

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: 25th July, 2018

OFFICE MEMORANDUM

Subject: Minutes of the 7th meeting of Supervisory Committee held on 23.07.2018 at 10.00 AM under the chairmanship of Shri U. P. Singh, Secretary, MoWR, RD&GR

A copy of Minutes of the 7th joint Meeting of Supervisory Committee with the Implementation Committee in the matter O.A. No. 200 of 2014 held at Conference Room, MoL&E on 23.07.2018 at 10.00 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) 25.7.2018

Executive Director-Technical, NMCG
Member Secretary, Supervisory Committee

Encl: As above.

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, 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. 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. Managing Director, UP State Industrial Development Corporation, A-1/4 Lakhanpur Kanpur-208 024
17. Chairman, Central Water Commission, Sewa Bhawan (S), R.K. Puram, New Delhi-110066
18. Chairman, Central Ground Water Authority, West Block-2, Wing-3, Sector-1, R. K. Puram, New Delhi – 110066.
19. Principal Secretary, Krishi Bhawan, Madan Mohan Malviya Marg Lucknow – 226001
20. Chief Executive Officer, Tagore Road, Kanpur Cantonment, Uttar Pradesh (India), PIN – 208004
21. Office of the Principal Chief, Conservator of Forests (PCCF), 17, Rana Pratap Marg, Lucknow, (U.P.), 226001

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 7th Meeting of the Supervisory Committee held at Conference
Room, Ministry of Labour & Employment

The 7th joint meeting of Supervisory Committee and Implementation Committee was held on 23.07.2018 at Conference Room, Ministry of Labour & Employment under the Chairmanship of Secretary, MoWR, RD& GR. The list of participants is at **Annexure-I**.

Shri D. P. Mathuria, Member Convener- Supervisory Committee briefed the progress made on the decisions taken in the 6th joint meeting of the Committee held on 04.05.2018, also highlighted the main issues raised by NGT on the progress report submitted in May 2018 (placed at **Annexure-II**).

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

1. Based on the recommendations of 6th meeting of committee, NMCG constituted a team comprising of officials of NMCG, UP-SPMG, UPPCB and UP-Urban Development Department to verify the status of cleaning works in 86 drains. Committee deliberated on the findings of the monitoring team.

It was informed that screen traps were observed at 7 drains, regular cleaning was undertaken at 62 drains, at few locations solid waste was removed and placed adjacent to the site.

After analyzing the report of team (**placed at Annexure-III**) and photographs of the site, Secretary MoWR, RD&GR raised concern over the cleaned drains as in most of the drains solid waste was visible. Director, Technical-II NMCG informed drains (such as Abu Nallah) were fully covered with solid waste and the condition has improved after the agencies cleaned the drains in compliance to Hon'ble NGT's direction.

Member Convener- SC informed that as per the NGT judgment dated 13th July 2017, the cleaning exercise was to be done once, but may be made a regular exercise. Secretary, MoWR, RD&GR suggested that the respective agency should submit before and after cleaning photographs of the drains in order to have clearer view on the cleaning status.

Shri A. K. Mehta, Additional Secretary, MoEF suggested to install physical barrier at certain stretches where the dumping is prominent to prevent choking of the drains. Director General NMCG also suggested that physical barrier must be installed and empty should be made to measure the flow in these drains regularly as the fluctuations in flow may also help in understanding and addressing the choking issues caused by the solid

wastes. He also informed that directions have already been issued to the municipalities in 118 towns along R. Ganga regarding solid waste management by CPCB, compliance of this direction needs to be taken, and the defaulter (municipalities) should be fined and prosecuted.

Director General NMCG informed that regular drain monitoring activities will be carried out in upcoming months and directions as required will be issued to the responsible agency, exercising the powers notified in the MoWR, RD&GR notification dated 7th October 2016 (Authority order). DG NMCG also informed that most of the drains are being tapped by NMCG in the sanctioned projects, which are at different stages of execution.

Prof. A. K. Gosain suggested that as per the mandate of the ULBs/ respective agency, they should ensure in their jurisdiction that no solid waste/ C&D waste is being dumped into the drains along the river, and should be properly disposed at the authorized dumping ground, industrial effluents/ sewage flowing in the drains should be treated by installing ETP/ CETP and STPs.

