


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: 10th May, 2018

OFFICE MEMORANDUM

Subject: Minutes of the 6th meeting of Supervisory Committee held on 04.05.2018 at 09.30 AM under the chairmanship of Shri U. P. Singh, Secretary, MoWR, RD&GR

A copy of Minutes of the 6th 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 04.05.2018 at 09.30 AM under the chairmanship of Shri. U. P. Singh, Secretary, Ministry of Water Resources, RD&GR is forwarded herewith for information/necessary action.


(D. P. Mathuria) 10.5.2018

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, Hauz Khas, 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
16. Chairman, Central Water Commission, Sewa Bhawan (S), R.K. Puram, New Delhi-110066
17. Chairman, Central Ground Water Authority

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 6th Meeting of the Supervisory Committee held at Conference Room,
MoWR, RD&GR

The 6th joint meeting of Supervisory Committee and Implementation Committee was held on 04.05.2018 at Conference Room, MoWR, RD&GR under the Chairmanship of Secretary, MoWR, RD & GR. The list of participants is at **Annexure-I**.

ED Technical NMCG briefed that on 3rd April 2018, UPJN, UPPCB and CPCB informed Hon'ble NGT that their submissions have not being incorporated by NMCG. Post review of progress by Supervisory Committee on 13th February 2018, NMCG had repeatedly reminded all stakeholders to submit their progress report in the format prescribed by Hon'ble NGT. As per Supervisory Committee decisions, NMCG had compiled all available information till 8th March 2018 (Thursday) and submitted to NGT after approval of Chairman of the Supervisory Committee on 12th March 2018.

Updated information of UP JN and UPPCB could not be compiled due to their late submission to NMCG. CPCB did not provide any compliance status report and preferred to submit to NGT directly. Therefore, NGT vide order dated 3rd April, 2018 directed NMCG to reconcile the present status including the submission made by UP Jal Nigam, UPPCB, CPCB and give its observation on compliance/ if any assistance required from Tribunal before 15th May 2018.

ED Technical NMCG informed Supervisory Committee that the updated information received (till 3rd May 2018) from UP Jal Nigam, UPPCB, CPCB, Irrigation Department-UP Agriculture department-UP, CGWA, and Municipal Corporation Kanpur have been compiled and is being presented before the Committee.

Following discussions were held at the meeting and accordingly decisions were taken thereof:

1. Supervisory Committee expressed its concern of practice of submitting information directly to NGT/ delayed submission against NGT direction/ orders and recommended that this practice should be stopped. Each department should submit their compliance status to the nodal/ Secretariat of the Committee viz. ED (Tech), NMCG for compilation of information and proper filing of report to NGT after due consideration of the Supervisory Committee, unless NGT direction calls for individual submissions.

(Action: All Stakeholders)

2. ED (Tech) informed that 65 drains (against 63 drains) under the jurisdiction of U. P. Urban Development Department, 3 drains under Cantonment Board and 3 drains of U. P. Irrigation Department have been cleaned. Cleaning work is in progress in 1 drain of Cantonment Board and 4 drains of Irrigation Department, UP. For compliance of the judgement, cleaning work in respect of 11 drains remains to be undertaken.

Representatives from Irrigation department informed that the delay in work was due to non-availability of funds. With the onset of new financial year w.e.f. April 2018, funds for cleaning works has been sanctioned by the department and the remaining 11 drains would be cleaned by the end of June 2018.

Supervisory Committee highlighted that the cleaning work is the responsibility of the owners of drains and it appears that cleaning of drains is being taken up as one time exercise whereas cleaning should be carried out and repeated on regular basis. Cleaning of drains pertaining to Irrigation Department is pending since December 2017, since last committed by them in the Committee meeting. It was decided that critical drains should be cleaned at the earliest and all drains before onset of monsoon (by June 2018) without any further delay.

(Action: Irrigation Department-UP)

The Committee decided that a monitoring committee may be constituted comprising of officials from NMCG, UPPCB and Urban Development Department to assess the condition and verify claim of cleaning by respective departments and the report of the monitoring committees along with photographs would be discussed in the subsequent meetings of Supervisory Committee.

