



West Bengal Pollution Control Board
(Department of Environment, Government of West Bengal)
Paribesh Bhawan, Bldg. 10A, Block LA
Sector III, Salt Lake, Kolkata 700 106
Tel: 2335-6730, 2335-9088/7428/8211/6731/0261/8861
Fax: (0091) (033) 2335-2813

Memo No.

-7/WPB-Cont(416)/98 (Part-VI)

Date: 19/01/2022

DIRECTION

WHEREAS, M/s. The Durgapur Project Ltd. (hereinafter referred to as the industry) located at **Durgapur, Dist. – Paschim Bardhaman, Pin – 713 201** is a coal fired thermal power plant. Presently Unit#6 (1X110MW), Unit#7 (1X300MW) and Unit#8 (1X250MW) are in operational Stage which are provided with individual ESP followed by stacks as air pollution control device (APCD).

AND WHEREAS, there is a public complaint against the industry lodged by the villagers of village Piali, regarding dust pollution due to operation of coal crusher of the unit, indiscriminate disposal of coal ash, movement of vehicles through katcha road etc. A compliant has also been received from Sri Manas Roy, Councilor of Durgapur Municipal Corporation, Ward no. 32 regarding dust pollution generated from the coal crusher house of the unit.

AND WHEREAS, the industry was inspected by the **West Bengal Pollution Control Board** (hereinafter referred to as the State Board) official on 08.04.2022. During inspection unit#7 and #8 were found in operation with its ESP. The following observations were made during inspection:

- Empty container of lubricating oil was found kept under open sky at the coke oven section.
- Environmental information display board was found installed and updated upto 31.03.2022.
- Coal crusher house was found located towards the Piali village. Nearest building from the coal crusher house was approximately 300m away. During inspection coal crusher was not in operation. Glass windows of the crusher house were found in broken state. Coal dust was observed on leaf of the trees located between the Piali village and Coal Crusher House. There was no canopy over the coal supply line which is used for carrying raw coal for pulverization at coal crusher.
- Spreading of dust was observed during movement of vehicle from the kaccha road located along north side boundary of the unit. There was no permanent water sprinkler at coal handling plant, coal crusher area and along the side of the kaccha road. Dust was observed lying at the coal crusher area.
- Sewage Treatment Plant (STP) was found in defunct state. During earlier inspection 25.01.2022 similar observation was also made. Accordingly, on 03.02.2022 the unit was directed to submit compliance report regarding repairing and proper functioning of STP. The unit has not yet responded.
- The unit has 3 nos. ash ponds for wet disposal of ash. Leakage from the ash pond was observed at the time of inspection. Waste water samples were collected from the combined outlet of the plant, ash pond over flow and leakage water from the ash pond. The waste water analysis result shows non-compliance with respect to TSS for every sample. Results obtained **128 mg/L, 186 mg/L & 392 mg/L** against the permissible limit of 100 mg/L.

- During inspection stack sampling also carried out at boiler of unit#7. The result shows non-compliance. The unit has also failed to meet the emission standard on previous occasions on 27.10.2021 & 25.01.2022. The detail non-compliance for stack emission are given below:

| Date of Sampling | Sample collected from | Parameter | Result obtained (mg/Nm ³) | Permissible limit (mg/Nm ³) |
|------------------|------------------------------|-----------|---------------------------------------|---|
| 27.10.2021 | Stack Connected to Boiler #7 | PM | 239.30 | 50 |
| 25.01.2022 | Stack Connected to Boiler #7 | | 565.03 | |
| | Stack Connected to Boiler #8 | | 232.93 | |
| 08.04.2022 | Stack Connected to Boiler #7 | | 78.29 | |
| | Stack Connected to Boiler #8 | | 86.29 | |

- FGD system is yet to be installed by the unit. On enquiry, it was learnt that tendering has been done for installation of FGD.

AND WHEREAS, Consent to Operate of the industry is valid up to 31.07.2023.

AND WHEREAS, the industry was called for a hearing on 10.05.2022 at the Head office of the State Board for the above mentioned non-compliances of environmental norms. The General Manager on behalf of the unit appeared in the hearing and submitted that they have already taken the corrective measures to mitigate the environmental pollution in the surroundings. In this regard, the unit has made a submission mentioning the following:

- High stack emission was observed from unit #7 due to damaging of some ESP fields. They have replaced the same by new one and also upgraded the ESP to mitigate stack emission.
- High stack emission was also noticed from unit #8 due to high ash content in coal.
- Empty containers of lubricating oil have been removed from the coke oven section. Manifest has been submitted to the State Board.
- Broken glass windows of coal crusher house have been temporarily closed with jute bags and the said jute bags will be replaced by glasses at the earliest.
- Spreading of dust located along north side boundary of the unit has been arrested through water sprinkling with the help of water tankers.
- Water sprinkling system has been arranged in coal crusher as well as coal unloading sections for controlling the fugitive dust. They have also made an arrangement for water sprinkling in ash handling area and its adjacent road to control dust emission.
- STP will be made functional by the end of May, 2022.
- Online stack monitoring system, online effluent monitoring system and continuous ambient air quality monitoring system has been properly functioning and all are connected to CPCB server.
- Quantity of dry ash collection would be increased in the current financial year.
- Installation and commissioning of DSI-FGD will be completed by 31.12.2023.

