



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

By Speed Post

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30-01-2019
04/02

To

M/s Krishna Tissues Pvt. Ltd.,
N.H. – 06, Vill. - Madri,
P.O. – Barunda, Bagnan
Distt - Howrah, West Bengal

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 Krishna Tissues Pvt. Ltd., N.H. – 06, Vill. - Madri, P.O. – Barunda, Bagnan, Distt - Howrah, West Bengal (hereinafter referred as 'the Unit') is engaged in production of coated Duplex Board at an installed capacity of 7900M T/ month; and

WHEREAS, CPCB issued direction under section 18 (1) (b) of the Water (Prevention and control of Pollution) Act, 1974 on 24.02.2015 to West Bengal Pollution Control Board (WBPCB) for implementation of the 'Charter for water recycling & pollution prevention in pulp & paper industries; and

WHEREAS, CPCB issued direction dated 15-02-2018, under section 5 of the Environment (Protection) Act, 1986 to the unit for compliance of following measures:

1. The unit shall install water meter at all the water abstraction points and maintain log book/ records for the same.
2. The unit shall obtain Authorization under the Hazardous Waste (Management and Handling) Rules 1989.
3. The unit shall submit ETP adequacy report duly validated by any reputed organization within 30 days from the date of issuance of direction.

AND WHEREAS, the unit replies vide letter dated 14-03-2017 & 25-04-2018 were examined and following observations were made:

1. The unit has installed Water meters at all the water abstraction point.
2. ETP Adequacy Report prepared by Jadavpur University has been provided.
3. The unit has applied for Authorization under the Hazardous Waste (Management and Handling) Rules 1989 to West Bengal Pollution Control Board.

AND WHEREAS, the Unit was inspected on 26-06-2018 by officials of CPCB and following observations were made:

1. During inspection the unit was found operational.

2. Effluent treatment plant was functional and comprises of equalization tank, primary clarifier, aeration tank, secondary clarifier and followed by tertiary treatment system i.e. Sand Filter(SF) Activated Carbon Filter (ACF).
3. Analysis results of collected samples from the final outlet of the unit showed pH 7.8 (as against of 5.5-8.5), BOD of 9 mg/l (as against 30mg/l), COD of 43 mg/l (as against 250 mg/l) and TSS of 46 mg/l (as against of 50 mg/l) which indicates compliance with the stipulated norms by CPCB.
4. Analysis results of collected samples from the aeration tank of the unit showed DO: nil, SS: 600 mg/l, MLSS:7420 mg/l, MLVSS: 5360 mg/l and SVI: 80.9.
5. On Line Monitoring System was found operational and one sample was also collected from the same place of OCEMS intake point to observe the compatibility of data with Laboratory analysis data.

Sample Id	pH	TSS (mg/l)	BOD (mg/l)	COD (mg/l)	Average Flow m ³ /hr
OCEMS	8.7	8.35	2.78	75.45	10.16
Lab analysis	7.8	23	12	47	

6. Lab analysis results and OCEMS data indicate that the OCEMS is not calibrated properly. High deviations are observed namely 11% in pH, 275% in TSS, 432% in BOD and 62% in COD.
7. Effluent from secondary clarifier is collected into lagoon through a drain for storage and after tertiary treatment it is drained out to the open low lying land but there is a bypass arrangement before entering the effluent into the lagoon and effluent is bypassed in the nearby low lying area containing high TSS (265 mg/l), BOD (272 mg/l) & COD (696 mg/l) than the given stipulated standard.
8. As per the claim of the industry that they are reusing the waste water from primary clarifier for pumping and from maturation pond in the process but exact quantity is not known or recorded.
9. Huge quantity of plastic waste is dumped inside the industry premises indiscreetly. Industry claimed that they have tie up with Birla Cement and sending it for co-processing but supporting document is not provided.
10. The unit has 3 no's of bore wells for fresh water requirement and has installed 3 nos. of water meter.

AND WHEREAS, CPCB issued directions dated 30.07.2018 under section 5 of Environment (protection) Act, 1986 to the unit **M/s Krishna Tissues Pvt. Ltd., N.H. – 06, Vill. - Madri, P.O. – Barunda, Bagnan, Distt - Howrah, West Bengal**, for compliance of following directions:

1. The unit shall close down all the manufacturing operations immediately and inform to CPCB.
2. The unit shall immediately stop bypassing polluted effluent in the nearby low lying area and seal all the outlet points other than ETP outlet.
3. The unit shall seek prior permission from CPCB for resumption of operation after compliance of above directions.

AND WHEREAS, the unit replies vide letters dated 07-08-2018, 10-08-2018 and 13-08-2018 were examined and following observation were made:

1. The unit submitted the affidavit dated 12/07/2018.
2. The unit has thoroughly repaired the damaged portion of surface drain leading to Facultative Aerated Lagoon.
3. The unit has closed permanently the by-pass line.
4. The unit has installed one more aspirator (diffused aerators) in aeration tank for proper biological treatment to achieve desired norms.
5. The unit has decided to construct new Facultative Aerated Lagoon and sedimentation pond with proper lining. Due to rainy season, the excavation of pond would be slow. It is expected that the work will be completed by 15 January 2019.

