

# STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Poura Bhavan, Block 'FD'-415A, 4<sup>th</sup> Floor, Sector – III,

Salt Lake, Kolkata – 700 106

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Website : [www.environmentwb.gov.in](http://www.environmentwb.gov.in)

No. 2077 /EN/T-II-1/047 /2012

Date : 14 / 08 /2015

To  
M/s. Cement Manufacturing Company Limited  
Satyam Towers  
3, Alipore Road, 1<sup>st</sup> Floor  
Unit 9B, Kolkata – 700 027

*SUB. : Environmental Clearance for the proposed stand alone Cement Grinding Unit of capacity 1.6 MTPA by M/s. Cement Manufacturing Company Ltd. at Mohitnagar Railway Crossing, Mouza-Kharia & Patkala, Dist – Jalpaiguri, West Bengal.*

Sir,

This has a reference to your application dated 10/12/2012 and subsequent communications for environmental clearance for the proposed stand alone Cement Grinding Unit of capacity 1.6 MTPA by M/s. Cement Manufacturing Company Ltd. at Mohitnagar Railway Crossing, Mouza-Kharia & Patkala, Dist – Jalpaiguri, West Bengal.

The proposal has been examined and processed in accordance with the EIA Notification, 2006. It is noted that the proposed proposal is for stand alone Cement Grinding unit of capacity 1.6 MTPA with coal fired CPP of capacity-10 MW. It is noted that clinker will not be manufactured at the site. The manufacturing process will involve only grinding of Cement Clinker with Flyash/Slag 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 – Mouza-Patkata, J.L no-5, Mouza-Kharia, J.L no-7, Mohitnagar, Dist – Jalpaiguri, West Bengal. Latitude & Longitude: 26° 31'48.05"N & 88°39'58.46"E'.
- ii. Land Area – 39.98 acres (acquired & lease hold).
- iii. Greenbelt – 13.20 acres i.e. 33% of land area.
- iv. No. of trees to be planted – 3750 nos.
- v. Raw Materials – Clinker-2603 TPD, Slag-1357 TPD, Gypsum-96 TPD, Fly ash-792 TPD and Coal for HAG.
- vi. Production capacity- OPC-0.106 MTPA, PSC-0.746 MTPA, PPC-0.746 MTPA.
- vii. Emission Sources –

Description	Capacity	APCD
Cement grinding (VRM)	1x260 TPH	Bag filter
Cement Storage silos	2x10000 T	Bag filter
Clinker Storage silos	1x22000 T	Bag filter
Fly ash storage silo	1x12000 T	Bag filter
Packer	2x180 TPH	Bag filter
Coal fired hot air generator (HAG)	1x 20 Million Kcal/hr	Bag filter
Coal crusher & mill for HAG	1x4 TPH	Bag filter
Wagon & Truck tippler	---	Bag filter
Raw material hoppers & mill bucket elevator	---	Bag filter

- viii. Water Requirement – 250 KLD (Ground water source)
- ix. Solid waste – All dust generated will be recycled and reused in the process.
- x. Wastewater – domestic effluent to be treated in STP and treated waste water shall be recycled.

*Conditions for Environmental Clearance for the proposed stand alone Cement Grinding Unit of capacity 1.6 MTPA by M/s. Cement Manufacturing Company Ltd. at Mohitnagar Railway Crossing, Mouza-Kharia & Patkala, Dist – Jalpaiguri, West Bengal.*

- xi. Solar power – At least 100KW solar power to be generated and utilized.

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused 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. 14<sup>th</sup> 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 Cyclone separators, Pulse Jet Bag Filters & ID Fan should be provided for Raw Material Handling Section, Ball Mill, Silo, Packing Section. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 50 mg/Nm<sup>3</sup>.
- 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 product 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 be abstracted as per prior permission obtained from the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- viii. Water meter to be installed at every inlet point of fresh water uptake, STP inlet & outlet including discharge point of treated water and regular records to be maintained.
- ix. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
- x. Clinker manufacturing is not permitted under this environmental clearance. Clinker and fly ash shall be stored in the closed silos and gypsum in covered shed.
- 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. Storage tanks with at least 10000 KL capacity to be created for harvesting rain water and this amount of harvested rain water to be used in plant. Recharging of groundwater is not permitted.
- xiii. Green belt shall be developed within the plant premises. At least 33% of the area should be kept for green belt development. At least 3750 nos. of recommended trees to be planted. Indicative list of species is given at Annexure-I. 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).

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- xv. At least 100 KW solar power to be generated and utilized.
- xvi. 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.
- xvii. 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.
- xviii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xix. All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.
- xx. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.
- xxi. Transportation of raw materials and finished products should not be less than 90% of the traffic (inward & outward put together)
- xxii. 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. The proponent shall undertake community welfare measures in the project area involving infrastructure development in local schools etc.

**B. GENERAL CONDITIONS :**


- i. The environmental clearance accorded shall be valid for a period of 7 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, sanitation programme for local school 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.
- 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 Level Environment 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 Level Environment 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. A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation 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 website of the Company by the proponent.
- xi. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the respective zonal office of the WBPCB. The criteria pollutant levels namely: SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- xii. 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://environmentwb.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.
- xiii. 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.
- xiv. 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.
- xv. The contact details of the proponent and the name of the consultant are given below –

Name of the Contact person with Designation	Mr. Pankaj Kejriwal, Executive Director
Address	281, Deepali, Pitampura, New Delhi – 110 034.
Email	delhi@cmcl.co.in
Telephone Number, Fax Number	Fax no. 011 2703 3824 Phone no. 011 2703 3821
Name of the Consultant	M/s. Development Consultants Pvt. Ltd.

  
( Dr. Jose T. Mathew )  
Chief Environment Officer &  
Member Secretary, SEIAA

No. 2077 /EN/T-II-1/047/2012 /1(5)

Date : 14 / 08 /2015

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB
2. Monitoring Cell, Department of Environment, Government of West Bengal.
3. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar – 751 023, Orissa.
4. Chief Inspector of Factories, Factories Directorate, 1, K.S. Roy Road, Kolkata – 700 001.
5. Guard file / Record file.

Sd/-  
Chief Environment Officer &  
Member Secretary, SEIAA

**LIST OF TREES PROPOSED FOR PLANTATION**

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Artocarpus heterophyllus</i>	Kanthal	300
2.	<i>Tectona grandis</i>	Teak	200
3.	<i>Dalbergia sissoo</i>	Sissoo	300
4.	<i>Samanea saman</i>	Rain tree	30
5.	<b><i>Albizia lebbek</i></b>	Siris	30
6.	<i>Ficus bengalensis</i>	Bot	30
7.	<i>Ficus religiosa</i>	Ashathwa	30
8.	<i>Terminalia arjuna</i>	Arjun	200
9.	<i>Bauhinia variegata</i>	Bauhinia	150
10.	<i>Gmelina arborea</i>	Gamari	200
11.	<i>Mimusops elengi</i>	Bakul	200
12.	<i>Trema orientalis</i>	Pigeon wood	100
13.	<i>Swietenia mahogany</i>	Mahogany	200
14.	<i>Saraca asoca</i>	Ashoka	150
15.	<i>Polyalthia longifolia</i>	Debdaru	500
16.	<i>Peltophorum Pterocarpum</i>	Radhachura	110
17.	<i>Delonix regia</i>	Gulmohor	100
18.	<i>Cassia fistula</i>	Bandarlathi	350
19.	<i>Lagerstroemia speciosa</i>	Jarul	200
20.	<i>Alstonia scholaris</i>	Chhatim	370
		<b>Total</b>	<b>3750</b>