

To: DGM - Mines  
Jayanthipuram

No. J-11015/18/2000 - IA II (M)  
Government of India  
Ministry of Environment & Forests



23 OCT 2002  
file - Krishna  
M/s DGM (mines)  
ACCEPT is already  
K-24 - Administration

Paryavaran Bhawan,  
C.G.O Complex, Lodi Road,  
New Delhi - 110 003.

DD  
23/10/02  
dr.m. / J.S. / 24/10

Dated: 16<sup>th</sup> October 2002

24/10  
JGKCA / DGM (mines)  
Pl. take & take all  
the actions needed for the  
compliance of the conditions  
mentioned  
J.P.S.

To  
Shri P.B. Gopala Krishna  
Vice President (Mfg),  
Madras Cements Ltd.,  
'Auras corporate Centre',  
V Floor, 98-A, Dr. Radhakrishnan Road,  
Mylapore, Chennai - 600 004.

Subject: Limestone mine of M/s Madras Cements Ltd., at Ravirala  
village, Taluk Jaggayyapaet, District Krishna, Andhra Pradesh -  
environmental clearance reg.

Sir,

This has reference to your letter no. 761/00 dated 07.07.2000 and subsequent communications dated 11.10.2000, 18.11.2000, 14.02.2001, 28.06.2001, 25.07.2001, 31.08.2001, 05.09.2001, 22.04.2002, 08.06.2002, on the above subject. The Ministry of Environment & Forests has carefully examined the application. It has been noted that the total mining lease area of 60.72 ha. is forest land. Forestry clearance has been granted for the entire area. During the first five years, average production will be at further reduced rate of 6.05 lakhs tonnes/annum then it will reduce to 4.10 lakhs tonnes/annum for the next five years and thereafter for the next 20 years, limestone average production will be at the rate of 2.05 lakhs tonnes/annum. Displacement of people is not involved. Water requirement of 110 m<sup>3</sup>/day will be obtained from the existing Jayanthipuram mine sump. Approval from the Andhra Pradesh Pollution Control Board is for annual production of 0.5 million tonnes. The Indian Bureau of Mines approval for the mining plan has also been obtained. Public Hearing was held on 04.07.1998. The total capital cost is Rs. 4.00 crores.

2. The Ministry of Environment & Forests hereby accords environmental clearance to the above opencast limestone mining project to produce 0.5 million tonnes / annum of limestone under the provisions of the Environmental Impact Assessment Notification, 1994 as amended on 04.05.94 and 10.04.97 subject to strict compliance of the following specific and general terms and conditions:

**A. Specific conditions**

- (i) Andhra Pradesh Pollution Control Board's fresh consent should be obtained for producing 30.25 lakhs tonnes / annum of limestone for the first five years prior to increase in already consented annual production capacity of 0.50 million tonnes.
- (ii) Top soil should be properly stacked at earmarked dump site(s) with adequate measures and should be used for reclamation and rehabilitation of mined out areas.
- (iii) Check dams and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted and maintained.

Garland drain (size, gradient & length) and sump capacity should be designed keeping 50 % safety margin over and above the peak sudden rainfall and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.

- (iv) A 30 m wide green belt all around the ML area should be developed by planting the native plant species in consultation with local DFO/ Agriculture Department. At least 1600 plant species / ha. should be planted. Plantation should also be raised along the roads, OB dump sites etc.
- (v) Blasting operations should be carried out only during the day time. Controlled blasting should be practiced. The mitigative measures for

control of ground vibrations and to arrest fly rocks and boulders should be implemented.

- (vi) Back filling of excavated area should concurrently start from 7<sup>th</sup> year of operations.
- (vii) A detailed mine decommissioning plan should be submitted to the Ministry of Environment & Forests 5 years in advance for approval.
- (viii) The drills should be attached with dust extraction system.
- (ix) Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring should be done four times a year – pre-monsoon (April / May), monsoon (August), post-monsoon (November) and winter (January). Data thus collected should be sent at regular intervals to MoEF & the Central Ground Water Authority.

#### A. GENERAL CONDITIONS

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment and Forests.
- (ii) No change in the calendar plan including excavation, quantum of limestone, waste/ OB dumps should be made.
- (iii) Three ambient air quality monitoring stations should be established in the core zone as well as buffer zone for SPM, RPM, SO<sub>2</sub>, NO<sub>x</sub> and CO monitoring. Location of the ambient air quality stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets in consultation with the State Pollution Control Board.
- (iv) Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office at Bangalore and the State pollution control Board/ Central pollution Control Board once in six months.
- (v) Adequate measures for control of fugitive emissions should be taken during drilling and blasting operations, loading and transportation of minerals etc.



- (vi) Adequate measures should be taken for control of noise levels below 85 dbA in the work environment.
- (vii) Vehicular emissions should be kept under control and regularly monitored.
- (viii) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects

Occupational health surveillance programme of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.

- (ix) The funds earmarked for Environmental protection measures should be kept in separate account and not diverted for other purpose. Year-wise expenditure should be reported to the Ministry of Environment & Forests.
- (x) The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated environmental safeguards. The project authorities, should send one set of EIA/EMP report and mining plan to them and extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
- (xi) The project authority should inform to the Regional Office located at Bangalore as well as to the Ministry of Environmental & Forests regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xii) The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
- (xiii) The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within seven days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also


be seen at web site of the Ministry of Environment & Forests at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.

2. The Ministry or any other competent authority may stipulate any further condition for environmental protection.
4. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.
5. The above conditions will be enforced, *inter alia*, under the provisions of water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and Public Liability Insurance Act, 1991 along with their amendments and rules.

(Dr.T.Chandini)  
Additional Director

Copy to:

- (i) Secretary, Department of Environment & Forests, Government of Andhra Pradesh, Secretariat, Hyderabad.
- (ii) Chief conservator of Forests, Regional Office, Bangalore
- (iii) Chairman, A.P. Pollution Control Board, 2<sup>nd</sup> floor, HUDA Complex, Maitrivanam, S.R. Nagar, Hyderabad - 500038
- (iv) Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, Arjun Nagar, Delhi - 110032.
- (v) Monitoring file.
- (vi) E I Division, Ministry of Environment and Forests, New Delhi
- (vii) Guard file.
- (viii) Record file.

  
(Dr.T.Chandini)  
Additional Director