(Action: NMCG)

3. It was informed that NMCG had approved 20-MLD CETP for Jajmau after due consultation and acceptance by State of UP, UPPCB and JTETA (SPV). The project was approved by NMCG as per the government policy and direction of Hon'ble NGT on financial sharing pattern of not more than 25% cost of the project as share of the industries (75% NMCG: 25% JTETA) and 100% O&M cost to be borne by industries.
 - (a) The matter was discussed in detail by the Committee members. Prof. Vinod Tare highlighted that the present proposal as sanctioned by NMCG lacks facility for

recycle and reuse of the treated wastewater from CETP by industries, which will help in reducing the consumption of water by tannery sector.

This was appreciated by Chairman of the Committee and Additional Secretary, MoEF. However, it was informed that the constraint arising due to non-availability of sufficient dilution water will make the treated effluent non-compliant to the discharge norm. In addition, if the water is recycled, this may in a way be equivalent as ZLD system, which has high O&M cost and reject management issues. The options for management of reject are cost forbidding, however, a pilot scale 200 KLD - ZLD system is proposed for better understanding of operational and financial feasibility of ZLD system at Jajmau. It was further deliberated that the present proposal is essentially a subset of a ZLD system wherein proposed treatment units towards ZLD can be appended in due course of time when the industry is mature enough to adopt such high end technology. In addition, the industries can increasingly adopt green technologies which result in less production of salt and consumption of water. Therefore, the proposed CETP should be implemented at the earliest without any further delay on techno-economical aspect and to meet the discharge standards as well as other provisions of the NGT judgement dated 13th July 2017.

- (b) Further, the Committee was briefed on the reported financial constraints of the industries to meet the 25% share of the project cost. JTETA (SPV) has committed Rs. 25 crore and have proposed that PETP, which has an estimated cost of Rs. 137 crore will be taken up by individual units at their own cost as per design contained in the DPR prepared by TWIC without comprising on the cumulative influent quality of the CETP. Considering, the above commitment from the SPV, there is still a fund gap of approximately Rs. 80-85 crore.

The constraint of funds on part of SPV share is holding the work of CETP at Jajmau. The industry has reported that they have requested financial help from State of UP, but no confirmation has been received till date.

- (c) Upon deliberation on this critical project which has an intense adverse perception of being major problem of industrial pollution on River Ganga main stem, the Committee felt that it is high time this project should be implemented considering

this is being examined for so many years and urgently requires to take an effective step.

(d) . The Committee members stressed on the following:

- i. To avoid further delay, to achieve the objective of the Namami Ganga mission and to comply with the directions of NGT in this regard, Competent Authority at NMCG may explore alternatives, discuss the matter with State of UP or may directly facilitate the required fund to meet the gap after considering the commitment made by SPV viz. consider providing funding for the Capex cost of Rs. 554 crore minus Rs.137 crore towards PETP minus Rs. 25 crore committed by the SPV on behalf of industry association with approval of Competent Authority.
- ii. SPV and UPPCB should work coherently to maintain and regulate influent quality of CETP
- iii. The SPV of industry association should be restructured as per sanctioned order with adequate Govt. representatives on the board of SPV. Project monitoring work should be carried out by TWIC under overall supervision of the Committee constituted for the purpose by the order of NGT.
- iv. Call of tenders should be expedited within a time target of 40 days.

(e) Committee concurred to the submission made to NGT dated 12th March 2018 regarding the prevailing situation of progress of CETP at Jajmau, resulting in non-compliance to the direction under para 182.6.14 (submission of CETP proposal within 6 weeks and initiation of work) and therefore invoking the provision of direction under para 182.6.15 (shifting of industries). However, the Committee felt that para (c) may be considered subjected to the decisions of Hon'ble NGT.

(Action: NMCG, SPV-Jajmau, UPPCB)

4. NMCG informed that second draft proposal for upgradation of CETP at Unnao and Banthar was reviewed and observations were communicated to UPPCB, and the final proposal was yet to receive from the industry. Dilution based CETP has been proposed but due to non-availability of treated wastewater for dilution, technology is yet to be fixed up.

