

No. J-11011/79/2003-IA-II(I)
Government of India
Ministry of Environment & Forests
IA Division

Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003
Email : sujata@menf.delhi.nic.in
Telefax : 24364595
April 21, 2004

To

Shri Sunny Gaur
Director Incharge
M/s Jaypee Cement Limited
P.O. : Jaypee Nagar-486 450
Distt. Rewa (Madhya Pradesh)

Sub : Expansion of cement manufacturig capacity of Jaypee Bela Plant of M/s Jaypee Cement Limited at Jaypee Puram, Rewa district, Madhya Pradesh – ex-post facto environmental clearance reg.

Sir.

This has reference to your communication no. JCL/CO-ORD/2002-2003 dated 26.3.03 alongwith the application, EIA/EMP and related project documents, and subsequent clarifications furnished by you vide your letters dated 4.7.03, 4.9.03, 15.12.03, 29.1.04, 16.2.04, 25.2.04, and 16.3.04 seeking environmental clearance for the above-mentioned project.

The Ministry of Environment and Forests has examined your application. It is noted that the company has proposed enhancement in production capacity from 1.5 MTPA to 2.5 MTPA (60% PPC, 40% OPC) of their existing Jaypee Bela cement plant, which is located in an area of 68.442 ha. at Jaypee Puram, Rewa district, Madhya Pradesh. Clinker capacity will be increased from 4500 to 6700 TPD. It is also noted that the plant exceeded its cement production since 1999-2000 to 1.64-1.8 MTPA as against 1.5 MTPA due to more use of flyash for PPC manufacture, for which the company has sought ex-post facto environmental clearance. The plant is based on dry process technology. Limestone requirement is met from the company's own captive open cast Jaypee Bela mines. The project does not involve diversion of forest land or displacement of people. Water requirement for industrial use is met from rainwater filled in the mine reservoir of mined out areas. The Madhya Pradesh Pollution Control Board has accorded No Objection Certificate the project on 29.3.03. Public hearing for the project was held on 21.3.03. Total cost of the project is Rs. 479.72 crores, which includes Rs. 44 crores for expansion.

The Ministry of Environment & Forests hereby accords environmental clearance to the above project under EIA Notification dated 27th January, 1994 as amended subsequently, subject to strict compliance of the following conditions:

A. SPECIFIC CONDITIONS

- i. The gaseous and particulate emissions from various process units shall conform to the standards prescribed by the State Pollution Control Board. The company shall make efforts to restrict the particulate emissions to as low as possible and at no time the particulate emission from the stacks shall exceed 100 mg/Nm³. The company shall also take appropriate additional measures to improve the design and operating practices of the pollution control equipment to achieve a load based norm of 227 gms/T of feed. Trippings in kiln ESP shall be minimized. Interlocking 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) will be shut down automatically.
- ii. Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA/ by State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with SPCB and report submitted to the Board quarterly and to the Ministry's Regional Office half yearly. Continuous stack monitoring system shall be installed.
- iii. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. The dust collected from the pollution control equipment shall be recycled back into the process. Closed circuit grinding shall be provided in all the grinding sections of the plant. Storage of raw material shall be in closed roof sheds. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.
- iv. As per Charter on Corporate Responsibility for Environmental Protection in respect of cement industries, the company shall reduce CO₂ emission to 0.75 tonne/tonne of cement production. Action plan in this regard shall be submitted to the Ministry.
- v. Green belt of adequate width and density shall be provided to mitigate the effects of fugitive emission all around the plant. A minimum of 25% of the area shall be developed as green belt with local species in consultation with the DFO, and as per CPCB's guidelines.
- vi. No discharge of treated effluent from utilities and domestic effluent shall be done outside the premises and all the treated effluent shall be utilized for green belt development and other plant related activities.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. All the recommendations of the Charter on Corporate Responsibility for Environmental Protection (CREP) for the cement sector shall be strictly implemented.
- ix. The company shall undertake the rainwater harvesting measures to harvest rainwater for their own utilization and for recharging the groundwater.
- x. The company shall obtain necessary permission for drawal of groundwater for township and domestic use in the plant from the concerned State agency.
- xi. The company shall set up a conventional type of permanent meteorological station within their complex, as per the suggestion of India Meteorological Department.
- xii. As per the policy decisions taken vide this Ministry's circulars No. J-21011/8/98-IA.II(I) dated 14th May 2002 and dated 23rd June 2003, the company shall earmark a separate

fund of 1% of the total project cost, with a minimum of Rs. 50,000/- (as the unit was set up prior to 5.11.1998), for eco-development measures including community welfare measures in the project area. The amount shall be deposited by the company in a separate account within three months to be maintained by the Madhya Pradesh Pollution Control Board (MPPCB). The action plans in this regard shall be submitted to the MPPCB as well as to this Ministry within three months of issue of this letter. After approval of the action plan by the MPPCB, the amount deposited will be released in two instalments to the project authorities based on the progress of implementation. The MPPCB shall ensure that implementation of the action plan for ecocodevelopment measures is completed within two years from the date of its approval by MPPCB. Further, the interest accrued during this period on the amount deposited by the project authorities with the MPPCB shall be ploughed back to the same ecocodevelopment fund.

B. General conditions

- (i) The project authorities shall strictly adhere to the stipulations made by the Madhya Pradesh Pollution Control Board and the State Government.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests.
- (iii) At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the State Pollution Control Board. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Bhopal and the State Pollution Control Board/Central Pollution Control Board once in six months.
- (iv) 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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- (v) Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational health surveillance programme shall be done on a regular basis and records maintained. The programme shall include lung function and sputum analysis tests once in six months.
- (vi) The company shall comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- (vii) A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions should be set up under the control of Senior Executive.
- (viii) The project authorities shall provide adequate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government alongwith the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes.
- (ix) The Regional Office of this Ministry at Bhopal / Central Pollution Control Board/State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance

report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.

- (x) The company 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 State Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment & Forests at <http://envfor.nic.in> This shall be advertised within seven days from the state of issue of 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 should be forwarded to the Regional Office.
- (xi) 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.

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

The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

The above conditions will be enforced, interalia 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 alongwith their amendments and rules.


(Dr.Sujata Arora)
Joint Director

Copy to :

1. Secretary (Environment), Government of Madhya Pradesh, Bhopal.
2. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-office Complex, East Arjun Nagar, New Delhi-110 032
3. The Chairman, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5 Arera Colony, Bhopal-462 016
4. Chief Conservator of Forests (Central), Regional Office (NEZ), E-3/240, Arera Colony, Bhopal-462 016
5. JS (CCI-I), MOEF
6. Director, Monitoring Cell, MoEF
7. Guard file
8. Monitoring file
9. Record file

(Dr.Sujata Arora)
Joint Director