

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

**Research and Development Wing**  
Madhya Pradesh Pollution Control Board  
Paryavaran Parisar, E-5, Arera Colony  
Bhopal-4620 16  
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No. 1429  
dt 5-8-13

To,  
M/s Birla Corporation Ltd. (Cement Div.),  
PO Birla Vikas,  
Satna, 485005, MP

**Sub:- Case No. 481/2009,** Prior Environmental Clearance for captive thermal power plant in an area of 4.848 ha for production capacity 35 MW at 187/2/KA/1/KA/1, 210/1/KA/1, 210/1/KA/2, 210/2/KA/1/KA, 210/2/KA/1/KHA, 210/2/KHA/1/1/KA, 210/2/KHA/1/1/KHA, 210/440/1, 210/440/2, 210/440/3, 215/1/KA, 215/1/KHA, 215/2/1, 215/2/2, 215/2/3, 215/2/4, 216/1/KA/2, 217, 220/414, 221/1/KHA, 221/1/KA/4, 227, 256/3 Village Bela, Tehsil Raghurajnagar, District Satna, (MP) by M/s Birla Corporation Ltd. (BCL) (Cement Div.), through Mr. P.S. Marwah, President PO Birla Vikas, Satna, 485005, MP

This has reference to your letter No. nil dated nil received in the SEIAA office on 17.11.2009 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, pre-feasibility report, ToR and and subsequently submission of EIA report, public hearing documents and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) and Environment Impact Assessment Authority (SEIAA) constituted by competent Authority.

- (ii) The proposed project is Captive Thermal Power plant in an area of 4.848 ha for production capacity 35 MW at village Bela, Tehsil Raghurajnagar, District Satna, (MP). The proponent is M/s Birla Corporation Ltd. (Cement Div.), PO Birla Vikas, Satna, 485005, MP through President, Mr. P.S. Marwah.
- (iii) The capacity of the plant is 35 MW. The project is covered under category B Project Activity 1(d) of the EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. September 14, 2006.
- (iv) Birla Corporation Limited has an existing Cement Plant with Coal washery about 2 km away from this project site. The cement plant was commissioned in 1959. The proposed coal based thermal power plant is captive in nature to meet the power requirements of the existing cement plant and coal washery of BCL located in Satna.
- (v) There are no wildlife Sanctuaries, National Parks, and Tiger Reserves and interstate boundary within 10 km of the boundary. Hence general conditions are

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- **Correspondence Address:** Member Secretary, SEIAA, Environmental Planning and Coordination Organisation (EPCO), Paryavaran Parisar, E-5, Arera Colony, Bhopal - 462016
- **Registration No.:** To be quoted in registered cases for correspondence

Case no. 481/2009





not attracted. The plant site is 4.0 km away from National Highway (NH-75) Satna-Panna. Jamori reserved forest is located at a distance of 9.5 k.m (approx) from the plant site.

- (vi) As per Khasra Panchsala (2011-2012) the land (total 28 Khasras & total area 4.924 ha) belongs to M/s Birla Corporation Ltd. Cement Division, Satna, MP out of this 4.848 ha is the project land.
- (vii) The Public Hearing was held on 11.11.2011 at Govt. Primary School, Bela under the Chairmanship of Additional Collector, Satna. The issues raised during public hearing were of general nature, nothing adverse was found regarding degradation of the environment.
- (viii) The total fresh water requirement is 360 KLD (process nil, cooling 190 KLD + DM water 150 KLD + drinking 10 KLD + others 10 KLD ). The source of water supply is quarry reservoir of captive mine.
- (ix) Water in the process will be used in Boiler & in colling. The waste water generated will be treated to meet the MPPCB specifications. The treated water would be used for spray at transfer points and sprinkling on road for dust suppression. Zero effluent discharge will be practised.
- (x) There will be generation of 405 TPD of Fly ash and 45 TPD of bottom ash. Fly ash will be conveyed to silo through pneumatic system. It will be used in cement plant for producing PPC. Bottom ash of the boiler will be cooled, collected and used in the filling earth pits and in road construction.
- (xi) An area of 1.70 ha (35% of total plant area) with 2500 trees per ha will be used as green belt.
- (xii) 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.

Based on the information submitted as at Para ii to xii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 142<sup>nd</sup> meeting held on 18.07.2013 and decided to accept the recommendations of 109<sup>th</sup> SEAC meeting held on 06.11.2012 with 08 special conditions. Hence, Prior Environmental Clearance is accorded for captive power generation production capacity 35 MW at village Bela, Tehsil Raghurajnagar, District Satna, (MP) by M/s Birla Corporation Ltd. (Cement Div.), PO Birla Vikas, Satna, 485005, MP through President, Mr. P.S. Marwah under the provisions of EIA notification dated 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 and SEAC:

1. PP should obtain clearance / NOC from Central Electricity Board before starting the project. (142<sup>nd</sup> SEIAA mtg. 18.07.2013)
2. PM emission concentration of less than 50 mg/Nm<sup>3</sup> shall be maintained in the boiler.