Supervisory Committee recommended that the following:

- Drains should be regularly cleaned and maintained by the owners
- The waste/ sludge/ silt removed should be properly disposed off
- Screen traps to be installed at the mouth of the outlet of the drain before it discharges in to the river and as well as other critical locations.
- CPCB/ NMCG/ UPPCB to monitor and issue directions in case of default.

(Action: Urban development department UP – Nagar Nigams, Nagar Palikas; Cantonment Board - Kanpur, Farrukhabad, Meerut; Department of Irrigation UP. Issuing directions – UPPCB, CPCB and NMCG)

2. Irrigation Department UP informed that out of 18 drains in their jurisdiction, cleaning of 5 drains have been completed, work is in progress in 8 drains to ensure flow is not obstructed and 5 drains work will be initiated subsequently and expected to be completed by December 2018. Member Convener- SC informed that in previously, officials from Irrigation department had confirmed cleaning works would be completed by June 2018, and due to delay in allocation of funds, the work has not been completed.

Chief Engineer, Irrigation Department – UP informed that limited funds are made available for regular maintenance of the drains. It was also informed that the length of

the drains in their jurisdiction varies from 15-100 km, therefore require huge amount for cleaning and re-sectioning of the drains.

Secretary, MoWR, RD&GR informed that directions of NGT regarding drain cleaning refers to removal of solid waste/ dredging the drains in reaches (particularly in the reaches of drains passing through cities/ towns) which are affected and affecting its carrying conditions, as it chokes and decongest the drains. Accordingly, works may be undertaken to remediate such conditions based on field assessment of situation.

The Committee recommended the areas where the population density is high and critical locations may be cleaned and maintained by Irrigation department on priority.

(Action: Irrigation Department-UP)

3. Officials from Cantonment Board, Kanpur informed that out of 5 drains, 3 have been cleaned under their jurisdiction. STP is proposed for two drains – Sattichaura and Golaghat drain, and DPR is under-preparation and will be completed by October 2018. Thereafter works will be undertaken after obtaining approvals. For Dabka Nallah, NOC has been granted to UP Jal Nigam for laying 2000 mm sewer line. For Bhagwatdas/ Guftarghat, works of sewage pumping station is under-progress.
4. Shri Sundeep, Director Technical-NMCG informed about the decision taken by Hon'ble NGT in the matter OA 10 of 2015 related to Uttarakhand wherein District Ganga Committees (DGC) chaired by District Magistrate constituted by notification of MoWR, RD&GR dated 7th October 2016 has been engaged for monitoring the compliance status of the directions related to works in their respective districts and progress should be reported to Executive Committee (State) every fortnightly. Accordingly, it was suggested that DGC along the stretch Haridwar to Unnao may also be engaged for similar monitoring works.

Supervisory Committee agreed to the suggestion and recommended that NMCG may request DGC for undertaking monitoring of works in their district.

Prof. A. K. Gosain suggested for better monitoring mechanism at a visible level, information may be displayed through GIS on an online portal and agreed to provide assistance for the said work.

5. Director General, NMCG informed that the project for up-gradation of CETP at Jajmau has been sanctioned by NMCG and the work has been initiated for finalization of Notice Inviting Tender (NIT). NMCG is helping in initiating the tendering process to avoid delays as Secretariat of SPV (Special Purpose Vehicle) as well its Chairman and other Directors of the Board are yet to be identified/ appointed. Also, SPV is yet to start functioning as per proposed amendment its Memorandum and Articles of Association (MAA). Once the SPV with its Secretariat starts functioning as per amendment in MAA, SPV will take over its work as per the mandate under supervision of Monitoring Committee constituted by Government of U.P. in compliance to NGT directions dated 13th July 2017. Therefore, SPV should be made fully operational at the earliest.

Secretary, MoWR, RD&GR and the members of the Committee observed that the NIT needs to be published by the agency owning the CETP viz., the SPV. It was also recommended that the full-time Secretariat comprising of CEO, 15 directors and experts needs to be operational at the earliest to carry forward the implementation process.

Member Convener- SC informed that NMCG has issued the AA&ES for the project and is simultaneously assisting the SPV in providing documentation related to tender invitation (RFP etc).

