

TE-12/2/2017-O/oED(Tech)NMCG
National Mission for Clean Ganga
Ministry of Water Resources, River Development &
Ganga Rejuvenation

1st Floor,
Major Dhyan Chand National Stadium
India Gate, New Delhi-110002
Dated: November, 2017

OFFICE MEMORANDUM

Subject: Minutes of the 4th meeting of Supervisory Committee held on 06.11.17 at 03.00 PM under the chairmanship of Dr. Amarjit Singh, Secretary, MoWR, RD&GR

A copy of Minutes of the 4th joint Meeting of Supervisory Committee with the Implementation Committee in the matter O.A. No. 200 of 2014 held at Conference Room, MoWR, RD&GR on 06.11.2017 at 03.00 PM under the chairmanship of Dr. Amarjit Singh, Secretary, Ministry of Water Resources, RD&GR is forwarded herewith for information/necessary action.


(D. P. Mathuria)

Executive Director-Technical, NMCG
Member Secretary, Supervisory Committee

Encl: As above.

Copy To:

1. Additional Secretary, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi – 110032
2. Additional Secretary, Ministry of Urban Development, Nirman Bhawan, Maulana Azad Road, New Delhi – 110011.
3. Chief Secretary, 1st Floor, Room No. 110, Lal bahadur Shastri Bhawan, Uttar Pradesh Secretariat, Lucknow – 226 001
4. Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032
5. Dr. A. B. Akolkar, Flat No. H-503, Mayurdhwaj Society, plot No. 60, I P Extension, Patparganj, Delhi – 110092.
6. Prof A. K. Gosain, Department of Civil Engineering, Indian Institute of Technology Delhi, HauzKhas, New Delhi - 110 016
7. Prof. Vinod Tare, Department of Civil Engineering, Indian Institute of Technology Kanpur Kanpur – 208016
8. Principal Secretary, Department of Environment, U.P., Room No. 601, Bapu Bhawan Secretariat, Vidhan Sabha Marg, Lucknow – 226001
9. Principal Secretary, Urban Development Department, 824, Bapu Bhawan Lucknow, Uttar Pradesh – 226001
10. Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC – 12V, Vibhuti Khand, Gomti Nagar, Lucknow – 226 010
11. Managing Director, Uttar Pradesh Jal Nigam, 6, Rana Pratap Marg, Lucknow – 226001

Uttar Pradesh

12. Municipal Commissioner, Kanpur Nagar Nigam, Moti Jheel, Harsh Nagar, Kanpur,
Uttar Pradesh - 208002
13. Prof. A. A. Kazmi, Department of Civil Engineering, Indian Institute of Technology Roorkee,
Roorkee, Uttarakhand 247667
14. Chief Engineer, Irrigation Water Resources, Government of Uttar Pradesh, Cantt Road,
Udaiganj, Lucknow, Uttar Pradesh – 226001
15. Shri Sundeep, Director (T-II), NMCG

Copy for kind information to:

1. PS to Secretary, Ministry of Water Resources, RD&GR Shram Shakti Bhavan, Rafi Marg,
Sansad Marg Area, New Delhi, Delhi 110001
2. PS to Director General, NMCG
3. PS to ED (Project/Finance/Admin), NMCG

Minutes of Meeting of the Supervisory Committee held at Conference Room,

MoWR, RD&GR

The 4th joint meeting of Supervisory Committee and Implementation Committee constituted in accordance to the NGT's judgement dated 13.07.2017 in the matter O.A. No. 200 of 2014 was held on 06.11.2017 at Conference Room, MoWR, RD&GR under the Chairmanship of Secretary, MoWR, RD& GR. The list of participants is at **Annexure-I**.

