

F. No. J-11011/30/2007-IA II (I) (Pt.)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

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Dated: 19th December, 2016
20th

To

✓ **M/s Mangalam Cement Ltd.**
93, Daashera Scheme, P.O Dadabari,
Kota, Rajasthan – 324009.

Subject: Expansion of Cement Plant [clinker (4.06 MTPA to 5.30 MTPA), Cement (6.10 MTPA to 9MTPA), Power (35 to 52.5MW)] by M/s Mangalam Cement Limited, located at Village Morak, Tehsil Ramganj Mandi, District Kota, Rajasthan – Environmental Clearance regarding.

Sir,

This has reference to your online application No. IA/RJ/IND/25375/2014 dated 6th June, 2016 along with copies of EIA and EMP report seeking environmental clearance under the provisions of the EIA Notification, 2006 for the project mentioned above. The Ministry had prescribed TORs to the project on 31.12.2014. Amendment in the ToR was issued vide letter dated 15th December, 2015. The proposed project activity is listed at S.No. 3(a) in primary metallurgical industry under Category 'A' of the Schedule of EIA notification 2006 and appraised by the Expert Appraisal Committee (Industry) of Ministry of Environment, Forest and Climate Change.

2.0 The project of M/s Mangalam Cements Limited is located at Village Morak, Tehsil Ramganj Mandi, District Kota, State Rajasthan. It is proposed to increase the clinker production from 4.06 MTPA to 5.30 MTPA and cement production from 6.10 MTPA to 9.0 MTPA by optimization of unit I & II and upgrading capacity of Unit III and increase of power generation from 35 MW to 52.5 MW. The entire Cement Plant is located in an area of 167 ha. No additional area will be required for expansion. The land is already in possession of M/s MCL since long and hence no R&R is involved. No Forest area is involved. Darrah Wildlife Sanctuary (also known as Game Sanctuary) is located at a distance of 7.5 to 8.0 km in NE direction.

3.0 The topography of the area is Flat terrain situated between 24°43'21.73" to 24°42'51.76" N latitude & 75°56'32.29" to 75°57'32.78" E longitude in Survey of India topo sheet No. 45/P/4, at an elevation of 350m AMSL. The ground water table is reported to be 3m to 8m below the land surface during the post-monsoon season and 15m to 22m below the land surface during the pre-monsoon season. Based on results of hydro geological survey conducted in the area, it was observed that ground water occurs in water table condition in weathered sedimentary rock and the area is designated as critically exploited area. No Schedule-I species was sighted in the core zone. It has been mentioned by the project

proponent that all the direct sightings of the peacock were located near the human dominated and forest areas. Following table shows the existing and the proposed facility:

Cement Plant	Present Consented Capacity as per MoEF&CC (EC Obtained)			Capacity after proposed enhancement (EC Requested)		
	Clinker	Cement	Power (MW)	Clinker	Cement	Power (MW)
	(MTPA)			(MTPA)		
Unit –I	0.99	1.70	35	1.90	3.22	52.5
Unit –II	1.32	2.30		1.40	2.37	
Unit –III	1.75	2.10		2.00	3.41	
Total	4.06	6.10		5.30	9.00	

4.0 The targeted production capacity of the Clinker is 5.30 million TPA and cement is 9.0 Million TPA. The limestone for the plant would be procured from the captive mines. The limestone transportation will be done through Conveyor. The present water requirement of the plant including colony is about 3192 m³/day. Additional water requirement for proposed expansion is 500 m³/day. Water for the plant is sourced from Mine pit. No ground water extraction is proposed for the existing and the proposed facility.

5.0 Cement plant is having a dedicated 132 KV overhead line from Rajasthan State Electricity Board (RSEB) power grid and 35 MW Captive Thermal Power Plants with in the cement plant for un-interrupted power supply. Same power is being supplied to the mine also. A new Power Plant of 17.5 MW will be installed with all necessary infrastructures. It has been reported that there are no habitation in the core zone of the project. No R&R is involved.

6.0 There is no waste generation from the project. Fly ash generated from the proposed power plant will be utilized for Cement production. An area of 57.40 ha has been developed as green belt around the project site to attenuate the noise levels and trap the dust generated due to the project development activities.

7.0 The Public hearing of the project was held on 06.04.2016 at the office of Sub Divisional Officer, Ramganjmandi, District Kota which was chaired by Additional District Collector (Adm) Kota. The issues raised during public hearing inter-alia include continuation of CSR activities, employment provision for locals etc.

8.0 The capital cost of the project is Rs 637.5 crores and the capital cost for environmental protection measures is proposed as Rs 65 crores. The annual recurring cost towards the environmental protection measures is proposed as Rs 38.82 crore. The proponent has mentioned that there is no court case to the project or related activity.

9.0 The proposal was considered by the Expert Appraisal Committee (EAC) for (Industry - I) during its 9th meeting held on 27th - 29th July, 2016 and 10th meeting held on 29th August to 31st August, 2016 and recommended the project for Environmental Clearance and stipulated Specific Conditions along with other environmental conditions while considering for accord of environmental clearance.