Further, SMCG-UP informed that the first meeting of Monitoring Committee held on 16.07.2018. JTETA has applied for Environment Clearance from the State for setting up CETP, which would be completed within a period of 3 months i.e. November 2018. Simultaneously, the works related to restructuring of board of directors of SPV, process for identification of PMC has been initiated.

The Committee directed to expedite the process and make the board of SPV functional at the earliest in compliance to the provisions of the Company Act, 2013.

Shri. A. B. Akolkar suggested that as the newly proposed CETP at Jajmau will take 2 or more years for construction, the industries at Jajmau may be directed to closed down and start its operations after the commissioning of the said CETP in order to abate pollution. It was informed by SMCG-UP that the project worth Rs. 17.88 crore has already been sanctioned for renovation and/ or replacement of existing 4 pumping stations in order to collect and treat the tannery waste water in the existing CETP.

It was further informed by Shri Ashish Tiwari, Member Secretary, UPPCB that many initiatives has been taken/ implemented in last one year, which has resulted in reduction of total wastewater generation from the cluster (**Annexure-IV**). The initiatives include formation of teams comprising of officials from administration and other concerned departments for inspection of the tanneries in Jajmau. Based on their findings, UPPCB is taking appropriate action. Industries are being directed to operate at 80% of allotted capacity to reduce the generated effluent compatible with existing Jajmau CETP capacity. All units have installed flow meter and these are being monitored on regular basis. Other corrective measures initiated by UPPCB includes directing erring units to dismantle the excess capacity infrastructure. In compliance of directions of the Board, in Jajmau, 55 drums have been removed, which were found extra than the allotted capacity and 37 drums have been sealed which were in excess of the restricted capacity i.e. 80%. 06 Tannery units at Jajmau Kanpur were found defaulter during the inspection and Environmental Compensation has been imposed on them.

Similarly, a total of 25 drums have been removed from tanneries situated at Banthar and Site-2 Unnao, which were found extra than the allotted capacity and 59 drums have been sealed which are more than the restricted capacity i.e. 50%. 03 Tannery units at Banthar and Site-2 Unnao were found defaulter and have been imposed fine as environmental compensation.

As of today, more than Rs. 3 lakhs has been collected as environmental compensation from defaulting/ non-complying industries/ CETP and notices has been also been issued to non-complying STPs.

Additional Secretary, MoEF suggested that as per the rules notified by MoEF for CETP in 2016, influent quality of CETP needs to be defined by State PCB and this needs to be stated by the Board before upgradation of the PTEP. Member Secretary, UPPCB informed that the standards have been finalized.

Director General, NMCG suggested that detailed technical issues related to CETP may further be discussed with concerned stakeholders separately and suggestion/ may be forwarded to Monitoring Committee for necessary follow-up.

6. Director (Technical), NMCG informed that the proposal of upgradation of CETP for Unnao and Banthar have been evaluated by TEC in its 4th meeting and the proponent was

advised to include the options for ZLD for at least two streams namely soak liquor and combined wastewater respectively. Considering that till date, no committed available treated sewage is assured at both the places, the modified report has been submitted with CAPEX and OPEX for different stages of ZLD as suggested. The revised proposal will be sent for TPA for 2.6 MLD CETP at Unnao and 4.5 MLD CETP for Banthar.

7. Member Convener- SC informed that the report of the e-flow Committee constituted to study the minimum required environmental flow of river Ganga in respect of Phase-I, Segment 'B' of river Ganga (Haridwar to Unnao) was circulated with the members of Supervisory Committee for consideration and few observations were received from Prof. Vinod Tare.

Sh. N.N. Rai, Director, Central Water Commission presented the recommendations made in the report. After deliberations, Supervisory Committee recommended to submit the report towards compliance of its order to Hon'ble NGT.

8. Interim report of the Special Committee, constituted to (i) identify and demarcate the flood plains of river Ganga in Segment 'B' of Phase-I (Haridwar to Unnao) on one in 25 year cycle or appropriately and (ii) identify no development/ construction zone, regulatory zone and the activities that cannot be carried on in the regulatory zone of the flood plain, was presented before the Supervisory Committee by Director, Central Water Commission.