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3. At least 33% of total plot area will be developed into green area.
4. Coal will be transported to project site by combination of Belt conveyor and closed trucks only from the nearby Coal Washery (2Km) as reported by the PP.
5. Water for the project will be sourced from the rainwater harvested in the Captive Mine Reservoir only and not from any other natural source.
6. Zero Effluent Discharge will be practiced through recycling of all the waste water after appropriate treatment of the same.
7. COC of 10 shall be maintained for cooling tower and other utilities.
8. 100% Fly Ash utilization shall be ensured from start of operation phase as per the Fly Ash Notification.
9. Execution of all the CSR activities as proposed in the project shall be binding.

Encl: Annex-I

Enclt No. 1430 /SEIAA/13 Dated: 5-8-13 24-8

(Manohar Dubey)  
Member Secretary

Copy to:-

1. Principal Secretary, Department of Environment, Government of Madhya Pradesh, Bhopal.
2. Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016
3. Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-4620 16
4. Collector, Satna, (M.P.)
5. Division, Monitoring Cell, MoEF, GOI, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi- 110 003
6. Regional Officer, Regional Office of the Ministry of Environment & Forest, Gol, Western Region, Kendriya Paryawarn Bhawan, Link Road No. 3 Ravi Shankar Nagar, Regional office of the MOEF, Bhopal-462016
7. Guard file.

Encl: Annex-I

(Dr. U. M. Shukla)  
Officer-in-Charge

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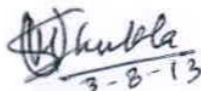
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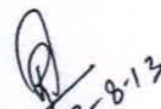
Annex-I

## 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. Any enhancement of capacity, change in technology, modernization and scope of working shall again require prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Impact Assessment and 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. Vehicular emissions shall be kept under control and regularly monitored. Vehicles used for transportation of raw material and others shall have valid permissions as prescribed under Central Motor Vehicle Rules, 1989 and its amendments. No overloading of raw material for transportation shall be committed.
6. The industry has to keep strict vigilance on the Fugitive emission and shall ensure that the ambient air quality is well within the prescribed norms by MoEF/ CPCB.
7. Four ambient air quality-monitoring stations shall be established for RSPM, SPM, SO<sub>2</sub>, NO<sub>x</sub> 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.
8. Data on ambient air quality (RPM, SPM, SO<sub>2</sub>, NO<sub>x</sub>) 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.
9. Ambient air quality at the boundary of the plant premises shall confirm to the norms prescribed in MoEF notification no. GSR/826(E) dtd. 16.11.09.
10. Closed Cycle Cooling system with cooling towers shall be provided.
11. The waste water (workshop) should be properly collected, treated so as to conform to the standards prescribed by MoEF & CPCB 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. Oil and grease trap shall be installed.
12. 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.

  
3-8-13

(Dr. U. M. Shukla)  
Officer-in-Charge

  
3-8-13

(Dr. R. K. Jain)  
Officer-in-Charge

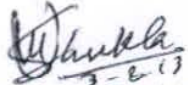
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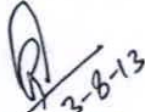


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13. Regular monitoring of ground water quality including heavy metals shall be undertaken in the project area and around the ash pond to ascertain the change, if any, in the water quality due to leaching of contaminants, if any, from the ash disposal area.
14. Measures shall be taken for control of noise levels below 75 dBA in the work environment. Workers shall be provided with ear plugs / muffs.
15. Wherever possible, the area around the STP / ETP should be surrounded with dense green belt.
16. 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.
17. 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.
18. Industry should promote CDM projects as and where possible.
19. Use of Solar Energy should be promoted in the plant premises where ever possible.
20. Commitment towards CSR have to be followed strictly.
21. 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.
22. Concrete measures shall be taken for prevention of solid waste from the premises into nearby land.
23. 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.
24. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
25. 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, Gol, and its Regional Office located at Bhopal.
26. The Regional Office, MoEF, Gol, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, should be given to Regional Office, MoEF, Gol, Bhopal & MPPCB.
27. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, Gol, Bhopal, MP PCB within six months.
28. 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 associated Government Departments responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.

  
(Dr. U. M. Shukla)  
Officer-in-Charge

  
(Dr. R. K. Jain)  
Officer-in-Charge

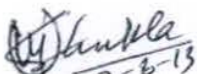
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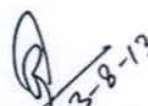


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29. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project 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](http://www.mpseiaa.nic.in) and a copy of the same shall be forwarded to the Regional Office, MoEF, Gol, Bhopal.
30. 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, Gol at Bhopal on 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
31. 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.
32. 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.
33. The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
34. 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.
35. 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.
36. The Environmental Clearance shall be valid for a period of five years from the date of issued of this letter.
37. 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.
38. 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.
39. The proponent shall upload the status of compliance of the stipulated EC 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 MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
40. 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 EC conditions and shall also be sent to the Regional Office of MoEF.

  
(Dr. U. M. Shukla)  
Officer-in-Charge

  
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