10.0 The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee (Industry-I) and hereby decided to grant environmental clearance to the above mentioned expansion of Cement Plant [clinker (4.06 MTPA to 5.30 MTPA), Cement (6.10 MTPA to 9MTPA) Power (35 to 52.5MW)] by M/s Mangalam Cement Limited, under the provision of EIA Notification, 2006, as amended, subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITION:

- i. The project proponent shall install 24x7 air monitoring devices to monitor air emissions, as provided by the CPCB and submit report to Ministry and its Regional Office.
- ii. The Standards issued by the Ministry vide G.S.R. No. 612 (E) dated 25th August, 2014 and subsequent amendment dated 9th May, 2016 and 10th May, 2016 regarding cement plants with respect to particulate matter, SO₂ and NO_x shall be followed.
- iii. Prior clearance from the Standing Committee of the National Board for Wildlife shall be obtained due to location of the plant in the buffer zone of Darrah Wildlife Sanctuary, before commencing any expansion activity relating to the project at site. All the conditions stipulated by the Standing Committee shall be effectively implemented in the project. It shall be noted that this clearance does not necessarily implies that wildlife clearance shall be granted to the project and that your proposal for wildlife clearance shall be considered by the competent authorities on its merit and decision taken. The investment made in the project, if any based on environmental clearance granted to the project, in anticipation of the clearance from wildlife clearance shall be entirely at the cost and risk of the project proponent and Ministry of Environment, Forest and Climate Change shall not be responsible in this regard, in any manner.
- iv. The project proponent shall not draw ground water for the project.
- v. The standards issued by the Ministry vide S.O. 3305(E) dated 7.12.2015 regarding thermal power plants shall be followed.
- vi. Two High Volume Samplers should be installed at the boundary of the wild life sanctuary suitably to continuously monitor the parameters and maintain records. These records shall be submitted along with the 6 monthly compliance report to the Ministry's Regional Office.
- vii. Continuous stack monitoring facilities for all the stacks shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels below 50 mg/Nm³ and installing energy efficient technology.
- viii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.



- ix. A statement on carbon budgeting including the quantum of equivalent CO₂ being emitted by the existing plant operations, the amount of carbon sequestered annually by the existing green belt and the proposed green belt and the quantum of equivalent CO₂ that will be emitted due to the proposed expansion shall be prepared by the project proponent and submitted to the Ministry and the Regional Office of the Ministry. This shall be prepared every year by the project proponent. The first such budget shall be prepared within a period of 6 months and subsequently it should be prepared every year.
- x. For the employees working in high temperature zones falling in the plant operation areas, the total shift duration would be 4 hrs or less per day where the temperature is more than 50°C. Moreover, the jobs of these employees will be alternated in such a way that no employee is subjected to working in high temperature area for more than 1 hr continuously. Such employees would be invariably provided with proper protective equipments, garments and gears such as head gear, clothing, gloves, eye protection etc. There should also be an arrangement for sufficient drinking water at site to prevent dehydration etc
- xi. Vehicular pollution due to transportation of raw material shall be controlled. Proper arrangements shall also be made to control dust emissions during loading and unloading of the raw material.
- xii. 'Zero' effluent discharge shall be strictly followed and no wastewater shall be discharged outside the premises.
- xiii. Regular monitoring of influent and effluent surface, sub-surface and ground water shall be ensured and treated wastewater shall meet the norms prescribed by the State Pollution Control Board or described under the Environment (Protection) Act, 1986.
- xiv. Proper handling, storage, utilization and disposal of all the solid waste shall be ensured and regular report regarding toxic metal content in the waste material and its composition, end use of solid/hazardous waste shall be submitted to the Ministry's Regional Office, SPCB and CPCB.
- xv. A time bound action plan shall be submitted to reduce solid waste generated due to the project related activities, its proper utilization and disposal
- xvi. A Risk and Disaster Management Plan shall be prepared and a copy submitted to the Ministry's Regional Office, SPCB and CPCB within 3 months of issue of environment clearance letter.
- xvii. Green belt shall be developed in at least 33% of the project area by planting native and broad leaved species in consultation with local DFO and local communities as per the CPCB guidelines. 10 to 15 m wide green belt should be developed all along the boundary of the site and both the side of the road.
- xviii. All the commitments made to the public during Public Hearing/public consultation meeting shall be satisfactorily implemented and adequate budget provision shall be made accordingly.

- xix. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment based on Public Hearing issues, locals need and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured by constituting a Committee comprising of the proponent, representatives of village Panchayat and District Administration. Action taken report in this regard shall be submitted to the Ministry's Regional Office.
- xx. The proponent shall prepare a detailed CSR Plan for every year for the next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation, etc) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause 135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to RO. The details of the CSR Plan shall also be uploaded on the company website and shall also be provided in the Annual Report of the company.
- xxi. The Company shall submit within three months their policy towards Corporate Environment Responsibility which shall inter-alia address (i) Standard operating process/procedure to bring into focus any infringement/deviation/ violation of environmental or forest norms/conditions, (ii) Hierarchical system or Administrative order of the Company to deal with environmental issues and ensuring compliance to the environmental clearance conditions and (iii) System of reporting of non-compliance/violation environmental norms to the Board of Directors of the company and/or stakeholders or shareholders.
- xxii. 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.
- xxiii. The project proponent shall provide for solar light system for all common areas, street lights, villages, parking around project area and maintain the same regularly.
- xxiv. The project proponent shall provide for LED lights in their offices and residential areas.

B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Rajasthan 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, Forests and Climate Change (MoEFCC).

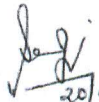
- iii. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly 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 19th May, 1993 and 31st 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, Forest and Climate Change (MoEFCC) 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 MOEFCC at Lucknow. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; 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 Regional Office of MOEFCC, 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 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 the respective Regional Office of the MOEFCC 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, Forests and Climate Change (MoEFCC) 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.

11.0 The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

12.0 The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

13.0 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.


 20/12/2016
(Dr. Satish C. Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Rajasthan .
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110032.
3. The Chairman, Rajasthan State Pollution Control Board, 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur, Rajasthan 302004.

4. The Additional Principal Chief Conservator of Forests (C) Ministry of Environment Forest and Climate Change Regional Office (CZ) Kendriya Bhawan, 5th Floor, Sector "H" Aliganj, Lucknow-226020.
5. Guard File / Record File/Monitoring file.

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