

By Speed Post

No.J-13011/30/2007-IA.II(T)
Government of India
Ministry of Environment & Forests

Prayavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003

Dated 31st December, 2007

To

M/s Spectrum Coal & Power Ltd
202, Cyber Heights, Road No. 2
Banjara Hills
Hyderabad - 500 033 (A.P.)

Sub: 50 MW Coal Washery Reject & Coal based Thermal Power Project at Korba, Chhattisgarh by M/s Spectrum Coal & Power Ltd- Environmental Clearance regarding.

Sir,

The undersigned is directed to refer your communication no. SCPL/MOEF/07-08/032 dated 18.04.2007 on the subject mentioned above. Subsequent information furnished vide letter dated nil have also been considered.

2. The proposal is for grant of environmental clearance under EIA Notification, 1994 for setting up of a 50 MW thermal power plant at village Ratija, District Korba, Chhattisgarh.. The power plant will be located near the washery within the 79 ha of available land. The land requirement for the project is 30 ha. Washery rejects and coal will be used as fuel in the ratio of 3-5:1. CFBC technology will be adopted. The water requirement for the project is 6000 m³/day and will be met from Lilagar river. No groundwater will be used. No ecologically sensitive area including national Park and wildlife sanctuary is within 10 Km radius from the plant boundary. Public hearing was conducted on 15.11.2006. Capital cost of the project is Rs 202.00 crores. The cost of environmental protection measures is Rs 1.47 crores.

3. The proposal has been considered in accordance with para 12 of the EIA Notification dated 14th September, 2006 read with para 2.2.1 (i) (a) of the Circular No. J-11013/41/2006-IA.II(I) dated 13.10.2006 and environmental clearance is hereby accorded under the provisions there of subject to implementation of the following terms and conditions:-

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- (i) The land requirement shall be restricted in accordance with the norms prescribed by CEA and should not, in any case, be more than 30 ha for all the activities/facilities of the power project.
- (i) Sulphur content in coal and middlings to be used as fuel shall not exceed 0.36% and 0.29% respectively.
- (ii) The height of the stack shall be as per the standards prescribed under the Environment (Protection) Act, 1986 in this regard or 90 m, whichever is more with continuous online monitoring system. The exit velocity of the flue shall not be less than 20 m/sec.
- (iii) High efficiency Electrostatic Precipitators (ESPs) shall be installed to limit particulate emission to 50 mg/Nm³.
- (iv) Low Nox burners shall be provided.
- (v) CFBC Technology shall be adopted.
- (vi) Dust extraction and dust suppression system and water sprinklers shall be provided for controlling fugitive dust during coal transportation, in coal storage & handling area and other vulnerable areas of the plant.
- (vii) Water requirement shall not exceed 6000 m³/day, which will be met from Lilaghar River. Necessary permission for drawl of requisite quantity of water shall be obtained from Competent Authority. No ground water shall be extracted for any activity of this project.
- (viii) Closed Circuit Cooling System with cooling towers shall be installed.
- (ix) Treated effluents conforming to the prescribed standards shall be re-circulated and reused within the plant. No effluents shall be discharged outside the plant boundary.
- (x) Rainwater harvesting shall be practiced. A detailed scheme for rain water harvesting to recharge the ground water aquifer shall be prepared in consultation with Central Ground Water Authority/ State Ground Water Board and a copy of the same shall be submitted within three months to this Ministry.
- (xi) Leq of Noise level shall be limited to 75 dBA and regular maintenance of equipments should be undertaken. For people working in high noise areas, personal protection devices should be provided.

- (xii) Dry fly ash collection system shall be provided. The project authorities should adhere to the provision stipulated in the fly ash notification of September, 1999 and as amended in August, 2003 in regard to fly ash utilization.
- (xiii) A greenbelt shall be developed with local species around the plant boundary with tree density of 1500-2000 trees per ha covering 1/3 of the total project area.
- (xiv) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (xv) Regular monitoring of the ambient air quality shall be carried out in and around the power plant and records maintained. The location of monitoring stations and frequency of monitoring shall be decided in consultation with the State Pollution Control Board. Periodic reports shall be submitted to the Regional Office of this Ministry at Bhopal.
- (xvi) The project proponent shall 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 within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>
- (xvii) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- (xviii) Half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry, the Regional Office, and the CPCB/SPCB.
- (xix) Regional Office of the Ministry of Environment & Forests located at Bhopal will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring.
- (xx) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure shall be reported to the Ministry.

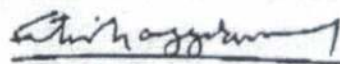
(xxi) Full cooperation shall be extended to the Scientists/Officers from the Ministry/ Regional Office of the Ministry at Bhopal/the CPCB/the SPCB who would be monitoring the compliance of environmental status.

4. The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.

5. The environmental clearance accorded shall be valid for a period of 5 years to start of production operation by the power plant.

6. In case of any deviation or alteration in the project proposed from that submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

7. The above stipulations shall be enforced along with others as under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, The Manufacture, Storage and Import of Hazardous Chemical Rules, 1989, Hazardous Wastes (Management and Handling) Rules, 1989, the Public Liability Insurance Act, 1991.


(Dr. S.K. AGGARWAL)
Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi - 110 001.
2. The Secretary, Department of Environment, Dau Kalyan Singh Bhawan, Raipur-492001.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110 066.
4. The Chairman, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur - 492001 - with a request to display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's office for 30 days.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110 032.

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6. The Chief Conservator of Forests, Central Regional Office, Ministry of Environment & Forests, E-3/240, Arera Colony, Bhopal-462 016.
 7. Director (EI), MOEF.
 8. Guard file.
 9. Monitoring file.

(Dr. S.K. AGGARWAL)
Director