



**By Speed Post**

No. J-13011/5/93-IA.II(T)  
Government of India  
Ministry of Environment & Forests

Paryavaran Bhawan  
C.G.O. Complex, Lodi Road  
New Delhi- 110 003.

Dated: 4<sup>th</sup> September, 2008

To

M/s West Bengal Power Development Corporation Ltd  
New Secretariat Buildings  
1, Kiran Sankar Roy Road, 'B' Block, 6<sup>th</sup> Floor  
Kolkata - 700 001

**Sub: Change in unit size and enhancement of capacity from  
2x250 MW to 2x300 MW Thermal Power Project, Phase -I,  
Unit 1&2 at Sagardighi, District Murshidabad, West Bengal  
by West Bengal Power Development Corporation Ltd -  
Environmental Clearance Regarding.**

Reference is invited to your letter no. WBPDC/CGM/ dated 27.11.2007 on the above-mentioned subject. Subsequent information furnished vide letter nos. WBPDC/Advisor/12 dated 30.11.2007 and 17.12.2007 have also been considered.

2. It is noted that the environmental clearance for setting up 2x250 MW was accorded vide this Ministry's letter of even no. dated 6<sup>th</sup> Oct, 2004. M/s WBPDC has now proposed to change the unit size and enhancement of capacity from 2x250 MW to 2x300 MW as a part of International competitive bidding and to provide flexibility and optimization of cost of power generation. It is further noted that:-

- (i) No additional land is required due to change in the unit size and capacity enhancement.
- (ii) Coal requirement will be 1.80 million TPA instead of 1.54 million TPA.
- (iii) 100 % fly ash utilization will be from the year 2010 onwards.

- (iv) Total cost of the project will be enhanced from Rs. 2057.00 crores to Rs. 2750.00 crores and also EMP cost from Rs. 33.00 crores to 134.00 crores.

3. Keeping in view the above changes, the Ministry of Environment & forests has no objection for change in the size of units and enhancement of capacity from 2x250 MW to 2x300 MW subject to the following amendments in the conditions contained in the environment clearance letter of even no. dated 6th October, 2004:

Condition No 3 (ii) - Coal requirement shall not exceed 1.80 Million TPA. The coal to be used will have ash content not exceeding 28% and sulphur content not exceeding 0.4%.

Condition no.3 (iii) - A bi-flue stack of 275 m height shall be provided with continuous online monitoring equipments for Sox, NOx and Particulate matter. Exit velocity shall not be less than 20.0 m/s.

Condition no.3(v) - Fly ash shall be collected in dry form and storage facility (silos) shall be provided. 100% Fly ash utilization shall be ensured from the year 2010. Till then and in emergency the unutilized fly ash shall be disposed off in the ash pond in the form of High Concentration Slurry and the bottom ash in conventional slurry mode. Ash pond shall be lined with impervious lining. Adequate safety measures shall also be implemented to protect the ash dyke from getting breached.

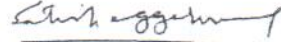
4. In addition to the above changes following additional conditions are being stipulated for strict compliance-

- (i) Space provision shall be kept for retrofitting of FGD, if required at a later date.
- (ii) Closed cycle cooling system with cooling towers shall be provided. The effluent shall be treated as per the prescribed norms before any discharge.
- (iii) A sewage treatment plant shall be provided and the treated sewage shall be used for raising greenbelt/plantation and for making fly ash slurry to be sent to the ash pond.
- (iv) First aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.
- (v) Appropriate safeguard measures shall be taken to guard against spontaneous fire in coal stack yards. On-site Disaster

Management Plan shall be prepared in this regard including for any oil storage facilities provided for flame stabilization in the boilers as and when needed.

5. Any appeal against this environmental clearance shall lie with the National Environment Appellate Authority, if preferred, within 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.


This issues with the approval of the Competent Authority.



(Dr. S.K. AGGARWAL)  
DIRECTOR

**Copy to:-**

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi-110001.
2. The Secretary, Forests & Environment Deptt., Government of West Bengal, Writer's Building, Kolkata- 700001.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, West Bengal Pollution Control Board, Parivesh Bhawan, Bldg. No. 10A, Block-LA, Sector-III, Salt Lake City, Kolkata-700098 -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-110032.
6. The Chief Conservator of Forests, Eastern Regional Office, Ministry of Environment & Forests, 194, Kharvela Nagar, Bhubaneswar-751001.
7. Director (EI), MOEF.
8. Guard file.
9. Monitoring file.



(Dr. S.K. AGGARWAL)  
DIRECTOR