

SPEED IOST

B-33014/07/2019/IPC-II/TPP/ ३२२३

June 25, 2019

To,

The General Manager,  
M/s Southern Thermal Power Station,  
CESC Ltd. 28, Garden Reach Road - 1,  
Kolkata - 700 024  
West Bengal

**Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 regarding compliance of specific water consumption 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 and effluent standard for thermal power plants was notified in the year 1986. The revised temperature limit of discharge of cooling water from the plants was notified in the year 1999 and thereafter use of beneficiated coal in the plants was issued in June 2002. The fly ash utilization notification was also issued on 14th September, 1999 and amended in the year 2003, 2009 and 2016. Thereafter, MoEF&CC vide Notification No.S.O.3305 (E) dated 07.12.2015 has amended emission limit for particulate matter and notified new limits for Sulphur dioxide (SO<sub>2</sub>), Oxides of Nitrogen (NO<sub>x</sub>) and mercury emission, and specific water consumption limit for coal/lignite based thermal power plants. As per the notification dated 07.12.2015, thermal power plants were 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 water consumption limit notified, PM, SO<sub>2</sub> & NO<sub>x</sub> dated 07.12.2015, it is expected that there would be reduction in water consumption and in emission of PM, Sulphur dioxide and oxide of Nitrogen;

WHEREAS, the review of work progress by thermal power plants for compliance of emission limits of PM, SO<sub>2</sub>, NO<sub>x</sub> & Hg and specific water consumption limit is being done by CPCB on six monthly basis;

WHEREAS, vide letter dated 02.01.2019 thermal power plants were asked to submit the specific water consumption (SWC) data to CPCB and SPCB on quarterly basis starting from Oct - Dec 2018 quarter

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by 10th day of the month succeeding the quarter in the provided format;


WHEREAS, based on the specific water consumption data from thermal power plants for the quarter of Oct - Dec 2018, the thermal power plants which were not meeting the specific water consumption limit, were asked to submit time targeted action plan for achieving the specific water consumption limit;

WHEREAS, according to the consultation held with technology providers, power plants and Central Electricity Authority (CEA) the Plants based on Once Through Cooling System shall require maximum 36 months' time to install and commission Cooling Tower System to comply with the applicable specific water consumption limit;

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

**NOW, THEREFORE,** taking into consideration all material facts including environmental concerns and ensuring stability of power supply and need for phasing the implementation, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s Southern Thermal Power Station, CESC Limited, Kolkata, West Bengal is hereby directed to install Cooling Tower System to comply with the specific water consumption standards and comply the standards latest by June 30, 2022.

The Plant shall submit six monthly progress report in first week of July and January and shall ensure compliance of directions mentioned above within given time frame, failing which action will be taken under appropriate provisions of the Environment (Protection) Act, 1986.

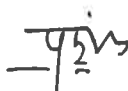
  
27/6/19  
(S.P.S. Parihar)  
Chairman



**Copy to:**

1. The Chairman  
West Bengal Pollution Control Board  
Paribesh Bhawan, 10-A, Block LA,  
Sector III, Salt Lake City,  
Kolkata-700 091
2. The Addl. 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 - 110 003
3. The Joint Secretary (Thermal)  
Ministry of Power,  
Shram Shakti Bhawan, Rafi Marg  
New Delhi - 110 001
4. The Regional Director,  
Central Pollution Control Board  
Southend Conclave, Block 502,  
5th & 6th Floor, 1582,  
Rajdanga Main Road,  
Kolkata - 700 107

✓ 5. The Divisional Head - IT, CPCB

  
(Prashant Gargava)  
Member Secretary

