

F. No. J-11011/ 55/2006- 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](mailto:pb.rastogi@nic.in)

Telefax : 011: 2436 7668

Dated 25<sup>th</sup> July, 2007

To,

✓ The Manager  
M/s Kesoram Cement  
10-3-316/A, 1st Floor, S.D. Eye Hospital Road  
Masab Tank, Hyderabad – 500 028  
Andhra Pradesh

E-mail : [kaa-kesoram3@sancharnet.in](mailto:kaa-kesoram3@sancharnet.in) / [hyderabad@kesoramcement.com](mailto:hyderabad@kesoramcement.com)

Fax No. : 08728-228160/ 040-23344109/23347821

Subject : Expansion of Cement Plant (1.23 MTPA to 2.0 MTPA) at Basantnagar, Ramagundam, Karimnagar, Andhra Pradesh by M/s Kesoram Cement – Environmental clearance reg.

Sir,

This has reference to your letter no. nil dated 28<sup>th</sup> December, 2006 alongwith project documents including Application form, Questionnaire and EIA/EMP seeking environmental clearance and subsequent clarifications furnished vide communications dated 26<sup>th</sup> February, 2007 regarding the above mentioned project.

2.0 The Ministry of Environment and Forests has examined your application. It is noted that the proposal is for environmental clearance for the expansion of Cement Plant (1.23 TPA to 2.0 MTPA) at Basantnagar, Ramagundam, Karimnagar, A. P. Limestone will be sourced from captive limestone mines and environment clearance has been accorded by the MOEF vide letters dated 6<sup>th</sup> and 19<sup>th</sup> February, 2007. The expansion of the project will be carried out on the existing 122.50 ha. land and no additional land will be required. Putnur PF is located at a distance of 5 Km. No National Park/Wildlife sanctuary and reserve forest is located within 10 km. Radius of the project site. No R & R, forestland is involved.

3.0 Increase in production of cement will be achieved by upgradation of various units and no new units are proposed. Fugitive emissions will be controlled by asphaltting/concreting the roads and water spraying. ESPs, bag house and dust collectors will be provided to control air emissions to 100 mg/Nm<sup>3</sup>. Total ground water requirement and water from the mine pit will be 4,050 m<sup>3</sup>/d. No process effluent will be generated. All the domestic effluent will be used for green belt development. No solid waste will be generated from cement plant. Ash generated by the power plant will be used for cement manufacturing. Spillage material will be recycled to the process. Refractory bricks generated from the kiln will be sold to outside agencies due to high recycling value.

4.0 Public hearing meeting was held on 23<sup>rd</sup> December, 2006. Total cost of the project is Rs. 22.00 Crores.

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

**A. Specific Conditions :**

- i. ✓ The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the A.P. Pollution Control Board. At no time, the particulate emissions from the cement plant shall exceed APPCB 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.
- ii. ✓ Continuous monitoring system to monitor gaseous emissions shall be provided and air emission from cement plant and captive power plant shall be controlled within 50 and 100 mg/Nm<sup>3</sup> respectively by installing adequate air pollution control system (ESPs, bag house, bags filters and dust collectors etc.). On-line monitoring data shall be submitted to the APPCB and CPCB regularly.
- iii. 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 APPCB and report submitted to the APPCB quarterly and to the Ministry's Regional Office at Bangalore half-yearly.
- iv. ✓ Secondary fugitive emissions shall be controlled within the permissible limits as per the latest CPCB guidelines. 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), coal mills, cement mills, crushers, bagging vehicular movement and packing areas etc. Asphalting/concreting of roads and water spray all around the coal stock piles, loading / unloading areas and bag filters at transfer points shall be done to control fugitive emissions. Storage of raw material shall be in closed roof sheds. A closed clinker stockpile system shall be provided.
- v. ✓ Total water requirement from the ground water source and water from the mine pit shall not exceed 4,050 m<sup>3</sup>/day and prior permission shall be obtained. 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. No process wastewater shall be discharged outside the factory premises and 'zero' discharge shall be adopted. Treated domestic effluent shall be used for green belt development within the plant and colony area.
- vi. All the recommendations mentioned in the Ground Water Survey Report of Water Works Department, Govt. of A.P. shall be ensured.
- vii. ✓ All the cement dust collected from pollution control devices shall be recycled and reused in the process. Efforts shall be made to use more fly ash and solid waste in the cement manufacturing. Refractory bricks shall be sold to authorized agencies. Used oil shall be sold to authorized recyclers/reprocessors only.
- viii. ✓ Efforts shall be made to use high calorific hazardous waste in the cement kiln. Accordingly, provision shall be made in the kiln.
- ix. As proposed in EIA/EMP, green belt shall be developed in at least 60 ha (50%), out of total 122.5 ha. area as per CPCB guidelines in consultation with local DFO.

- x. 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.
- xi. The company shall undertake eco-development measures including community welfare measures in the project area.
- xii. All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.

**B. General Conditions :**

- i. The project authority must adhere to the stipulations made by A. P. State Pollution Control Board (APPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. At least four ambient air quality monitoring stations shall be established and one in the downward direction as well as where maximum ground level concentration of SPM, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the APPCB. Data on ambient air quality and stack emissions shall be regularly submitted to this Ministry including its Regional Office at Bangalore and APPCB once in six months.
- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- v. 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).
- vi. Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months.
- vii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.
- viii. A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- ix. As mentioned in the EIA/EMP, Rs. 2.00 Crore and Rs. 0.19 Crores earmarked towards the total cost and recurring cost/annum for implementing environmental pollution control measures shall be judiciously 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 purposes.
- x. The Regional Office of this Ministry at Bangalore / Central Pollution Control Board / A. P. Pollution Control Board shall monitor the stipulated conditions. A six monthly compliance

report and the monitored data along with statistical interpretation should be submitted to them regularly.

- xi. The Project Authorities should 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.
- xii. 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 A. P. Pollution Control Board / Committee 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 should be forwarded to the Regional office.

6.0 The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions will 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 will 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 alongwith their amendments and rules.

  
(Dr. P. B. Rastogi)  
Additional Director

Copy to :

1. The Secretary, State Department of Environment and Forests, Govt. of Andhra Pradesh, Mantralaya, Hyderabad, A.P.
2. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110032.
3. The Chairman, Andhra Pradesh State Pollution Control Board, 2<sup>nd</sup> Floor, HUDA Complex, Maitrivaram, S.R. Nagar, Hyderabad - 500 038, A. P.
4. The Chief Conservator of Forests (Central), Ministry of Environment & Forest, Regional Office (SZ), Kendriya Sadan, IV<sup>th</sup> Floor, E&F Wing, 17<sup>th</sup> Main Road, Koramangla, Bangalore - 560 034, Karnataka.
5. JS (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi. - 110003.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi-110003.
7. Guard file.
8. Record file
9. Monitoring file.

  
(Dr. P. B. Rastogi)  
Additional Director