

Speed Post

WQM-II/ /CPCB/U.P. Tanneries CETPs/2016-17/ (Part File)

Date : 13th April, 2017

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The Managing Director,

Ganga Pollution Control Unit, U. P. Jal Nigam, Lucknow

6, Rana Pratap Marg Lucknow - 226001 U.P. (INDIA)

(the present occupier/operator agency of the CETP at Jajmau, Kanpur)

Direction under Section 5 of the Environment (Protection) Act, 1986

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 Boards (SPCBs)/Pollution Control Committees, constituted under the Water (Prevention and Control of Pollution) Act, 1974, is to plan a comprehensive programme for the prevention, control and abatement of pollution of stream and wells in the concerned State/UT and to secure the execution thereof; and

Whereas, the Central Government has notified the standards for discharge of environmental pollutants from various categories of industries and from common effluent treatment plants under the Environment (Protection) Act, 1986 and the rules framed there under; and

Whereas, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the SPCBs is to lay down effluent standards for industries and CETPs; and SPCBs may specify standards more stringent than those (National) standards specified by the Central Government under the Environmental (Protection) Act, 1986 the Rules framed there under, depending upon the quality of the recipient system and local conditions; and

Whereas, the State Pollution Control Boards/Pollution Control Committees (SPCBs/PCCs) are required to ensure installation and regular operation of the requisite pollution control facilities and compliance of meet the specified effluent standards by in industries and CETPs; 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, CPCB, to issue direction to any industry, Municipal Corporation, Municipal Council, Cantonment Board or to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules, 1986; and

Whereas, consequent to the inspections of the Combined Effluent Treatment Plant (CETP) for tanneries cluster in Jajmau (Kanpur) and the Common Effluent Treatment Plant (CETP) for tanneries cluster in Unnao, by a team from Central Pollution Control Board (CPCB) during June, 2010, CPCB, issued directions under section 18 (1) (b) of Water Act 1974 on 12.7.2010 to U.P. Pollution Control Board (UPPCB) on various points, including - *To ensure up-gradation of CETP at Kanpur*; and

Whereas, CPCB carried out inspections of tanneries in Kanpur-Unnao area during 2011 and 2012 and observed that a large number of tanneries remain in non-compliance; and

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Whereas, in view of the pending upgradation of the three CETPs for tanneries clusters at Jajmau, Kanpur, UPSIDC Industrial Area Site-II, Unnao and UPSIDC Leather Technology Park, Banthar, Unnao and the general problem of non-compliance of primary standards by tanneries, CPCB issued further directions under section 18 (1) (b) of Water Act 1974 on 28th October 2014 to U. P. Pollution Control Board (UPPCB) as below:

1. *To direct tanneries and the CETPs to submit a time bound action plan within 3 month for –*
 - i) *upgradation and proper operation of CETPs within 1 year to attain compliance of surface water disposal norms in final effluent, including TDS, and*
 - ii) *upgradation and proper operation of PETPs within 6 month to attain compliance of primary standards*
2. *To direct closure of tanneries if satisfactory compliance of above not observed within 3 month*
3. *To develop a mechanism to keep under close watch all tanneries for ensuring regular compliance of i) prescribed primary treatment standards / CETPs' design inlet parameters and ii) wastewater generation standards / permitted wastewater capacity.*

And Whereas, in follow up of the above directions of CPCB, UPPCB issued directions under section 33 A of Water Act 1974 to the occupier of the three CETPs - Direction dated 25th November 2014 to the CETP at Jajmau, Kanpur, and Directions dated 1st January 2015 to the two CETPs at UPSIDC Industrial Area Site-II, Unnao and UPSIDC Leather Technology Park, Banthar, Unnao, as below:

1. *To submit a time bound action plan within 3 month to attain compliance of primary standards and upgradation and proper operation of CETP within 1 year to attain compliance of surface water disposal norms in final effluent, including TDS*
2. *To submit a time bound proposal for installation of Online Monitoring System within 3 month*
3. *To submit a time bound proposal for upgradation and achieving Zero Liquid Discharge (ZLD) from CETP within three months.*

