



**By Speed Post**

F. No. B-190193/WQM-II/CPCB/P&P/2019-20

August 20, 2019  
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To

M/s Mateshwari Paper Mills Pvt. Ltd.,  
Mahuli, Karmalichak  
Didarganj, Patna City  
Patna-800009

**DIRECTION UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986**

**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 there under; and

**WHEREAS**, the Ministry of Environment, Forest and Climate Change, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986) to the Chairman, Central Pollution Control Board (CPCB), to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986 and other standards and norms; and

**WHEREAS**, M/s Mateshwari Paper Mills Pvt. Ltd., Patna City, Patna, Bihar- 800009 (hereinafter referred as 'the Unit') is engaged in manufacturing of Coated Duplex Kraft Paper at an installed capacity of 100 MT/day; and

**WHEREAS**, CPCB issued Show cause notice dated May 03, 2018 under section 5 of Environment (Protection) Act, 1986 regarding installation of online effluent monitoring system with following instructions:

1. The Unit shall submit documentary evidence regarding status of installation of online effluent monitoring system.
2. The unit shall submit the status on connectivity for submission of online 24x7 monitoring data to SPCB/ PCC and CPCB.

**AND WHEREAS**, the Unit vide letter dated 24.05.2018 informed that as per the guidelines OCEMS has been installed before start of production on 16.03.2018; and

**WHEREAS**, CPCB vide letter dated 27.08.2018 asked the unit to provide water audit and mass balance report prepared by any reputed government organization as the unit claimed ZLD; and

**WHEREAS**, the Unit vide letter dated 11.10.2018 provided water audit and mass balance report prepared by IIT, Patna which was examined and following observations were made:

1. Paper Mills recycles tertiary treated water in the washing and thickening as well as the paper machine steps.
2. Paper mill utilizes the entire wastewater generated in the paper making processes.
3. Primary clarified sludge from the ETP is recycled in the pulping of waste paper in the paper making.

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4. Water consumption of the unit was 4.8m<sup>3</sup>/tonne of paper produced which is higher than the expected water consumption in a ZLD unit.

**AND WHEREAS**, CPCB vide letter dated 10.12.2018 asked to IIT Patna for clarification regarding the high amount of fresh water consumption in the ZLD unit; and

**WHEREAS**, IIT Patna vide email dated 14.12.2018 informed the following clarifications:

1. Higher water consumption and water loss in any pulp and paper mill is generally due to the outdated technique with the age of equipment employed being higher. Higher water consumption and water loss in the paper mill can be attributed to the inefficient paper machine. The paper mill should focus on the paper machine step to minimize water consumption and water losses as has been suggested during the visit.
2. In order to improvise further, the paper mill can think of employing state-of-the-art production technique with time to minimize fresh water requirement and water losses.

**WHEREAS**, the Unit was inspected by the officials of CPCB on 11.03.2019 and made the following observations are made:

1. The unit was operational in manufacturing of coated duplex craft paper at capacity of 100MTD.
2. The ETP was found operational.
3. The unit was found non-complying with the prescribed effluent discharge norms BOD- **127.26 mg/l** (as against 30 mg/l); COD- **338.64 mg/l** (as against 250 mg/l); TSS- **51 mg/l** (as against 50 mg/l).
4. Flow meter was not installed at inlet.
5. **A provision for bypass arrangement was observed, however no discharge was observed during inspection.**
6. DAF and mechanised sludge dewatering system are not installed.
7. OCEMS was connected with CPCB/SPCB server with web camera, pH sensor was not working during inspection.
8. No flow meters were installed at different water intake points like pulping mill, paper machine, boiler and other domestic uses to estimate accurate water usages and balance as the unit is claiming ZLD.
9. Environment display board was not found.
10. Logbooks for solid waste generation and its management are not maintained.
11. Only one borewell was found in the unit premises to meet the fresh water demand. The fresh water consumption of the unit is 3210 m<sup>3</sup> for the month of February, 2019.
12. CGWA permission is yet to be obtained. Housekeeping was not satisfactory.

**AND WHEREAS**, CPCB issued a direction dated 20.05.2019 to the unit under section 5 of Environment (Protection) Act, 1986 to close down all the manufacturing operations with immediate effect and comply with following:

1. The unit shall dismantle bypass/drain line arrangement.
2. The unit shall submit self-certificate for closure in prescribed format to CPCB regarding closure of manufacturing operations in compliance of directions immediately.
3. The unit shall augment & up-grade ETP system so as to meet the effluent discharge standards and shall submit the details of measures taken for augmentation/upgradation of the ETP system.

