



SPEED POST

B-33014/07/2020/IPC-II/TPP/
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January 31, 2020

To,

The General Manager
Guru Hargobind Singh Thermal Power Station
Punjab State Electricity Board
Lehra Mohabbat, Bhatinda, Punjab

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 regarding compliance of emission limit notified vide notification No.S.O.3305 (E) dated 07.12.2015 - reg.

WHEREAS, taking into consideration pollution from thermal power plants, Ministry of Environment, Forest & Climate Change had issued notification in the year 1984 laying out standards for thermal power plants. Further, the stack height regulation was notified in the year 1989, effluent standard for thermal power plants was notified in the year 1986, revised temperature limit of discharge of cooling water from the plants was notified in the year 1999. Thereafter, MoEF&CC vide Notification No.S.O.3305 (E) dated 07.12.2015 amended emission limit for particulate matter and notified new limits for Sulphur dioxide (SO₂), Oxides of Nitrogen (NO_x) and mercury emission, and water consumption limit for coal/lignite based thermal power plants. As per the notification dated 07.12.2015, thermal power plants are required to achieve the notified limit within two years from the date of the notification i.e. by 07.12.2017;

WHEREAS, with the implementation of the amendment in the notification dated 07.12.2015, it is expected that there would be reduction in emission of PM, Sulphur dioxide and oxide of Nitrogen, which in turn will help in improvement in Ambient Air Quality in and around thermal power plants, besides reduction of mercury emission, and reduction in water consumption in the thermal power plants;

WHEREAS, taking into consideration the technical challenges and time requirements for installation of Flue Gas Desulphurization (FGD) and other technologies to meet the new emission limits, the MoEF&CC vide its letter F. No. Q-15017/40/2007-CPW dated 07.12.2017 has directed CPCB to direct all the thermal power plants to ensure compliance with the norms laid down in the 07.12.2015 notification in accordance with the revised Plan submitted by the Ministry of Power letter dated 13.10.2017 as well as NO_x by 2022;

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WHEREAS, IIT, Kanpur in a study on "Air Pollution and Green House Gases (GHGs) in Delhi, January, 2016" indicated that there are 13 thermal power plants (TPP) with a capacity of over 11000 MW in the radius of 300 kms of Delhi, which are expected to contribute to secondary particles. Hence, considering the impact of coal based power plants on ambient air quality in Delhi-NCR, the timelines given by Ministry of Power for thermal power plants located within 300 kms radius of Delhi were revised as December 31, 2019;

WHEREAS, in compliance to MoEF&CC direction dated 07.12.2017 following directions under section 5 of Environment (Protection) Act, 1986, were issued on 11.12.2017 to M/s Guru Hargobind Singh Thermal Power Station, Punjab State Electricity Board

- i. That plant shall install/retrofit Electrostatic Precipitators (ESP) by December 31, 2019 in Units 1-4 respectively so as to achieve PM emission limit,
- ii. That plant shall install FGD by December 31, 2019 in Units 1-4 respectively so as to comply SO₂ emission limit,
- iii. That plant shall take immediate measure like installation of low NO_x burners, providing Over Fire Air (OFA) etc. and achieve progressive reduction so as to comply NO_x emission limit by the year 2019.

WHEREAS, the compliance of the directions mentioned above (i to iii) for compliance of PM, SO₂ & NO_x emission limits were reviewed by CPCB periodically with last such review on 30.12.2019 and M/s Guru Hargobind Singh Thermal Power Station, Punjab State Electricity Board has reported unit wise compliance status in respect of PM, NO_x and SO₂ emission parameters.

WHEREAS, M/s Guru Hargobind Singh Thermal Power Station Punjab State Electricity has submitted that feasibility study has been completed for installation of FGD for compliance of SO₂ emission.

WHEREAS, M/s Guru Hargobind Singh Thermal Power Station Punjab State Electricity Board has failed to comply the directions issued under Section 5 of the Environment (Protection) Act, 1986 on 11.12.2017 for compliance of emission limit of SO₂/PM & SO₂ and impacting ambient air quality in and around thermal power plants.

WHEREAS, the Ministry of Environment, Forest & Climate Change, Government of India, vide Notifications No. S. O. 157 (E) of 27.02.1996 and S. O. 730 (E) dated 10.07.2002, has delegated the powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board, to issue directions to any industry or any local body or any other authority for

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violations of the standards and rules notified under the Environment (Protection) Rules, 1986 and amendment thereof.

NOW, THEREFORE, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s Guru Hargobind Singh Thermal Power Station is hereby directed to show cause as to why Units 1-4 of the plant should not be closed down and Environmental Compensation be imposed for the continuing non-compliance of the directions.

M/s Guru Hargobind Singh Thermal Power Station Punjab State Electricity Board is given an opportunity to respond to show cause notice within 15 days from issue of the directions, failing which action as deemed fit will be taken under the Environment (Protection) Act, 1986.


(SPS Parihar)
Chairman
Wafy 21/01/20

Copy to:

1. The Chairman
Punjab Pollution Control Board
Vatavaran Bhawan, Nabha Road
Patiala 147 001
Punjab
2. The Joint Secretary (CP Division)
Ministry of Environment, Forests and Climate Change
Prithvi Wing, 2nd Floor, Room No. 216
Indira Paryavaran Bhawan, Aliganj,
Jor Bagh Road, New Delhi - 110003
3. The Joint Secretary (Thermal),
Ministry of Power,
Shastri Bhawan, Rafi Marg,
New Delhi
4. The Regional Director,
Central Pollution Control Board
PICUP Bhawan, Ground Floor
Vibhuti Khand, Gomti Nagar
Lucknow-226010
5. The Divisional Head - IT, CPCB


(Prashant Gargava)
Member Secretary
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