

F. No. J-11011/351/2006- 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
Phone : 011-24367668
Dated 17th July, 2007

To,

✓ Shri M Veereswara Rao
Director
Parasakti Cement Industries Ltd.
301, 3rd Floor, Manjeera Square
Opp. Mythri Hospital, Ameerpet
Hyderabad, Andhra Pradesh.

E Mail : accounts@parasakti.com ; Fax No. : 040 23735244

Subject : Expansion of Cement Plant (0.297 to 1.26 MTPA) & Clinker Production (0.280 MTPA to 1.20 MTPA) at Jettipalem, Rentachintala, Guntur, A. P. by M/s Parasakti Cement Industries Ltd.

Sir,

This has reference to your letter no. PCIL/Admn/EC/2006 dated 3rd January, 2007 alongwith project documents including Application form, Questionnaire and EIA/EMP seeking environmental clearance and subsequent clarifications furnished vide communications dated 24th 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 Cement plant (0.297 to 1.26 MTPA) and clinker (0.280 MTPA to 1.20 MTPA) at Jettipalem, Rentachintala, Guntur, A. P. Total project area is 42 ha. No forestland is involved. Goli RF (1.5 Km. E), Malkacharla RF (4 Km NW), Rajawaram RF (8 Km. NE), Advidevarapalli RF (1.5 Km NW), Puruvemula RF (10 Km, SW), Rajiv Gandhi Wild Life Sanctuary (6.0 km) are located within 10 km radius of the project site. State Forest Department, A. P. has submitted no objection for establishing cement plant with reserve forest/wild life sanctuary in surrounding. But, having regard to the latest direction from Hon'ble Supreme Court, you are directed to furnish clearance of the National Board of Wildlife since the project is located within 10 km. of a Wild Life Sanctuary.

3.0 ESPs, bags filters and bag house will be installed at critical locations to restrict emission to 50 mg/N m³. Dust will be collected in a cyclone. Total ground water requirement will be 210 m³/d.. No liquid effluent will be discharged. No solid waste will be discharged since all the dust from APCS will be recycled back to the process.

4.0 Public hearing meeting was held on 20th December, 2006. Total cost of the project is Rs. 135.00 Crores.

5.0. The Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th 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 limit of SPM shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system (ESPs, bags filters and bag house 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), 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. 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 shall not exceed 210 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. 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.
- vi. All the recommendations mentioned in the Ground Water Survey Report of Water Works Department, Govt. of A.P. shall be ensured.
- vii. Efforts shall be made to use more fly ash and solid waste in the cement manufacturing. All the cement dust collected from pollution control devices shall be recycled and reused in the process. 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.

265
120
90
10
465
160

- ix. Green belt shall be developed in at least 14 ha. (33%) out of total 42 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. 4.
- xi. The company shall undertake eco-development measures including community welfare measures in the project area.
- xii. A study on impact of cement plant on the health of nearby villagers shall be carried out and report submitted to the Ministry and its Regional Office at Bangalore. Chennai
- xiii. All recommendations made in the Corporate Responsibility for Environment Protection (CREP) for cement plants shall be implemented.
- xiv. All the recommendations of the State Forest Department obtained due to impact of the proposed Cement Plant on Goli RF, Malkacharla RF, Rajawaram RF, Advidevarapalli RF, Puruvemula RF, Virdhpalan RF, Diada RF etc. shall be implemented.
- xv. Clearance from the National Board for Wildlife under Wildlife (Protection) Act, 1972 shall be obtained prior to the commencement of construction activity of the cement plant at site since the project is located within 10 km. of the Rajiv Gandhi Wild Life Sanctuary ✓

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, SO₂ and NO_x 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 19th May, 1993 and 31st 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.

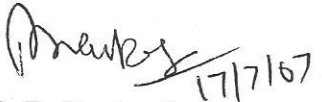
- vii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.
- viii. A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- ix. As mentioned in the EIA/EMP, Rs. 10.20 Crores and Rs. 0.54 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, 2nd 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, IVth Floor, E&F Wing, 17th 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.


17/7/07
(Dr. P. B. Rastogi)
Additional Director