Chairman of the Committee suggested that NMCG and UPPCB may take appropriate approach and guide the SPV through meeting and discussion in finalizing

the CETP proposal instead of waiting for industries response. The process may be completed in a fixed time frame of 2 months.

(Action: NMCG, UPPCB)

5. It was informed that cleaning and dredging of 72 drains have been completed still solid waste has been observed at many locations in towns including drains, Ghats and along the river bank. ULBs are responsible for proper management of municipal solid waste as per MSWM Rules 2016 (including maintenance of drains). CPCB had issued directions to ULBs in this regard.

The Committee suggested strict anti-littering laws and the integrated solid waste management facilities including segregation, collection, transportation and re-use or recycle of materials may be adopted by the State governments to deal with the issues. After segregation, the wet waste or organic waste can be utilized for production of bio-fuel and the remaining waste can be utilized for road making, construction etc. resulting in small amount of waste ultimately being disposed in landfill site.

Chairman, Supervisory Committee informed that as most of the towns in Uttarakhand are along the rivers therefore the State government has identified land for creation of landfill site to deal with the issue of solid waste. Similarly Secretary, Urban Development Department, UP may also be informed to prepare a time-bound action plan for MSWM in 11 major towns (Garh, Anupshahr, Narora, Kannauj, Farrukhabad, Bithoor, Kanpur, Allahabad, Vindhyachal, Mirzapur and Varanasi) abutting River Ganga with special emphasis to avoid any direct or indirect disposal to R. Ganga or drains joining it.

Representative of Ministry of Housing and Urban Affairs also reported that they have taken up with ULBs through State government and working on an action plan for scientific municipal solid waste management in time-bound manner. They were requested to send the detailed action plan.

Additional Secretary MoEF requested Secretary, MoWR, RD&GR to hold a meeting of all ULBs in this regard to sensitize the issue. CPCB and UPPCB may submit the status report to the Committee on follow up of directions issued under Section 5 of E(P)A to ULB for MSW management.

(Action: MoHUA, Urban Development UP, CPCB, UPPCB)

6. Senior Joint Commissioner MoWR, RD&GR informed that the report of Committee constituted for determination of e-flow and floodplain is in finalization stage and the Committee has suggested minimum e-flows for monsoon and non-monsoon seasons for stretch from Haridwar to Unnao. The reports will be submitted to the Committee within 15 days.

(Action: E-flow and Floodplain Committee)

7. Shri. B. Vinod Babu, CPCB informed that the proposal for remediation of hazardous waste lying at Rannia, Kanpur Dehat was viewed to be undertaken in phases and the estimated cost has been brought down from Rs. 140 crore to Rs. 23.5 crore (excluding EIA). The proposal has been divided into 2 phases - removal of cause of concern (waste and contaminated soils) and remediation of contaminated site. For furtherance of the project, CPCB committed to extend all technical support and knowhow for the project through the Technical Advisory Committee formed for the purpose. However following constraints were informed:

- i. Identification of source of fund
- ii. Land availability and ownership of land
- iii. Identification of executing agency
- iv. Carrying out EIA studies for environmental clearance

The Committee after deliberation and realizing its long term irreversible impact on water resources of the area, accepted the proposal and suggested the following:

- i. Options for source of fund could be State : Center :: 60 : 40
- ii. A request for permission may be made to NGT to utilize the Environmental Compensation fund available with CPCB and UPPCB to meet part of the fund requirements. State of UP to initiate the process with NGT.
- iii. Land availability or ownership identification shall be done by district administration.
- iv. Executing agency may be decided by State government preferably district administration and UPSIDC
- v. EIA may be carried out subsequently

**(Action: Industry Department, UP CPCB, UPSIDC, District Administration,
UPPCB)**

8. NMCG informed that CPCB has submitted compliance report against NGT directions regarding joint inspection of industries generating 100 KLD or above which was to be carried out jointly by CPCB and UPPCB. CPCB informed that 255 units having more than 100 KLD discharge potential were inspected. Out of these, 179 industries are part of the 1109 GPIs identified by CPCB and 76 additional units are having discharge more than 100 KLD located in Segment B. All 255 industries were inspected of which 24 were inspected jointly and the remaining 231 were inspected by CPCB only. The compliance status as reported is tabulated below:

Status	179	76	255	24 (joint inspection)	231
Closed	15	28	43	10	33
Complying	110	39	149	7	142
Non-complying	51	9	60	7	53
Re-inspection	3	0	3	0	3

9. NMCG informed that re-assessment of drains in 6 towns – Kasganj, Meerut, Barielly, Moradabad, Rampur and Kannauj were carried out jointly by NMCG, CPCB, UPPCB and IITs for confirmation of discharge in drains and feasibility of STP and its design capacity.

