



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/E-mail

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To,

The Member Secretary,
Uttar Pradesh Pollution Control Board,
Building. No. TC-12V, Vibhuti Khand,
Gomti Nagar, Lucknow-226 010,
Uttar Pradesh

DIRECTIONS UNDER SECTION 18 (1) (b) OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 REGARDING CONTROL OF INDUSTRIAL DISCHARGE IN JAJMAU, KANPUR DURING MAHA KUMBH, 2025 AT PRAYAGRAJ

WHEREAS, the Central Board, has delegated powers vested under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to the Member Secretary, Central Pollution Control Board vide its resolution made in 196th Board meeting dated 29th March, 2022 to issue direction under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 to State Board (s); and

WHEREAS, amongst others, under section 16 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the Central Pollution Control Board, constituted under the Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards & Pollution Control Committees to provide technical assistance and guidance to SPCBs/PCCs; and

WHEREAS, amongst others, under section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Board, constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for the prevention, control or abatement of pollution of streams and wells located in the State and to secure the execution thereof; and

WHEREAS, under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974, no person shall, without the previous consent of the State Pollution Control Board establish or take any steps to establish any industry, operation or process or any treatment or disposal system or any extension or addition thereto, which is likely to discharge sewage or trade effluent into a stream or well or sewer or on land; and

Contd.

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

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

WHEREAS, the discharge of partially treated/untreated effluent from the industries and sewage impact the water quality of River Ganga; thereby making the water unfit for bathing on the holy occasions; and

WHEREAS, a 20 MLD Common Effluent Treatment Plant (CETP) located in Jajmau, Kanpur, Uttar Pradesh is commissioned in August 2024 and it is designed to treat effluent generating from 346 tannery Units located in Jajmau area. The CETP is operated by M/s VA TECH WABAG Ltd., Chennai; and

WHEREAS, a team of officials from CPCB carried out the compliance verification of newly commissioned 20 MLD CETP Jajmau along with the assessment of effluent management in Jajmau, Kanpur on 10/10/2024 and observed the following:

Effluent conveyance system:

- i. The old 36 MLD CETP receives only sewage (approx. 24.5 MLD).
- ii. The pre-treated tannery effluent from member tannery Units is conveyed to 20 MLD CETP through the conveyance channel of old 36 MLD CETP Jajmau via three newly constructed pumping stations located adjacent to pumping stations of conveyance system of old 36 MLD CETP at Chabilepurva, Sheetala Bazar & Budhiyaghat.
- iii. From three new pumping stations, the effluent is pumped to the main Wazidpur pumping station (newly constructed), which transfers the effluent to the 20 MLD CETP for final treatment.
- iv. Member Units still discharges their effluent into old pipeline network for sending effluent to new pumping stations which are located very close to old pumping stations of old CETP.
- v. The individual connection of member tannery Units to the conveyance system of new 20 MLD CETP, via metered pipelines, is still pending.

20 MLD CETP Jajmau, Kanpur:

- i. The 20 MLD CETP Jajmau is based on extended aeration system. Average flow of about 8.53 MLD was received at CETP Inlet.
- ii. New 20 MLD CETP is operational since August, 2024 and stabilization & Reliability Test Run (RTR) of the CETP is expected to be completed before 7th December, 2024.
- iii. There is a provision of mixing treated effluent of CETP with treated sewage of STPs located in Jajmau CETP-STP complex (installed capacities of 130, 43 & 5 MLD) and old 36 MLD CETP Jajmau. The mixed effluent (treated tannery effluent + treated sewage) is then discharged into the irrigation channel.

iv. Sample analysis results are given below:

Parameter	CETP Inlet (Tannery effluent)	Outlet of STPs before mixing tank	Outlet of CETP before mixing tank	Treated effluent of CETP after dilution with treated sewage	Treated effluent after dilution in Irrigation channel
pH	7.58	7.97	6.97	7.58	7.80
Colour	NA	50	NA	NA	NA
BOD (mg/l)	1350	32.9	131	30	58.8
COD (mg/l)	3922	108	431	93.9	189
TSS (mg/l)	2479	23.6	30.2	21.7	79.9
TDS (mg/l)	NA	NA	6517	1993	1963
FDS (mg/l)	13181	NA	6063	1340	1848
Chloride (mg/l)	168	NA	553	280	327
Sulphide (mg/l)	NA	NA	NA	BDL	< 1.0
Oil & Grease (mg/l)	NA	NA	NA	5.18	16.5

NA: Not analyzed; BDL-Below detection limit

- v. The treated effluent of CETP before mixing with treated sewage was found non-complying w.r.t. discharge norms for BOD-131 mg/l (against norm of 30 mg/l) and COD-431 mg/l (against norm of 250 mg/l).
- vi. Pre-treated tannery effluent received at CETP inlet was not meeting the standards prescribed by Uttar Pradesh Pollution Control Board (UPPCB) for TSS-2479 mg/l (against norm of 600 mg/l).
- vii. Online Continuous Emission Monitoring System (OCEMS) at CETP Outlet was not functional.
- viii. The newly constructed 900 KLD Common Chrome Recovery Unit (CCRU) was found non-operational.
- ix. No record of generation/disposal of sludge was maintained.

