

OFFICE MEMORANDUM

SUBJECT: INSTALLATION OF UNIT 7 (1 x 500 MW) AS AN
EXTENSION OF THE CHANDRAPUR THERMAL POWER
STATION - ENVIRONMENTAL CLEARANCE REGARD-
ING.

This has reference to letter No. DG/CHN-7/2940 dated 19.5.90 and DG/CHN/7/3/70 dated 29.5.90 from the Maharashtra State Electricity Board with regard to the above mentioned subject.

2. The proposal has been examined in detail and environmental clearance is hereby accorded subject to the following conditions :

- (i) Electrostatic precipitators having an operational efficiency of not less than 99.6% should be installed so as to ensure that the particulate emissions are not exceeding 150 mgs. per cubic metre.
- (ii) Multi flue stack of not less than 275 metres height should be provided.
- (iii) The plant will put up a flue gas desulphurisation unit as part of the unit 7 since the ground level concentrations of SO₂ and NO_x will be beyond standards prescribed.
- (iv) The temperature of cooling waters discharged to the reservoir should not exceed 5° C above the ambient water temperature.
- (v) The bleed off from the boiler house, from cooling towers, effluents from DM Plant will be fully treated and reuses so that there is no effluent discharge to the river.

- (vi) Effluents from the ash ponds shall be totally recirculated within the plant.
- (vii) Adequate number of air and water quality, including ground water, monitoring stations will be set up at different locations in and around the plant. The location of these monitoring stations should be selected in consultation with the State Pollution Control Board/India Meteorological Department. The monitored data on air and water quality should be furnished to this Ministry and the State Pollution Control Board once in three months.
- (viii) The stack will be provided with automatic monitoring instruments for measuring and recording sulphur dioxide and oxides of nitrogen.
- (ix) Adequate measures for control of noise due to various operations within different plant units should be taken. The noise levels should conform to the standards prescribed by this Ministry under the Environment (Protection) Act.
- (x) Precautionary measures for control of fire and explosion hazards arising due to transportation, use of storage of coal and oil should be taken.
- (xi) A green belt development plan covering the entire area of the West Bank Thermal Power Station should be prepared and submitted to this Ministry within six months time. The plant species selected should be native to the area and they should give maximum green cover. The species so selected should be of a sensitive as well as resistant varieties to emissions of sulphur dioxide.
- (xii) They should carry out regular monitoring of flora and fauna, fisheries and bottom sediments of the reservoir to monitor the impact of any discharges from the thermal power plant.
- (xiii) Protective and control measures in the coal transportation areas and the conveyor belt systems should be taken to minimise the coal dust pollution in these zones.

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3. An environmental cell should be set up with complete laboratory facilities to look into the implementation of various conditions mentioned above. Adequate financial provision should be made for implementation of these stipulations. The capital cost and maintenance of these stipulations. The capital cost and the recurring costs made in this regard should be communicated to this Ministry. The provision so made should not be diverted for any other purposes.

4. The conditions stipulated above may be varied or new ones imposed. The clearance may be revoked in the event of non-implementation of the conditions stated above.

5. These stipulations will be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974 and the Environment (Protection) Act, 1986 or their subsequent amendments.

S/-
(M. PARABRAHMAN)
ADVISED - IA(II)

The Secretary
Deptt. of Power
Ministry of Energy
New Delhi 110 001

- Copy to:
- 1) Chairman, Central Electricity Authority, New Delhi.
 - 2) Chairman, Maharashtra State Electricity Board, Bombay.
 - 3) Secretary, Deptt. of Environment Govt. of Maharashtra, Bombay.
 - 4) Regional Office, Ministry of Environment & Forests, Bhopal (MP).

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