement for the project is 0.45 MW which will be made available from their own 27 MW thermal power plant.
- (v) All internal roads shall be concretised. The roads shall be regularly cleaned with mechanical sweepers. Avenue plantation be developed along the roads.
- (vii) Industrial wastewater (workshop and wastewater from the washery) shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time before discharge. Oil and grease trap shall be installed for treatment of workshop effluents.

- (viii) The Washery unit shall be a zero-discharge facility and no wastewater shall be discharged from the washery into the drains/natural water courses. Recycled water shall be used for development and maintenance of green belt and in the Plant Operations.
- (ix) Minimum 33% of washery project area be developed as green belt.

B. General Conditions

- (i) No change in technology and scope of working shall be made without prior approval of the State Level Environment Impact Assessment Authority.
- (ii) No change in the calendar plan for washing the quantum of mineral coal and waste produced shall be made.
- (iii) Four ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring SPM, RSPM, SO₂, NO_x and heavy metals such as Hg, Pb, As, Cr, etc. Location of the stations shall be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.
- (iv) Fugitive dust emissions (SPM and RSPM and heavy metals such as Hg, Pb, As, Cr, etc) from all the sources shall be controlled regularly monitored and data recorded properly. Water spraying arrangement on roads, wagon loading, dump trucks (loading and unloading) points shall be provided and properly maintained.
- (v) Periodic monitoring report with data on ambient air quality (SPM, RSPM, SO₂, NO_x and heavy metals such as Hg, Pb, As, Cr, etc) shall be regularly submitted to the Ministry including its Regional Office at Bhopal and to the State Pollution Control Board and the Central Pollution Control Board once in six months.
- (vi) Adequate measures shall be taken for control of noise levels below 85 dBA in the work environment.

- (vii) Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transporting the mineral shall be covered with tarpaulins and optimally loaded.
- (viii) Environmental quality shall be regularly monitored and got analysed through an Environmental laboratory established under the Environment (Protection) Act, 1986.
- (ix) Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects. Occupational health surveillance programme of the workers shall be undertaken periodically to observe any contractions due to exposure to dust and to take corrective measures, if needed.
- (x) An environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report directly to the Head of the company.
- (xi) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its Regional Office at Bhopal.
- (xii) The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated conditions. The Project authorities shall extend full cooperation to the office(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- (xiii) The Project authorities shall advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution control Board and may also be seen at the website of the State Level Environment Impact Assessment Authority at www.mpseiaa.nic.in

3. The State Level Environment Impact Assessment Authority or any other competent authority may stipulate any further condition for environmental protection.
4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract the provisions of the Environment (Protection) Act, 1986.
5. 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.
6. The above conditions will be enforced *inter-alia*, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.

Sd/-
(Deepti Gaur Mukerjee)
Member Secretary, SEIAA

Endt No. 385/ EPCO- SEIAA/ 08

Dated:-27-04-09

Copy to:-

1. The Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal
2. The Member Secretary, Madhya Pradesh State Pollution Control Board, Paryavarn Parisar, E-5, Arera Colony, Bhopal-462016
3. Division, Monitoring Cell, MoEF, New Delhi- 110 003
4. The Regional Officer, MOEF, Bhopal
5. Guard file.

Sd/-
(Deepti Gaur Mukerjee)
Member Secretary, SEIAA