

SPEED POST

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

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January 10, 2018

To

The General Manager
Kutch Lignite Thermal Power Station
Gujarat State Electricity Co. Ltd.
Vill: Panandhro, Tal: Lakhapat,
Kutch-370 601, Gujarat

Sub: Directions under Section 5 of the Environment (Protection) Act, 1986 to M/s Kutch Lignite Thermal Power Station, Lakhapat, Kutch, Gujarat- confirmation thereof.

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, which pose constant threat to cause adverse effect on air and water quality; and

WHEREAS, for strengthening 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, directions under section 5 of the Environment (Protection) Act, were issued on July 21, 2015 to M/s Kutch Lignite Thermal Power Station (KLTPS) for installation of Online Continuous Emission & Effluent Monitoring Systems (OCEMS) for parameters namely PM, SO₂, NO_x & pH, TSS, Temperature and submission of the status; and

WHEREAS, vide letter No B-33014/07/2017-18/IPC-II/TPP/M/s dated September 21, 2017, Kutch Lignite Thermal Power Station, GSECL, Lakhapat, Dist. Kutch, Gujarat was directed to show cause as to why your unit should not be closed for the shortcomings as highlighted by the inspecting team. Further, M/s Kutch Lignite Thermal Power Station, GSECL, Lakhapat, Dist. Kutch, Gujarat is directed to immediately initiate necessary action in respect of the following:

1. That M/s KLTPS shall submit an action plan for augmentation of the efficiency of ESP of all units so as to achieve the new emission limits vide notification dated 07.12.2015.
2. That M/s KLTPS shall immediately install & establish connectivity of Effluent Quality Monitoring System with CPCB server for pH, TSS and Temperature parameters as per the CPCB directions.
3. That M/s KLTPS shall expedite the corrective measures w.r.t. OCEMS in Unit-3 & 4 and the process of providing another stack with increased height of 190 meters in Unit-4.
4. That M/s KLTPS shall ensure continuous data transmission to CPCB server and regular calibration of CEMS. The unit shall also inform to CPCB immediately whenever CEMS or EQMS are not in operation either due non-operation of plant or any other reason.



M/s Kutch Lignite Thermal Power Station, Lakhapat, Kutch, Gujarat

WHEREAS vide letter No B-33014/07/2017-18/IPC-II/TPP dated October 11, 2017 & November 22.11.2017, M/s KLTPS has submitted the following status of compliance

1. Tender for feasibility study for ESP for all the units is under technical scrutiny at Corporate Office. ESP upgradation in all units will be completed during the period from March 2020 to Dec 2022.
2. Tender technical bid for procurement & installation of the sensors for EQMS was open on 10.10.17 and it is under technical scrutiny.
3. The opacity meter in Unit-3 has been repaired and in operation since 01.11.2017. Whereas, in Unit-4 it could not be repaired due to non-availability of spare parts of instrument. Therefore, web tender was published for new analyser and presently it is under technical scrutiny.
4. For SO₂ & NO_x parameters OCEMS of Unit-3 & 4 were out of service due to technical issues which has been rectified and put in service from 17.11.2017.
5. The construction of new stack of height of 190 meters in Unit-4. CTE for construction of stack has been obtained from GPCB.
6. M/s KLTPS has already been ensuring continuous data transmission and calibration of OCEMS. Information w.r.t. any interruption in data transmission is being submitted without any delay to CPCB/SPCB. to the show cause notice.
7. The stack emission report dated 12.10.2017 shows Unit- 2 as non-complying (PM conc.: 173 mg/Nm³ against 150 mg/Nm³), whereas, earlier CPCB team found that it was non-complying (PM conc.: 201.5 mg/Nm³ against 150 mg/Nm³).

WHEREAS, in response to letter No B-33014/07/2017-18/IPC-II/TPP/13001 dated November 01, 2017, M/s KLTPS vide letter dated November 22.11.2017 submitted compliance status. As per the analysis report submitted, out of units 1-3, PM emission (173 mg/Nm³) from Unit-2 was found exceeding limit of 150 mg/Nm³. Whereas during the inspection carried by RD, Vadodara on 17.08.2017, PM emission from Unit-1 (201.5 mg/Nm³) found exceeding the limit. This indicates that ESPs in Units 1 & 2 need upgradation or proper maintenance;

WHEREAS, M/s KLTPS has been directed on 11.12.2017 to install/upgrade ESPs by Dec 2020 to Dec 2021 and install FGD by Dec 2021 as per plan submitted by MoP to meet revised emission norms of 50 mg/Nm³;

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.

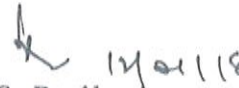

NOW, THEREFORE, in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s Kutch Lignite Thermal Power Station, GSECL is hereby directed to take immediate steps to comply with the following directions:

1. M/s KLTPS shall complete the installation and connectivity of EQMS to CPCB server within one month.
2. M/s KLTPS shall complete repair and connectivity of opacity meter in Unit-4 within one month.

M/s Kutch Lignite Thermal Power Station, Lakhapat, Kutch, Gujarat

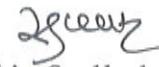

3. That M/s KLTPS shall expedite the construction of stack height of 190-meter height within time specified by GPCB.
4. M/s KLTPS shall take corrective measures in emission control systems so as to comply with applicable emission norms by all units and submit emission monitoring report as evidence in this regard within one month.

M/s Kutch Lignite Thermal Power Station, GSECL, Lakhapat, Dist. Kutch, Gujarat shall ensure compliance of above directions and submit compliance report within one month. In case of failure, the Board will be constrained to initiate action as may be deemed necessary and appropriate in the circumstance of the case under the Environment (Protection) Act, 1986.


(S.P.S. Parihar)
Chairman


Copy to:

1. The Chairman
Gujarat Pollution Control Board
Sector 10-A, Gandhi Nagar-382 043
Gujarat
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 - 110003
3. The Regional Director - West,
Central Pollution Control Board
Parivesh Bhawan, Opp. VMC Ward Office No. 10
Subhanpura, Vadodara - 390 023
4. The Divisional Head - IT, CPCB
5. The Divisional Head - IPC-VI, CPCB


(A. Sudhakar)
Member Secretary


M/s Kutch Lignite Thermal Power Station, Lakhapat, Kutch, Gujarat