

State Environment Impact Assessment Authority, M.P.
(Government of India, Ministry of Environment & Forests)

Research and Development Wing
Madhya Pradesh Pollution Control Board
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No: 1299 / EPCO-SEIAA /12
Date: 14.03.2012

To,
M/S Maihar Cement
P. O Sarla Nagar,
Maihar,
District Satna, M. P.

Ph. No. 07674-277043, 277067, 277068
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Sub: Case No. 541/2010, Prior Environmental Clearance of Captive (coal based) thermal power plant of 60 MW at existing premises of Maihar Cement, Sarla Nagar, Maihar, Distt- Satna – M.P. by M/S Maihar Cement P.O Sarla Nagar, Maihar, Distt-Satna-M.P.

This has reference to your letter No. MC/RKV/2010 dated 24.03.2010 and subsequent letters seeking Prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form I and pre-feasibility report, ToR and subsequently submission of EIA, public hearing documents and the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- ii. It has been noted that the proposal is for construction of new captive thermal (coal based) power plant of 60 MW in the existing premises of Maihar Cement, Sarla Nagar, Maihar District Satna by M/S Maihar Cement P.O Sarla Nagar, Maihar, Distt-Satna-M.P. The existing plant is located at latitude 24° 11' 51" N & longitude 80° 47' 44" E at 392 AMSL. The total area is 387.69 acres. No additional land shall be purchased for installation of this plant. The protected forest is 70 km away from the site. No wildlife and sanctuary is located within 70 km radius of the unit. The inter state boundary distance of the proposed unit is 87 km. The Tamas River is 1.2 km away while that of nearest human habitation Sangmaniya is 1.5 km. The site does not fall in sensitive / urban area.

The production of captive new (coal based) power generation of 60 MW capacity has been proposed. M/S Maihar Cement is already having captive thermal power plant of 5, 15 and 15 MW capacity for their captive use. The source of fuel is coal. The total requirement of coal is 1039 TPD. PP has submitted a copy of the coal linkage issued by SECI, Bilaspur. The total water requirement is 800 KLD and the same shall be met from mine pit water. Till date 10,67,151 plants have been in survival stage at colony, plant site and mining premises. Out of the same about 7.53 lakhs plants have been existing at plant premises and 3.13 lakhs plants in mine premises. It is proposed to plant 1500-2000 saplings per ha in plant area. The public hearing was conducted on 23.10.2010.

- iii. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.
- iv. Based on the information submitted by you, as at Para 2 above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 80th meeting held on 19.01.12 and decided to accept the recommendations of 77th SEAC meeting held on 25.08.11 and 84th SEAC meeting dtd. 09.11.2011.

Hence, Prior Environmental Clearance is accorded for new captive (coal based) power plant for production capacity of 60 MW project within existing premises of M/S Maihar Cement, Sarla Nagar, Maihar, Satna, M. P., under the provisions of EIA notification dtd. September 14, 2006, subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA, SEAC & office of the SEIAA:

1. The Coal proposed to be used should be as per the quality for which confirmation letter has been submitted. In this ash content should not exceed 15% and sulphur content should not exceeds 1.0%.
2. Boiler shall be facilitated with hybrid filters to maintain emission level less than 50 mg/Nm³.
3. Emission points such as Crusher, transfer point, conveyor belt, coal storage & handling, handling of fly-ash shall be facilitated with appropriate air pollution control measures & equipments to minimize the fugitive emissions and shall ensure that the ambient air quality is well within the prescribe norms.
4. Height of stack should be 86 meters.
5. The water requirement shall be met from existing mined pits of the Proponent. No ground water or any other source shall be extracted for the project without permission of the Competent Authority.
6. Total ash generated in the plant shall be used in-house in the cement industry.
7. Adequate green area shall be developed as per the plan submitted.
8. Fly ash evacuation shall be carried out in accordance with the provision of the Notification of September, 1997 on Fly Ash Utilization and its amendment of August, 2003. Adequate green area shall be developed as per plan submitted by the PP. Plants of local species shall only be planted in greenbelt.
9. Risk assessment should be carried out periodically.
10. The new power plant of 60 MW capacity should be independent and installed in the existing premises of M/S Maihar Cement. In any case no additional land should be purchased for this.

