



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

CP-14/34/2023-IPC-II-HQ 5672

26 October, 2023

To

M/s Durgapur Steel Plant,
Steel Authority of India Limited,
Mouza: Mejidih, Durgapur,
Dist: Paschim Bardhaman,
West Bengal-713203

Sub: Technical direction under Section 5 of the Environment (Protection) Act, 1986.

WHEREAS, integrated Iron & steel plants and sponge iron units are identified as one of the 17 categories of highly polluting industries which have been discharging environmental pollutants directly or indirectly into the ambient air and water, having potential threat to cause adverse effect on the water and air quality; and

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

WHEREAS, 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 emission monitoring system and online effluent monitoring system w.r.t. pH, flow, BOD, COD, TSS and PM parameters in iron & steel industries; and

WHEREAS, concerned SPCB / PCC issued directions under section 33A of the Water (Prevention & Control of Pollution) Act, 1974 and section 31A of the Air (Prevention & Control of Pollution) Act, 1981 to install the online monitoring system by June 30, 2015; and

Whereas, a team of officials from CPCB-Regional Directorate (Kolkata) inspected M/s Durgapur Steel Plant, Steel Authority of India Limited, Mouza: Mejidih, Durgapur, Dist: Paschim Bardhaman, West Bengal during 26-28.06.2023 for compliance verification of industrial units under standard surveillance programme and has made the following observations:

1. Durgapur Steel Plant (DSP) is an integrated steel plant and producing Steel via Blast Furnace route. The production capacity is 2.29 MTPA
2. The consent to operate issued to the unit is valid upto 31.07.2023 and Authorisation for Hazardous Wastes is valid upto 28.02.2026.
3. The Stack monitoring was carried out for Coke Oven #6, Blast Furnace#2 and Sinter Plant#2. The PM value in Coke Oven# 6 was found as 156 mg/Nm³ against prescribed limit of 50 mg/Nm³. In the BF#2, the NO_x value was found as 311 mg/Nm³ against prescribed limit of 150 mg/Nm³.
4. The treated effluent is discharged through any of the 4 no. of outlets: outfall-1, outfall-2, outfall-3, outfall-5. The inspecting team carried out monitoring at Biochemical Oxidation and

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Parivesh Bhawan, East Arjun Nagar, Delhi-110032

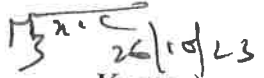
दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in

De-phenolisation (BOD) Plant ETP, Outfall-1, Outfall-2, Outfall-3 and Outfall-5 for effluent parameters i.e. pH, TSS, O&G, BOD, COD, PO4-P, NH3-N, Phenol, CN, PO4, Zn, Cu, Fe, Total Cr etc. As per monitoring results, few parameters i.e. TSS (224 mg/l against limit of 100 mg/l) & pH (10.1 against 6-8.5) at outfall# 1; NH3-N (147 mg/l against limit of 50 mg/l) at Outfall# 5 were not meeting the prescribed norms of SPCB. Remaining parameters were found meeting the prescribed limits.

5. In the Biochemical Oxidation and De-phenolisation (BOD) Plant, the samples were collected from inlet and outlet. It is observed that after treatment, the parameter BOD & COD is reduced by 99% & 98% respectively. Parameter PO4-P was higher at Outlet (1.77 mg/l) than the inlet (0.54mg/l) of BOD Plant.
6. During monitoring of Biochemical Oxidation and De-phenolisation (BOD) Plant at Coke oven area, an underground drain was found. During inspection, it was observed that some qty. of Tar/Oil sludge was adhered in the drain wall, indicating the use of this drain for bypass of ETP and discharging un-treated wastewater. During inspection, no discharge was observed into this drain, hence sample was not collected. The connectivity of the underground drain with adjacent local nalla could not be traced.
7. The unit is in process to install and maintain ZLD from all outfalls. The treated wastewater will be utilized for Coke quenching, slag granulation, Gas cleaning and Rolling mill cooling purpose. The target is fixed as December 2024.
8. OCEMS has been installed by the unit at Outfall-1, Outfall-2, Outfall-3, Outfall-5, ETP 1: BOD, ETP 2: BF GCP-I, ETP 3: BF GCP-II, ETP 4: SMS GCP, ETP 5: Rolling Mill and are operational. The team observed that data was being transferred to CPCB and WBPCB server on continuous basis.
9. The OCEMS installed at Outfall#1, recorded the TSS value as 61.97 mg/l (max) and pH value as 8.90 (max), it seems the system is not properly calibrated, whereas, as per monitoring results TSS was 224 mg/l against limit of 100 mg/l & pH = 10.1 against 6-8.5.

WHEREAS, the Ministry of Environment & Forests, Government of India, vide Notification No. S. O. 157 (E) dated 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 view of exceeding of effluent and emission norms and other above-mentioned shortcomings and in exercise of powers vested under Section 5 of the Environment (Protection) Act, 1986, M/s Durgapur Steel Plant, Steel Authority of India Limited, Mouza: Mejidih, Durgapur, Dist: Paschim Bardhaman, West Bengal is hereby directed to rectify the aforementioned shortcomings including dismantling of by-pass facility and submit the action taken report, along with documentary proof of complying the norms in respect of parameters found exceeding the norms, within 60 days from the date of issue of this notice, failing which, the Board will be constrained to initiate action as deemed necessary and appropriate under the Environment (Protection) Act, 1986.


(Tanmay Kumar)
Chairman



Copy to:

1. **The Chairman,**
West Bengal Pollution Control Board,
Paribesh Bhawan Bldg. No. 10 A,
Block-L A, Sector - 3
Salt Lake City, Kolkata – 700091
:With request to ensure compliance of this
direction & to submit action taken report
2. **The Additional Secretary (CP Division)**
Ministry of Environment, Forests &
Climate Change, Prithvi Wing,
Indira Paryavaran Bhawan
Aliganj, Jor Bagh Road,
New Delhi – 110003
:For information please.
3. **Regional Director**
Regional Directorate - East
Central Pollution Control Board
502, Southend Conclave
1582, Rajdanga Main Road
Kolkata – 700 107
:For information please.
4. **The Divisional Head**
IT Division, CPCB, Delhi
5. **The Divisional Head,**
IPC - VI, CPCB, Delhi


(Bharat Kumar Sharma)
Member Secretary

