



ANNEXURE - 21

CHHATTISGARH GOVERNMENT,
DEPARTMENT OF HOUSING, ENVIRONMENT,
MANTRALAYA, D.K.S. BHAVAN, RAIPUR

No. 1806/P4-46/32/05

Dated: 23-6-2005

To

✓ M/s Arasmeta Captive Power Company Private Limited
Village - Gondadih,
District - Janjgir-Champa (C.G.)

Sub :- 43 MW Coal Based Captive Thermal Power Plant in the area adjacent to the premises of M/s Lafarge India Private Limited Cement Plant at Village - Gondadih, District - Janjgir-Champa (C.G.) - Environmental Clearance reg.

Sir,

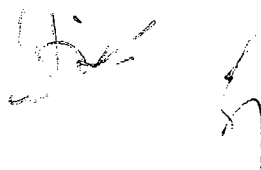
1. The undersigned is directed to refer to your communications no. APCPL::CECB::KAS::050318 dated 18-03-2005 on the above mentioned subject.
2. The proposal is regarding setting up of 43 MW Coal Based Captive Thermal Power Plant in the area adjacent to the premises of M/s Lafarge India Private Limited Cement Plant at Village - Gondadih, District - Janjgir-Champa (C.G.). Total area of the project is 24.08 Acres. No ecologically sensitive area and R&R are involved. Capital cost of the project will be Rs.196.05 Lacs for environmental protection measures(as per details submitted by the project proposed).
3. The environmental clearance for the above project is hereby accorded subject to implementation of following terms and conditions:
 - i) All the conditions stipulated by Chhattisgarh Environment Conservation Board letter No.1284/TS/CECB/2005 dated 17.03.2005 should be strictly implemented.

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- ii) Coal requirement is estimated at 9024 TPD having 46% ash content and 0.5% Sulphur content.
- iii) A detailed note on Zero effluents discharge including water utilization for greenbelt development should be submitted to the Department of Housing and Environment within a period of one month from the date of clearance letter to Chhattisgarh Environment Conservation Board.
- iv) Rainwater harvesting system should be installed in consultation with appropriate authority within a period of six months from the date of clearance.
- v) A detailed note on watershed development within 10 km radius may be submitted within 6 months.
- vi) Gas velocity rate may be confirmed within one month.
- vii) Space provision should be made for Flue Gas De-Sulphurisation (FGD) unit.
- viii) Authenticated list of flora and fauna from PCCF/CWLW/Academic institution/University may be submitted.
- ix) As recommended by the State Environment Conservation Board, Green Belt of 40 - 50 m in the portion where the State road runs, parallel to the site and 50 m along the plant boundary should be developed.
- x) Water authorization from the State Government given for 43 MW Coal Based Captive Thermal Power Plant in the area adjacent to the premises of M/s Lafarge India Private Limited Cement Plant at Village - Gondadih, District - Janjgir-Champa (C.G.).
- xi) A detailed note on reduction in water consumption by 25% or more than the present level, as stated by the proponent, may be submitted to the Chhattisgarh Environment Conservation Board with in two months of the issue of the clearance letter.
- xii) For gaseous discharge, two stacks of 85 meter height each shall be provided with continuous online monitoring system.



- xiii) Electrostatic Precipitator (ESP) should be installed having adequate efficiency to limit outlet SPM emission to 100 mg/Nm³.
- xiv) Ash generation will be utilized 100% for beneficial uses such as cement manufacturing in the existing cement plant belonging to M/s Lafarge India Private Limited. Ash generated should be used in a phased manner as per the provisions of the notification on Fly Ash Utilization issued by MoEF in September 1999 and its subsequent amendments. By the end of 9th year, full fly ash utilization should be ensured. Borough earth should to be taken from ash pond area for construction of ash dyke etc.
- xv) Necessary drainage network at the proposed CPP site should be developed.
- xvi) Water requirement should not exceed 10584 kilo liter /day. The waste water generated should be recycled and reused in the plant and no wastewater be discharged out side the plant boundary or in natural drain.
- ~~xvii) Waste water of coal handling plant should be treated before disposal.~~
- xviii) Regular monitoring of water quality including heavy metals should be undertaken around ash dyke and the project areas to ascertain the change in the water quality due to leaching of contaminants from ash disposal area (if any).
- xix) Noise level should be limited to 75 Leq, and regular maintenance of equipment be undertaken. For people working in the area of generator and other high noise area, earplug should be provided.
- xx) Regular monitoring of the air quality should be carried out in and around the power plant and records should be maintained and submitted to Chhattisgarh Environment Conservation Board on six monthly bases.
- xxi) For controlling fugitive dust, regular sprinkling of water in vulnerable areas of the plant should be ensured.



- xxii) All other mitigative measures shall be taken as enumerated in Chapter 5 of the REIA report.
 - xxiii) The project proponent should advertise at least in two local newspapers widely circulated in the region of the project, one of which should be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letters are available with the Chhattisgarh Environment Conservation Board.
 - xxiv) A separate environment monitoring cell with suitable qualified staff should be set up for implementation of the stipulated environmental safeguards.
 - xxv) Half -yearly report on the status of implementation of the stipulated conditions and environmental safeguards should be submitted to Chhattisgarh Environment Conservation Board.
 - xxvi) Chhattisgarh Environment Conservation Board will monitor the implementation of the stipulated conditions. Complete set of Environmental impact Assessment Report and Management Plan should be forwarded to the Regional Office for their use during monitoring.
 - xxvii) Separate funds should be allocated for implementation of environmental Protection measure along with item-wise break-up. These cost should be included as part of the project cost. The funds earmarked for the environment protection measure should not be diverted for other purpose and year-wise expenditure should be reported to the ministry.
 - xxviii) Full cooperation should be extended to the Officers from the State Government, Chhattisgarh Environment Conservation Board, Central Pollution Control Board etc. Office of the who would be monitoring the compliance of environmental status.
4. The Department reserves the right to revoke the clearance if condition stipulated are not implemented to the satisfaction of the ministry.

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5. The environmental clearance accorded shall be valid for 5 year for construction/operation of the power plant. In case, the project authorities fail to do so within this stipulated period, this environmental clearance shall lapse automatically.
6. Any deviation or alteration in the present project, cleared by the Ministry, shall be undertaken only after due permission from the State Government, Department of Housing and Environment.
7. The above stipulated would be enforced, along with other under the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rule, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments, and Environment Impact Assessment Notification of January, 1994 and its amendments.


(S.S. Bajaj)


Special Secretary

Department of Housing and Environment
Government of Chhattisgarh

Copy to: - 1807/F4-46/32/2005

Date 23/6/05

Chief Engineer & OSD, Chhattisgarh Environment Conservation Board, Nanak Niwas, Civil Lines, Raipur - 492001 with a request to kindly display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office for 30 days.


(S.S. Bajaj)

Special Secretary

Department of Housing and Environment
Government of Chhattisgarh

