

F. No. J-11011/557/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Dated 19th December, 2008

To,

M/s Jai Prakash Associates Ltd.
Post Chunar - 231311, District Mirzapur
Uttar Pradesh

E-mail : pk.goel@jalindia.co.in ; Fax No. : 05443 - 225079

Subject : Revival and expansion of Cement Grinding Unit (1.60 to 2.50 MTPA, Portland Pozzolona Cement) alongwith a Captive Power Plant (38 MW) at Chunar, District Mirzapur, Uttar Pradesh by M/s Jai Prakash Associates Ltd. (Chunar Cement Factory) - Environment clearance reg.

Ref. : Your letter no. JAL/CHUNAR/07-08 dated 31st May, 2007.

Sir,

This has reference to your letter no. JAL/CHUNAR/07-08 dated 31st May, 2007 alongwith Form I, Pre-feasibility Report, draft Terms of References and EIA/EMP and subsequent clarifications furnished by you vide your letters dated 21st September, 2007, 24th June, 2008, 2nd July, 2008 and 14th November, 2008 for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that proposal is for the and expansion of Cement Grinding Unit (1.60 to 2.50 MTPA, Portland Pozzolona Cement) alongwith a Captive Power Plant (38 MW) at Chunar, District Mirzapur, Uttar Pradesh by M/s Jai Prakash Associates Ltd. (Chunar Cement Factory). Total existing land is 156.218 ha. No National Park/Wild life sanctuary within 10 km radius of the project. Reserve Forest viz. NUAON exists within 3 km. Total cost of the project is Rs. 250.00 Crores.

3.0 Clinker from Dalla Cement Plant, Gypsum from Rajasthan, Coal from Renuagar and Shaktinagar Thermal Power Plant and Fly ash from Obra plant will be used as raw materials. Clinker, gypsum, coal and fly ash will be stored under closed sheds / silos. During revival, no new mill be installed, cement grinding unit will be upgraded, new CPP (38 MW) will be installed and existing old colony will be renovated.

4.0 Electrostatic precipitator (ESP) to captive power plant (CPP) and highly efficient bag filters at other places including cement grinding mill shall be provided to control gaseous emissions within 50 mg/Nm³. Bag filters, dust collection and extraction system will be provided at appropriate places to control fugitive dust emissions. Total ground water requirement will be 3,000 m³/day and 'Permission' for the drawl of 3,000 m³/day ground water is obtained from

SGWB, Mirzapur, U.P. All the solid waste shall be recycled and reutilised in the cement plant itself. Fly ash generated from CPP will be used for manufacturing Portland Pozzolona Cement (PPC). STP sludge will be used as manure in green belt development.

5.0 No public hearing is required due to expansion of the cement grinding unit in the same campus as per Section 7 (ii) of EIA Notification, 2006.

6.0 All the stand-alone cement grinding units are kept at S. N. 3(b) under Category 'B' and should have been appraised by SEIAA/SEAC at the State level. SEIAA/SEAC in the State of U.P. is constituted vide Gazette Notification dated 12th July, 2007 but the proposal was appraised at the Central level due to receipt of the proposal prior to the notification of SEIAA/SEAC in U.P.

6.0 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. All the other necessary statutory clearances from the concerned Departments including 'No Objection Certificate' from the U.P. Pollution Control Board (UPPCB) shall be obtained prior to commencement of construction and/or operation. other necessary statutory clearances from the concerned Departments including 'No Objection Certificate' from the U. P. Pollution Control Board (UPPCB) shall be obtained prior to commencement of construction and/or operation.
- ii. Electrostatic precipitator (ESP) to captive power plant (CPP) and highly efficient bag filters at other places including cement grinding mill shall be provided to control gaseous emissions within 50 mg/Nm³. Continuous on-line monitors for particulate emissions shall be installed. The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the UPPCB. At no time, the stack emissions from various sources shall exceed 50 mg/Nm³. 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) is shut down automatically and reports submitted to the Ministry's Regional Office at Lucknow, CPCB and UPPCB regularly.
- iii. Ambient air quality monitoring stations (AAQMS) shall be set up as per statutory requirement in consultation with the U.P. Pollution Control Board (UPPCB). 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 UPPCB and data submitted to the Ministry's Regional Office at Lucknow, CPCB and UPPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- iv. The fugitive emissions during loading and unloading shall be suitably controlled. Bag filters shall be provided to control fugitive dust from raw material areas. The company shall install adequate dust collection and extraction system at appropriate places to control fugitive dust emissions from transfer points, hoppers, loading points, vehicular

