

All Communication to Government should give the Number, Date and Subject at any previous Correspondence and be addressed to the Secretary of the Department concerned.

Government of West Bengal

Department of Environment
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Date: 15/01/2008

From : Chief Environment Officer

To
M/s. Madras Cements Ltd.
"Auras Corporate Centre"
V Floor, 98-A, Dr. Radhakrishnan Road
Mylapore, Chennai - 600 004

Subject : Environmental Clearance for the cement grinding proposed to be established at Rakshachak Anchal Amalhanda Village, Kolaghat Tehasil, Purba Medinipur of M/s. Madras Cements Ltd.

This has a reference to your application no. nil dated 21st July, 2007 and subsequent communications in this regard, praying for Environmental Clearance for the cement factory grinding proposed to be established at Rakshachak Anchal Amalhanda Village, Kolaghat Tehasil, Purba Medinipur of M/s. Madras Cements Ltd. The proposal has been examined and processed in accordance with EIA Notification, 2006.

It is noted that the salient features of the project, for which Environmental Clearance has been considered are as follows :-

1. This is a proposed Cement Grinding unit with installed capacity of 0.95 MTPA. It is noted that clinker will not be manufactured at the site. The manufacturing process will involve grinding of Cement Clinker with Flyash and Gypsum.
2. Salient features of the proposed project are :
 - i Location of the Site - Vill. - Rakshachak, Anchal Amalhanda, PO & PS - Kolaghat, Dist. - Purba Medinipur, Pin - 721134, West Bengal.
 - ii Land Area - 50.46 acres of land (to be transferred by lease). The proposed unit shall be established over the abandoned ash pond of Kolaghat Thermal Power Station. (As per Locational details of the site, Land documents - MoU with KTPS, Letter of the Department of Power & Non-Conventional Energy Sources for relinquishment of land measuring 50.46 Acres in KTHP ash pond no. 1B in favour of L & LR Department for subsequent transfer by lease to M/s. Madras Cement Ltd. for setting up a cement grinding unit.)
 - iii Installed Production Capacity - Portland Pozzolona Cement (PPC) : 0.95 MTPA (Million Tonnes Per Annum)
 - iv Raw Materials - Clinker (0.6175 MTPA), Fly Ash (0.285 MTPA) and Gypsum (0.0475 MTPA).
 - v Emission Sources - All the emission sources including grinding unit, ball mill section, wagon tippler, silo, packing section etc. shall be provided with Bag Filters and minimum stack height of 30m, to achieve emission standard less than 50mg/Nm³.

- vi Water Requirement - 175 KLD, subject to the approval of groundwater authority as per provision of The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- vii Power Requirement – 8 MW, WBSEB.

The State Level Environment Impact Assessment Authority (SEIAA) examined the proposal and also perused the recommendations of the State Level Expert Appraisal Committee (SEAC).

After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority (SEIAA) accords environmental clearance to the project as per the provisions of Environmental Impact Assessment Notification no. S.O.1533 dt. 14th September, 2006 of Ministry of Environment & Forests, GOI subject to strict compliance of the terms and conditions mentioned below:

A. SPECIFIC CONDITIONS :

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. Cement grinding shall be carried out in closed cement mill. Further, provision of dust extraction and pollution control system consisting of highly efficient Bag Filters, ID Fan and minimum stack height of 30m from G.L. should be made for control of emission. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 50 mg/Nm³ as proposed.
- iii. The height of stacks should be as per the proposal and presentation.
- iv. Air quality monitoring data from at least three locations within 2 km of the plant premises should be submitted.
- v. Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.
- vi. All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided.
- vii. Dust suppression system should be provided to arrest fugitive emission.
- viii. Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yards, cement bag loading areas and other high dust potential areas.
- ix. Suction head should be provided at all transfer points.

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- x. Groundwater shall not be abstracted without prior permission of competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- xi. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
- xii. Clinker manufacturing / heating is not permitted under this environmental clearance.
- xiii. Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
- xiv. The unit shall develop rainwater harvesting structures and the harvested water should be utilised for gardening and other purposes. Groundwater recharge is not permitted.
- xv. Green belt shall be developed within the plant premises. At least 33% of the area should be kept for green belt development. As proposed at least 9276 nos. of trees should be planted. Apart from greenbelt, the unit may also develop social forestry giving priority to the fruit trees. Selection of appropriate species for the plantation programme may be done in consultation with the Forest Department of the respective area.
- xvi. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- xvii. All internal roads should be pitched. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper house keeping shall be maintained within the premises.
- xviii. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xix. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xx. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- xxi. The social responsibility programmes must be carried out as per the proposal submitted to SEIAA.
- xxii. All necessary care and safety measures should be taken
 - a) to avoid any structural damage in and around the site and
 - b) to minimize the fugitive emission during the construction of cement plant at the abandoned ash pond of KTHP.



B. GENERAL CONDITIONS :

- i The project proponent shall comply with all the environmental protection measures and safeguards recommended. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- ii All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- iii Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
- iv The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- v No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority.
- vi The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority.
- vii In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA.
- viii The State Level Environment Impact Assessment Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- ix The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA (<http://enviswb.gov.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.
- x The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.



- xi Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- xii The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.
- xiii The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

Yours faithfully,



(S Mukherjee)
Member Secretary, SEIAA &
Chief Environment Officer