



No. J-13012/127/2007-IA.II (T)
Government of India
Ministry of Environment, Forest and Climate Change

3rd Floor, Vayu Block,
Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003

Dated: 14.01.2020

To

The Chief Executive Officer
M/s Nabinagar Power Generating Co. Pvt. Ltd
(A wholly owned subsidiary of M/s NTPC Ltd.)
1st Floor, Vidhyut Bhawan,
Bailey Road, Patna-800001, Bihar.

Tel. No. 0612-2504010; Fax: 0612-2504098; E-mail: mpsinha1326@gmail.com

Sub: 3x660 MW Super-Critical Technology Coal Based Nabinagar Thermal Power Plant at Village Majhiyan, Nabinagar Taluk, Aurangabad District, Bihar by M/s Nabinagar Power Generating Company Private Limited-reg. extension of validity of EC.

Sir,

This has reference to your online application No. **IA/BR/THE/11929/2007** dated **21.10.2019** for extension for Environmental Clearance (EC) dated 27.12.2010 for further period of one year. The EC was initially valid for five years (till 26.12.2015). Further EIA amendment Notification dated 29.4.2015 increased the validity of EC to seven years. As the said EC was valid on the date of publication of the Notification, EC automatically get extended upto seven years (till 26.12.2017). Subsequently, the EC was further extended for two years (till 26.12.2019) vide Ministry's letter dated 20.3.2018.

2. It has been noted that you have requested for extension of validity of the said EC for further period of one year, i.e. till 26.12.2020. It has been informed that Unit-1 (1x660 MW) was commissioned on 6.9.2019. Further, Unit-2 (1x660 MW) and Unit-3 (1x660 MW) are in advanced stage of commissioning which are scheduled be to commissioned on 30.03.2020 and 20.12.2020 respectively.

3. It has been informed that the delay in scheduled implementation has been delayed due to various issues majorly relating to delay in Land acquisition for Make-up water, Railway Siding, Ash Dyke, CHP area, Switchyard, Cooling Tower. Acquisition process also delayed due to New Land Acquisition Act 2014, NCLT Order against Ash Handling & SG Civil Agencies, NGT ban on sand mining, Termination of contract for site levelling, Delay in availability of start up power, frequent Law and order issues in the area due to local/naxal bandhs. Further, this project is located in the Aurangabad of Bihar which is a LWE notified district, which are beyond the control of the company.

4. It has been informed that the amount of Rs. 13,966 Crore (till September, 2019) had already been spent on the development of the project. The estimated Project Cost at the time of grant of Environmental Clearance was Rs.9,568.27 Cores. The revised project cost has been estimated to be Rs.17,304 Cores out of which an amount of Rs.925.22 Crores has been earmarked for installation of FGD

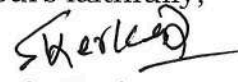
to meet new emission norms. The FGD package was awarded on 14.6.2019 and expected to be operationalize by 31.10.2021.

5. The matter regarding extension of validity of EC was placed before the Expert Appraisal Committee (Thermal Power) in its 35th Meeting held on 14.11.2019. In acceptance of the recommendations of the EAC in its meeting held on 14.11.2019 and in view of the information/documents furnished by you, **the Ministry hereby extends the validity of the Environmental Clearance dated 27.12.2010 for further period of one year (w.e.f. 26.12.2019 till 25.12.2020, total 10 years from the date of issue of EC)** subject to the following additional conditions.

- i. The details of Technology selection for adoption of FGD for control of SO_x shall be submitted. In case of wet FGD, details regarding source of limestone, impact of transportation, handling, storage and disposal of Gypsum including land requirement shall be submitted.
 - ii. In case SCR/SCNR is not adopted, an alternate technology analysis and justification of Technology Selection for NO_x reduction is to be submitted.
 - iii. Progress (physical and financial) of construction power plant till its commissioning, installation of FGD and De-NO_x measures shall be submitted as a part of six monthly compliance report.
 - iv. Emission norms and specific water consumption as per the Ministry's norms dated 7.12.2018 and 28.6.2018 shall be complied with. As committed, Flue-Gas Desulphurisation Unit and Selective Catalytic Reactor to control SO₂ and NO_x respectively shall be installed.
 - v. Water requirement for FGD to be installed in the existing units has to be provided. Therefore, water balance to be modified based on the water requirement for whole units including a plan on ZLD.
 - vi. The stack emissions (minimum, maximum, average and 98% percentile) shall be submitted for the period of six months in the compliance report. Further, daily water withdrawal, consumption, power generation and average PLF shall be submitted. The specific water consumption per MWhr shall be calculated based on water consumption and power generation and to be submitted in the compliance report.
 - vii. The plant shall operate only after meeting the new emission norms as notified by the Ministry. Else, extension of timelines from the CPCB for implementing pollution control measures for meeting new norms shall be obtained and a copy of the same shall be submitted to the Ministry.
6. All other conditions stipulated in the EC dated 27.12.2010 and Ministry's vide letter dated 20.3.2018 remain the same as applicable.

This issues with the approval of the Competent Authority.

Yours faithfully,


(Dr. S. Kerketta)
Director (IA.I)

Copy to:

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi- 110032.
4. The Deputy Director General of Forests (C), Ministry of Environment, Forests and Climate Change, Regional Office (ECZ), Bungalow No. A-2, Shyamali Colony, Ranchi – 834002.
5. The Principal Secretary, Environment & Forest Department, Govt. of Bihar, Aranya Bhawan, Riding Road, Patna-14.
6. The Chairman, Bihar State Pollution Control Board, Parivesh Bhawan, Plot no. NS-B/2, Paliputra Industrial Area, Patliputra, Patna (Bihar) - 800 023.
7. The District Collector, Collectorate Office, Aurangabad, Bihar-824101.
8. Guard file/Monitoring file.
9. Website of MoEF&CC.



Director (IA.I)