It was brought to the notice of Supervisory Committee that some information regarding embankment details, list of water bodies etc. is awaited from State Government of Uttar Pradesh, which is required for finalization of report.

Supervisory Committee recommended that the interim report may be submitted to Hon'ble NGT. However, flood plains identified/ demarcated by the Special Committee may be further verified on ground by State Government of Uttar Pradesh and final report may be prepared based on the inputs provided by State Government.

Secretary MoWR, RD&GR suggested that the report may be notified by UP Government.

9. Dr. Pankaj Tripathi, Joint Director, Department of Agriculture- UP, gave a presentation regarding action taken by the department in compliance to the directions (**Annexure-V**). It was informed that three schemes are being run in the state to incentivize adoption of efficient water use technology for irrigation/ agriculture with the aim of maximizing irrigation water use efficiency and increasing irrigation capacity in the state. Under these

schemes sprinkler irrigation systems are distributed to farmers on subsidized rates. 80% subsidy is given to general farmers with land holding above 2 ha and 90% subsidy is given to small & marginal farmers with land holding below 2 ha. for distribution of sprinkler irrigation system.

- Scheme for distribution of *Sprinkler Irrigation System in Extra/ Critical/ Semi Critical Blocks* of the 47 districts of the State. 1904 sprinkler irrigation system were distributed to the farmers on subsidized rates during 2017-18, while 9134 sprinkler irrigation system are proposed for distribution during 2018-19.
- Under the *Bundelkhand package*, the scheme of distribution of sprinkler sets in the micro-irrigation system to the farmers; 2862, 2498 and 8380 sprinkler irrigation systems were distributed to the farmers in years 2013-14, 2014-15 and 2017-18 respectively on subsidized rates. During year 2018-19, 2735 sprinkler irrigation system are planned for distribution.
- Under scheme of *National Mission on Oil Seeds and Oil Palms*, 31 sprinkler irrigation system were distributed to the farmers on subsidized rates during 2017-18. Subsidy of Rs. 10,000/- per ha. is given to the farmers for sprinkler sets. During year 2018-19 there is a target to distribute 1000 sprinkler irrigation system to the farmers.
- Under “*Uttar Pradesh Water Restructuring Project Second Phase Ghatak – D*” scheme operational in 19 districts related to three irrigation canal system ie Sharada Sahayak Canal, Lower Ganga Canal & Rohini, Jamnie & Sajanam Dam, new techniques of irrigation “*Learning by doing*” is adopted by the farmers keeping in mind the principle of “*Per Drop, More Crop*” to maximize the use of irrigation water. Field demonstration in kharif and rabi season crops has been successfully organized progressively through 680 primary farmers water school and 720 secondary farmer water schools. In each farmer water school, special demonstration programs are being conducted for the proper use of irrigation water from the stage of crops sowing to harvesting.
- Demonstrations under various schemes are also being organized in each district towards widespread publicity of new technologies received based on the experience received from different research centers and farmers from the state universities, agricultural universities, state government and state government. Farmers are encouraged to use modern techniques by performing comparative displays of

innovative techniques and practices in organizing these demonstrations. Exhibitions have been organized for kharif and rabi crops under various schemes viz., National Food Security Mission, Bringing Green Revolution to Eastern India, National Mission on Oil Seed and Oil Palm, Submissions on Agricultural Extension (Spirit).

Secretary, MoWR, RD&GR stressed that information provided by Agriculture Department may be provided to Hon'ble NGT.

10. Shri. B. Vinod Babu, CPCB informed that the DPR for remediation of Chrome contaminated site at Rannia, Kanpur Dehat will be prepared by 10th August, 2018. Reasonable estimated cost for undertaking phase-I (interim measures) of the project as per the DPR could be arrived after the DPR is finalized. However, the estimated cost of Rs. 23.5 crore pertaining to containment/ removal of waste lying at the site (interim measure) will be more or less same. Role of CPCB was to prepare DPR and submit it to the State Government and MoEF&CC for further perusal and necessary action.

