

07459-23227

भारत सरकार  
पर्यावरण एवं वन मंत्रालय  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT & FORESTS

BY SPEED POST  
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E-mail: sonchita@meff.nic.in  
sansom\_2859@yahoo.co.in

File No. J-11011/30/2006-IA-II (I)

To,

Date: 17<sup>th</sup> July 2007

M/s Mangalam Cement Limited  
P.O. Aditya Nagar- 326 520  
Morak, Kota  
Rajasthan

Subject: New Cement Plant of 1.75 MTPA Clinker Capacity and 17.5 MW  
Captive Power Plant at Morak, Ramganj Mandi, Kota, Rajasthan by  
M/s Manglam Cements Ltd - Environment Clearance Regarding.

Sir,

Kindly refer to your letter No. Nil dated 28<sup>th</sup> November 2006 seeking  
Environment Clearance for the above mentioned project.

2. The Ministry of Environment and Forests has examined the proposal and noted that it is proposed to set up a new cement unit with a capacity to produce 1.75 MTPA Clinker, 1.80 MTPA OPC, 2.10 MTPA PPC and a CPP of 17.5 MW at Morak village in Ramganj Mandi Tahasil in Kota District of Rajasthan. Total cost of the Project is Rs. 437.19 Crores which includes cost of environmental protection. Rs. 2.91 Crores would be the recurring cost for environmental protection. Area required for the project is 37.0 Ha out of which about 12 ha is proposed for Green Belt Development. No agriculture land, forest land or ecologically sensitive area exists within 7 Km periphery of the Project Site. The Project does not involve any R & R as no new acquisition of land is involved. It was confirmed that no Wildlife Sanctuary exists within 10 km area. No endangered species of Flora and Fauna has been reported. The Cement Plant will be Dry Process and Precalcination technology based and CPP will be Coal based with AFBC Boiler and Air Cooled Condenser system. Raw material requirement would be 6190 TPD of Lime stone, 150 TPD of Blue Dust, 1170 TPD of High

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जहाँ है हरियाली।  
यहाँ है खुशहाली।

पर्यावरण भवन, सी.जी.ओ. कॉम्प्लेक्स, लोदी रोड, नई दिल्ली - 110 003  
PARYAVARAN BHAWAN, C.G.O. COMPLEX, LODHI ROAD, NEW DELHI - 110003

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Grade Lime stone, 255 TPD of Gypsum, 765 TPD of Fly Ash and 969 TPD of Coal. Lime stone will be sourced from the captive mines; high grade Lime stone will be purchased from market and Coal will be taken from SECL & WCL. Power requirement will be met by the Coal based Captive Power Plant of 1 x 17.5 MW capacity. Low Sulphur and Indian Coal (350 TPD) as Fuel. The total water requirement will be 1310 m<sup>3</sup>/d which will be met from Mine sump water. About 40 KLD will be sourced from the ground water and 36 KLD from other sources. Public Hearing of the project was held on 24.02.2007.

3. The project category is listed at 3(b) in the Schedule of EIA Notification, 2006 and is of Category 'A'. The proposal has been considered under the EIA Notification 1994 as per Para 2.2.1 (i) (b) of the Interim Operational Guidelines of 13<sup>th</sup> October 2006 since EIA/EMP report was prepared and the Public Hearing (PH) was already conducted.

4. Based on the information submitted by you, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to the compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS

i. The gaseous emissions from various units shall conform to the standards prescribed by the State Pollution Control Board. Bag filters and Electrostatic Precipitator of highest efficiency shall be installed and Particulate Emissions from the cement plant shall be less than 50 mg/Nm<sup>3</sup> and for CPP, the same will be less than 100 mg/Nm<sup>3</sup>. Particulate emissions from DG House will be restricted to 40 mg/Nm<sup>3</sup>.

ii. For the control of air emission from the Captive Power Plant, a four chambered Electro Static Precipitator with a stack height of 75 m shall be installed. The Raw mill and Kiln and Coal Mill will have stacks of 112 m and 110 m respectively. The Clinker Cooler and Cement Mill will have stacks of 55 m each.

iii. Continuous On-line monitors for particulate emissions, SO<sub>2</sub> and NO<sub>x</sub> in Raw/kiln mill, clinker cooler, coal mill, cement mill etc. shall be provided and shall make necessary arrangements for submission of On-line real time emission data to CPCB website. Interlocking facility shall be provided between pollution

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control equipment and the process operation so that in the event of the pollution control equipment not working, the respective unit (s) is shut down automatically.