UPJN has submitted DPR for Moradabad and Kasganj to NMCG for funding. Moradabad DPR is under consideration of NMCG while Kasganj has been returned to UP Jal Nigam with observations.

UP Jal Nigam informed that delay in preparation of DPR for Barielly is due to non-availability of land.

No new STP is proposed for Kannauj as all the drains are tapped and treated under existing projects.

Karula drain is of major concern in Rampur, the project for household connections has been sanctioned by state government, DPR would be prepared after household connections works starts.

For Meerut, Prof A. Kazmi informed that 160 MLD capacity STP was suggested as the existing STP is under-utilized. UPJN has not submitted any proposal to NMCG, even after, repeated persuasion by Project wing of NMCG, as informed by ED (Project), NMCG.

The Committee expressed its concern on the delay in the process by UPJN and suggested that the feasible sewerage infrastructures required for the compliance of the directions under the judgement shall be prepared and project shall be started at the earliest, after tieing of fund from NMCG, if required. UPJN may appraise on present status after consulting the concerned officers, and the same should be reported to NGT as part of compliance.

(Action: UP Jal Nigam)

The Committee concurred to the presented progress status report compiled and submitted by the stakeholders and directed to submit it to NGT before the due date of submission along with the minutes of this meeting.

The meeting ended with thanks to chair.

Annexure-I

List of participants:

1. Shri U. P. Singh, Secretary, MoWR, RD&GR *-in chair-*
2. Shri Rajiv Ranjan Mishra, Director General, NMCG
3. Shri. A. K. Mehta, Additional Secretary, MoEF&CC
4. Dr. A. B. Akolkar, Expert Member
5. Prof. Vinod Tare, IIT Kanpur - Expert Member
6. Shri. D. P. Mathuria, Executive Director – Technical, NMCG & Member Secretary, Supervisory Committee
7. Shri. Hitesh Kumar Makhwana, Executive Director – Projects, NMCG
8. Prof. A. A. Kazmi, IIT Roorkee - Expert Member, Supervisory Committee
9. Shri Sundeep, Director Technical – II, NMCG & Expert Member cum Member Convener, Implementation Committee
10. Shri. J. B. Ravinder, Joint Adviser, Ministry of Urban Development
11. Shri. B. Vinod Babu, Additional Director & Incharge, HWMD, CPCB
12. Shri T. U. Khan, Chief Environment Engineer, UPPCB
13. Shri. Ajay Bansal, Chief Engineer, Department of Irrigation, UP
14. Shri. M. K. Singh, Chief Engineer, Kanpur Nagar Nigam
15. Shri Govind Shukla, Director Finance, SPMG UP
16. Shri G. P. Shukla, C.E, UP Jal Nigam
17. Shri I K Kapila, UP Jal Nigam
18. Shri M K Singh, UP Jal Nigam
19. Shri A. K. Srivastava, CE, UP Jal Nigam
20. Dr. Vinay Kumar Tyagi, Scientist D, IIT Roorkee
21. Shri Bhupesh Kumar, SJC(PP), MoWR, RD&GR
22. Shri Ritesh Khattar, Director FCA-2
23. Shri Devendra Kumar, EE, UP JN Ghaziabad
24. Shri M. K. Biswas, Scientist D, CPCB
25. Shri. Rambabu, Scientist D, CPCB
26. Shri. Anil Kumar, Irrigation Department, U.P
27. Shri Kumar Ajitabh, Project Officer Legal, NMCG
28. Mrs. Ruby Raju, Project Engineer, NMCG