The Committee suggested that the execution of the project shall be undertaken by Department of Industrial Development (DID- GoUP or UPSIDC as per decision of Government of U.P. DID- GoUP shall do necessary follow-up for execution, implementation and finance arrangement for the remediation work as per financial commitment made by State government as well as Central government (MoEF&CC) in 60:40 ratio, as per terms and conditions agreed for preparation of DPR.

(Action: CPCB, MoEF&CC, DID- GoUP, UPSIDC)

11. CGWA vide its letter no. 22-184/CGWA/OA-200/2014 dated 19th July 2018 had submitted a request for approval of its draft notification by Hon'ble NGT to comply with the direction issued under the judgement dated 13th July 2017, wherein necessary provisions to manage ground water extraction in over-exploited and critical zone has been covered.

The Committee after deliberation decided that CGWA may follow appropriate procedure for notification at its own end, as the judgement dated 13th July 2017, does not require any approval of NGT. However, NGT may be informed about compliance of its respective direction in this regard through progress report being submitted. CGWA may be informed to pursue the matter accordingly.

12. UP Jal Nigam presented drain-wise compliance status with regard to projects being proposed/ under-progress, as given at **Annexure - VI**. It was informed that all projects on main stem, except for following 18 drains on tributaries, are under different stages of execution. A summary of interventions being undertaken against each of the 86 drains is enclosed at **Annexure - VII**. The status of 18 drains are as follows:

No.	Drain	River	Status
1	Moradabad (5 drains)	Ramganga	I&D considered but project will be taken up after completion of ongoing STP project.
2	Bulandshahr (2 drains)	Kali	
3	Hapur (2 drains)	Kali	DPR for 50 MLD STP under AMRUT, process of approval at GoUP level.
4	Nohra Drain -Seohara	Kali	No treatment is required, BOD less than 10 mg/l.
5	Kasganj (1 drain)	Kali	Land is not available. Proposal for land purchase is under process of State
6	Meerut (1 drain)	Kali	DPR under consideration
7	Rampur	Ramganga	No treatment required
8	Karula drain - Moradabad	Ramganga	Land yet to be identified
9	Bareilly (3 drains)	Ramganga	DPR is under-preparation
10	Gulaothi	Kali	Land is not available and is yet to be identified

The chairman of the committee directed that with above observations / recommendations, the compliance cum progress report on each para of the direction may be submitted to Hon'ble NGT before the due date of submission

The meeting ended with thanks to chair.

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. A. K Gosain, 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. Shri. Ashish Tiwari, Member Secretary, UPPCB
9. Prof. A. A. Kazmi, IIT Roorkee - Expert Member, Supervisory Committee
10. Shri Sundeep, Director Technical – II, NMCG & Expert Member cum Member Convener, Implementation Committee
11. Shri. J. B. Ravinder, Joint Adviser, Ministry of Urban Development
12. Shri Brijesh Sikka Adviser MoEF&CC
13. Shri. B. Vinod Babu, Additional Director & Incharge, HWMD, CPCB
14. Shri A. K. Srivastav, Chief Engineer - Ganga, UP Jal Nigam
15. Shri T. U. Khan, Chief Environment Engineer, UPPCB
16. Shri. T. C. Sharma, Chief Engineer, Department of Irrigation, UP
17. Shri. R .K. Pal, Executive Engineer, Kanpur Nagar Nigam
18. Shri Sarvesh Kumar, Superintending Engineer, UPJN
19. Shri. Nityanand Rai, CWC (Director)
20. Shri Ritesh Khattar, Director FCA-2, CWC
21. Shri M. K. Biswas, Scientist D, CPCB
22. Shri. G. Rambabu, Scientist D, CPCB
23. Shri. Anil Kumar, Irrigation Department, U.P
24. Shri. Devendra Kumar, Executive Engineer, UPJN
25. Shri Sanjay Tewari, NGT UPSIDC, Kanpur
26. Shri Rohit Tiwari, Cantonment Board Kanpur
27. Shri Amit Kumar, Cantonment Board, Kanpur
28. Shri R.K.Choudhary, UDD & SPMG
29. Shri. Praven Kumar, Director Technical-III, NMCG
30. Shri. Dheeraj Singhal, Deputy Director, NMCG
31. Shri Kumar Ajitabh, Project Officer Legal, NMCG
32. Mrs. Ruby Raju, Project Engineer, NMCG
