

F. No. J-11011/352/2005- 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 5th April, 2007

To,
✓ Shri H. Bhattacharya
Executive Director (Cement)
M/s OCL India Ltd.
Rajgangapur – 770017
Orissa

E-mail : hbhattacharya@ocl.in / ocl-rajgangapur@ocindia.com / ocl
Fax No. 06624 – 220933, 220133, 220733

Subject : Expansion of Clinker production (1.20 to 2.90 MTPA) and Cement plant (2.00 to 4.00 MTPA) at Rajgangapur, Sundergarh, Orissa by M/s OCL India Ltd. – Environmental clearance reg.

Sir,

This has reference to your letter no. RGIF:80212/5 dated 21st September, 2006 alongwith project documents including Application form, Questionnaire and EIA/EMP seeking environmental clearance and subsequent clarifications furnished vide communications dated 29th December, 2006, 21st November, 2006 and 17th January, 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 existing cement plant to manufacture 2.90 MTPA Clinker and 4.00 MTPA Cement. Total project area is 91.95 ha. and proposed expansion will be carried out in 23.10 ha. within the existing premises. Gudiali RF (3 km), Tunmura R.F. (6.5 km), Chudia RF (6.5 km) and Hathidhara R.F. (4 km) are located around the project site. No rehabilitation and resettlement & R is involved.

3.0 ESP to cooler, cyclone & bag filter to kiln and bag filters at other appropriate places will be provided to control air emissions within 50 kg/Nm³. Dust will be controlled at raw material, coal and cement grinding, kiln exhaust gas, cooler gas, transfer points etc. by dedusting with efficient filters and recycling dust to the process. Jet pulse bag filters and dust extraction system will be provided to control fugitive emissions. Dust suppression system at unloading hoppers, discharge gate of silos and totally closed operations for all belt conveyers and storage etc. will be used. Total water requirement from Nakti nala will be 5,788 m³/d including 785 m³/d ground water. No effluent will be discharged since treated wastewater will be used for cooling, dust suppression and green belt development etc. Char from sponge iron plant of M/s OCL will be used in manufacturing cement. STP sludge will be used for green belt development.

4.0 Public hearing meeting was held on 6th September, 2006. 'Consent for Establishment', has been accorded by the Orissa State Pollution Control Board vide letter no.27130/IND.II.NOC-4381 dated 4th November 2006. 'Consent to operate' has been accorded by the Orissa Pollution Control Board vide letter no. 37024 & 26/SPCB/BBSR-1-1ND(CON)25 dated 30th December, 2005. Total cost of the project is Rs. 882.00 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 Orissa State Pollution Control Board (OSPCB). At no time, the particulate emissions from the cement plant shall exceed OSPCB 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 on-line 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. On-line monitoring data shall be submitted to the OSPCB and CPCB regularly.
- iii. 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 OSPCB and report submitted to the OSPCB quarterly and to the Ministry's Regional Office at Bhubaneshwar half-yearly. One ambient air quality monitoring station shall be installed in downwind direction.
- iv. 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. ESP to cooler and cyclone & bag filter to kiln CVRM and bag filters shall be provided in the coal mill and cement mills to control air emissions less than 50 mg/Nm³. Jet pulse bag filters / dust extraction system shall be provided to control fugitive emissions in raw material, coal handling and cement grinding areas. Dust suppression system at unloading hoppers, discharge gate of silos and totally closed operations for all belt conveyers and storage etc. shall be used. Raw materials shall be stored in closed roof sheds and clinker in silos.
- v. Asphaltting/concreting of roads and water spray all around the coal stockpiles shall be carried out to control fugitive emissions.
- vi. Total water requirement from the Nakti nala and ground water source shall not exceed 5,788 m³/d including 785 m³/d respectively and prior permission for the drawl of ground water from the SGWB / CGWA shall be obtained. All the treated wastewater shall be recycled and reused in the process, 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.

- vii. All the cement dust collected from pollution control devices shall be recycled and reutilized in the process. Char from sponge iron plant of M/s OCL shall be used as raw material in manufacturing cement and mixed with feed. Hazardous waste viz. Used oil from gear boxes and automotive batteries etc. shall be properly stored in a designated area and sold to authorized recyclers/ reprocessors.
- viii. The company must 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.
- ix. Green belt shall be developed in at least 28.0 ha out of total 91.15 ha land in consultation with the local DFO as per the CPCB guidelines.
- x. The company shall undertake eco-development measures including community welfare measures in the project area.
- xi. All the recommendations mentioned in the Charter on the Corporate Responsibility for Environmental Protection (CREP) shall be strictly followed.
- xii. High calorific hazardous waste shall be used as fuel in the cement kiln. Accordingly, provision shall be made in the kiln.
- xiii. Prior permission from the State Forest Department shall be obtained regarding likely impact of proposed expansion on the reserve forests viz. Gudiali RF (3 km), Tunmura R.F. (6.5 km), Chudia RF (6.5 km) and Hathidhara R.F. (4 km) and recommendations /suggestions, if any shall be implemented in a time bound manner.

B. General Conditions :

- i. The project authorities must strictly adhere to the stipulations made by the Orissa State Pollution Control Board and the State Government.
- ii. No expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- ✓ iii. Adequate number of ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated in consultation with the OSPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and OSPCB once in six months.
- iv. Industrial wastewater should 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 recycled in the plant as well as utilization for plantation purposes.
- v. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous

Wastes (Management and Handling) Rules, 2003. Authorization from the OSPCB must be obtained for collection, storage, treatment and disposal of hazardous wastes.

- vi. 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 EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA / EMP /risk analysis and DMP report.
- viii. As proposed in EIA/EMP, Rs. 31.82 Crores and Rs. 2.64 Crores earmarked toward the capital cost and recurring the expenditure/annum for environmental protection measures shall be 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 purposes.
- ix. The Regional Office of this Ministry at Bhubaneswar / Central Pollution Control Board / OSPCB shall monitor the stipulated conditions. A six monthly compliance report and the monitored data along with statistical interpretation should be submitted to them regularly.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State 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 shall be forwarded to the Regional office.
- xi. 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.

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 will implement these conditions.

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


(Dr. P. B. Rastogi)
Additional Director

Copy to:-

1. The Secretary, State Department of Environment, Govt. of Orissa, Bhubaneswar, Orissa.
2. Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
3. Chairman, Orissa Bengal Pollution Control Board, Parivesh Bhavan, A/118, Neelkanthhanagar, Unit-8, Bhubaneswar - 751 012, Orissa.
4. The Chief Conservator of Forests (Eastern), Regional Office (EZ), A/3, Chandrasekharpur, Bhubaneswar - 751 023, Orissa.
5. Joint Secretary (CCI-I), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Record File.


(Dr. P. B. Rastogi)
Additional Director