

J-13011/44/2008-IA.II (T)
Government of India
Ministry of Environment & Forests

Tel no: 011- 2436 4067
Paryavaran Bhavan, C.G.O. Complex,
Lodi Road, New Delhi -110003.
Dated: 05.02.2014

To

M/s Nabha Power Ltd.
SCo 32, Sector 26-D,
Madhya Marg, Chandigarh-160019.

Tel: 0172-4646846; Fax: 0172-4646802

Sub: 2x700 MW Rajpura Thermal Power Plant of M/s Nabha Power Ltd. at Village Nalash, Tehsil Rajpura, District Patiala in Punjab –**Extension of validity of environmental clearance.**

Sir,

This has reference to your letters dated 22.07.2013 and 12.11.2013 requesting for extension of validity of environmental clearance accorded for the above mentioned project.

2. The matter was placed before the Expert Appraisal Committee (Thermal Power) in its 4th Meeting held during November 18-19, 2013. In acceptance of the recommendation of the Expert Appraisal Committee (Thermal Power) and in view of the information/clarification furnished by you with respect to the implementation of the above mentioned power project, the validity of the environmental clearance issued by this Ministry's letter of even no., dated 03.10.2008 and its amendment dated 15.11.2010 is now extended for a further period of five years i.e. till 02.10.2018.

3. Further, under Para no.3 of this Ministry's letter of even no. dated 03.10.2008 and its amendment dated 15.11.2010, after the condition no. (xxx), the following conditions shall be inserted:

- (xxx) Harnessing solar power within the premises of the plant particularly at available roof tops shall be undertaken and status of implementation shall be submitted periodically to the Regional Office of the Ministry.
- (xxxii) A long term study on radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.
- (xxxiii) Exit velocity of flue gases shall not be less than 22 m/sec. Mercury emissions from stack shall also be monitored on periodic basis.
- (xxxiv) Fugitive emissions shall be controlled to prevent impact on agricultural or non-agricultural land.

- (xxxv) No ground water shall be extracted for use in operation of the power plant even in lean season.
- (xxxvi) Source sustainability study of water requirement shall be carried out by an institute of repute. The study shall also specify the source of water for meeting the requirement during lean season. The report shall be submitted to the Regional Office of the Ministry **within six** months.
- (xxxvii) Hydro geological study of the area shall be reviewed annually and report submitted to the Ministry. No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up / operation of the power plant.
- (xxxviii) Minimum required environmental flow suggested by the Competent Authority of the State Govt. shall be maintained in the Channel/ Rivers (as applicable) even in lean season.
- (xxxix) COC of 5.0 shall be adopted.
- (xl) Fly ash shall not be used for agricultural purpose. No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.
- (xli) Green Belt consisting of 3 tiers of plantations of native species around plant and at least 100 m width shall be raised. Wherever 100 m width is not feasible a 50 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 75 %.
- (xlii) Three tier green belt shall be developed all around Ash Pond over and above the Green Belt around the plant boundary.
- (xliii) A common **Green Endowment Fund** shall be created and the interest earned out of it shall be used for the development and management of green cover of the area.
- (xliv) The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for free potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.
- (xlv) An amount of Rs. 22 Crores shall be earmarked as one time capital cost for CSR programme. Subsequently a recurring expenditure of Rs. 4.4 Crores per annum shall be earmarked as

recurring expenditure for CSR activities. Details of the activities to be undertaken shall be **submitted within one month** along with road map for implementation.

- (xlvi) CSR scheme should address Public Hearing issues and shall be undertaken based on need based assessment in and around the villages within 5.0 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programme. Company shall provide separate budget for community development activities and income generating programmes. Vocational training programme for possible self employment and jobs shall be imparted to identify villagers free of cost.
- (xlvii) It shall be ensured that in-built monitoring mechanism for the schemes identified is in place and annual social audit shall be got done from the nearest government institute of repute in the region. The project proponent shall also submit the status of implementation of the scheme from time to time.
- (xlviii) An Environmental Cell shall be created at the project site itself and shall be headed by an officer of the company of appropriate seniority and qualification. It shall be ensured that the head of the Cell shall directly report to the Head of the Organization.
- (xlix) Regular monitoring of ground water level shall be carried out by establishing a network of existing wells and constructing new piezometers. Monitoring around the ash pond area shall be carried out particularly for heavy metals (Hg,Cr,As,Pb) and records maintained and submitted to the Regional Office of this Ministry. The data so obtained should be compared with the baseline data so as to ensure that the ground water quality is not adversely affected due to the project.
- (l) Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall be undertaken.
- (li) The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.

(lii) The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.

4. All other conditions mentioned in this Ministry's letter of even no. dated 03.10.2008 and its amendment dated 15.11.2010 shall remain the same.

This issues with the approval of the Competent Authority.

Yours faithfully,

(Dr. Saroj)
Director

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Secretary, Science, Technology & Environment Department, Government of Punjab, Punjab Civil Secretariat, Chandigarh.
3. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
4. The Chairman, Punjab State Pollution Control Board, Vata Varan Bhawan, Nabha Road, Patiala, Punjab- 147 001.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
6. The Chief Conservator of Forests, Regional Office (NZ), Ministry of Environment and Forests, SCO 132-133, Sector 34-A, Chandigarh- 160 002.
7. The District Collector, Patiala District, Govt. of Punjab.
8. Guard file
9. Monitoring file.

(Dr. Saroj)
Director