AND WHEREAS, CPCB along with UPPCB carries out regular monitoring of river water quality (Ganga-8 and Pandu-1) and 29 drains (Kanpur-27 and Unnao-02) in Kanpur-Unnao region. Based on the data of monitoring of rivers and drains carried out on 08/10/2024 & 21/10/2024, following observations are made:

Drains:

- i. Out of 29 drains monitored in Kanpur (27) and Unnao (2), 20 drains have gradient towards river Ganga (18 in Kanpur and 2 in Unnao) and 9 drains have gradient towards river Pandu.

- ii. In Kanpur, out of 18 drains discharging wastewater into river Ganga, 10 drains were tapped. Out of 10 tapped drains, 5 drains were found dry and overflow was observed in 5 drains namely Bhagwat Das Ghat drain (46.1 MLD), Muir Mill drain (1 MLD), Wazidpur drain (0.3 MLD), Permiya drain and Budhiya Ghat drain.
- iii. Significantly high values of colour, BOD & COD were observed in following drains of Kanpur:
 - a. Dabka drain (Untapped, flow-1.7 MLD): Colour-125 Hazen on 08/10/2024.
 - b. Sheetala Bazar drain (Untapped, flow-16.1 MLD): BOD-340 mg/l & COD-891 mg/l on 08/10/2024 and BOD-1537 mg/l & COD-2135 mg/l on 21/10/2024.
 - c. Budhiya Ghat drain (Untapped): BOD-594 mg/l & COD-1150 mg/l on 21/10/2024.
 - d. Wazidpur drain (Tapped, overflow-0.3 MLD): Colour-250 Hazen, BOD-987 mg/l & COD-1874 mg/l on 08/10/2024.
- iv. Out of 9 drains discharging into river Pandu in Kanpur, 6 drains were tapped. Out of 6 tapped drains, overflow was observed in 5 drains namely Ratanpur drain (10.6 MLD), Panki drain (3.9 MLD), Ganda drain (36.5-223.7 MLD), Halwakhanda drain (23.4-24.7 MLD) and COD drain. Significantly high value of colour (125 Hazen) was observed in ShivNagar, Pipauri drain on 21/10/2024.

River water quality:

Water quality of river Ganga, from Bithoor to Fatehpur, was conforming to the primary outdoor bathing criteria (pH: 6.5-8.5, $DO \geq 5$ mg/l, $BOD \leq 3$ mg/l, fecal coliform ≤ 2500 MPN/100 ml) w.r.t. pH & DO at all monitoring locations on all the occasions. In terms of BOD and fecal coliform, river was not conforming to the primary criteria for bathing at all the monitoring locations.

AND WHEREAS, CPCB issued letters dated 06/12/2021, 02/11/2022, 25/11/2022, 19/12/2022, 07/03/2023, 20/03/2023, 05/04/2023, 12/05/2023, 27/06/2023, 16/08/2023, 19/09/2023, 13/10/2023, 01/01/2024 and 17/09/2024 to UPPCB to control the discharge of industrial effluent into drains of Kanpur and ensure no wastewater discharge from tapped drains into river Ganga; and

WHEREAS, CPCB issued direction dated 02/07/2024 to UPPCB under section 18 (1) (b) of Water (Prevention and Control of Pollution Act, 1974 to take appropriate measures including issuance of directions to ensure implementation of following pollution control measures in a time bound manner:

- i. UPPCB shall take immediate necessary action to effectively control all polluting sources contributing high BOD, COD, colour and total Chromium to the identified drains.

- ii. UPPCB shall direct the concerned authorities to ensure immediate repair of broken/damaged/temporary tapping provisions at drains and sewage pumping stations shall be operated regularly so that no wastewater is discharged through tapped drains.
- iii. UPPCB shall ensure that no industry disposes untreated/partially treated effluent not meeting prescribed standards into any drain so that River Ganga does not receive any coloured/untreated effluent.
- iv. UPPCB shall setup surveillance squads for tanneries and illegal industrial Units and ensure that no illegal industrial activities are being carried out.
- v. UPPCB shall take coercive action, as deemed fit, including levying of environmental compensation against the industries discharging partially treated/untreated industrial effluent and do not have adequate effluent treatment facilities to comply with the discharge norms and also on illegal industrial activities operating in the catchment of identified drains.

