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F. No. PJ-14011(12)/13/2024-WQM-II-HO-CPCB-HO

Date: 11.11.2024

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To,

M/s Shakti Krafts and Tissues  
09<sup>th</sup> km, Jansath road, Muzaffarnagar  
Uttar Pradesh – 251001

**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 & Forests, 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

WHEREAS, it is obligatory on the part of industries to install Effluent Treatment Plants (ETPs) and Air Pollution Control Devices (ACDs) to comply with the effluent and emission standards notified under the Environment (Protection) Act, 1986 and the Rules framed there under and also to comply with the conditions mentioned in Consent to Operate granted by State Pollution Control Board (SPCBs)/ Pollution Control Committees (PCCs); and

WHEREAS, M/s Shakti Krafts and Tissues, 09<sup>th</sup> km, Jansath Road, Muzaffarnagar, Uttar Pradesh - 251001 (herein after referred to as "the unit") is a Pulp & Paper unit involved in the production of Kraft paper using Wastepaper as raw material.

WHEREAS, the unit was inspected by officials from CPCB, Regional Directorate Lucknow on 08.08.2024 under 'Environmental Surveillance of 17 categories of high pollution potential industries and common facilities, based on OCEMS data'. and following observations were made:

1. During visit, the unit and ETP (capacity 2000 KLD) were found operational
2. The unit is engaged in production of Kraft paper using Indigenous & Imported wastepaper as raw material with consented capacity of 150 TPD. During inspection, unit was in operation with production capacity of 107 TPD.

‘परिवेश भवन’ पूर्वी अर्जुन नगर, दिल्ली – 110032.  
Parivesh Bhawan, East Arjun Nagar, Delhi - 110 032.

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

3. The unit has obtained valid CCA dated 12.05.2023 under Water Act, 1974 and Air Act, 1981 UPPCB with validity up to 31.12.2024 for production of Kraft Paper @ 150 MT/day using Wastepaper as raw material @ 180 MT/day and for operating at Zero Liquid Discharge (ZLD) by 100% recycling within process.
4. The unit has obtained Hazardous Wastes Authorization from UPPCB, having validity up to 23.03.2028.
5. The unit is meeting its freshwater requirements through 02 nos. of borewells. Electromagnetic flow meter found installed at the borewells and logbooks were maintained. The unit has obtained NOCs from UPGWD for ground water abstraction @ 900 KLD combined from both borewells, having valid upto 01.05.2027.
6. The avg. daily freshwater consumption in Process and Domestic use during July, 2024 was 201.86 KLD and 37.76 KLD, respectively, which is within specified limits. The specific freshwater consumption is 2.40 KL/MT of paper product which indicates compliance with consent conditions.
7. The unit has installed ETP comprising of Collection tanks (02 nos.), Hill screen, Sedicell, Primary Clarifier which are basically fibre recovery and TSS reduction units. The effluent from this ETP is recycled back to the process. ETP was found operational during visit.

Sample location	Parameters				
	pH	TSS (mg/l)	TDS (mg/l)	BOD (mg/l)	COD (mg/l)
Inlet of Collection tank – 1	5.83	6069	28072	16750	23599
Inlet of Pulper	5.85	4595	28715	18700	27120
Outlet of Collection tank – 1	5.84	4847	28805	17150	24849
ETP outlet	5.77	459	29064	18150	26778
Paper machine (Wire area)	5.79	537	29760	19550	29643

8. Effluent samples were collected from inlet of collection tank – 1, inlet of pulper, outlet of collection tank – 1, ETP outlet and paper machine (Wire area). High values of TDS (29760 mg/l), BOD (19550 mg/l) & COD (29643 mg/l) at paper machine (wire area) indicate that the unit is operating at ZLD in compliance of consent conditions as specified in CCA dated 10.04.2023 issued by UPPCB.
9. During inspection, no effluent was being discharged by the unit and analysis results of samples collected from ETP and process area indicates that unit is reusing the partially treated effluent back into the process.
10. The unit has installed electromagnetic flow meter at inlet & outlet of ETP. The unit has maintained logbook of ETP operation, energy & chemical consumption. The unit has provided PTZ camera at ETP area.
11. As per consent granted by UPPCB, the unit has to submit ZLD feasibility report by a recognized institution to justify its ZLD status. The unit is yet to carry out the study.

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12. As per consent granted by UPPCB, the unit shall install flow meter at recycling point and maintain logbook for the same. The flow meter at recycling point is not provided by the unit.
13. The unit has installed a boiler of capacity 14 TPH for steam generation using agro based fuels (i.e. wood chips, bagasse & rice husk @ 35 TPD). Boiler was found operational during visit. The unit has installed Multi cyclone and wet scrubber as air pollution control devices.
14. The unit has not provided proper stack monitoring facility such as ladder and platform.
15. The unit has installed a gasifier of capacity 35 TPD for plastic waste generated during process. Gasifier was found operational during visit. The logbook for operation of gasifier is not maintained by the unit.
16. The unit has provided display board at entrance gate of the factory displaying details of hazardous waste generated, quantity and nature of hazardous chemicals being used, water and air emissions and solid waste generated in the plant.

**It is evident from the above observations, that the Unit has not provided the ladder facility and monitoring platform at stack as per CPCB guidelines, not having adequacy report of ZLD system/scheme prepared by a government technical institute of repute, not installed the flow meters at effluent recycling/reuse point and not maintained the logbook for operation of gasifier.**

**AND NOW, THEREFORE,** in view of above observations and in exercise of the powers delegated to the Chairman, CPCB under section 5 of the Environment (Protection) Act, 1986, following directions are hereby issued to **M/s Shakti Krafts and Tissues, 09<sup>th</sup> km, Jansath Road, Muzaffarnagar, Uttar Pradesh:**

1. To provide ladder facility and monitoring platform at stack as per CPCB guidelines.
2. Submit an adequacy report of ZLD system/scheme prepared by a government technical institute of repute,
3. Install flow meters at effluent recycling/reuse points and maintain logbook for the same in compliance of consent conditions.
4. The unit shall maintain proper logbook for operation of gasifier.

**M/s Shakti Krafts and Tissues, 09<sup>th</sup> km, Jansath Road, Muzaffarnagar, Uttar Pradesh** shall ensure the directions mentioned above at Sr. No. 1 to 4 and submit duly notarized point wise compliance report along with measures taken for compliance of all directions within 30 days from the date of issue of the directions. In case of failure, the Board will be constrained to initiate action in accordance with the provisions of the Environment (Protection) Act, 1986.

  
**(TANMAY KUMAR)**  
CHAIRMAN



**Copy to:**

1. **Additional Secretary (CP Division)**  
Ministry of Environment, Forest & C.C  
Prithvi Block, Indira Paryavaran Bhawan,  
Jorbagh Road, New Delhi – 110 003 : For kind information, please
2. **Member Secretary**  
Uttar Pradesh Pollution Control Board  
Building. No. TC-12V, Vibhuti Khand  
Gomti Nagar, Lucknow-226010,  
Uttar Pradesh : With request to ensure  
compliance of the direction
3. **District Magistrate**  
Collectorate, Jila Parisad Colony,  
Muzaffarnagar, Uttar Pradesh-251001 : For kind information, please
4. **Regional Director**  
Regional Directorate North  
Central Pollution Control Board  
PICUP Bhawan, Ground Floor, Vibuti Khand,  
Gomti Nagar, Lucknow – 226010 : For kind information and follow  
up
5. **The Divisional Head**  
IT Division, CPCB : For uploading on CPCB website



**(BHARAT KUMAR SHARMA)**  
MEMBER SECRETARY

