

F. No. J-11011/516/2011-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
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New Delhi - 110 003
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Tele/fax: 011 - 2436 3973
Dated: 16th August, 2012

To,

M/s Madras Cements Limited
5th Floor, Auras Corporate Centre,
No. 98A, Dr. Radhakrishnan Road,
Mylapore, Chennai - 600 004

Ph: 044- 28478666

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Sub Expansion of Cement Grinding Unit (from existing 1.0 MTPA to 2.0 MTPA) in Sl. Nos 121, 123 and 124 Parts in Singhipuram Village, Taluk Valapadi, District Salem in Tamil Nadu by **M/s Madras Cements Limited- regarding Environmental clearance**

Sir,

This has reference to your letter no. MCL/Salem/CGU Expn/1 C/05-12 dated 3.02.2012 along with a copy of EIA/EMP report and subsequent communication dated 22.05.2012 seeking environmental clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined your application. It is noted that M/s. Madras Cements Ltd. have proposed for the expansion of Salem Cement Grinding Unit at village Singhipuram, Taluk Valapadi in Salem District of Tamil Nadu from the existing 1.0 MTPA to 2.0 MTPA. No forest land and rehabilitation/resettlement is involved in the proposal. For supporting infrastructures like truck parking, fuel bunk, green belt etc. additional land of 6 ha will be added to existing 8.1 Ha of area. On expansion, green belt will be developed in additional 3 ha. Green belt will be developed in an area of 5.83 ha. No ecologically sensitive areas such as National Park/ Wildlife Sanctuary/Biosphere Reserve/Historical monuments, defence installations, etc. exist within 10 km radius of the Plant site. There are reserved forests in the study Area viz. Veilalakundam RF at a distance of 4.0 km in southwest, Goodumalai RF at a distance of 4.5 km in northwest and Mangalapuram RF at a distance of 6.7 km the south. NOC from DFO, Athur has been obtained. Existing plant cost is Rs. 95.00 crores and project cost for expansion is Rs. 83.00 crores. Capital Cost for Pollution Control Measures is Rs. 3.00 crores and Rs. 5.00 lakhs per annum is the Operating Cost.

3. It is noted that all the point sources and material transfer points are provided with bag filters to control particulate emissions $<50 \text{ mg/Nm}^3$. Dust collected from various bag filters would be reused as raw material in the process of cement grinding and there will be no solid waste generation from the Unit.

4. Entire plant operations are dry processes and fresh water requirement will be $95 \text{ m}^3/\text{day}$. Permission from the CGWA has been obtained for water drawl on 01.02.2012. On expansion, additional domestic effluent ($18 \text{ m}^3/\text{day}$) will be generated. The sewage from the Plant will be treated in the existing septic tank followed by dispersion trench. Zero effluent discharge would be adopted. Rain Water Harvesting Schemes are proposed to conserve the water.

5. The stand alone cement grinding units are covered under Category 'B' as per para 3(b) of the Schedule of the EIA notification 2006, but due to non functioning of SEIAA/SIAC of Tamil Nadu, the proposal has been appraised by the Expert Appraisal Committee. I

(Industry) in the Ministry. Cement grinding units are the only units which have been categorized as Category B2 by the Expert Appraisal Committee-1 (Industry)

6. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 34th meeting held during 29th - 30th March, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions

7. Based on the information submitted by you, presentation made by you and consultant, M/s. Environmental System Consultants & Ambiente Lab Solutions Private Limited, Chennai, 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 of the following Specific and General conditions.

A. SPECIFIC CONDITIONS:

- i. Particulate emissions shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system viz. Bag filters and stacks of adequate height etc. Data on ambient air, fugitive and stack emissions shall be submitted to the Ministry's Regional Office at Bangalore, SPCB and CPCB regularly.
- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(L) dated 16th November, 2009 should be followed.
- iii. Gaseous emission levels including secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB should be followed.
- 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. All the raw material stock piles should be covered. A closed clinker stockpile system shall be provided. All conveyers should be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transportation of materials shall be provided besides cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.
- v. Asphaltting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- vi. Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash should be transported in the closed containers only and should not be overloaded. Vehicular emissions should be regularly monitored.
- vii. Total water requirement shall not exceed 95 m³/day and necessary permission for the drawl shall be obtained. All the treated wastewater should be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.

- viii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir shall be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
- ix. All the bag filter dust, raw meal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / reprocessors only.
- x. Green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
- xi. At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on locals need and item wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program should be ensured accordingly in a time bound manner.
- xii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

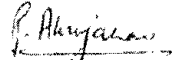
B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Tamil Nadu State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bangalore and the SPCB/CPCB once in six months.
- 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 EPA Rules 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vi. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
- vii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.

- viii The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ix The requisite amount shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bangalore. The funds so provided shall not be diverted for any other purpose.
- x A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body and the local NGO if any from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
- xi The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEF at Bangalore. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xii The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bangalore/ CPCB / SPCB shall monitor the stipulated conditions.
- xiii The environmental statement for each financial year ending 31st March in Form V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bangalore by e-mail.
- xiv 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 SPCB 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 at Bangalore.
- xv 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.
- 8 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.


9. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

10. The above conditions shall 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, Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules.


(Dr. P.L. Ahujara)
Scientist 'F'

Copy to:

1. The Secretary (Environment), Govt. of Tamil Nadu, Fort St. George, Chennai 600009
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan (CB) cum Office Complex, East Arjun Nagar, Delhi-110032
3. The Chairman, Tamil Nadu Pollution Control Board, 100, Anna Salai, Gundy Chennai - 600032.
4. The Chief Conservator of Forests (Central), Regional Office (S/Z) Kendriya Sadan, IVth Floor, E&F Wings, 7th Main Road, IInd Block, Koramangala Bangalore 560034
5. Monitoring Cell, Ministry of Environment and Forests, Parvavaran Bhavan CGO Complex, New Delhi.
6. Guard File / Monitoring File / Record File.


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