- iv. Low NO<sub>x</sub> burners shall be installed to control NO<sub>x</sub> emissions.
- v. Regular Ambient Air Quality Monitoring shall be carried out. The monitoring stations will be set up in consultation with the State Pollution Control Board. It will be ensured that at least one monitoring station is set up in up-wind & in down-wind direction along with those in other directions. On-line data for air emissions shall be transferred to the CPCB and MPCB regularly. The instruments used for ambient air quality monitoring shall be calibrated regularly.
- vi. Raw material will be stored in covered yards and clinker shall be stored in Silos or in a dome with all round high sidewalls to control fugitive emissions. Fugitive emissions from cement mill, packing area and coal yard shall also be controlled.
- vii. Dust collectors and extraction system (suction apparatus) shall be installed to control fugitive dust emissions at coal and lime stone unloading points, at all the transfer points, stockpiles to arrest free release of dust.
- viii. Materials will be transported in tippers, covered trucks, covered containers, covered rail wagons etc.
- ix. Windbreakers will be installed to restrict fugitive dust.
- x. Water sprinkling arrangement should be made in the raw material stock yard and dust collectors in cement bag loading areas.
- xi. Total water requirement shall be met from Mine Sump and shall not exceed 1310 m<sup>3</sup>/d. 40 Kld will be sourced from the ground water and 36 from other sources. Permission from the Ground water Board will be submitted as soon as received.
- xii. Minimum Cycle of Concentration (COC) for the CPP will be 5.0.

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xiii. The wastewater from CPP and domestic activities shall be treated in Effluent Treatment Plant (ETP) and Sewage Water Reclamation Plant (SWRP) respectively and recycled/reused in cement plant for make-up. In CPP for cooling, dust suppression, other plant related activities and green belt development. No wastewater will be released outside the premises. 'Zero' discharge shall be strictly adopted. During monsoon, the wastewater will be stored in the mine pit.

xiv. The entire domestic effluent generated from the colony will be reused, after treatment, in the cement plant for cooling / plantation / gardening purpose. The treated water and sludge will also be used for green belt development.

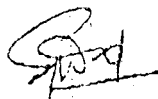
xv. Solid waste generated shall be 100 % recycled and reutilized in the process itself and no solid waste shall be disposed off outside the plant premises. 150 TPD Fly Ash from Captive Power Plant will be used in the cement manufacturing process along with bottom ash. The Sludge generated from the Sewage Treatment Plant will be 1.0 TPM, which will be used as manure. Waste oil sludge shall be reused in the plant and finally burnt in the kiln or sold to authorized recyclers/ re-processors.

xvi. The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).

xvii. As agreed, green belt shall be developed in 12 ha area in consultation with DFO and it will be as per CPCB guidelines.

xviii. The company shall harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.

xix. The Company will have a Occupational Health and Safety Programme and regular medical check ups shall be undertaken for the employees and workers.



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**B. GENERAL CONDITIONS**

- i. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB) and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the MPCB. Regular monitoring shall be carried out for relevant parameters.
- iv. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.
- v. Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May 1993, 31<sup>st</sup> December, 1993 and as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- vi. The overall noise levels in and around the plant area shall be limited within the prescribed standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- vii. Proper House keeping and adequate occupational health programmes shall be taken up. Regular Occupational Health Surveillance Programme shall be carried and records shall be maintained properly for at least 30-40 years. The programme shall include lung function and sputum tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.
- viii. A separate environment management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.

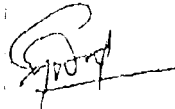


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- ix. Adequate funds shall be earmarked to meet the capital cost and recurring cost/annum for the environmental protection measures shall be used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.
  - x. The concerned Regional Office of this Ministry / State Pollution Control Board / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly and will be placed on the web site of the Company.
  - xi. The Project Proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at Website of the Ministry and Forests at <http://envfor.nic.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bhopal.
  - 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 start of land development work.
5. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  6. The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.
  7. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention &

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Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 along with their amendments and rules.

  
(Sanchita Jindal)  
Additional Director

Copy to :

1. The Secretary, Department of Environment and Forests, Govt. of Rajasthan.
2. The Chief Conservator of Forests (Central), Ministry of Environment & Forests, Regional Office, Lucknow - 462 016, U.P.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Rajasthan Pollution Control Board, Jalana dunguri, Jaipur, Rajasthan.
5. Advisor (CCI-I) Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Monitoring Cell, Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
7. Guard File.
8. Monitoring File.
9. Record File.

