

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: 28 September, 2017

OFFICE MEMORANDUM

Subject: Minutes of the meeting of Supervisory Committee held on 25.09.17 at 02.00 PM under the chairmanship of Dr. Amarjit Singh, Secretary, MoWR, RD&GR

A copy of Minutes of the Meeting of Supervisory Committee along with the members of Implementation Committee held at Conference Room, MoWR, RD&GR on 25.09.2017 at 02.00 PM under the chairmanship of Dr. Amarjit Singh, Secretary, Ministry of Water Resources, RD&GR regarding the action plan submitted by Implementation Committee is forwarded herewith for information/necessary action.


(D. P. Mathuria) 28.9.2017

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, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032
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, Babu Bhawan Secretariat, Vidhan Sabha Marg, Lucknow – 226001
9. Principal Secretary, Urban Development Department, 824, Babu 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. Kazimi, 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 2nd joint meeting of Supervisory Committee and Implementation Committee was held on 25.09.2017 at Conference Room, MoWR, RD&GR under the Chairmanship of Secretary, MoWR, RD & GR. The list of participants is at **Annexure-I**.

The following discussions were held at the meeting and decisions were taken thereof.

1. UP Jal Nigam presented an action plan in respect of town wise status of tapping of drains through ongoing, sanctioned and proposed sewerage intervention projects. However the presentation lacked the requisite information as regards sewage load carried by the drain which has been or is proposed to be treated through tapping of drains or ongoing sewerage network projects. In view of this, Committee may not be able to take decision about the projects and action plan proposed by the States for taking up these projects. Secretary (WR,RD&GR) directed that information as regards sewerage infrastructure projects ongoing, sanctioned and in-process and proposed, particulars of the drains including their pollution load which is proposed to be managed through these projects may be compiled, sources of project funding proposed by the State in case projects are not as per priority of Namami Gange may be prepared and submitted.

DG, NMCG informed that in the action plan of State submitted to Hon'ble NGT, date(s) of submission of DPR of at least 15 projects has been mentioned as August'2017 whereas same have not been received in NMCG. UPJN informed that these dates were target dates proposed for submission.

2. UP Jal Nigam informed that 43 MLD STP at Jajmau, Kanpur approved under JNNRUM scheme could not be completed due to non-availability of funds. It was informed by Addl Secy, MoUD that since closure of JNNURM scheme in March'2012 with provision of financial closure till March'2017, State may have to source the balance requirement of funds at their own end. Secretary (WR,RD&GR) suggested that MoUD may consider the matter appropriately so that project, with 98% progress already made, could be completed.

3. DG, NMCG informed that a letter has been written to Secretary, MoUD providing details of locations which are prone to regular solid waste dumping along the banks of river Ganga. It was suggested that MoUD, under Swach Bharat Mission, may take up the matter with State Governments to ensure that no solid waste is being dumped along Ghats and drains at least in major cities/ cities with heritage value.

4. UPPCB informed that in respect of tannery cluster at Jajmau, Banther and Unnao, proposals were received from tannery associations in terms of order of NGT dated 13.7.2017. The proposal provides to create separate SPVs for management of CETP at these three clusters and has also proposed a project cost estimate, with sharing formula for the project cost in terms of judgment of Hon'ble NGT. The proposal has been made part of State action plan. However, it was informed by NMCG that the observations on the proposal have already been conveyed to UPPCB/ UPJN and industry association. The observations pertain to various important aspects viz., design capacity as well as design aspects of common chrome recovery system, in-house process improvement measures, carriage and conveyance system for tertiary waste etc. UPSIDC has proposed to develop an integrated mega leather cluster in village Sen purba Para and Sen pashim Para, Kuranina Bahdur nagar and Magrasa village near Ramipur, Kanpur. It was also informed that State government has yet not taken a decision on shifting the tannery units to new location in Ramaipur, Kanpur Dehat. It was decided that the State government may firm up its views on the proposal submitted by tannery association in respect of tannery clusters including the proposal for shifting the existing cluster to new location identified by UPSIDC. It was suggested that if the state government is not in agreement with shifting the tanneries, alternatively they may adopt the plan worked out by NMCG in consultation with CLRI and other experts. Further that such an action plan, duly approved by State government, may be submitted so that same can be discussed in the next meeting of Supervisory Committee.

