



By speed post

Baart sarkar
Payaa-varNa evaM vana maM~alaya
Government of India
Ministry of Environment & Forests
(IA Division)

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March 20, 2009

F. No. J-11011/1273/2007-IA(II)

To

M/s JK Cement Works Mangrol
Village Mangrol,
District Chittorgarh,
Rajasthan

admin@jkew.com

Sub: Expansion of Clinker Plant (0.75 MTPA to 2.90 MTPA) and Cement Plant (0.95 MTPA to 3.45 MTPA) at village Mangrol, District Chittorgarh, Rajasthan by M/s J K Cement Works Mangrol – Environmental Clearance reg.

Sir,

This has reference to your letter no. nil dated May 27, 2008 alongwith Environmental Impact Assessment report and public hearing report seeking environmental clearance for the above project under the Environment Impact Assessment Notification, 2006 and subsequent communication vide letter no. MGR/PC-02/2432 dated January 23, 2009.

2.0 The Ministry of Environment and Forests has examined the proposal and noted that the proposal is for environmental clearance for expansion of Clinker Plant (0.75 MTPA to 2.90 MTPA) and Cement Plant (0.95 MTPA to 3.45 MTPA) at Village Mangrol, District Chittorgarh, Rajasthan by M/s J K Cement Works Mangrol. The total 149.42 ha land is available with the plant and the expansion will be within the existing premises. No additional land will be acquired. The total cost of the project will be Rs. 756.65 Crores.

3.0 Electrostatic Precipitator (ESP) to raw mill, Kiln and cooler, bag house to cement mill and bag filter to crusher will be provided to control emissions within 50mg/Nm³. The water requirement after the expansion will be 1500 KLD and will be sourced from the Gambhiri dam and ground water. No process wastewater generation is envisaged. All the dust generated will be recycled/reused in the process.

4.0 Public hearing was held on 25th July, 2008.

5.0 The Ministry of Environment and Forests hereby accords environmental clearance to above project under the provisions of EIA Notification dated 14th September 2006 subject to the compliance of the following Specific and General conditions:

A SPECIFIC CONDITIONS:

- i) The company shall install Electrostatic Precipitator (ESP) to raw mill, kiln and cooler, bag house to cement mill and bag filter to crusher to control particulate emissions within 50mg/Nm³. The company shall provide air pollution monitoring arrangements with stacks and vents. Regular monitoring reports shall be submitted to the Rajasthan Pollution Control Board, CPCB and Ministry's Regional Office at Lucknow.
- ii) Data on ambient air quality stack emission and fugitive emissions shall be regularly submitted online to Ministry's Regional office at Lucknow, Rajasthan Pollution Control Board and Central Pollution Control Board as well as hard copy once in six months. Data on SPM, SO₂ and NO_x shall also be displayed prominently outside the premises at the appropriate place for the information of general public.
- iii) Bag house/ filters shall be provided to control the fugitive emissions generated during material transfer, packing, loading and unloading. The project authorities shall store all the raw materials except limestone in the covered sheds to control fugitive emissions.
- iv) The locations of ambient air quality monitoring stations shall be set up as per statutory requirement in consultation with the Rajasthan Pollution Control Board (RPCB) and additional stations shall be installed, if required, in the downwind direction as well as where maximum ground level concentrations are anticipated.
- i) The water requirement shall not exceed 1500KLD. The copy of the permission letter for drawl of River/dam water/ground water shall be submitted to the Ministry's Regional Office at Lucknow within 3 months from date of issue of this letter. The company shall prepare plan for conservation of water and reduction of consumption of fresh water from the ground water or Gambhiri Dam.
- v) The company shall develop rain water harvesting structures to harvest the run off water for recharge of ground water.
- vi) Green belt shall be developed at least in 33 % of plant area to mitigate the effect of fugitive emissions all around the plant as per the guidelines of Central Pollution Control Board.
- vii) The project authorities shall transport the raw materials and cement in covered means to avoid fugitive emission during transport.

- viii) All the recommendations mentioned in the CREP guidelines for the cement plants shall be followed and complied.
- ix) The company shall comply with all the commitment made during public hearing/public consultation held on 25th July, 2008 for the project.
- x) Provision shall be made for the housing of 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 authorities shall strictly adhere to the stipulations of the SPCB/State Government or any statutory body.
- (ii) No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (iii) At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieved.
- (iv) The gaseous emissions (SO₂, NO_x) and particulate matter along with RSPM levels from various process units shall conform to the standards prescribed by the concerned authorities from time to time.
- (v) The company shall undertake following Waste Minimization measures.
 - Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - Use of "Close pneumatic" system for transport of fine material.
 - All Venting systems shall be connected with dust arresting equipments.
 - Dust collect in pollution control equipments shall be reused.
- (vi) Fugitive emissions in the work zone environment, product, and raw materials storage area shall be regularly monitored. The emissions shall conform to the limits imposed by the State Pollution Control Boards/Central Pollution Control Board.

- (vii) The overall noise levels in and around the plant area shall be kept well within the standards 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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- (viii) Occupational health and safety measures shall be undertaken. Periodic monitorial for exposure to dust on the workers should be conducted and records maintained including health records of the workers. The company shall engage a doctor who is trained in occupational health.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment. The eco-development plan should be submitted to the SPCB within three months of receipt of this letter for approval.
- (x) A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (xi) The project authorities shall earmark adequate fund to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for all the conditions stipulated herein shall be submitted to the Ministry's Regional Office. The funds so provided shall not be diverted for any other purpose.
- (xii) The implementation of the project vis-à-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry/SPCB / CPCB. A six monthly compliance status report shall be submitted to monitoring agencies and shall be posted on the website of the Company.
- (xiii) 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 SPCB and may also be seen at Website of the Ministry 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 concerned Regional Office of the Ministry.
- (xiv) 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 start of the project.

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

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

8.0 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 Authority Act, 1997.

9.0 The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 alongwith their amendments and rules.

(H.S. Malviya)
Joint Director

Copy to : -

- i) Secretary, Department of Environment and Forests, Government of Rajasthan, Jaipur.
- ii) The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office complex, East Arjun Nagar, New Delhi-1100032.
- iii) The Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur.
- iv) The Chairman, State Ground Water Board Jaipur Rajasthan.
- v) Chief Conservator of Forests, Central Region, Ministry of Environment and Forests, B-1/72, Sector-H, Aliganj, Lucknow-226020.
- vi) Adviser IA(II), Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
- vii) Monitoring Cell, Ministry of Environment & Forests, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi - 110003
- viii) Guard File.
- ix) Record File.

(H.S. Malviya)
Joint Director