(Sanchita Jindal)  
Additional Director



राजस्थान राज्य प्रदूषण नियंत्रण मण्डल  
RAJASTHAN STATE POLLUTION CONTROL BOARD  
4, Institutional area, Jhalana Doongri, Jaipur.  
Phone: 5101871,5101872 EPBAX: 5159600,5159699 Fax: 5159694-97  
www.rpcb.nic.in

F. Tech (C-075)/RPCB/CPM/ 474

Date 27/8/13

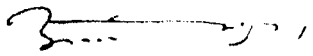
President  
Mangalam Cement Ltd  
P.O- Aditya Nagar-326520  
Morak  
Distt- Kota

Sub:-Consent to establish under the Water (Prevention & Control of Pollution) Act-1974 and Air (Prevention & Control of Pollution) Act-1981 for your proposed cement plant. Unit-III of 1.75 MMTPA clinker production capacity.

Ref:- Your applications dated 25/06/2013.

Considering the facts submitted by you in your application referred above the consent to establish under Water (Prevention & Control of Pollution) Act, 1974 & Air (Prevention & Control of Pollution) Act-1981 issued to you vide this office letter No F.12(21-292)RPCB/Gr I/2062 dated 19-12-2007 and subsequent extension issued vide letter no- F Tech(C-075)RPCB/CPM/637 dt 27-12-2010; the validity of consent to establish under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, limited up to clinker production is hereby extended up to 30-11-2016 or till the date of commissioning of the unit whichever is earlier, with all the conditions imposed in the said consent letter

This bears the approval of the competent authority

  
(Ashok Kumar Gupta)  
Sr. Environmental Engineer (CPM)

Copy to the following for information & necessary action:-  
(i) R.O. RPCB, Kota.  
(ii) Master File.

/  
(Ashok Kumar Gupta)  
Sr. Environmental Engineer (CPM)



F. No. J-11011/119/2012-IA-II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003

E-mail: [r.sundar@nic.in](mailto:r.sundar@nic.in)  
Telefax: 011: 2436 6739  
Dated: 22<sup>nd</sup> March, 2013

✓ To  
The President (W&P)  
M/s Mangalam Cement Limited  
Mangalam 93, Dushera Scheme,  
P.O.Dadabari, Kota, Rajasthan - 324009

Ph: 0744-2500266 ; Fax : 0744-2500178  
E-mail: [mclhta@kappa.net.in](mailto:mclhta@kappa.net.in)/[jmenviron@hotmail.com](mailto:jmenviron@hotmail.com)

**Subject:** Expansion of Cement grinding capacity (from 1.3 MTPA to 1.7 MTPA) at village Morak, Tehsil-Ramganj Mandi, District Kota in Rajasthan by **M/s Mangalam Cement Limited - regarding Environmental Clearance**

Sir,

This has reference to your letter no. Nil dated 5.7.2012 along with copies of EIA/EMP report seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M M/s.Mangalam Cement Ltd have proposed expansion of Cement Grinding Capacity by addition of Fly ash (from 1.3 to 1.7 MTPA) At Village: Morak, Tehsil: Ramganj Mandi, District: Kota (Rajasthan).Total Plant area is 36 ha. As the proposed expansion will be within the existing plant premises, no additional land acquisition is required for the proposed expansion project. 33% of the total project area has already been developed under greenbelt and the same will be maintained & further enhanced for proposed expansion project. No National Park, Wildlife Sanctuary, Biosphere Reserve exist within 10 km radius of the study area. Two Reserved Forests (3.5 km in NE direction and 3.5 km in NW direction) and two Protected Forest (2.2 km in WSW direction and 4.8 km in ENE direction) exist within 10 km radius of the study area.R&R is not applicable. Total cost of the project is Rs. 84.5 Lakhs. Capital cost for Environmental Protection Measures is Rs. 7.50 Lakhs and Recurring Cost is Rs. 2.5 Lakhs /annum. Environmental Clearance for the existing plant was accorded on 5.4.2007 and Public Hearing was held on 23.12.2006.

3. Details of the products along with their production capacity are given below:

Project Activity	Existing capacity (Line I) (MTPA)	Proposed Expansion (Line II) (MTPA)	Total Capacity After Expansion (MTPA)
Clinker	0.99	None	0.99
Cement	1.3	0.4	1.7

4. Major raw materials required for the proposed expansion project is Fly ash, which will be sourced from Kota thermal power plant, captive power plant, Parichha Thermal Power Station Jhansi, Chabra Thermal power Plant, Chabra and Adani Power Ltd., Jhalawar. The Gypsum will be procured from nearby areas in Rajasthan. Existing Power requirement is 15 MW. Additional Power required for the proposed expansion project will be 1.01 MW, which will be sourced from Rajasthan State Electricity Board (RSEB), Captive Power Plant (I & II) and Wind farms.

