

Model Letter for Environmental Clearance - Thermal Power Plant

**GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS
PARYAVARAN BHAWAN, C.G.O. COMPLEX
LODHI ROAD, NEW DELHI-110003**

No.

Dated

Subject : 300 MW Combined Cycle Power Plant at Bidadi, Karnataka by M/s Karnataka Power Corporation Limited - Environmental Clearance Regarding.

Sir,

The undersigned is directed to refer to communication No. A1 W4 FO/Bidadi/178 dated 29.9.97 and No.A1 Wo (bidadi) dated 29.10.97 from M/s Karnataka Power Corporation Limited regarding the above mentioned project.

2. The proposal regarding setting up of 300 MW Naphtha/Gas Based Power Project, at Bidadi, Karnataka had been examined from environmental angle on the basis of information submitted by the proponents. Environmental clearance is hereby accorded subject to implementation of following terms and conditions:-

1. All the conditions stipulated by the Karnataka State Pollution Control Board vide their letter No. KSPCB/BNG/DED-2/AEO-2/APC/95-96/996 dated 15.3.96 should be strictly implemented.
2. Only 170 across of land identified by the KIADB for the Stage-I and 235 acres for the ultimate capacity of 1200 MW should be acquired.
3. The sulphur content in Naphtha to be used as fuel shall not exceed 0.15%. Naphtha would be used only in initial stages till the as is made available.
4. Two main stacks of 55 mt. ht. each with continuous stack monitoring arrangement will be provided.
5. The NOX emission would not exceed 75 PPM in case of Naphtha and in case of LNG not more than 50 PPM.
6. Close circuit cooling with cooling towers shall be provided.
7. The treated waste water conforming to the prescribed standards shall be used for raising of green belt.
8. Adequate precautions shall be taken to ensure that the noise levels do not exceed the prescribed standards. Workers in the high noise area will be provided with ear protection devices and their use by the workers shall be ensured.

9. A green belt of 175 mt. width in North, 125 mt. width in East, 50 mt. width in West and 125 mt. width in South and tree density (1500-200 ha.) with suitable selected species shall be developed all around the power plant which should cover at least one third of the land under the green belt. the guidelines prepared by the Central Pollution Control Board for raising of green belt shall be followed in this regard. The plan may be prepared in consultation with the Forest Department authorities and implemented in a time bound manner.
10. Regular monitoring of the air quality shall be carried out in and around the power plant and records maintained. A periodic report (six monthly) shall be submitted to this Ministry.
11. A separate environment monitoring cell with suitable qualified staff shall be set up for implementation of the stipulated environmental safeguards.
12. A half yearly report on the status of implementation of the stipulated conditions and environmental safeguards shall be submitted to this Ministry/Ro/CPCB/SPCB.
13. Regional Office of Ministry of Environment and Forests located at Bangalore will monitor the implementation of the stipulated conditions. Complete set of Impact Assessment Report and Management Plan should be forwarded to the Regional Office for their use during monitoring.
14. Separate funds should be allocated for implementation of environmental protection measures along with item-wise break-up. These costs should be included as part of the project costs. The funds earmarked for the environment protection measures should not be diverted for other purposes and year-wise expenditure should be reported to this Ministry.
15. Necessary permission should be obtained from the Chief Controller of Explosives and Factory Inspectorate for the Storage of Naphtha.

3. The conditions stipulated may be varied or new ones added or the clearance revoked, if fell necessary, in the interest of environment protection.

4. For any deviation, the proposed project profile, change of fuel etc. a fresh reference should be made to the Ministry to assess adequacy of conditions imposed. No deviation from the approved project may be made without prior clearance of this Ministry.

5. The stipulation will be implemented among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Pollution and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Manufacture storage and Import of Hazardous Chemicals Rules, 1989, the Public Liability Insurance Act, 1991 and the EIA Notification 1994 along with the amendments made therein from time to time.

Additional Director/Joint Director

To

Shri H.V. Eswaraiah,
Technical Director,
Karnataka Power Corpn. Ltd.,

Shakthi Bhawan,
No.82, Race Course Road,
Bangalore- 560 001

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi.
3. The Chairman, Karnataka State Pollution Control Board, Bangalore.
4. Regional Office, Ministry of Environment and Forests, Bangalore.
5. The Secretary, Environment Department, Govt. of Karnataka, Bangalore.
6. Sr. Adv. (Shri Harjit Singh), MOEF.
7. Guard File.

Additional Director/Joint Director