AND WHEREAS, the Technical Committee is of the view that the unit is located at Durgapur, which is a Non-attainment city in terms of air pollution and under National Clean Air Action Plan, tentative National level target of 20-30% reduction of PM 2.5 and PM 10 concentration by 2024 has been proposed by Ministry of Environment, Forest and Climate Change, Govt. of India.

NOW THEREFORE, considering the above, **M/s. The Durgapur Project Ltd.** located at Durgapur, Dist. – Paschim Bardhaman, Pin – 713 201 is hereby directed as follows:

1. **That**, the industry shall always operate with efficient functioning of pollution abatement systems in order to comply with the **PM** emission standard as well as liquid effluent discharge standard.
2. **That**, the industry shall take necessary steps to achieve National level target of 20-30% reduction of **PM 2.5** and **PM 10** concentration by 2024 as proposed by Ministry of Environment, Forest and Climate Change, Govt. of India.
3. **That**, the industry shall clean dust at coal crusher area on a regular basis and take necessary steps to stop spreading of dust generated from the coal crusher house, coal handling plant, Kaccha road etc.
4. **That**, the industry shall make its **STP** functional and operate on regular basis.
5. **That**, the industry shall repair the leakage from ash pond at the earliest.
6. **That**, the industry shall excavate and remove settled ash from ash ponds so as to comply with the **TSS** discharge standard for the ash pond overflow.
7. **That**, the industry shall provide permanent water sprinkler at coal crusher area and the same will be operated on a regular basis.
8. **That**, the industry shall ensure that no discharge of ash laden water to river Damodar.
9. **That**, the industry shall take necessary steps for enhancement of dry fly ash utilization so as to achieve 100% utilization.
10. **That**, the industry shall take necessary steps for three tier plantations along the boundary of the unit near coal crusher house.
11. **That**, the industry shall install Flue Gas Desulfurization (**FGD**) and submit a compliance report to the State Board.
12. **That**, the industry shall submit an Environmental Compensation(**EC**) amount of **Rs. 3,70,000/-** (Rupees three lakhs seventy thousand) only within ten (10) days from the date of issuance of this direction, by Demand Draft in favour of **WEST BENGAL POLLUTION CONTROL BOARD** payable at Kolkata for violation of environmental norms as was observed during inspection by the Board official.
13. **That**, the industry shall execute a **Bank Guarantee (BG)** (proforma enclosed) of **Rs. 20,00,000/-** (Rupees twenty lakhs) only valid for twelve (12) months within fifteen [15] days from the date of issuance of this direction in favour of the **WEST BENGAL POLLUTION CONTROL BOARD (Union Bank of India IFSC Code UBIN0906638)** as an assurance to comply with the Board's directions as well as environmental norms.

The Environmental Engineer & In-Charge, Durgapur Regional Office of the State Board is requested to keep a strict vigil on the industry. If the industry is again found to be non-complying with the Board's direction, the Board will take strict regulatory action against the industry.

This direction is issued in exercise of the powers conferred under the provision of Section 33A of Water (Prevention & Control of Pollution) Act, 1974, Section 31A of Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and Rules made thereunder after being approved by the Competent Authority.

By Order,

Sd/-


Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board

Memo No. 915(11) -7/WPB-Cont(416)/98 (Part-VI)

Date: 13/9/2022

Copy forwarded for information and necessary action to:

1. M/s. The Durgapur Project Ltd. Durgapur, Dist. – Paschim Bardhaman, Pin – 713201
2. Shri Manas Roy, Councillor, Ward No.-32, Durgapur Municipal Corporation, P.O.- Gopalmath, Vill.- Jagurbandh, Durgapur-713 217
3. The Chief Engineer, Planning & EIM Cell, WBPCB
4. The Senior Law Officer, WBPCB
5. The FAM, WBPCB
6. The Environmental Engineer & In-Charge, Durgapur Regional Office, WBPCB
7. T.A. to the Member Secretary, WBPCB
8. P.A. to the Chairman, WBPCB
9. Environment Officer- Communication, WBPCB – for circulation through float file.
10. Guard file of O & E Cell
- ✓ 11. Technical Cell, WBPCB updating the website.


Chief Engineer
Operation & Execution Cell
West Bengal Pollution Control Board