

F No. J-11011/611/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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New Delhi - 110 003

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Dated 29th January, 2008

To. ✓
M/s Ma Chandī Durga Cement Ltd.
Kani Lal Avenue, Durgapur - 713210
West Bengal

E-mail : dcspl2@rediffmail.com ; Fax No. : 0343-2554450

Subject: Slag Cement Grinding Unit (3,30,000 TPA) at Village Gopalpur, Bamunara Industrial Estate, District Burdwan, West Bengal by M/s Ma Chandī Durga Cement Ltd. - Environmental clearance reg.

Sir,

Kindly refer your letter nil dated 14th June, 2007 alongwith project documents including Application in Form I, draft Terms of References and Pre-feasibility Report as per EIA Notification, 2006 and subsequent clarifications furnished vide letter dated nil regarding above mentioned cement grinding unit.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that the proposal is for the Slag Cement Grinding Unit (3,30,000 TPA) at village Gopalpur, Bamunara Industrial Estate, District Burdwan, W. B. by M/s Ma Chandī Durga Cement Ltd. No National Park/Wild life sanctuary/Reserve Forest is located within 10 km radius of the project. Total project area is 12 acres. Cement grinding will be carried out in closed clinker and will have a highly efficient bag filters. Air emissions will be less than 50 mg/Nm³. Total water requirement will be 60 m³/day. The project is environment-friendly as it will consume slag. Total cost of the project is Rs. 47.71 Crores. Rs. 35.00 Lakhs and Rs. 5.00 Lakhs are earmarked towards capital and recurring cost/annum for environmental pollution control measures.

3.0 After considering the facts mentioned above and with due diligence, the Ministry of Environment and Forests hereby categorizes the project in category B-2 requiring no EIA/EMP and Public Hearing/Consultation and accords environmental clearance under the provisions of EIA Notification, 2006 subject to strict compliance to the following specific and general conditions

A. SPECIFIC CONDITIONS :

- i. Cement grinding shall be carried out in closed clinker and will have highly efficient bag filters and cyclone to control dust emissions. Clinker shall be stored in the closed silos.

- ii. The stack emissions from various sources shall not exceed 50 mg/Nm^3
- iii. The fugitive emissions during loading and unloading shall be suitably controlled. Bag filters shall be provided to control air emissions. Fume extraction system followed by de-dusting system shall be provided to control fugitive emissions in raw material handling, loading and unloading areas. Water sprinkling shall also be done to control fugitive emissions.
- * iv. Ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the W. B. Pollution Control Board.
- v. Total water requirement from Durgapur Municipal Corporation (DMC) shall not exceed $60 \text{ m}^3/\text{day}$. All the wastewater shall be recycled and reused in the process, used for dust suppression and green belt development. Closed loop cooling system will be used and no wastewater shall be disposed off. 'Zero' effluent discharge shall be adopted.
- vi. 'Permission' for the draw of $60 \text{ m}^3/\text{day}$ water from the Durgapur Project Ltd. should be obtained.
- vii. Solid waste viz. fly ash and dust etc. shall be recycled and reutilized in the process itself. No solid waste shall be generated from the process. Spent oil shall be sold to recyclers/reprocessors.
- viii. As proposed, out of total 12 acres land, green belt shall be developed in 4 acres (33 %) in and around the plant site to control fugitive emissions as per the CPCB guidelines in consultation with DFO.
- ix. All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines shall be followed and complied.
- x. Other necessary statutory clearances from the concerned Departments including 'No Objection Certificate' from the W. B. Pollution Control Board shall be obtained prior to commencement of construction and / or operation.

B. GENERAL CONDITIONS :

- i. The project authority shall adhere to the stipulations made by W.B. Pollution Control Board (WBPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the W. B. Pollution Control Board. The stack emissions from various sources shall not exceed 50 mg/Nm^3 . Continuous on-line monitors for particulate emissions shall be installed in stacks. Inter-locking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective unit(s) is shut down automatically.

- iv. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State Authorities. Monitoring of ambient air quality and shall be carried out regularly in consultation with WBPCB and data submitted to the CPCB and WBPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- v. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. Bag house, bag filters and bag dust collectors shall be provided to clinker hopper, cement silo, fly ash silo, elevator, packer, cement transport equipment etc. to reduce fugitive emissions. The fugitive emissions during loading and unloading shall be suitably controlled. Dust emissions from all the sources shall be less than 50 mg/Nm³. Fugitive dust emissions from ball mill and storage areas shall be collected in bag house and bag filters and recycled back to the process. Storage of raw material shall be in silos or closed roof sheds.
- vi. 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 Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vii. Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops 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.
- viii. Proper house keeping and adequate occupational health programmes shall be taken up.
- ix. The company shall undertake eco-development measures including community welfare measures in the project area.
- x. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- xi. As proposed, Rs. 35.00 Lakhs and Rs. 5.00 Lakhs earmarked towards capital cost and recurring cost/annum for environmental pollution control measures shall be used exclusively to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- xii. The Regional Office of this Ministry at Bhubaneswar / CPCB / WBPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
- 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 commencing the land development work.

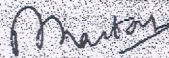
- xiv The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the W.B. Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. 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 Regional office at Bhubaneswar

3.0 The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry located at Bhubaneswar.

4.0 The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.

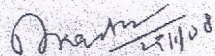
5.0 Any other conditions or alteration in the above conditions shall have to be implemented by the project authorities in a time bound manner.

6.0 The above conditions shall be enforced, 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules


(Dr. P. B. Rastogi)
Additional Director

Copy to

1. The Secretary, Department of Environment, Govt. of West Bengal, Kolkata, West Bengal.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
3. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, 10A Block-LA Sector-III, Salt Lake, Kolkata - 700091, West Bengal
4. The Chief Conservator of Forests, Regional Office (EZ), Ministry of Environment and Forests, A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File.
7. Monitoring File.
8. Record File.


(Dr. P. B. Rastogi)
Additional Director