



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

EMAIL & SPEED POST

IPC-II/TPP/CP-14/6/2023/1924

June 20, 2023

To,

The Chief Engineer,
Kakatiya Thermal Power Project Stage-II,
Chelpur (V), Ghanpur (M) Mandal,
Dist. Jayashankar Bhupalpally - 506 170
Telangana

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to Kakatiya Thermal Power Project Stage-II, TSGENCO, Telangana - Show Cause Notice - reg.

WHEREAS, 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 ambient air and water, having potential threat to cause adverse effect on air and water quality; and

WHEREAS, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries under the Environment (Protection) Act, 1986 and the rules framed thereunder; and

WHEREAS, for strengthening the monitoring and compliance through self-regulatory mechanism, a direction under section 18(1)(b) of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 was issued on February 05, 2014 to all the State Pollution Control Boards (SPCBs) / Pollution Control Committees (PCCs) for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) w.r.t. PM, SO₂, NO_x, pH, TSS, BOD, COD, Flow parameters in 17 categories of highly polluting industries including Thermal Power Plants; and

WHEREAS, directions under section 5 of the Environment (Protection) Act, were issued on July 21, 2015 to Kakatiya Thermal Power Project (KTPP), Telangana State Power Generation Corporation Limited (TSGENCO), Telangana for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for emission parameters PM, SO₂, NO_x, and effluent parameters pH, TSS, BOD, COD, Flow, and submission of the status of installation and data connectivity; and

WHEREAS, Kakatiya Thermal Power Project Stage-II (600 MW), TSGENCO, Telangana has been inspected by a team of CPCB RD Chennai during May 09-10, 2023 under the environmental surveillance of 17 categories of high pollution potential industries and common facilities based on OCEMS data, in order to verify environmental compliance and the status of OCEMS. The salient observations based on the inspection carried out by CPCB inspecting team are as below:

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‘परिवेश भवन’ पर्वी अर्जुन नगर, दिल्ली-110032

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

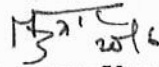
दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

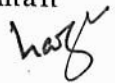
1. KTPP Stage-II has installed OCEMS for emission parameters PM, SO₂ and NO_x parameters, and established its connectivity with CPCB server. PM analysers are installed at three locations (one at stack, one each at the ducts of Pass A and Pass B after ESP and before entering the stack). However, the PM analyser installed at the stack was found in non-working condition, whereas, out of two PM analysers installed in Pass A and Pass B, only one analyser was found connected with the OCEMS portal.
2. The OCEMS data transmitted through PM analyser to CPCB server seems to be faulty (showing almost a straight curve of emission concentration). Further, the plant could also not submit any record for calibration of OCEMS analysers through third party/instrument supplier.
3. OCEMS has not been installed for effluent parameters (pH, TSS, BOD, COD, and Flow).
4. The concentration of PM during manual monitoring has been recorded as 49.63 mg/Nm³ (Std. 50 mg/Nm³).
5. The plant has not provided port holes for manual sampling as per Emission Regulation Part III, as only one port hole has been provided for manual sampling. The monitoring carried out at the provided port hole does not cover 1/3rd of the stack diameter.
6. On the 1st day of inspection (09.05.2023), it was observed that the ETP was not in operation. The effluent from process area which is permitted to discharge after treatment, and the wastewater from ash pond which must be recirculated and reused completely as per the Consent conditions, were observed being discharged directly into the Morancha Vagu without any treatment.
7. On the 2nd day of the inspection (10.05.2023), the unit started operating recirculation tank and clarifier provided for ash pond water treatment. The analysis results of grab samples collected on 10.05.2023 from outlets of blowdown stream, and process area effluent discharge channel, both were found to be exceeding the prescribed standards with respect to Iron (1.054 mg/l and 2.7 mg/l against 1.0 mg/l) and TSS (320 mg/l against 200 mg/l) parameters.
8. The plant has not installed separate water meters for recording water consumption for various purposes, including flow meters for fresh water consumption, wastewater generation, treated water reuse & discharge, which is mandatory as per the Consent conditions.
9. Fugitive emission from dry surface of ash pond was observed during the inspection. The plant has not provided water sprinklers in the ash pond to control the fugitive emission. The hydrobins provided for bottom ash were also found non-operational.
10. Oil barrels were stored in open area. The plant has not provided display board for Hazardous Wastes at the entrance gate which is mandatory as per Hon'ble Supreme Court orders in W.P (C) 657/1995.

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 the powers vested under Section 5 of the Environment (Protection) Act, 1986, Kakatiya Thermal Power Project Stage-II, TSGENCO, Telangana is hereby directed to show cause as to why the Plant should not be closed down in view of the observations of the inspecting team with respect to non-installation/connectivity of OCEMS, and non-compliance of effluent standards and ash pond water recirculation conditions.

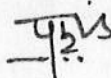
Kakatiya Thermal Power Project Stage-II, TSGENCO, Telangana is hereby given an opportunity to submit objections (if any) to the above directions, and compliance report in respect of the other shortcomings observed by the inspecting team, within 15 days from the receipt of this notice, failing which action as deemed fit under the provisions of the Environment (Protection) Act, 1986 will be taken by CPCB.


(Tanmay Kumar)
Chairman



Copy to:

1. The Chairman,
Telangana State Pollution Control Board,
Paryavaran Bhawan, A-III, Industrial Estate,
Sanathnagar, Hyderabad - 500 018
2. The Director (CP Division),
Ministry of Environment, Forests and Climate Change,
Indira Paryavaran Bhawan, Aliganj,
Jor Bagh Road, New Delhi - 110 003
3. The Regional Director,
Central Pollution Control Board,
2nd Floor, 77-A, South Avenue Road,
Ambattur Industrial Estate, Chennai - 600 058
4. The Collector & District Magistrate,
Collector Office, Dist. Jayashankar Bhupalpally,
Telangana
5. The Divisional Head - IT, CPCB


(Prashant Gargava)
Member Secretary