movement etc. 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.

- v. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard shall be followed.
- vi. Total ground water requirement shall not exceed 3,000 m³/day as per the 'Permission' accorded by the State Ground Water Board, Mirzapur, U.P. vide letter dated 18th September, 2007. A copy of the same shall be submitted to the Ministry's Regional Office at Lucknow / CPCB / UPPCB. No effluent shall be discharged from the process outside the premises and all the treated effluent shall be utilized for green belt development and other plant related activities. 'Zero' discharge shall be strictly adopted. Domestic wastewater in plant and township shall be treated in sewage treatment plant (STP).
- vii. All the solid waste collected in different collection systems shall be recycled and reutilized in the cement plant itself. Sludge from the sewage treatment plant (STP) shall be used as manure for green belt development. Waste oil and grease shall be provided to the authorized recyclers/reprocessors.
- viii. Proper utilization of fly ash shall be ensured as per Fly ash Notification, 1999 and subsequent amendment in 2003. Fly ash generated from captive power plant (CPP) shall be used for manufacturing Portland Pozzolona Cement (PPC). The utilization plan shall be submitted to the Regional Office at Lucknow within three months.
- ix. As proposed, green belt shall be developed in 33 % area in and around the project site to mitigate the impact of air emissions as per CPCB guidelines in consultation with DFO.
- x. Permission and recommendations of the State Forest Department regarding impact of proposed expansion on the reserve forest viz. NUAON shall be obtained and suggestions made, if any, shall be implemented.
- xi. All the recommendations mentioned in the Corporate Responsibility for Environment Protection (CREP) guidelines shall be followed and implemented.
- xii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

B. GENERAL CONDITIONS :

- i. The project authority shall adhere to the stipulations made by U. P. Pollution Control Board (UPPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. 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).

- iv. Proper house keeping and adequate occupational health programmes shall be taken up.
- v. Rain water harvesting water measures shall be adopted for the augmentation of ground water. Besides, 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.
- vi. The company shall undertake eco-development measures including community welfare measures in the project area.
- vii. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- viii. As proposed, Rs. 27.00 and Rs. 7.00 Crores shall be earmarked towards capital cost and recurring cost/annum respectively for environment pollution control measures and used judiciously 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.
- ix. The Regional Office of this Ministry at Lucknow / CPCB / UPPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
- x. 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.
- xi. 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 U. P. Pollution Control Board and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This should 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.


7.0 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 Bhopal.

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

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

10.0. 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 Act, 1997.

11.0 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)
Director

Copy to:

1. Secretary, State Department of Environment, Government of Uttar Pradesh, Room No. 3, New Buildings, Vidhan Bhavan, Lucknow – 226 001, U.P.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
3. The Chairman, Uttar Pradesh State Pollution Control Board, 111 Floor, PICUP Bhavan, Vibhuti Khand, Lucknow – 226 020, U.P.
4. The Chairman, State Environment Impact Assessment Authority, Lucknow, U.P.
5. The Chief Conservator of Forests, Regional Office (Central Region), Kendriya Sadan, Sector H, 5th Floor, Aliganj, Lucknow – 226 024, U.P.
6. Adviser, IA II (I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi - 110003.
7. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
8. Guard File.
9. Monitoring File.
10. Record File.


(Dr. P. B. Rastogi)
Director



