



केन्द्रीय प्रदूषण नियंत्रण बोर्ड
CENTRAL POLLUTION CONTROL BOARD
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

SPEED POST

B-33014/07/2017-18/IPC-II/TPP/ 16456

January 18, 2018

To

The Chief Engineer
M/s Kota Super Thermal Power Station
Barrage Road, National Highway 76, Electricity Board Area
Kota - 324 008, Rajasthan

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 - confirmation thereof.

WHEREAS, the Thermal Power plants are identified as one of the 17 categories of highly polluting industries in the country and have been discharging environmental pollutants directly or indirectly into the ambient air and water, which pose constant threat to cause adverse effect on the air and water quality; and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, online emission and effluent monitoring systems need to be installed and operated by the developers and the industries on 'polluter pays principle'; and

WHEREAS, a direction under section 5 of the Environment (Protection) Act, was issued on July 21, 2015 to M/s Kota Super Thermal Power Station (KTPS) for installation of online emission & effluent monitoring systems for PM, SO₂, NO_x & pH, TSS, Temp. & flow parameters and submission of the status.

WHEREAS, M/s KTPS has installed opacity meters in all the units and provided connectivity to CPCB server.

WHEREAS, based on the observations made by the inspecting team from Regional Directorate, Central (Bhopal), a show cause notice was issued on April 19, 2017 to M/s KTPS to issue following directions on April 19, 2017.

1. That all the units (I-VII) were operating without valid consent (valid up to 30.06.2015) under Air Act 1981 and Water Act 1974.
2. That Rajasthan State Pollution Control Board has issued show cause notices on 12.01.2017 to KTPS for refusal of consent under section 31A of Air Act, 1981 and section 33A of Water Act, 1974 due to non-compliance of emission limits from all the units based on the monitoring conducted during December 2016.
3. That the concentration of PM from Units 1,2,3,4 & 5 were observed to be 95, 83, 131, 282 & 86 mg/Nm³ respectively against the standard of 150 mg/Nm³ whereas as per the online monitoring, the concentrations of PM were 101.1, 97.6, 82.9, 90.9 & 109.1 mg/Nm³ respectively. The deviations in concentrations were found in range of 6.5-68%. Emissions from Unit 4 were observed as exceeding the prescribed standards.
4. That fugitive emissions were observed to be very high varying from 310 to 1266 µg/m³ in and around coal handling area, ESP area of Unit 1 to 5 and Wagon Tripler area.

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5. That effluent treatment plant (ETP) has not been installed for treatment of effluent. Blowdown from all units has been directly discharged into river Chambal without any treatment.
6. That no flow meters have been provided on source of raw water intake, and at effluent generation sources.
7. That KSTPS has not yet installed OCEMS for SO₂ & NO_x.
8. That the authorisation under Hazardous Waste (Management & Transboundary Movement) Rules, 2016 has been expired and M/s KSTPS is operating without authorisation since 1.04.2015. ↓

WHEREAS, M/s KSTPS has submitted compliance and action taken report in compliance of show cause notice on dated May 02, 2017.

WHEREAS, compliance status was got verified through RD, Bhopal. RD Bhopal vide letter dated September 29, 2017 submitted inspection report and observed the following:

1. M/s KSTPS has applied to RSPCB for renewal of CTO (dated 10.07.2015) but consent was not granted due to non-compliance of consent conditions by M/s KSTPS.
2. The deviations in manual monitoring and online monitoring were found in range of 1-35%. The Unit-7 was found non-complying with the prescribed standard (50 mg/ Nm³), whereas during inspection dated 20-22.01.2017, emission from unit no 4 was found exceeding the prescribed limit.
3. M/s KSTPS is in process of setting up an ETP and STP for effluent treatment and presently, the drain from all the units is meeting into 2 mixed drains of plant. The water is being collected and reused for making of ash slurry.
4. M/s KSTPS is yet to initiate action to install online monitoring system for SO₂ & NO_x. Third party measurement/ analysis of these parameters is being carried out by M/s KSTPS.
5. The compliance status of RSPCB show cause notice cum direction is under preparation.

WHEREAS, M/s KSTPS has been directed on 11.12.2017 to install/upgrade ESPs by Dec 2022 in Unit- 5 & 6 to meet revised emission norms of 100 & 50 mg/Nm³ respectively and to install FGD by Dec 2022 in Unit- 5 & 6 and by Oct 2022 in Unit-7 to comply SO₂ norms and to meet NO_x norms by Dec 2022 as per plan submitted by MoP;

WHEREAS, Ministry of Environment & Forests, 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, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s KSTPS directed to comply with the following directions:

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1. M/s KSTPS shall take corrective measures in emission control systems so as to comply with applicable emission norms by all units and submit emission monitoring report as evidence in this regard within one month.
2. M/s KSTPS shall complete full compliance of directions issued by RSPCB and obtain renewed consent under Air & water Acts 1981 & 1974 for all the units within two months and shall not operate any such unit for which consent is not obtained within two months.
3. M/s KSTPS shall complete the installation of online monitoring system for SO₂ & NO_x parameters and establish connectivity of the same with CPCB sever in all complying units within two months and shall complete installation of online monitoring system for SO₂ & NO_x parameters in those units for which time has been sought to achieve norms within compliance achieving time limit.
4. M/s KSTPS shall install flow meters at the source of raw water intake and at the final discharge point.

M/s KSTPS, Kota shall submit ATR within one month from the date of issue of the directions. In case of failure to comply with the said directions environmental compensation will be levied and further necessary action as deemed fit under the provision of the Environment (Protection) Act 1986 will be taken by CPCB.

19/01/18
(S.P.S. Parihar)
Chairman
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Copy to:

1. Member Secretary
Rajasthan Pollution Control Board,
A-4, Institutional Area, Jalana Dungri,
Jaipur 302 004, Rajasthan
2. The Additional 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 Regional Director (Central)
Central Pollution Control Board
3rd Floor, Satkar Bhawan Near TT Nagar,
Bhopal - 462 016
4. Divisional Head- IT, CPCB
5. Divisional Head- IPC-VI, CPCB

23/01/18
(A. Sudhakar)
Member Secretary
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M/s Kota Super Thermal Power Station, Kota-324008, Rajasthan