And Whereas, in accordance with the above directions of UPPCB, CPCB prepared sector-specific action plans for prevention and control of pollution in river Ganga from leather tanneries and informed to Chief Secretary, U. P. Government vide letter dated 24.02.2015 and to Member Secretary, UPPCB vide letter dated 12.06.2015 which involved upgradation of the three CETPs in Jajmau (Kanpur), UPSIDC Industrial Area Site-II, Unnao and UPSIDC Leather Technology Park, Banthar, Unnao to achieve Zero Liquid Discharge (ZLD) by 31st March 2016; and

Whereas, U.P. Jal Nigam (the present occupier/operator agency of CETP at Jajmau, Kanpur) informed UPPCB vide letter dated 27.3.2015 that DPR for Kanpur CETP will be prepared by CLRI, Chennai by June 2015; and

Whereas, CPCB, issued Show-cause Notice on 31.03.2016 to all CETP member tanneries of the Combined Effluent Treatment Plant (CETP), Jajmau, Kanpur, through its occupier/operator - U. P. Jal Nigam, Lucknow, directing them to show cause within 15 days as to why Directions be not issued to close their manufacturing operations and disconnecting their electricity supply till the CETP is upgraded so as to comply with standards; and

Whereas, several member units of the CETP, Jajmau, Kanpur have replied to the Show cause notice, stating that U.P. Jal Nigam is responsible for the management, operation and maintenance of the CETP Jajmau Kanpur and for upgradation of the CETP, U.P. Jal Nigam and State Government have already planned to upgrade the CETP and prepared the DPR; and

Whereas, two associations of member units of CETP, Jajmau, Kanpur, 'Small Tanners Association' and 'U. P. Leather Industries Association' have submitted a collective reply to the Show cause notice, stating that PETPs of member units are regularly monitored by UPPCB and the directions issued by CPCB and UPPCB to upgrade the CETP are related to U.P. Jal Nigam, and U.P. Jal Nigam has informed UPPCB vide letter dated 27.3.2015 that DPR for up gradation of the CETP is under preparation, and that the responsibility of upgradation of the CETP lies on the shoulders of the U.P. Jal Nigam, the occupier/ operator of the CETP; and

Whereas, CPCB issued directions dated 14/07/2016, to all CETP member tanneries of the Combined Effluent Treatment Plant (CETP), Jajmau, Kanpur, to comply the following within 15 days:

1. To submit proof of being member of the SPV to undertake or participate in the needed improvement of the CETP and submit undertaking to participate in the improvement of the CETP.
2. To submit plan to improve the CETP to ensure compliance of all parameters including TDSi/FDS in treated effluent at the outlet of CETP with firm time schedule, not exceeding beyond June 2017.

And Whereas, two associations of member units of CETP, Jajmau, Kanpur, 'Small Tanners Association' and 'U. P. Leather Industries Association' have submitted their replies vide letters dated 04/08/2016 and dated 02.08.2016 respectively which were examined and following observations noted:

1. DPR has been prepared and submitted to NGT.
2. Upgradation of CETP will be undertaken by U. P. Government/ U. P. Jal Nigam.
3. The time schedule is to be submitted by State Government.
4. The required action plan/time schedule has been submitted to CPCB. However, no such document was received by CPCB; and

Whereas, CETP, Jajmau, Kanpur was inspected by CPCB on 26.12.2016 and treated effluent sample analysis results showed BOD-106 mg/l (as against norm of 30 mg/l), COD-334 mg/l (as against norm of 250 mg/l), TDS-1929 mg/l (complying as against norm of 2100 mg/l), TSS-111 mg/l (as against norm of 100 mg/l) and Sulphide-74.18 mg/l (as against norm of 2 mg/l) which indicates non- compliance with the notified treated effluent discharge quality.