The agenda was discussed in detail and following decisions were taken:

1. It was informed that in pursuance to the decision taken in 3rd meeting of Supervisory Committee, a stakeholder meeting along with TWIC and Prof. A. A. Kazmi, IITR was held in NMCG on 17th October 2017 to discuss the proposal regarding construction/ upgradation of CETP at Jajmau, Unnao and Banther. Minutes of the meeting is **annexed**. Jajamu tannery association and UPPCB agreed to the proposal for construction of dilution based 20 MLD CETP up to ultra-filtration technology at Jajamu. TWIC proposed an approximate capital cost of Rs. 419 crores and O&M cost of Rs.111.50/cu.m for the project. The total project cost includes cost for installation of Pre-Treatment unit for individual tannery as per standard design contained in the DPR prepared by TWIC amounting to aggregate amount of Rs.128 crore. The tannery association agreed to pay the O&M cost.

Principal Secretary, DOE, UP informed that a SPV has been formed by Jajmau industrial association which shall comprise members of tannery association and will be responsible for implementation of CETP as well as meeting its O&M costs. Further that in respect of proposal for construction/ upgradation of CETP at Unnao and Banther, meeting of Technical Evaluation Committee meeting is proposed for next week for reviewing the revised proposal submitted by UPLIA. NMCG informed that as per the NGT judgement dated 13.07.17 *'the industry shall contribute finances not exceeding 25% of the total cost in construction/ upgradation of CETP'*. Therefore, NMCG suggested that other than the O&M cost, individual industry should also bear the cost for pre-treatment installation which accounts for approximately 25% of the total cost so that inlet parameters of CETP as per DPR of TWIC are met and is essential for functioning of CETP.

Supervisory Committee deliberated on the proposal and in-principle approved the project in two phases as below, subjected to following conditions:

- a) **Phase-I:** The CETP shall have treatment units up to ultra-filtration comprising of primary and secondary units, quartz filter and ultra-filtration. The treated effluent will be subjected to dilution with treated sewage available at Jajmau.
- b) **Phase-II :** The RO units as proposed in NGT judgment dated 13.7.2017 will be appended/ retrofitted to the phase-I CETP, in case the industries fails to reduce the inlet TDS load to the extent to meet the stipulated CETP norms even after dilution with treated sewage.
- c) The implementation of the above proposal shall be in phased manner. The CETP (phase-I & phase-II) will be considered for approval by competent authority, but implementation of Phase-II part will be subjected to above conditions.
- d) All tanneries in Jajmau shall be member of SPV formed for the CETP and any violation in this regard will invite closure or shifting of operation/ industry unit out of Jajmau area.
- e) All tanneries contributing to CETP should have PETP as per the design standard prescribed in TWIC DPR to maintain the influent quality of CETP. UPPCB should ensure strict compliance of the same and take appropriate measures in this regard.
- f) The O&M cost of the CETP and capital cost of PETP will be borne by the member tanneries of CETP.
- g) State of UP shall be responsible for a monitoring mechanism/ framework for implementation and satisfactory performance of CETP.
- h) Provision made in the NGT judgment dated 13th July 2017 shall be complied with all stakeholders.

It was decided that State of Uttar Pradesh will ensure the following and provide the status in next meeting:

- 1) Finalize the mechanism for implementation of the Jajmau CETP to ensure that the water quality and objectives are met.
- 2) Ensure that the SPV has proper representation of Government in its Board so that CETP functions to the standards for which it was designed.
- 3) SPV and member tanners to confirm on bearing the cost of O&M and pre-treatment plant at individual tannery units.

- 4) TWIC will be engaged for a period of 1-3 years towards O&M of the plant as well as function as PMC for the project. This needs to be confirmed by SPV.
- 5) Technical evaluation of revised proposal for construction/ upgradation of Banthar and Unnao CETP may be completed. If ambiguity exists, the model of Jajmau shall be adopted for implementation. The technology provider shall be responsible for O&M of the plant for 1-3 years as in the case of Jajmau and tannery association shall concur on this.

NMCG shall ensure the following.