AND WHEREAS, no action taken report has been received so far from UPPCB; and

WHEREAS, Maha Kumbh, 2025, an important religious congregation, is scheduled to be held in Prayagraj from January 13, to February 26, 2025. This religious ritual involves a holy dip (bathing) in the Ganga River. Consequently, it is necessary to ensure the maintenance of water quality of River Ganga at Prayagraj and upstream locations; and

It is evident that 20 MLD CETP located at Jajmau, Kanpur is not operated and maintained properly to comply with the treated effluent discharge norms. The 700 KLD CCRU in Jajmau, Kanpur was found non-operational. Industrial effluent received at the inlet of the CETP is also not meeting the inlet effluent quality standards prescribed by UPPCB indicating that member Units are not complying with CETP inlet effluent quality standards. The individual connection of member tannery Units to the conveyance system of new 20 MLD CETP, via metered closed conduit pipelines, is pending. Significantly high values of colour, BOD and COD in drains of Kanpur indicated illegal discharge of partially/untreated effluent by industries into drains of Jajmau, Kanpur. Inadequate treatment of effluent by CETP, non-operation of CCRU, improper operation of PETP of individual tannery Units and illegal discharge of partially/untreated effluent by industries into drains has potential to cause deterioration of the water quality of River Ganga.

NOW, THEREFORE, in exercise of powers conferred under section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974, Uttar Pradesh Pollution Control Board (UPPCB) is hereby directed to take appropriate measures including issuance of directions to ensure implementation of following pollution control measures in a time bound manner:

1. UPPCB shall ensure that all tannery Units in Jajmau immediately complete individual connections, via metered pipelines, to the conveyance system of newly commissioned 20 MLD CETP Jajmau by December 20, 2024. Tannery Units failing to comply shall be directed to close down their manufacturing operations till their connection to the

conveyance system is established & verified to prevent the discharge of untreated/partially treated effluent into river Ganga or drains.

2. Proper operation of newly constructed 700 KLD Common Chrome Recovery Unit in Jajmau shall also be ensured failing which member tannery Units shall be directed to close down their manufacturing operations till completion of Maha Kumbh 2025.
3. UPPCB shall direct the CETP operating agency to ensure proper operation & maintenance of 20 MLD CETP Jajmau to comply with the treated effluent discharge norms.
4. UPPCB, along with the District Administration, shall set-up surveillance squads for physical verification of connectivity of member tannery Units, via metered pipelines, with the conveyance system of new 20 MLD CETP by December 20, 2024.
5. UPPCB shall identify and take necessary action, including levying of environmental compensation, against the member tannery Units which discharges effluent without meeting the CETP inlet norms prescribed by UPPCB.
6. UPPCB, along with the District Administration, shall carry out physical verification to ensure that the 81 Units, out of 346, reported as non-operational are closed and their water & electricity connections are disconnected.
7. UPPCB shall direct the concerned authorities to ensure immediate repair of broken/damaged/temporary tapping provisions at drains and sewage pumping stations shall be operated regularly so that no wastewater is discharged through tapped drains.

UPPCB shall acknowledge receipt of these directions immediately and submit the action taken report along with a time bound action plan to CPCB by within 30 days of receipt of this direction.


(Bharat Kumar Sharma)
MEMBER SECRETARY

Copy to:

1. **Additional Secretary (CP Division),**
Ministry of Environment, Forest & CC,
Indira Paryavaran Bhawan, Jor Bagh Road,
New Delhi - 110 003 : For kind information, please.
2. **Director General,**
National Mission for Clean Ganga,
(MoWR, RD & GR),
1st Floor, Major Dhyan Chand National Stadium,
India Gate, New Delhi - 110 002 : For kind information, please.
3. **District Magistrate-Kanpur Nagar,**
Collectorate, Civil Lines,
Kanpur Nagar-208001, Uttar Pradesh : For kind information and
necessary action, please
4. **Managing Director,**
Uttar Pradesh Jal Nigam (Rural),
6, Rana Pratap Marg,
Lucknow - 226 001, Uttar Pradesh : To take necessary measures to
ensure proper functioning of
pumping stations so that no
untreated wastewater is
discharged into river Ganga in
Kanpur.
5. **Managing Director,**
Uttar Pradesh Jal Nigam (Urban),
6, Rana Pratap Marg,
Lucknow - 226 001, Uttar Pradesh
6. **Project Director,**
State Mission for Clean Ganga - Uttar Pradesh, Plot
No. 18, Sector 07, Gomti Nagar Extension, Lucknow
- 226 010, Uttar Pradesh
7. **Regional Officer,**
Regional Office (Kanpur),
Uttar Pradesh Pollution Control Board,
5243, Avas Vikas, Phase-III,
Sadbhavana Nagar, Kalyanpur,
Kanpur-17, Uttar Pradesh : For kind information and
necessary action, please.
8. **Regional Director,**
Regional Directorate (North),
Central Pollution Control Board,
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow 226010, Uttar Pradesh : For kind information and
follow-up, please.
9. **In-charge, IT Division, CPCB** : For uploading the direction on
CPCB website, please.


(Bharat Kumar Sharma)
MEMBER SECRETARY