

F. No. J-11011/898/2007- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Dated 3rd March, 2008

To,

✓ M/s Orient Cement
Clinker Grinding Unit
At N.H.-6, Village Nashirabad
District Jalgaon, Maharashtra

E-mail : orinas_jal@sancharnet.in : Fax No. : 0257 -2356290

Subject : Expansion of Cement Grinding Unit (2,400 TPD to 6,500 TPD) at Village Nashirabad, District Jalgaon, Maharashtra by M/s Orient Cement - Environmental clearance reg.

Sir,

This has reference to the letter no. ORCEM/ENV/9 dated 14th July, 2007 alongwith Application in Form I, Project Report and other project related documents seeking environmental clearance and subsequent clarifications furnished vide communication dated 24th September, 2007, 17th & 22nd November, 2007 and 11th December, 2007 regarding the above mentioned cement project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that the proposal is for environmental clearance for the expansion of Cement Grinding Unit (2,400 TPD to 6,500 TPD) at Village Nashirabad, District Jalgaon, Maharashtra. Total land acquired is 2,47,580 m². Expansion of the cement grinding unit will be carried out at the existing premises only and no additional land will be required. No National Park/Wild life sanctuary/Reserve Forest is located within 10 km radius of the project. It is also noted that clinker will not be manufactured at the site & will be brought from the existing cement plant of M/s Orient Cement at Defapur, Adilabad, A. P. At the present location, the process will be grinding of clinker with fly ash and gypsum. Ordinary Portland cement (OPC) and Pozzolona Portland Cement (PPC) are presently produced in the ratio of 30:70 in the existing plant and after proposed expansion, the product mix will change to 10:90 ratio. Fly ash (1,915 TPD) will be sourced from Bhusaval TPS and gypsum (195 TPD) from Mumbai. The project is environment friendly as it will consume Fly ash (1,915 TPD) as a resource material. Total cost of the project is Rs. 43.28 Crores.

3.0 Bag filters will be provided to the cement mill to control air emissions within 50 mg/Nm³. Fugitive emissions will be controlled by providing silos and closed sheds for raw materials and product. Total ground water requirement will be 110 m³/day and have applied for the permission for the drawl of ground water to the SGWA/CGWA. No process wastewater will be generated from the grinding unit. The fines collected in cyclone and bag filters will be recycled and reused in the process.

4.0 No public hearing is required as per the para 7 (ii) of the EIA Notification, 2006 since no significant change is anticipated due to expansion of the existing plant.

5.0 After considering the facts mentioned above and with due diligence, the Ministry of Environment and Forests hereby categorizes the project in category B-2 requiring no EIA/EMP and Public Hearing/Consultation and accords environmental clearance under the provisions of EIA Notification, 2006 subject to strict compliance to the following specific and general conditions :

A. SPECIFIC CONDITIONS :

- i. Cement grinding shall be carried out in closed existing cement mill and shall have highly efficient bag filters. The stack emissions from various sources shall not exceed 50 mg/Nm³.
- ii. The gaseous emissions (SPM, SO₂, NO_x, CO) and particulate matter from various units shall conform to the standards prescribed by the Maharashtra Pollution Control Board. At no time, particulate emissions from the grinding unit shall exceed 50 mg/Nm³. Continuous on-line monitors for particulate emissions shall be installed in stacks. 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.
- iii. Ambient air quality monitoring stations (AAQMS) shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO₂ and NO_x are anticipated as per statutory requirement in consultation with the MPCB. 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 shall be carried out regularly in consultation with MPCB and data submitted to the Ministry's Regional Office at Bhopal half-yearly, and CPCB and MPCB quarterly. The instruments used for ambient air quality monitoring shall be calibrated time to time.
- iv. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at loading/unloading points and at all the transfer points. Fugitive emissions shall be controlled by providing silos and closed roof sheds for raw materials and product. Water sprinkling arrangement shall be made in the raw material stock yard and cement bag loading areas.
- v. Total water requirement shall not exceed 110 m³/day and prior permission for the drawl of 60 m³/day ground water required for the expansion project shall be obtained from the State Ground Water Board / Central Ground Water Authority (SGWB/CGWA). All the recommendations / conditions stipulated by SGWB/CGWA shall be implemented. Efforts shall be made to reduce fresh water consumption by recycling and reusing treated wastewater in the process. No effluent shall be discharged outside the factory premises and 'zero' discharge shall be strictly followed.
- vi. Solid waste viz. fly ash and dust etc. shall be 100% recycled and reused in the process itself. The fines collected in cyclone and bag filter shall also be recycled in the process. Spent oil generated shall be sold to authorized recyclers / reprocessors only.
- vii. As proposed, green belt shall be developed in 33 % area. Central Pollution Control Board guidelines shall be followed in planning and developing green belt and selection of species etc.

- viii. Other necessary statutory clearances from the concerned departments including 'No Objection Certificate' from the Maharashtra Pollution Control Board (MPCB) shall be obtained prior to commencement of construction and/or operation.
- ix. All the recommendations mentioned in the Corporate Responsibility or Environmental Protection (CREP) shall be followed and complied.

B. GENERAL CONDITIONS :

- i. The project authority shall adhere to the stipulations made by Maharashtra Pollution Control Board (MPCB) and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- iii. Industrial wastewater shall be properly collected and 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.
- iv. 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).
- v. 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 properly for at least 30-40 years. The programme must include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.
- x. Rainwater harvesting measures shall be adopted. The company must also 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.
- ✓ vi. The company shall undertake eco-development measures including community welfare measures in the project area.
- vii. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.
- ✓ viii. As proposed, Rs. 160.00 Lakhs and 85.00 Lakhs earmarked towards capital cost and recurring cost/annum respectively for the environment protection measures shall be used exclusively 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.
- ix. 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.
- x. The Regional Office of this Ministry at Bhopal / Central Pollution Control Board / MPCB shall monitor the stipulated conditions. A six monthly compliance report and

the monitored data alongwith statistical interpretation shall be submitted to them regularly.

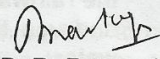
- xi. The Project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.
- xii. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the Maharashtra 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 Bhopal.

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 will be monitored by the Regional Office of this Ministry located at Bhopal.

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

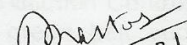
8.0 Any other conditions or alteration in the above conditions will have to be implemented by the project authorities in a time bound manner.

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 along with their amendments and rules.


(Dr. P. B. Rastogi)
Director

Copy to :

1. The Secretary, Department of Environment and Forests, Govt. of Maharashtra, Mumbai - 400 001, Maharashtra.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Link Road No. 3, E - 5, Arera Colony, Bhopal - 462 016, M.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market Building, 4th Floor, Mata Ramabai Ambedaker Road, Mumbai - 400 001, Maharashtra.
5. Adviser IA (II), 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. Monitoring File.
9. Record File.


(Dr. P. B. Rastogi)
Director