5. It is noted that to control particulate emissions, all major sources of air pollution are provided with ESPs/ Bag filters to maintain the PM emission level below 50 mg/Nm<sup>3</sup>. All material transfer points have been provided with bag filters to entrap the emissions at the source itself. Clinker is stored in gantry covered, fly ash is stored in silo and gypsum in covered shed.

6. It is noted that the existing water requirement for the project is 642 m<sup>3</sup>/day, sourced from the Mine sump water. No additional water will be required for proposed expansion. No industrial wastewater is generated from the Cement Plant.

7. No solid waste is generated in cement manufacturing process. Dust collected from various pollution control equipments is recycled back to the process. Sewage Treatment Plant (STP) Sludge is utilized as manure for green belt development within the plant premises.

8. The proposed expansion project activity falls under Category B of the Schedule of EIA Notification, 2006, since it is an expansion of a Category A project, the proposal is appraised by the Expert Appraisal Committee (Industry) of MoEF under schedule 3(b) of the EIA Notification, 2006.

9. The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 3<sup>rd</sup> meeting held during 3-5<sup>th</sup> December, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. The proposal is exempted from public hearing as per Para 7(II) of EIA Notification 2006 due to no additional land and water allocation requirement, use of energy efficient technology, no 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.

10. Based on the information submitted by you, presentation made by you and your consultant, M/s. J.M. EnviroNet Pvt. Limited Gurgaon, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS :**

- i. Particulate emissions shall be controlled within 50 mg/Nm<sup>3</sup> 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, State Pollution Control Board (SPCB) and CPCB regularly.

- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 should be followed.
- iii. 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.
- iv. 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 coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.
- v. 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.
- vi. Measures shall be taken to mitigate 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.
- vii. Total water requirement shall not exceed 642 m<sup>3</sup>/d. Efforts shall be made to further reduce water consumption by using air cooled condensers. 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.
- viii. 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.
- ix. 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.
- x. 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.
- xi. 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.

- xii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets 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 authorities must strictly adhere to the stipulations made by the Rajasthan 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 Ministry of Environment and Forests.
- iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB/CPCB once in six months.
- iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
- 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- 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. 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. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. 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 Regional Office of the MOEF at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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 Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.
  - xiii. The environmental statement for each financial year ending 31<sup>st</sup> 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 the respective Regional Office of the MOEF at Lucknow by e-mail.
  - xiv. 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 SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall 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 should be forwarded to the Regional office at Lucknow.
  - xv. 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.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
13. 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.
14. This issues with the prior approval of the Competent Authority.

  
(Sundar Ramathan)  
Deputy Director(S)

**Copy to:-**

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

  
**(Sundar Ramanathan)**  
**Deputy Director(S)**

F. No. J-11011/110/2012-IA-II (I)  
Government of India  
Ministry of Environment and Forests  
(I.A. Division)

Paryavaran Bhawan  
CGO Complex, Lodhi Road  
New Delhi – 110 003

E-mail: [r.sundar@nic.in](mailto:r.sundar@nic.in)  
Telefax: 011: 2436 6739  
Dated: 22<sup>nd</sup> March, 2013

To

M/s Neer Shree Cement  
(A unit of M/s Mangalam Cement Limited)  
Mangalam 93, Dushera Scheme,  
P.O.Dadabari, Kota, Rajasthan - 324009

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**Sub: Expansion of cement grinding capacity (from 1.7 MTPA to 2.3 MTPA) at Village Morak, Tehsil-Ramganj Mandi, District Kota in Rajasthan by M/s Neer Shree Cement (A Unit of M/s Mangalam Cement Limited) - regarding Environmental Clearance**

Sir,

This has reference to your letter no. Nil dated 5.7.2012 along with copies of EIA/EMP report seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Neer Shree Cement (a unit of M/s. Mangalam Cement Limited) have proposed for expansion of Cement Grinding Capacity (from 1.7 to 2.3 MTPA) at Village: Morak, Tehsil: Ramganj Mandi, District: Kota (Rajasthan). Total Plant area is 94 ha. Since, the proposed expansion will be within the existing plant premises, no additional land will be required for the same. 33% of the total project area has already been developed under greenbelt and the same will be maintained & further enhanced for proposed expansion project. No National Park, Wildlife Sanctuary and Biosphere Reserve fall within 10 km radius of the study area. Two Reserved Forests (at 3.5 km in NE direction and 3.5 km in NW direction) and two Protected Forests (at 2.2 km in WSW direction and 4.8 km in ENE direction) exist within 10 km radius study area. No R&R is applicable. Total cost of the project is Rs. 2.865 Crores. Capital cost for Environmental Protection Measures is Rs. 7.5 lakhs and Recurring Cost is Rs. 2.5 lakhs/annum. Environmental Clearance for the existing plant was accorded on 5.4.2007 and Public Hearing was held on 23.12.2006.