It has been observed that no plan with firm time schedule has been submitted for improvement of the CETP to ensure compliance of all parameters including TDSi/FDS in treated effluent at the outlet of the CETP either by tanneries' SPV or by U.P. Jal Nigam; it is also observed that the

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scheme of combined treatment of tanneries effluent with sewage in the CETP at Jajmau, Kanpur has been adopted in order to provide cost effective treatment of tannery waste, therefore, all CETP member tanneries are collectively responsible for proper collection and conveyance of effluent and compliance of standards at the outlet of CETP at Jajmau, Kanpur and they should have ensured it either through their own SPV or through U.P. Jal Nigam; and

And Whereas, Hon'ble Supreme Court in the writ petition (c) no. 375 of 2012 pronounced judgement dated: 22/02/2017 and issued direction as under:

1. *The setting up of 'common effluent treatment plants' should be taken up as an urgent mission. CETPs which are already under implementation should be completed within the lines already postulated. CETPs which are yet to be set up, concerned State Governments/ Union Territories were directed to complete the same within three years from today (i.e. 22/02/2017).*
2. *While acquiring lands for setting up of 'common effluent treatment plants' concerned State Governments will acquire such additional land as may be required for setting up "zero liquid discharge plants" as and when required in future.*
3. *Government (or the Union Territories), shall cater to the financial requirement, of running the CETPs, which are presently dis-functional, from their own financial resources.*
4. *For setting up CETPs, the concerned State Governments (or the Union Territories) will prioritize such cities, towns and villages, which discharge industrial pollutants and sewage, directly into rivers and water bodies.*
5. *The directions pertaining to continuation of industrial activity only when there is in place a functional primary ETP, and the setting up of functional CETPs, within the time lines, shall be of the Member Secretaries of the concerned Pollution Control Boards.*
6. *Some of the CETPs are dis-functional, because of lack of finances. Onus to operate the existing CETPs, rests on concerned Municipalities (and / or Local Bodies), cannot be permitted to shy away, from discharging this onerous duty.*
7. *The norms for generating funds, for setting up and / or operating the CETP shall be finalized, on or before 31.3.2017, so as to be implemented w.e.f. the next financial year.*

Now therefore in exercise of the powers delegated under Section 5 of the Environment (Protection) Act, 1986 (29 of 1986), to the Chairman CPCB, **Managing Director, Ganga Pollution Control Unit, U. P. Jal Nigam, Lucknow** (the present occupier/operator agency of the CETP at Jajmau, Kanpur), **6, Rana Pratap Marg, Lucknow - 226001 U.P. (INDIA)**, is hereby directed to comply with the following directions within 30 days:

1. The authority shall take all necessary measures so that CETP which has been commissioned and all pumping stations work to their maximum capacity regularly and in no case their function should be stopped.
2. The authority shall prepare a plan for interception, diversion of all the open Nallas falling directly in Ganges & its tributaries to trap the Nallas / drains and treat their water by

treatment plant so that no untreated waste water is directly flown in the river Ganga.

3. Necessary action shall be taken to stop the tanneries from discharging trade effluent beyond their sanctioned capacity.
4. To take all necessary steps so that CETP, CCRP and STPs and all pumping stations at Kanpur Nagar, work to their capacity and no untreated waste water is directly flown in the river Ganga.
5. CETP and STP shall maintain a complete record / log book of their operations.
6. Time bound action plan/DPR for augmentation and upgradation of CETP to ensure compliance of all parameters including TDSi/FDS in treated effluent at the outlet of CETP with firm time schedule to be submitted to CPCB.
7. To ensure all time compliance of the CETP treated effluent standards as per Gazette notification dated 01.01.2016 under Environment (Protection) Act, 1986.
8. To provide following information/details:
 - i) List of member tanneries and their addresses and contact no. /E-mail of CETP, Jajmau, Kanpur.
 - ii) List and their addresses and contact no. /E-mail of operational member tanneries of CETPs, Jajmau, Kanpur as on 31.03.2017.
 - iii) List and their addresses and contact no. /E-mail of integrated tanneries processing raw hide to the finished products.
 - iv) List of tanneries and their addresses and contact no. /E-mail carrying out processing of raw hide to wet blue leather.
 - v) List of chrome tanning units and their addresses and contact no. /E-mail and vegetable tanning units and their addresses and contact no. /E-mail.
 - vi) List of tanneries and their addresses and contact no. /E-mail having dry operations i. e. wet blue leather to finished product.
 - vii) Daily and monthly average volume (i. e. average volume/day & average volume/month) of trade effluent/sewage received at CETP, Jajmau, Kanpur for treatment and volume of trade effluent/sewage being treated or bypassed by CETP.
 - viii) Total estimated volume of trade effluent generated from member tanneries.
 - ix) Total estimated volume of sewage mixed before treatment in CETP.
 - x) Details of land available for construction of new CETP/additional treatment units as per the proposed action plan/DPR.
 - xi) Volume of sewage reaching to 36 MLD CETP, 5 MLD, and 130 MLD STP, volume of