- a) TWIC should submit the modified DPR and same is subjected to TPA.
 - b) Approval on the financial model for construction/ upgradation of CETP at Jajmau may be obtained from competent authority.
2. Prof. Vinod Tare informed that ToR needs to be framed before the installation work of permanent structure for flow measurement in drains can be initiated. DG, NMCG wanted that need for carrying out regular monitoring of drains needs to be spelled out before the same is initiated. It was also explained that since sewage intervention projects for most of these drains have already been planned/ sanctioned, regular monitoring may not be required.
 3. It was informed that drain monitoring in Kasganj, Meerut, Moradabad, Bareilly, Rampur and Kannauj could not be undertaken due to unavailability of CPCB and IIT experts. It was decided that one-time monitoring of drains in Meerut will be carried out by IIT Roorkee, drains in Moradabad and Rampur by IIT Delhi, drains in Kasganj, Bareilly and Kannauj by IIT Kanpur so that data could be used for planning of sewage intervention projects for these towns and presented before the next meeting of the Committee. Chairman, CPCB confirmed their participation in the monitoring programme.
 4. It was informed that 65 drains falling under the jurisdiction of Urban Development Department, UP and 2 drains under the jurisdiction of Irrigation Department UP have been dredged. Chief Engineer, Irrigation Department UP informed that DPRs have been prepared, tendering is in process and the cleaning work would be complete by December 2017 in respect of remaining 16 (18-2) drains in their jurisdiction. Prof. A. K. Gosain suggested that management and disposal of desilted material at appropriate

landfill site, identified a-priori, is necessary. These sites should be located away from the drains so that desilted material does not wash back into the drain. The same should be made part of DPR and presented before the Committee. It was also decided that IIT experts may consider visiting the drains desilted, on sample basis, based on information along with photographs, shared with them. For this purpose, the information in respect of drains already desilted can be put on GIS maps and made available to IIT experts.

5. ED – Technical NMCG informed that details of drains in Phase-II of River Ganga have been obtained from UPPCB, CPPCB and Prof A.A. Kazmi, IITR. Based on the details, a drain monitoring schedule is proposed by participation of officials from UPPCB, CPCB, IIT Experts and NMCG. The information by joint team, once compiled, can be submitted before Hon'ble NGT. Secretary, MoWR, RD&GR suggested that IITs may decide the drains that can be taken up by them for the purpose of monitoring.
6. It was decided that next meeting of the Supervisory Committee will be held on 24.11.2017.

The meeting ended with vote of thanks.

List of participants:

1. Dr. Amarjit Singh, Secretary, MoWR, RD&GR–*in chair*-
2. Shri U. P. Singh, Director General, NMCG
3. Shri S. P. S. Parihar, Chairman, CPCB
4. Dr. A. B. Akolkar
5. Prof. A. K. Gosain, IIT Delhi
6. Prof. Vinod Tare, IIT Kanpur
7. Shri. D. P. Mathuria, Executive Director – Technical, NMCG
8. Mrs. Renuka Kumar, Principal Secretary, Department of Environment, UP
9. Shri. S. P. Shahi, Special Secretary, Urban Development Department, UP
10. Shri. Ashish Tiwari, Member Secretary, UPPCB
11. Shri Rajesh Mittal, Managing Director, UP Jal Nigam
12. Prof. A. A. Kazmi, IIT Roorkee
13. Shri Sundeep, Director Technical – II, NMCG
14. Shri. J. B. Ravinder, Joint Adviser, Ministry of Urban Development
15. Shri. Yoginder Pal Singh, Joint Director, MoEF
16. Shri. M. K. Singh, CE, Kanpur Nagar Nigam
17. Shri. B. Vinod Babu, Additional Director, CPCB
18. Shri. A. K. Vidyarathi, Additional Director, CPCB
19. Shri A. K. Gupta, Chief Engineer , UP Jal Nigam
20. Shri Ajay Bansal, CE, Irrigation Department, UP
21. Shri. V. K. Mishra, SE, Irrigation Department, UP
22. Shri T. U. Khan, Environment Engineer, UPPCB
23. Shri. Sravan Kumar Kota, Research Officer, NMCG
24. Mrs. Ruby Raju, Project Engineer, NMCG
