



BY SPEED POST

**J-13012/33/2011-IA.II (T)
Government of India
Ministry of Environment & Forests**

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Paryavaran Bhawan
CGO Complex, Lodi Road
New Delhi-110 003
Dated: 3rd June, 2011

To

M/s Meghalaya Power Ltd.
Village Lumshnong, Khlierhiat
District: Jaintia Hills
Meghalaya - 793 200

Sub: 1x43 MW Imported Coal Based Thermal Power Plant at village Lumshnong, in Khliehriat Taluk, in Jaintia hills Distt., in Meghalaya - reg. Environmental Clearance.

Sir,

The undersigned is directed to refer to your letters dated 11.02.2011 and 07.04.2011 on the subject mentioned above. The Ministry of Environment & Forests has examined the application.

2. It has been noted that the proposal is for setting up of 1x43 MW Imported Coal Based Thermal Power Plant at village Lumshnong, in Khliehriat Taluk, in Jaintia Hills Distt., in Meghalaya. Land requirement will be 45 acres, of which 17.0 acres will be used for main plant and ash pond; 15.0 acres will be for green belt; 3.0 acres will for coal storage and truck tripling system yards; 2.0 acres will be for fabrication/construction yard and temporary site office; 5.0 acres will be for raw water reservoir and 3.0 acres will be for infrastructural facilities. The co-ordinates of the site are at Latitude 25°10'30.4" N to 25°10'49.9"N and Longitude 92°23'41.7" E to 92°23'57.9"E. Coal requirement will be 0.201 MTPA at 85% PLF. Imported coal from Indonesia will be used until domestic coal is available. Fly ash will be supplied to M/s Cement Manufacturing Company Ltd and M/s Megha Technical and Engineers Pvt. Ltd. Air cooled condensers will be installed. CFBC Boilers with lime dosing will also be installed. Water requirement will be 1.2 MLD and will be sourced from Umtyrngai, Ummutha nallahs and Umlunar River through an anicut pipeline at a distance of 3.65 km east from project site. There are no national parks, wildlife sanctuaries, heritage sites, tiger/biosphere reserves, forest land etc. within 10 km of the site. Public hearing was held on 07.01.2011 Cost of the project will be Rs 183.73 Crores.

3. The project has been considered in accordance with the provisions of the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated September 14, 2006.

4. Based on the information submitted by you, as at Para 2 above and others and presentation made by you and your consultant viz. M/s Min Mec Consultancy Pvt. Ltd., New Delhi during the 22nd Meeting of the Expert Appraisal Committee (Thermal Power) held during April 4-5, 2011, the Ministry of Environment and Forests hereby accords environmental clearance under the provisions of EIA Notification dated September 14, 2006, subject to the compliance of the following Specific and General conditions:

A. Specific Conditions:

- (i) In case source of fuel supply is to be changed at a later stage (now proposed on imported coal from Indonesia) the project proponent shall intimate the Ministry well in advance along with necessary requisite documents for its concurrence for allowing the change. In such a case the necessity for re-conducting public hearing may be decided by the Ministry in consultation with the Expert Appraisal Committee.
- (ii) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emissions do not exceed 50 mg/Nm³. Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.
- (iii) Sulphur and ash contents in the coal to be used in the project shall not exceed 0.9% and 25 % respectively at any given time. In case of variation of coal quality at any point of time fresh reference shall be made to MoEF for suitable amendments to environmental clearance condition wherever necessary.
- (iv) Stacks of 110 m shall be installed and provided with continuous online monitoring equipments for SO_x, NO_x and PM_{2.5} and PM₁₀. Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack may also monitored on periodic basis.
- (v) The company shall undertake measures for rain harvesting to harvest the water from the built up and open area within the plant premises to recharge the ground water and to minimize the fresh water consumption.
- (vi) Hydro-geological status (quality and quantity) of ground water shall be reviewed annually from an institute/ organization of repute to assess impact of surface water and ground regime (especially around ash dyke). In case and deterioration is observed specific mitigation measures shall be undertaken and reports/ data of water quality monitored regularly and maintained shall be submitted to the Regional Office of the Ministry.