Encl: 1 no

Sd/-
(Manohar Dubey)
Member Secretary

Endt No. 1300 /SEIAA/EPCO/12

Dated: 14.03.2012

Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Mantralaya, Bhopal.
2. Chairman, State Environment Impact Assessment Authority, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5. Arera Colony Bhopal-4620 16

3. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5. Arera Colony Bhopal-4620 16
4. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
5. Collector, Distt-Satna-M.P.
6. Divisional Forest Officer, Distt. Satna, M. P.
7. Division, Monitoring Cell, MoEF, Gol, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
8. Regional Officer, Regional Office of the Ministry of Environment & Forest, Gol, Near Arera Petrol Pump, Arera Colony, Bhopal.
9. District Mining Officer, Distt. Satna, M. P.
10. Guard file

Sd/-
(Dr. R. P. Singh)
Officer-in-Charge

Standard Conditions related to Activity 1 (d) - Thermal Power Plants of Category B projects under the Schedule of Ministry of Environment and Forests, GoI notification dtd 14-09-06

1. Expansion of captive power plant capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Impact Assessment and approved by SEAC must be ensured.
3. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
4. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
5. Data on ambient air quality (RPM, SPM, SO₂, NO_x) should be regularly submitted to the Regional office, MoEF, GoI, Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.
6. Ambient air quality at the boundary of the plant premises shall conform to the norms prescribed in MoEF notification no. GSR/826(E) dtd. 16.11.09.
7. Closed Cycle Cooling system with cooling towers shall be provided.
8. The treated effluents conforming to the prescribed standards shall be re circulated and reused within the plant boundary. There shall be zero discharge outside the plant boundary.
9. Regular monitoring of ground water quality including heavy metals shall be under taken in the project area and around the ash pond to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the ash disposal area.
10. Noise levels shall be limited to 75 dBA. For people working in the high noise area, protective devices such as earplugs etc. shall be provided.
11. The industry has to keep strict vigilance on the Fugitive emission and shall ensure that the ambient air quality is well with in the prescribed norms.
12. Industry should promote CDM projects as and where possible.
13. Wherever possible, the area around the STP / ETP should be surrounded with dense green belt.
14. Use of Solar Energy should be promoted in the plant premises where ever possible.
15. Occupational health and safety measures for the workers including identification of work related health hazards, training on malaria eradication, HIV, and health effects on exposure to mineral dust etc. shall be carried out. Periodic monitoring for exposure to respirable mineral dust on the workers shall be conducted and records maintained including health records of the workers. Awareness programme for workers on impact of mining on their health and precautionary measures like use of personal equipments etc. shall be carried out periodically. Review of impact of various health measures shall be conducted followed by follow up action wherever required.
16. Concrete measures shall be taken for prevention of solid waste from the premises into nearby land.
17. Commitment towards CSR have to be followed strictly.

18. Four ambient air quality-monitoring stations shall be established for RSPM, SPM, SO₂, NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. The monitored data for criteria pollutants shall be regularly up loaded and displayed on the company's website.
19. The waste water (workshop) should 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. Oil and grease trap shall be installed.
20. The Project Proponent shall provide proper arrangement for the disposal of hazardous waste (if any) and obtain authorization under Hazardous Waste (Management Handling & Transboundary Movement) Rules 2008 from MPPCB.
21. Personnel working in dusty areas shall be provided with protective respiratory devices and they shall also be imparted adequate training and information on safety and health aspects.
22. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
23. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
24. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, and its Regional Office located at Bhopal.
25. The Regional Office, MoEF, GoI, Bhopal and MP PCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, Public hearing and other relevant documents should be given to Regional Office, MoEF, GoI, Bhopal and MP PCB.
26. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies, Panchayat and Municipal Bodies as applicable in addition to the relevant officers of the Government who in turn has to display the same for 30 days from the date of receipt.
27. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF, GoI, Bhopal.
28. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, GoI, Bhopal, MP PCB and to the competent authority of the State Govt. within six months.
29. The Project Proponent has to submit half yearly compliance report of the stipulated prior environmental clearance terms and conditions in hard and soft copy to the Regulatory Authority, viz. CPCB, MPCB and Regional office of MoEF, GoI at Bhopal on 1st June and 1st December of each calendar year.
30. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.

31. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
32. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
33. 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.
34. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
35. The Environmental Clearance shall be valid for a period of five years from the date of issued of this letter.
36. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
37. The above conditions will 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 and the Public Liability Insurance Act, 1991 along with amendments and rules.