5. It was informed by UDD, UP that

- i. 63 drains falls within the jurisdiction of Urban Local Bodies, out of which cleaning of 35 drains have been completed and cleaning work for remaining 28 is under progress.
- ii. Of the 21 drains in Kanpur Nagar Nigam, 16 drains (length 44 km) falling within area have been cleaned and 6700 cum sludge have been removed.
- iii. 4 drains fall within the jurisdiction of Cantonment Board area. While no information has been received from Kanpur, drain cleaning works have been initiated in Fatehpur and Meerut.

- iv. Few cleaned drains were also visited by officials from SPMG, UP for verification.
- v. It was informed by UP Irrigation Department that out of 86 drains, 19 drains falls within their jurisdiction and due to the flooding of drains owing to monsoon, the cleaning work of drains could not be taken up. It was proposed that the DPR preparation for all 19 drains & approval will be completed by October'2017, tendering & award by November'2017 and dredging works would be completed by end of March'2018. Secretary (WR,RD&GR) suggested to expedite the process and complete the works by December'2017.

The Supervisory Committee felt the need for verification of the cleaned drains and information regarding volume of sludge/ silt dredged and information regarding its disposal, else the same may again wash into the drain, if deposited on the banks of the drain. Further that requisite information as regards alignment of drain from its source to outfall location, stretches affected by clogging due to deposition of sludge/ silt necessitating its removal may also be mapped and provided to Supervisory Committee. These maps then can become basis for future referencing. Secretary (WR,RD&GR) suggested that the verification/ validations of dredging works carried out in the drains may be carried out by the IITs, which was agreed by three participating experts from IITs. For this purpose the maps already available with UPJN as part of their DPR in respect of drains located in cities/ towns, NMCG prepared maps using available DEM alongwith list of drains in these cities/ towns, stretches cleaned by UDD, volume of silt already dredged or proposed to be dredged, dredged silt/ sludge management plan be made available to IITs in a week time. IITs would thereafter allocate drains for verification/ validation of dredging works amongst IITR/ IITD/ IITK and others and carry out the exercise for the Committee. UPJN/ UDD will extend all necessary assistance to IITs in this regard.

6. DG, NMCG informed that the projects appraised and sanctioned by NMCG are based on pollution loads estimated on population projections as per CPHEEO manual wherein correlation is also established with the flows available in the drain at present. However, there is always ambiguity about the quantity of flow in the drain largely due to method of observation which usually is float method, a crude method usually adopted to make a preliminary assessment only. However, better methods like V-notch or flume methods have also been used to monitor the flows for picking the diurnal variations. Experts from IITs wanted that since interception & diversion kind of sewerage projects are being taken up, so it is essential that flows mapping be carried out regularly by establishing permanent measurement infrastructure like V-notch or flumes at pre-identified locations on the drains so that this data is scientifically

collected and archived. Director (T-II), NMCG informed that only 26 drains out of 86 drains lies within city limits and remaining are mostly natural drains, therefore installing structures at all the drains would not be possible.

Secretary, MoWR suggested to engage IITs for installation of permanent structure in the feasible drains for flow measurement. The IITs with the help of UP Jal Nigam/ NMCG shall divide the stretch, analyze the drains, install the permanent flow measuring devices and measure the flows. For this work, Rs. 1 lakh per drains can be an approximate cost for installing a measurement structure, which may be provided to IITs. The work allocation letter in this regard shall be forwarded to the respective institutions before 30.9.2017. The experts from IITs informed that work shall be completed within 30 days after receipt of such correspondence.