3. Details of the products along with their production capacity are given below:

Project Activity	Existing capacity (MTPA)	Proposed Expansion (MTPA)	Total Capacity After Expansion (MTPA)
Clinker	1.32	None	1.32
Cement	1.7	0.6	2.3

4. Major raw materials required for the proposed expansion project is Fly ash, sourced from Captive Power Plant, Kota Thermal Power Plant (TPP) and nearby TPPs. Other raw material is Gypsum which will be procured from nearby areas in Rajasthan. Existing Power requirement is 17 MW. Additional Power required for the proposed expansion project is 0.76 MW, which will be sourced from Rajasthan State Electricity Board (RSEB), wind farms & own power source.
5. It is noted that to control particulate emissions, all major sources of air pollution are provided with ESPs/ Bag filters to maintain the PM emission level below 50 mg/Nm<sup>3</sup>. All material transfer points have been provided with bag filters to entrap the emissions at the source itself. Clinker is stored in gantry covered, fly ash is stored in silo and gypsum in covered shed.
6. It is noted that the existing water requirement for the project is 1,240 m<sup>3</sup>/day, sourced from the Mine sump water. No additional water will be required for proposed expansion. No industrial wastewater is generated from the Cement Plant.
7. No solid waste is generated in cement manufacturing process. Dust collected from various pollution control equipments is recycled back to the process. Sewage Treatment Plant (STP) Sludge is utilized as manure for green belt development within the plant premises.
8. The proposed expansion project activity falls under Category B of the Schedule of EIA Notification, 2006, since it is an expansion of a Category A project, the proposal is appraised by the Expert Appraisal Committee (Industry) of MoEF under schedule 3(b) of the EIA Notification, 2006.
9. The proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) in its 3<sup>rd</sup> meeting held during 3-5<sup>th</sup> December, 2012. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. The proposal is exempted from public hearing as per Para 7(II) of EIA Notification 2006 due to no additional land and water allocation requirement, use of energy efficient technology, no 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.
10. Based on the information submitted by you, presentation made by you and your consultant, M/s. J.M. EnviroNet Pvt. Limited Gurgaon, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006 subject to strict compliance of the following Specific and General conditions:

**A. SPECIFIC CONDITIONS :**

- i. Particulate emissions shall be controlled within 50 mg/Nm<sup>3</sup> 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, State Pollution Control Board (SPCB) and CPCB regularly.
- ii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16<sup>th</sup> November, 2009 should be followed.



- iii. 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.
- iv. 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 coal, cement, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.
- v. 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 SPM 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.
- vi. 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.
- vii. Total water requirement shall not exceed 1,240 m<sup>3</sup>/day. Efforts shall be made to further reduce water consumption by using air cooled condensers. 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.
- viii. 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.
- ix. 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.
- x. 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.
- xi. 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.
- xii. The company shall provide housing for construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets 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 authorities must strictly adhere to the stipulations made by the Rajasthan 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 Ministry of Environment and Forests.
  - iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM<sub>10</sub>, SO<sub>2</sub> and NO<sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Lucknow and the SPCB/CPCB once in six months.
  - iv. Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19<sup>th</sup> May, 1993 and 31<sup>st</sup> December, 1993 or as amended from time to time. The treated wastewater shall be utilized for plantation purpose.
  - 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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
  - vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
  - 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. 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. Requisite funds shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Lucknow. 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.
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- xii. 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 at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM<sub>10</sub>, SO<sub>2</sub>, NO<sub>x</sub> (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.
  - xiii. 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 Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.
  - xiv. The environmental statement for each financial year ending 31<sup>st</sup> 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 the respective Regional Office of the MOEF at Lucknow by e-mail.
  - xv. 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 SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall 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 should be forwarded to the Regional office at Lucknow.
  - xvi. 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.
11. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
  12. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
  13. 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.
  14. This issues with the prior approval of the Competent Authority.

  
(Sundar Ramanathan)  
Deputy Director(S)

Copy to:-

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

  
**(Sundar Ramanathan)**  
**Deputy Director(S)**