

Department of Environment
Government of West Bengal
Block G, 2nd Floor, Writers Building
Kolkata :700001

No. EN/ 2404 /T-II-1/032/2011

Date : 29 / 09 /2011

To
M/s. Dankuni Cement Works
(A Unit of M/s. Ultra Tech Cement Ltd.)
7th Floor, Constantia Office Complex
11, Dr. U.N. Brahmachari Road
Kolkata – 700 017

Subject : Environmental Clearance for the proposed Cement Grinding Unit (2.0 Million TPA) alongwith DG Sets (2x6 MW) of M/s. Dankuni Cement Works (A Unit of M/s. Ultratech Cement Ltd.), at Jl. No. – 80, Vill. & Mouza – Panchgarha, PS - Chanditala, Dist. – Hooghly, West Bengal.

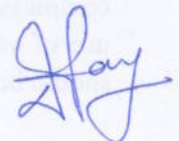
Sir,

This has a reference to your application dated 05/04/2011 and subsequent communications for Environmental Clearance for the proposed Cement Grinding Unit (2.0 Million tonnes per annum) alongwith DG Sets (2x6 MW) of M/s. Dankuni Cement Works (A Unit of M/s. Ultratech Cement Ltd.), at Jl. No. – 80, Vill. & Mouza – Panchgarha, PS - Chanditala, Dist. – Hooghly, West Bengal.

The proposal has been examined and processed in accordance with EIA Notification, of 2006. It is noted that the proposed proposal is a proposal for installation of a Cement Grinding unit (2.0 million tonnes per annum) alongwith DG Sets (2x6 MW). 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.

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

- i. Location of the Site - Jl. No. – 80, Vill. & Mouza – Panchgarha, PS - Chanditala, Dist. – Hooghly, West Bengal.
- ii. Land Area – 41.67 ha (103.78 acres), Greenbelt Area 14.97 ha.
- iii. Raw Materials & Fuel – Clinker (4000-4500 tonnes per day), Flyash (1350-1900 tonnes per day), Gypsum (280-350 tonnes per day), HFO (50 KLD).
- iv. Production Capacity - Portland Pozzolona Cement (6000 tonnes per day x 330 days i.e. 2.0 million tonnes per annum).
- v. Emission Sources - Raw Material Handling Sections, Transfer Points, Ball Mills with Roller Press system (BMRP), Cement Silo, Packing Section etc.
- vi. Air Pollution Control System – Bag Filters with stack of adequate height shall be provided at Raw Material Handling Sections, Transfer Points, Ball Mills, Cement Silo, Packing Section etc.
- vii. Water requirement – 500 KLD, Ground water.
- viii. Effluent – Domestic effluent (24 KLD) will be disposed off through septic tank and soak pit.
- ix. Hazardous Wastes – Oily Sludge (0.35 TPM), Spent Oil (4.0 KL once in two years) to be disposed off as per Rules.
- x. Power requirement – 10 MW, WBSEDCL.
- xi. Back-up Power - DG Sets (2x6 MW, only for emergency backup).

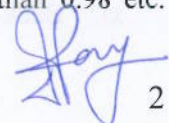


Conditions for Environmental Clearance for the proposed Cement Grinding Unit (2.0 Million TPA) alongwith DG Sets (2x6 MW) of M/s. Dankuni Cement Works (A Unit of M/s. Ultratech Cement Ltd.), at Jl. No. – 80, Vill. & Mouza – Panchgarha, PS - Chanditala, Dist. – Hooghly, West Bengal. Name of the Consultant – M/s. J.M. Environet Pvt. Ltd.

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 accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as 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. Provision of dust extraction and pollution control systems alongwith minimum stack height of 30m from G.L. should be made for control of emission. Highly efficient Pulse Jet Bag Filters & ID Fan should be provided for Raw Material Handling Section, Ball Mill, Silo, and Packing Section. The stack emission should not exceed 50 mg/Nm³. Continuous online monitoring system with opacity meter should be installed in the main stack. Stack emissions shall be monitored at regular intervals and records maintained.
- iii. Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained. The ambient air quality standards as per GSR 826 (E) dated 16.11.2009 to be maintained.
- iv. 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.
- v. 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. Suction head should be provided at all transfer points.
- vi. 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.
- vii. Groundwater shall not be abstracted without prior permission of the local body as well as the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- viii. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
- ix. Clinker manufacturing / heating is not permitted under this environmental clearance.
- x. Adequate measures shall be adopted for minimizing the specific energy consumption of cement grinding. Use of energy efficient equipment like roller press, high efficiency fans, motors & compressors, energy efficient lighting and other appliances, autotransformer, use of solar energy, use of variable speed drives, utilization of flyash, maintaining power factor more than 0.98 etc. should be carried out as proposed in the letter dated 08.06.2011.



- xi. Solid waste viz. dust generated shall be properly recycled and reutilized in the process itself.
- xii. Adequate provisions should be made for harvesting rainwater. The unit may develop water body of adequate capacity to harvest rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Groundwater is not permitted.
- xiii. Green belt shall be developed within and around the plant premises in consultation with DFO / West Bengal Wasteland Development Corporation Ltd/ West Bengal Biodiversity Board. As proposed, at least 36% of the land area should be covered by plantation. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.
- xiv. 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).
- xv. 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.
- xvi. 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.
- xvii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xviii. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- xix. The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. Atleast 5% of the project cost should be utilised for Corporate Social Responsibility programmes.

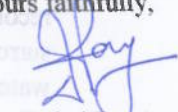
B. GENERAL CONDITIONS :

- i. The environmental clearance accorded shall be valid for a period of 5 years for the proposed project.
- ii. 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.
- iii. 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.
- iv. 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.

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- v. 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.
- vi. 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, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- vii. No further expansion or modifications in the plant should be carried out without prior approval of the State Environmental Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
- viii. 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 Environmental Impact Assessment Authority, West Bengal.
- ix. The State Level Environment Impact Assessment Authority, West Bengal 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.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA, West Bengal (<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.
- xi. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, 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.
- xii. 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, Handling and Transboundary Movement) Rules, 2009, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

Yours faithfully,



(Debal Ray)

Member Secretary, SEIAA &
Chief Environment Officer