4. The Unit shall install Web camera focusing ETP Outlet & flow meter at recycling point to monitor the quantity of recycled water in case of ZLD.
5. The unit shall seek permission from CPCB before resumption of any manufacturing operations.

**AND WHEREAS**, unit's reply vide letter dated 10.06.2019 & 15.06.2019 were examined and following observations were made:

1. Unit has submitted Self-certificate for closure of unit in the prescribed format along with copy of intimation to BSPCB.
2. Unit has submitted photographic evidence of dismantling of drainage arrangement and outer wall has been filled with cement and bricks to stop further any type of discharge.
3. Unit has strengthened the ETP with following measures:
  - a. Flow meter at ETP inlet line, all fresh water intake points like pulp mill, paper machine, boiler, domestic uses, borewell and ETP outlet.
  - b. DAF and mechanized sludge floatation by installing pneumatic air compressor system.
  - c. pH sensor attached with OCEMS has been replaced with new pH sensor wires and now it is working satisfactorily.
  - d. Display board installed at main gate stating daily monitoring data.
  - e. Total solid water in shape of sludge generated from ETP is directly used with raw material (filter layer). Logbook maintained.
  - f. Applied for permission from CGWA for withdrawal of ground water.
  - g. Additional web camera installed focusing ETP outlet and flow meter at recycling point to monitor the quantity of recycled water.
4. Unit has submitted adequacy assessment report prepared by NIT, Patna.

**AND WHEREAS**, the unit was inspected by CPCB team of officials on 17.07.2019 and made following observations:

1. Unit is not in operation since 03.06.2019.
2. Aeration tank of ETP was found operational to maintain biomass.
3. The by-pass arrangement has been dismantled by the unit.
4. Flow meter installed at ETP inlet, fresh water intake points like pulp mill, paper machine, boiler, domestic uses and ETP outlet.
5. The unit has installed DAF and B2 thickener.
6. Online rotating web camera installed to monitor the flow at inlet and equalization tank.
7. Online rotating web camera installed to monitor the flow at outlet.
8. OCEMS is installed at the outlet.
9. pH sensor cable was replaced.
10. For groundwater extraction CGWA permission has been applied.
11. Environmental data display board installed at the main gate.
12. Logbooks for ETP operation, flowmeter readings kept.
13. Housekeeping found satisfactory.

**AND WHEREAS**, CPCB constituted a three-member committee vide office order dated 27.09.2017 for examination & recommendation of representations from the unit regarding revocation of the closure direction issued by CPCB; and

**WHEREAS**, the three member committee in its meeting held on 07.08.2019 examined the representations from the Unit and recommended that the Unit may be allowed to resume operation and ensure that it maintains ZLD condition as per the consent.

**AND NOW, THEREFORE**, in view of the above observations and in exercise of the powers, delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, the unit M/s **Mateshwari Paper Mills Pvt. Ltd.**, Patna City, Patna, Bihar- 800009 is directed to comply with following directions:

1. The Unit may resume its manufacturing operation and inform to CPCB about the date of resumption of operation.
2. The Unit shall maintain ZLD condition as per the consent to operate issued by Bihar State Pollution Control Board.

In case of default in compliance with the above directions, CPCB will be constrained to initiate appropriate actions against the unit, without giving any further notice, in accordance with provisions of Environment (Protection) Act, 1986.

(S. P. SINGH PARIHAR)  
CHAIRMAN

**Copy to:**

1. **Member Secretary** : With request to ensure compliance of CPCB direction  
Bihar State Pollution Control Board,  
Parivesh Bhawan, Plot No. NS-B/2  
Paliputra Industrial Area, Patliputra,  
Patna (Bihar) - 800 010
2. **Joint Secretary (CP Division)** : For kind information  
Ministry of Environment, Forests & Climate  
Change, Indra Paryavaran Bhavan,  
Jor Bagh Road, New Delhi - 110 003
3. **Regional Director** : For kind information  
Central Pollution Control Board,  
Southernd Conclave, Block 502,  
5- 6 th Floors, 1582, Rajdanga Main Road  
Kolkata - 700 107 (W. B.)
4. **District Magistrate,** : For information and compliance of the  
Patna City, Patna, Bihar Direction
5. **Executive Engineer (Electrical)** : With a request to reconnect electric power  
Vidyut Bhawan, Baily Road supply of the Mill.  
Patna City, Patna, Bihar
6. Incharge, IT Division, CPCB : For uploading on CPCBs website
7. Master copy WQM-II, CPCB

(PRASHANT GARGAVA)  
MEMBER SECRETARY