

State Level Environment Impact Assessment Authority, Uttar Pradesh

Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow - 226 010

Phone : 91-522-2300 541, Fax : 91-522-2300 543

E-mail : doeuplko@yahoo.com

Website : www.sciaaup.com

To,

Shri S.S. Jain,
President (W.P.),
M/s Mangalam Cement Ltd.,
Adiyta Nagar, Morak, Kota,
Rajasthan-326520

Ref. No. 997/Parya/SEAC/1134/2013/OSD(T)

Date: 07/8 August, 2014

Sub: Environmental Clearance for "1.25 MTPA OPC/1.99 MTPA PPC Clinker Grinding unit and DG based Power Plant (5.4 MW X 2) at UPSIDC(CDF), Plot No. K-1, Industrial Area, Aligarh, U.P. of M/s Mangalam Cement Ltd-Regarding.

Dear Sir,

Please refer to your application/letters dated 01-02-2012, 07-01-2013 & 08-04-2014 addressed to the Secretary, SEAC and Director, Directorate of Environment Govt. of UP on the subject as above. A presentation was made a by EIA consultant India Glycols Ltd.(Environment Management Division) Bazipur Kashipur along with Mr. S.D. Arya, Vice President of the project in State Level Expert Appraisal Committee (SEAC) meeting dated 20-06-2013.

The Project proponent informed to the SEAC that earlier the application dt. 02.02.2012 submitted by the project proponent M/s Manglam Cement Ltd. was considered by the SEAC in its meeting Dt. 09.05.2012 and the TOR was issued to the applicant for further submission of the rapid EIA. In compliance of the directions of the SEAC, the case was presented by the EIA consultant India Glycols Ltd.(Environment Management Division) Bazipur Kashipur along with Mr. S.D. Arya, Vice President of the project proponent for "Mangalam Cement Ltd. (clinker grinding Unit).It was brought to the knowledge of the Committee that the consultant M/s Indian Glycols Ltd.(Environment Management Division) is not approved by the QCI and it has obtained a stay order from the Hon' High Court , Uttarakhand, Nainital staying the effect and the operation of the office memorandum dt. 02.12.2009, 18.03.2010, 28.05.2010, 28.06.2010 and others in this regard. Based on this stay order the said consultant was allowed for the presentation. The SEAC considered the case on the basis of presentation made by the consultants and documents submitted previously (from 1, Prefeasibility report) for the proposed project & have been given to understand that:

1. The environmental clearance is sought for "1.25 MTPA OPC/1.99 MTPA PPC Cement and DG based Power (5.4 MW X 2) Cement Production Clinker Grinding unit to be setup at UPSIDC (CDF) plot no. K-1, Industrial Area Dist. Aligarh, U.P of M/s Mangalam Cement Ltd.
2. The project is covered under category 3"b" & 1"d" of EIA notification, 2006 as amended.
3. Project details is as follows:-

Serial Number	Item	Details		
1.	Name of the project	Mangalam Cement Limited		
2.	Location of the project	UPSIDC (CDF), Plot K- 1, Industrial Area , Aligarh.		
3.	Total project area	30.42 Acre		
4.	Proposed Project	Installation of New Clinker Grinding Unit & DG set		
5.	Proposed capacity Clinker Grinding & DG set	Clinker Grinding Unit – 1.99 MTPA (OPC: 1.25 MTPA & PPC : 1.99 MTPA) DG set – 2 × 5.4(For Backup)		
6.	Total project cost	Rs 206 crores		
7.	Category of Project	'B'		
8.	Raw material		For OPC	For PPC
		Clinker -	1.175	1.175
		Gypsum	0.075	0.119
		FlyAsh	-	0.696
		HSD	1900 Liter/Day	
9.	Water requirement	170 KLD (NOC Obtained)		
10.	Waste water generation	Zero Discharge		
11.	Waste water discharge	ZERO		
12.	Fuel quality & quantity	HSD – 1900 Liters/ Day		
13.	Air pollution control device	Bag Filters with 99 % efficiency		
14.	Stack Detail	Above 30 Meters		
15.	Solid waste generation and its disposal Fly ash from Process And Dust Collecting Equipment	Will be recycled in the process		
16.	Power requirement	8.0 MW (From Grid Power) 33-KV substation plant in UPSIDC Industrial area, Aligarh.		
17.	Power backup	DG based power generation of 5.4x2 MW. is proposed		
17.	Green belt development	Approx. 33 % of total area		
18.	Cost towards Environmental protection measures(Capital cost)	Approx 220 Lakhs		
19.	Recurring cost towards Environmental control measures.	Approx. 32.5 Lacs per annum		
20.	CSR expenses (Corporate social responsibility)	2% of the total project profit		

Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 20-06-2014, the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held on 22-07-2014 decided to grant the Environmental Clearance to the project subject to the effective implementation of the following general and specific conditions:-

General Conditions:

1. The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh State Pollution Control Board and the State Government.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, UP.
3. 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 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.