AND WHEREAS, the unit was inspected by CPCB team on 21-08-2018 and following observations were made:

1. The unit has stopped all the manufacturing operations.
2. The unit has blocked the bypass outlet temporarily. The unit has rectified the bypass line. However, the bypass channel is yet to be dismantled.
3. Aeration tank was in operation. DO in the aeration tank was found nil.
4. The storing of effluent into unlined ponds (2Nos) may result into pollution of ground water.

AND WHEREAS, CPCB vide letter dated 2-09-2018 asked the unit to implement following measures:

1. The unit shall close/block the bypass line permanently.
2. The unit shall restore the damaged area.
3. The unit should maintain optimum DO in aeration tank for proper biological treatment.
4. The unit should take necessary measures to prevent contamination of ground water by lining both the ponds.

AND WHEREAS, the unit replies vide letters dated 18-09-2018 & 8-10-2018 were examined & following observations were made:

1. The unit has thoroughly repaired the damaged portion of surface drain leading to Facultative Aerated Lagoon.
2. The unit has closed permanently the by-pass line.
3. The unit has replaced open surface drain to pipeline for conveyance of effluent to facultative aerated lagoon.
4. The unit has restored the area where effluent got bypassed.
5. The unit has installed one more aspirator (diffused aerators) in aeration tank for proper biological treatment and to achieve desired.
6. The unit has decided to construct new Facultative Aerated Lagoon and sedimentation pond with proper lining by 15 January 2019.

AND WHEREAS, the three-member committee in its meeting held on 08.10.2018 examined the representations and following recommendation are made:

1. The unit was recommended for revocation for 60 days.
2. Final revocation will be considered after considering the inspection report of CPCB.

AND WHEREAS, CPCB issued direction dated 05.11.2018 under Section 5 of Environment (Protection) Act, 1986 to the unit **M/s Krishna Tissues Pvt. Ltd., N.H. – 06, Vill. - Madri, P.O. – Barunda, Bagnan, Distt - Howrah, West Bengal**, to comply with following:

1. The unit shall resume the manufacturing operations initially for 60 days and inform to CPCB about the date of resumption of operation immediately.
2. The unit shall ensure to provide continuous OCEMS data on CPCB server.
3. The unit shall close down its operation after 60 days of resumption of operation and seek permission from CPCB for resumption of operation.

AND WHEREAS, the unit replies vide letter dated 10-12-2018 was examined & following observations were made:

1. The unit has resumed manufacturing operation on 10-12-2018.
2. The unit has constructed new facultative aerated lagoon and sedimentation tank with proper cement lining.
3. The unit has requested to revoke the condition of initial 60 days operation and may be inspected by CPCB officials to assess the status of ETP.

AND WHEREAS, the unit was inspected on 08-01-2019 by the officials of CPCB to verify the compliance status and following observations are made:

1. ETP was found operational.
2. Raw effluents from the process is conveyed through surface concrete drain to the ETP.
3. Effluent mixed with chemical coagulant and flocculent is fed in primary clarifier.
4. Suspended solids, BOD, COD are considerably remove in the primary clarifier.
5. Part of the effluent after primary clarifier is treated through existing dual media filter (05 Nos) and stored in recycling water tank for use in the paper mill.
6. Remaining effluent is then taken into aeration tank (with 6 Nos Aerators) for treatment according to extended aeration activated sludge process. Effluent after aeration tank is then fed in the secondary clarifier for the separation of bio-solids from the liquid.

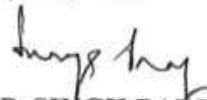
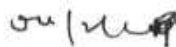
7. Sludge from primary and secondary clarifier is dewatered through decanter before disposal for filling low lying land within the factory area.
8. Secondary treated effluents are further provided with tertiary treatment in facultative aerated lagoon.
9. Low HP surface aerators have been installed in lagoon for imparting oxygen in lagoon.
10. Treated effluent from lagoon is thereafter provided with Activated carbon filter (ACF) before being discharged in the canal.
11. Analysis results of collected samples from the final outlet of the unit showed pH 8.08 (as against of 5.5-8.5), BOD- 13 mg/l (as against 30mg/l), COD- 103 mg/l (as against 250 mg/l) and TSS-24 mg/l (as against of 50 mg/l) which indicates compliance with the stipulated norms by CPCB.

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 16-01-2019 examined the CPCB inspection report and recommended for revocation; and

NOW THEREFORE, in view of the above mentioned 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 Krishna Tissues Pvt. Ltd., N.H. – 06, Vill. - Madri, P.O. – Barunda, Bagnan, Distt - Howrah, West Bengal** is hereby allowed to resume manufacturing operations and comply with effluent discharge norms as prescribed by West Bengal Pollution Control Board.

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


(S.P. SINGH PARIHAR)
CHAIRMAN


Copy to:

1. **Member Secretary** : [For kind information]
West Bengal Pollution Control Board
Paribesh Bhavan, 10A, Block-L.A.,
Sector III, Salt Lake City, Calcutta - 700 098
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. **Incharge, Regional Directorate (N)** : [For kind information]
Central Pollution Control Board
Southernd Conclave, Block 502,
5th & 6th Floors, 1582 Rajdanga Main Road
Kolkata - 700 107 (W. B.)
4. **Managing Director,** [For kind information]
West Bengal State Electricity Distribution
Company Limited
Kolkata, West Bengal, India
5. **The Incharge, IT Division, CPCB** [For uploading on CPCBs website]
6. **Master copy WQM-II, CPCB**


(PRASHANT GARGAVA)
MEMBER SECRETARY

O/C

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