

F. No. J-11011/489/2006- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road
New Delhi - 110 003

E-Mail : pb.rastogi@nic.in
Telefax : 011-24367668
Dated 14th September, 2007

PA: Mr. S. Khan
Am
27-9

To, ✓
M/s Jaykaycem Ltd.
529/1, Sai Nagar, Mudhol - 587 313
Bagalkot, Karnataka

E-mail : skkhan@ikcw.com / admin@ikcw.com ; Fax No. : 01477-220027, 220049

Subject : Cement Plant (2.20 MTPA) Clinker & 2.50 MTPA OPC and Captive Power Plant (2 x 25 MW) at Village Lokapur, Mudhol, District Bagalkot, Karnataka by M/s Jaykaycem Ltd. - Environmental clearance reg.

Sir,

Kindly refer your letter no. NBH/KAR-09 dated 25th November, 2006 and 5th March, 2007 alongwith project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006 and subsequent clarifications furnished vide communications dated 25th May, 2007 and 7th July, 2007 regarding above mentioned cement project.

2.0 The Ministry of Environment & Forests has examined the application. It is noted M/s Jaykacem Limited (subsidiary of J & K Cement Ltd) have proposed to set up a Cement Plant (2.20 MTPA) Clinker & 2.50 MTPA OPC and Captive Power Plant (2 x 25 MW) at Village Lokapur, Mudhol, District Bagalkot, Karnataka. Total project area is 258.37 acres. No forest land and R & R is involved. Total cost of the project is Rs. 880.00 Crores. Rs. 8.70 Crores are earmarked for environmental pollution control measures.

3.0 Public Hearing / Public Consultation meeting was held on 4th July, 2007.

4.0 The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September, 2006, subject to strict compliance to the following specific and general conditions:

A. Specific Conditions :

- i. Electrostatic precipitator (ESP) to cooler, bag House to raw mill, bag filter to coal kiln burner and pre-calciner shall be provided. On-line gas analyzer for O₂, CO emissions at kiln inlet and power house outlet and on-line dust monitor to kiln and clinker cooler shall be provided. A closed clinker system shall be adopted to control fugitive emissions. Water sprinkling shall be done in raw material stockyard and cement bag loading areas.

- ii. Total water requirement from Ghataprabha River source shall not exceed 1046.4 m³/day. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression, green belt development and other plant related activities etc. The effluent generated by the CPP will also be used in the cement manufacturing process. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Domestic effluent treated in Sewage Treatment Plant (STP) shall be used for green belt development within the plant and colony area.
- iii. The fly ash and bottom ash generated from the power plant shall be used in the process itself for manufacturing PPC. All the cement dust collected from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. The fly ash utilization shall be as per the provisions stipulated in the Fly ash Notification of September, 1999 and as amended in August, 2003. STP sludge shall be used as manure for green belt development. Used oil shall be sold to authorized recyclers/reprocessors only.
- iv. High calorific hazardous waste shall be utilized in the cement kiln.
- v. As proposed in EIA/EMP, green belt shall be developed in 80 ha. (66 %) out of total 120 ha. as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.

B. General Conditions :

- i. The project authority shall adhere to the stipulations made by Karnataka Pollution Control Board (KPCB) 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 Karnataka Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed KPCB limit. 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.
- iv. One ambient air quality monitoring station shall be installed in downwind direction. 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 stack emissions shall be carried out regularly in consultation with KPCB and report submitted to the KPCB quarterly and to the Ministry's Regional Office at Bangalore half-yearly.
- v. 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. Asphaltting/concreting of roads and water spray all around the stockyard and loading / unloading areas shall be carried out to control fugitive emissions. Covered

sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides coal, cement, fly ash and clinker shall be stored in silos.

- vi. Prior permission from the State Ground Water Board / Central Ground Water Authority (SGWB/CGWA) regarding drawl of ground water shall be obtained.
- vii. The company must harvest the rainwater from the rooftops 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. The company shall undertake eco-development measures including community welfare measures in the project area.
- ix. 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).
- x. All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.
- xi. Proper house keeping and adequate occupational health programmes shall be taken up.
- xii. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- xiii. Rs. 8.70 Crores earmarked for environmental pollution control measures shall be suitable used 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.
- xiv. The Regional Office of this Ministry at Bangalore / CPCB / KPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data alongwith statistical interpretation shall be submitted to them regularly.
- xv. 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.
- xvi. 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 Karnataka Pollution Control Board / Committee 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 Bangalore.

6.0 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 Bangalore.

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

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

9.0 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 Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -110032.
2. The Chairman, Karnataka State Pollution Control Board, 6,7,8 & 9th Floor, (Public Utility Building) Subhas Chandra Bose Building, M.G. Road, Bangalore - 560001, Karnataka.
3. The Chief Conservator of Forests (Central), Regional Office (SZ), Kendriya Sadan, IVth Floor, E&F Wing, 17th Main Road, Koramangala, Bangalore-560034, Karnataka.
4. The Secretary, Department of Environment & Forests, Government of Karnataka Bangalore, Karnataka.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi- 110003.
6. Guard file.
7. Monitoring file.
8. Record file.


(Dr. P. B. Rastogi)
Additional Director