4. At least four ambient air quality monitoring stations should be established in the relevant directions 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 UPPCB/CPCB and Regional Office, of MoEF at Lucknow once in six months.
5. 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.
6. 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 (night times).
7. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
8. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
9. 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.
10. As proposed, budget 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 MoEF at Lucknow. The funds so provided shall not be diverted for any other purpose.
11. 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.
12. 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, CPCB and UPPCB. The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
13. 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, CPCB and UPPCB. The Regional Office of MoEF at Lucknow / CPCB / SPCB shall monitor the stipulated conditions.
14. 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 Regional Office of the MoEF at Lucknow.
15. The Project Proponent shall inform the public that the project has been accorded Environmental Clearance by the SEIAAUP and copies of the clearance letter are available with

the SPCB and may also be seen at Website of the SEIAAUP at seiaaup.com. 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.

16. Project authorities shall inform the Regional Office of MoEF, Lucknow as well as the SEIAA the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.

Specific Conditions

1. Continuous Ambient Air Quality Monitoring Station to monitor the concerned parameters shall be installed in the predominant wind direction immediately after the plant is in operation.
2. 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 MoEF Regional Office at Lucknow, SPCB and CPCB regularly.
3. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 should be followed.
4. 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.
5. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw meal 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.
6. 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 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.
7. 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.
8. Total ground water requirement for the cement plant shall not exceed 170/day and necessary permission for the drawl of water shall be obtained from the Competent Authority. 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.
9. Rainwater harvesting measures shall be adopted. The company must also harvest the rainwater from the roof tops 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.

10. 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 / re-processors only.
11. Green belt shall be developed in at least 33 % of project area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO. Layout plan showing greenbelt should be submitted within three month. Green Belt shall be distributed uniformly all around the main plant particularly in the predominant wind direction.
12. 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 and to be removed after the completion of the project.
13. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the cement plants shall be implemented.
14. Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total profit shall be submitted (within the month) on need base assessment study in the study area. Income generating measures which can help in upliftment of weaker section of society consistent with the traditional skills of the people identified. The programme can include activities such as old age homes, rain water harvesting provisions in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self-employment and jobs. Separate budget for community development activities and income generating programmers shall be specified.
15. Post project monitoring for air, water (surface+ ground), Stack noise of D.G. sets, STP to be carried out as CPCB Guidelines. Walls of appropriate heights shall be provided in the raw material and the product handling sections.
16. Corporate Responsibility for Environmental Protection (CREP) guidelines for cement industries should be followed.
17. All storm water drain and conveyor belt should be covered. Walls of appropriate heights shall be provided in the raw material and the product handling sections.
18. Any litigation pending in the Courts of Law it shall be binding on project proponent.
19. Parking facility should be provided within the project premises.
20. Green belt should be developed as per CPCB norms. 50% Evergreen Tree (that remains green for most part of the year and sheds leave slowly throughout the year having height more than 2.0 m, with a well distinguished trunk) should be part of the green belt. Green belt should be developed in a strip of 10 meters with in the boundary of its premises and along both sides of the internal roads.
21. The minimum height of plantation of sapling should be 3.6 m at the time of occupancy.
22. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.
23. A comprehensive EIA report shall be prepared and submitted based on six month data immediately after the plant is in operation.
24. Walls of appropriate heights shall be provided in the raw material and the product handling sections.

No construction/operation is to be started without obtaining Prior Environmental Clearance. Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the

provision of Environmental (Protection) Act, 1986.

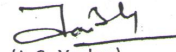
This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Aligarh. In case of violation, it would not be effective and would automatically be stand cancelled.

You are also directed to ensure that the proposed site is not a part of any no-development zone as required/prescribed/identified under law. In case of violation, this permission shall automatically deem to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this clearance shall automatically deemed to be cancelled.

The project proponent will have to submit approved plans and proposals incorporating the conditions specified in the Environmental Clearance within 03 months of issue of the clearance. The SEIAA/MoEF reserves the right to revoke the environmental clearance, if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF. SEIAA may impose additional environmental conditions or modify the existing ones, if necessary. Necessary statutory clearances should be obtained and submitted before start of any construction activity.

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.

This is to request you to take further necessary action in the matter as per provision of Gazette Notification No. S.O. 1533(E) dated 14.9.2006, as amended and send regular compliance reports to the authority as prescribed in the aforesaid notification.


(J. S. Yadav)


Member Secretary, SEIAA

No..... /Parya/SEAC/1134/2013/OSD(T)

Dated: As above

Copy with enclosure for Information and necessary action to:

1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
2. Advisor, IA Division, Ministry of Environment & Forests, Govt. of India, Paryavaran Bhavan, CGO Complex, Lodhi Road, New Delhi.
3. Chief Conservator, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
4. District Magistrate, Aligarh.
5. The Member Secretary, U.P. Pollution Control Board, PICUP Bhawan, Gomti Nagar, Lucknow.
6. Copy to Web Master/ guard file.


(Dr. R.K. Sardana)
Secretary, SEAC/
Director (I/C), Environment