sewage being treated and volume of sewage being bypassed.

- xii) Total estimated volume of sewage/trade effluent generated from Kanpur city which being bypassed into river Ganga, installed and utilized treatment capacity of CEPT/STP.
- xiii) Total estimated chrome liquor generated by tanneries and volume of segregated chrome bearing tannery effluent reaching at common chrome recovery plant (CCRP) for recovery of chrome, installed capacity of CCRP to handle volume of effluent.
- xiv) List of tanneries which are members of CCRP.
- xv) Chemical sludge generated and disposed of as the hazardous wastages norms from CCRP and CETP on monthly basis for year 2015 and 2016.
- xvi) Annual volume of chrome sulphate recovered through CCRP on monthly basis for year 2015 and 2016.
- xvii) Average daily operational hours of the combined sewage pumping stations, CCRP, 36 MLD CETP, 5MLD and 130MLD STPs, average daily power cut hours, details of alternative power backup arrangement.
- xviii) Details of STPs under consideration for setup and specific time limit when these plants will be completed and commissioned with regard to Kanpur city.
- xix) Average daily sewage received at Common Sewage Pumping Station and its designed capacity for pumping of sewage.

In case of default in compliance of the above direction, appropriate action may be taken in accordance with the provisions of the Environment (Protection) Act, 1986, without giving any further opportunity.

(S.P. SINGH PARIHAR)
CHAIRMAN

Copy to:

Principal Secretary Environment, UP : with request to ensure transfer of CETP
U.P. Government Secretariat, Lucknow and effluent collection to tanneries SPV.

Chairman, U. P. Pollution Control Board
Building No. TC-12V, Vibhuti Khand,
Gomti Nagar, Lucknow-226 010

- i. To make surprise inspection of CCRP, CETP, Combined Sewage Pumping Station and STPs at Kanpur at least once a week, and to send the report of inspections to CPCB and Managing Director, Ganga Pollution Control Unit, UP Jal Nigam, Lucknow.

ii. UP PCB shall also carry out estimation

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of water, as recorded in the meter installed at the tanneries. The condition of meter installed therein shall also be examined and necessary action shall be taken to stop the tanneries from discharging trade effluent beyond their sanctioned capacity.

- iii. UPPCB to get the chemical analyses (parameters: pH, Colour, BOD, COD, Faecal coliform & Total coliform) of water of river Ganga drain
- a) From a point before the river enters Kanpur
 - b) From a point first before Jajmau and
 - c) From a point after Jajmau and submitted to CPCB on weekly basis. The analyses may commence within 15 days after receipt of the direction.

Advisor (CP), Ministry of Environment Forests & CC
Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003

Secretary, State Urban Development Authority,
834, Bapu Bhawan, Lucknow, U.P. -226001.

Mayor/Chairman,
Kanpur Municipality Corporation,
Kanpur Nagar (D), U.P. - 208002.

Regional Director (North)
Central Pollution Control Board,
PICUP Bhawan, Vibhuti Khand, Gomti Nagar,
Lucknow (UP) -226 010

Small Tanners Association
187/170, Jajmau, Kanpur-208010

U.P. Leather Industries Association
Jajmau Road, Kanpur-208010

✓ **In-charge, IT Division, CPCB**
Guard File, WQM - II Division, CPCB

(A.B. AKOLKAR)
MEMBER SECRETARY