

**F. 1(4)/SEIAA/SEAC-Raj/Sectt/Project/Cat.3 (b) B1 (342)/10-11
Government of India**

**Ministry of Environment and Forests
(I.A. Division)**

**Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110003**

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Tele/fax: 011 – 24369734

Dated: 29th November, 2012

To,

The President,
M/s Birla Corporation Limited
Birla Building, 9/1, R.N. Mukherjee Road,
Kolkata- 700 001

Ph: 01472- 256601; Fax: 01472- 256609; E-mail:

**Sub: New Cement Grinding Unit with Fly Ash Dryer (0.75 MTPA) at Plot No. Spl-1, Spl-2
RIICO Paryavaran Industrial Area, Sakatpura, Kota, Rajasthan by M/s. Birla
Corporation Limited - regarding reconsideration of Environmental Clearance**

Sir,

This has reference to the letter No. F. 1(4)/SEIAA/SEAC-Raj/ Sectt/ Project/Cat.3(b) B1(342)/10-11 dated 30th December, 2011 from Member Secretary, SEIAA, Rajasthan transferring the proposal for consideration for environmental clearance along with copy of final EIA/EMP report and your communication dated 5th June, 2012 seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment & Forests have examined your application. It is noted that M/s. Birla Corporation Limited have proposed for setting up of Cement Grinding Unit (0.75 MTPA) at Plot No. Spl-1, Spl-2, RIICO Paryavaran Industrial Area, Village Sakatpura, Tehsil Ladpura, District Kota, Rajasthan. The project area is 5.72 ha which has been acquired and green belt will be developed in 33% of the plant area. The Chambal wildlife sanctuary is located at 3 km distance from the Sakatpura Industrial area and adjacent to the existing Kota Super Thermal Power Plant. The Kota Super Thermal Power Plant is in between the project site and the Chambal wildlife sanctuary. PPC and OPC will be manufactured by using closed circuit grinding system. Fly ash drying unit will also be installed. Clinker, Fly Ash and Gypsum are the raw materials that will be used. Clinker, Fly ash and Gypsum will be sourced from the sister unit at Chittorgarh, Rajasthan, Kota Super Thermal Power Plant and Bikaner, Rajasthan respectively. The power requirement of 5 MVA will be sourced from JVVNL. The project cost is Rs.110 Crore and the cost towards EMP is Rs. 4.9 Crore.

3. The water requirement of 72 m³/d will be sourced from Chambal River and by adopting rainwater harvesting. No process wastewater is generated. The sewage will be treated in STP and used for green belt development. The bag house dust collector will be installed to control particulate emissions. The fugitive dust will be controlled by sprinkling the water on the internal roads and material handling area. No hazardous waste except lube oils will be stored at site. About 1,000 litres of lube oil will be generated which will be

disposed to authorized used oil recyclers. Ash generated from fly ash dryer will be reused for cement grinding. Rejects from fly ash dryer facility would be sent back to the ash pond of Kota Thermal Power Station.

4. The stand-alone cement grinding units are listed at S.No. 3(b) under category 'B' and appraised by the SEIAA/SEAC. Since the project site falls within 10 km of Chambal wildlife sanctuary, as per the General Condition of EIA Notification, 2006, the project has been appraised by the Expert Appraisal Committee (Industry-1) of MoEF. Public hearing is not required as the unit is located in the notified industrial area.

5. The proposal was considered by the Expert Appraisal Committee-1 (Industry) in its 34th meeting held during 29th - 30th March, 2012. The committee sought the additional information for reconsideration. On receipt of additional information the proposal for reconsideration was placed before the Expert Appraisal Committee-1 (Industry) during 14th - 15th June, 2012. The Committee recommended the project for grant of environmental clearance subject to stipulation of environmental safeguards.

6. Based on the information submitted by you and your consultant, M/s Cholamandalam MS Risk Services Limited, Chennai, also made a presentation before the EAC. After detailed deliberations, the committee recommended the project for environmental clearance subject to stipulation of following specific conditions along with other environmental conditions:

A. SPECIFIC CONDITIONS

- i. Environmental clearance is subject to obtaining clearance under the Wildlife (Protection) Act, 1972 from the Standing Committee of National Board for Wildlife. Further, grant of environmental clearance does not necessarily implies that Wildlife clearance shall be granted to the project and the proposal shall be considered by the National Board for Wildlife on merits. The investment made in the project, if any, based on environmental clearance so granted, in anticipation of clearance from the wildlife angle shall be entirely at the cost and the risk of the company and Ministry of Environment and Forests in this regard shall not be responsible in any manner.
- ii. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ petition (Civil) no.460 of 2004, as may be applicable to this project.
- iii. The proponent shall construct a stone wall fencing of (8' height, 6 km length) proposed 'Abhera biological park' which is nearby the project area
- iv. 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 Lucknow, SPCB and CPCB regularly.
- v. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
- vi. 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.

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- vii. 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.
- viii. 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 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.
- ix. 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.
- x. Total water requirement shall not exceed 72 m³/d 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.
- xi. 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.
- xii. 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.
- xiii. 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.
- xiv. 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 Lucknow. Implementation of such program should be ensured accordingly in a time bound manner.
- xv. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, 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 authority shall adhere to the stipulations made by RSPCB and State Government.
- ii. No further expansion or modification of the plant shall be carried out without prior approval of this Ministry.
- 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 RSPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location. At no time, the emission level shall go beyond the prescribed standards. Interlocking facilities shall be provided so that process can be automatically stopped in case emission level exceeds the limit.
- iv. 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 Environmental (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- v. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vi. All the environment management measures given in the EIA/EMP report shall be implemented and complied with.
- vii. The company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- viii. Proper housekeeping and adequate occupational health programmes shall be taken up as per the Factory Act.
- ix. The company shall undertake eco-development measures including community welfare measures in the project area.
- x. A separate environmental management cell to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
- xi. The requisite funds shall be earmarked towards total capital cost and recurring cost/annum for environmental pollution control measures and used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
- xii. The 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.
- xiii. 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,

Copy to:

1. Secretary, Department of Environment and Forests, Government of Rajasthan, Jaipur, Rajasthan.
2. Chairman, Rajasthan State Pollution Control Board, 4, Institutional area, Jhalana, Doongri, Jaipur, Rajasthan.
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
4. Chief Conservator of Forests (Central), Ministry of Environment and Forests, Central Region, Kendriya Sadan, Sector H, Aliganj, Lucknow – 226 024, U.P.
5. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhawan, CGO Complex, New Delhi.
6. Guard File / Monitoring File / Record File.

(Dr. M.Ramesh)
Scientist 'C'

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.

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- xiv. 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, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM_{10} (ambient levels) 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.
 - xv. 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 respective Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow/CPCB/RSPCB shall monitor the stipulated conditions.
 - xvi. 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 Offices of the MOEF by e-mail.
 - xvii. 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 RSPCB and may also be seen at the Website of the Ministry of Environment and Forests at <http://envfor.nic.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 and a copy of the same shall be forwarded to the Regional office at Lucknow.
7. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
8. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
9. 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.

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