

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA.

No. SEIAA/HR/2013/647

Dated: 04-09-2013

To,

M/s JK Cement Limited.
 Kailash Nagar, Nimbahera,
 Distt. Chittorghar (Raj.) India

Subject: Environmental Clearance for proposed clinker grinding unit to the tune of 2.0 Million TPA unit of J. K. Cement Ltd. at Village Jharli, Tehsil Matanhail, Dist. Jhajjar, Haryana.

Dear Sir,

This has reference to your application no. MGR/PC-10 dated 25-04-2011 addressed to Director, IA (III) MOEF GOI and transferred to Chairman SEIAA vide file no. J-11011/268/2011-IA-II (I) dated 27-08-2012 received in the office of SEIAA on 06-09-2012 and subsequent letters dated 20-07-2011, 28-07-2012, 25-10-2012, 01-11-2012, 07-11-2012 seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, pre-feasibility report, EIA/EMP on the basis of approved TOR and the additional clarifications furnished in response to the observations of the EAC of MoEF, GoI and State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 21.4.2008, in its meetings held on 30-06-2011 (EAC of MoEF, GoI), 11-10-2012 and 07-11-2012.

[2] The EAC/SEAC have examined the application and noted that the proposal is for setting up of Clinker Grinding Unit of 2.0 MTPA at Village Jharli, Tehsil Matanhail, Dist. Jhajjar, Haryana by M/s J.K Cement Limited. Kailash Nagar, Nimbahera, Distt. Chittorghar (Raj.) India. The total cost of the project will be Rs.403.62 crores. The plot area required for this project is 28.65 Hect. The CLU has been granted by Town and Country Planning Department on 21-06-2011.

[3] It is noted that the project proponent has proposed to install a new Clinker grinding unit of capacity of 2.0 MTPA. It was noticed that no Clinker manufacturing is involved. The raw material required for the unit will be Clinker (1.4 MTPA), Fly Ash (0.5 MTPA), Gypsum (0.1 MTPA). The Clinker will be procured from cement plant at Rajasthan, Gypsum from mines of Rajasthan and Fly Ash from adjacent Thermal Power Plant. The process involves extraction of Clinker, Fly Ash and Gypsum from their respective hoppers in appropriate quantity and is fed to ball mill for grinding. To control particulate emissions, bag filters shall be installed. Fly ash & Clinker shall be stored in silos, gypsum shall be stored in covered shed. Regular water sprinkling on haulage road

will be carried. Better maintenance and installation of proper pollution control equipment like Bag filters/Bag house will help in reducing emissions. The product is separated in a vent bag filter and same is transported in closed conveyors to a cement storage silo for further packing in bags and dispatch.

The fresh water requirement will be 300 KLD (85 KLD for Domestic and 215 KLD for Industrial purposes) and the source will be bore-wells. The project proponent shall obtain NOC from CGWA for abstraction of ground water. The green belt shall be developed on 9.4 hect (33%) of project area. No industrial waste water will be generated from the Cement grinding process. Domestic waste water generated from the plant will be treated in STP of 60 KLD capacity the treated waste water shall be recycled and reused for green belt development. The sullage shall be treated and use is manure. The power requirement shall be 14 MW and shall be met from UHBVN. There will be no discharge outside the plant premises. No solid waste will be generated from the grinding unit. However, dust collected in the dust collectors would be recycled in the process.

[4] The project activity is listed at S.No. 3(b) under Category 'B' of schedule of EIA Notification 2006 and the same has been appraised by EAC of MoEF, GoI as Category B2 due to use of energy efficient technology, clinker manufacturing at the proposed site, no sensitive area within 10 km radius, 'zero' effluent discharge, utilization of all the solid waste in the process itself including utilization of fly ash etc. The TOR's were approved by MoEF on 20-07-2011 and final EIA/EMP was submitted on 28-07-2012 to SEAC, Haryana.

After considering the facts mentioned above, the SEIAA in its 55th meeting held on 06-08-2013 decided to accept the recommendation of EAC/SEAC and decided to accord environmental clearance to above project under the provisions of EIA notification dated 14.09.2006 subject to the compliance of the following specific and general conditions:-

PART A-

A. SPECIFIC CONDITIONS :

- [1] Particulate emissions shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system viz. Bag house 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 Chandigarh, SEIAA Haryana, HSPCB, Panchkula and CPCB regularly.
- [2] The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
- [3] 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.

- [4] The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, vehicular movement, bagging and packing areas etc. All the raw material stock piles shall be covered. A closed clinker stockpile system shall be provided. All conveyers shall 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.
- [5] Asphaltting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the 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 PM 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.
- [6] 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 shall be transported in the closed containers only and should not be overloaded. Vehicular emissions should be regularly monitored. The vehicles should have Pollution Under Control certificate.
- [7] Total ground water requirement for the cement plant shall not exceed 300m³/day and necessary permission for the drawl shall be obtained. All the treated wastewater shall 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 shall be adopted.
- [8] 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.
- [9] All the bag filter dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / re-processors only.
- [10] 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.

- [11] 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 SEIAA Haryana/ RO MoEF, GoI, Chandigarh. Implementation of such program should be ensured accordingly in a time bound manner.
- [12] The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, 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.
- [13] The Sewage Treatment Plant (STP) of 60 KLD capacity shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. Discharge of treated sewage shall conform to the norms and standards of HSPCB, Panchkula. Project Proponent shall implement such STP technology which does not require filter backwash
- [14] The sullage generated shall be treated and used as manure.

B. GENERAL CONDITIONS:

- [i] The project authorities must strictly adhere to the stipulations made by the Haryana 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 SEIAA, Haryana.
- [iii] The gaseous emissions from various process units shall conform to the load/mass based standards notified by 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 shall be established in the downward direction as well as where maximum ground level concentration of PM_{2.5}, 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 SEIAA including Regional Office MoEF, GoI at Chandigarh the HSPCB Panchkula 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 at least three 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] As proposed, Rs 748 Lakh shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures and EMP to implement the conditions stipulated by the SEIAA Haryana, as well. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the SEIAA, Haryana Regional Office of the Ministry at Chandigarh. 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 SEIAA Haryana, Regional Office of the MoEF at Chandigarh and HSPCB Panchkula. The criteria pollutant levels namely; PM_{2.5}, 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 SEIAA Haryana, Regional Office of MoEF, Chandigarh and HSPCB Panchkula. The Regional Office of this MoEF, GoI at Chandigarh/ HSPCB shall monitor the stipulated conditions.

- [m] 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 along with the status of compliance of environmental conditions and shall also be sent to SEIAA Haryana and Regional Office of the MOEF at Chandigarh by e-mail.
- [n] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness. 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.
- [o] The SEIAA Haryana may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- [p] The SEIAA Haryana reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- [q] 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.
- [r] The project proponent shall provide for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.



Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula.

Endst. No. SEIAA/HR/2013

Dated:.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MOEF, GOI, CGO Complex, Lodi Road, New Delhi.
2. The Regional office, Ministry of Environment & Forests, Govt. of India, Sector 31, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, Pk1.


Member Secretary,
State Level Environment Impact
Assessment Authority, Haryana, Panchkula