7. CPCB informed that inspection of all industries located in Ganga river basin generating 100 KLD or above per day have been completed in terms of order of Hon'ble NGT. Secretary (WR, RD&GR) wanted that this information may be got compiled, analysed and presented in next meeting of Committee.

8. CPCB informed that about 63000 tonnes of chromium bearing hazardous waste is dumped at Khanchandpur vill, Kanpur Dehat distt. This waste, over a period of time, has further contaminated about 2.5 lakh ton of soil and ground water alike and is posing a significant health hazard for the local population. A DPR has been prepared by CPCB under NCEF project which proposes to shift the waste to existing TSDF site and decontaminate the soil through in-situ measures as well as decontaminate the ground water. The estimated cost for transportation alone is about 160 crore, for which no funding arrangements are available. It was decided that CPCB may carry out consultations with experts in this field like Prof Lygy Phillip, IIT Madras and others and submit the opinion of the experts before the Committee.

9. It was informed by Executive Director(Tech), NMCG that action plan in respect of drains falling into Ganga d/s of Unnao to Buxar and its tributaries viz., Yamuna d/s of Okhla upto Sangam, Allahabad; Hindon, Kali-East forming Phase-II of Ganga has been submitted only by the State of UP and Haryana. However, the action plan does not contain requisite details viz., number of drains, their details in terms of status of tapping, water flows, water quality etc. This information is required so that same can be inventorised before the same is also subjected to verification in regard to drain characteristics (flow, quality etc). The matter was discussed and it was decided that NMCG may collect this information by seeking the same

from concerned departments of the State of UP, Haryana, MP and Rajasthan as well as obtain the flow characteristics through grab sampling and float measurements. It was also decided that this work may be completed within a period of one month.

10. It was decided that next meeting of the Supervisory Committee will be held on 9.10.2017 at 03:00 pm.

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. A. K. Mehta, Additional Secretary, MoEF
4. Shri. Manoj Kumar, Additional Secretary, MoUD
5. Shri. S. P. S. Parihar, Chairman, CPCB
6. Dr. A. B. Akolkar, Member Secretary, CPCB
7. Prof. A. K. Gosain, IIT Delhi
8. Prof. Vinod Tare, IIT Kanpur
9. Shri. D. P. Mathuria, Executive Director – Technical, NMCG
10. Dr. Rupesh Kumar, Special Secretary, Department of Environment, UP
11. Shri. S. P. Shahi, Special Secretary, Urban Development Department, UP
12. Shri. Ashish Tiwari, Member Secretary, UPPCB
13. Shri. Rajesh Mittal Managing Director, UP Jal Nigam
14. Prof. A. A. Kazmi, IIT Roorkee
15. Shri Sundeep, Director Technical – II, NMCG
16. Ms. Aditi Singh, DM Unnao
17. Dr. ManoranjanHota, Adviser, MoEF
18. Shri. J. B. Ravinder,, Joint Adviser, Ministry of Urban Development
19. Shri. B. Vinod Babu, Additional Director, CPCB
20. Shri. A. K. Vidyarathi, Additional Director, CPCB
21. Shri. Sanjay Tewari, UPSIDC
22. Shri T. U. Khan, Environment Engineer, UPPCB
23. Shri A. K. Gupta, Chief Engineer , UP Jal Nigam
24. Shri R. K. Agarwal, GM, UP Jal Nigam, Kanpur
25. Shri. Mohd Tahir, EE UP Jal Nigam, Ghaziabad
26. Shri. J. A. Ansari, Technical Adviser, SPMG, UP
27. Shri. Ajay Bansal, Chief Engineer, Department of Irrigation, UP
28. Shri. Vinod Kumar Mishra, SE
29. Shri. M. K. Singh, Chief Engineer, Kanpur Nagar Nigam
30. Shri. R. K. Singh, Project Engineer, Kanpur Nagar Nigam
31. Mrs. Ruby Raju, Project Engineer, NMCG
