

**T-12/2017-18/268/NMCG/Vol.II**  
**National Mission for Clean Ganga**  
**Ministry of Water Resources, River Development &**  
**Ganga Rejuvenation**

1<sup>st</sup> Floor,  
Major Dhyan Chand National Stadium  
India Gate, New Delhi-110002  
Dated: 8<sup>th</sup> April, 2019

**OFFICE MEMORANDUM**

**Subject: Minutes of the meeting held on 12.03.2019 at 11.00 AM under the Chairmanship of Chairperson, Monitoring Committee**

A copy of Minutes of the Meeting held on 12.03.2019 at 11:00 AM under the Chairmanship of Justice Arun Tandon, Chairperson, Monitoring Committee in Conference Room-NMCG, regarding the progress made in compliance to the NGT judgement dated 13<sup>th</sup> July 2017, is forwarded herewith for information/ necessary action.

This issues with the concurrence of Chairman, Monitoring Committee.



(R.M. Bhardwaj)

Consultant- Industrial Pollution NMCG

To:

1. Principal Secretary, Urban Development Department, 824, Babu Bhawan Lucknow, Uttar Pradesh – 226001
2. Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032
3. Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC – 12V, Vibhuti Khand, Gomti Nagar, Lucknow – 226 010
4. Managing Director, Uttar Pradesh Jal Nigam, 6, Rana Pratap Marg, Lucknow – 226001, Uttar Pradesh
5. Project Director, State Mission for Clean Ganga, 834, Babu Bhawan Sachivalya, Lucknow, - 226001

Copy for kind information:

1. PS to Director General, NMCG
2. Chairperson, Monitoring Committee (Ganga)
3. Member, Monitoring Committee (Ganga)
4. PS to ED (Technical/ Project/Finance/Admin), NMCG
5. Director (T-II, T-III) NMCG
6. Shri Rajat Gupta, Solid Waste Management Specialist, NMCG

## **Minutes of Meeting held on 12<sup>th</sup> March 2019 at 11:00 AM in Conference Room, NMCG**

A meeting of the Monitoring Committee (Ganga) of NGT in the matter OA No. 200/2014, with the officials of NMCG, CPCB, UPPCB, UP Jal Nigam and UP SMCG was held on 12.03.2019 at Conference Room, NMCG under the Chairmanship of Justice Arun Tandon, Chairperson, Monitoring Committee. The list of participants is at **Annexure-I**.

Following discussions were held in the meeting:

### **A. Status of 86 Drains flowing into river Ganga in Phase-1 B (Haridwar to Unnao).**

Committee reviewed the status of drains as provided by CPCB and attached with the Minutes (**Annexure-II**).

#### **I. Status of Drains falling into River Ganga:**

1. The following six drains have been shown as tapped and all of them are from Kanpur.

| Status of flow              | Tapped     |
|-----------------------------|------------|
| <b>Row Labels</b>           | Before Tap |
| <b>Kanpur</b>               | MLD        |
| 18. Jail drain              | 24.59      |
| 22. Dabka Nalla-1 (Kachha)  | 2.77       |
| 23. Dabka Nalla-2 (Pakka)   | 0.84       |
| 24. Dabka Nalla-3 into Pond | -          |
| 26. Budhiyaghat Drain       | 0.79       |
| 28. Airforce Nala           | 0.22       |
| <b>Grand Total</b>          | 29.21      |

Committee observed that during its recent visit to Kanpur all drains falling into the river Ganga were tapped with the following exceptions-Sattichaura, Guptar Ghat and Golaghat drains are not tapped while Rani Ghat, Sheetla Bazar and Dabka Nala are partly tapped and have overflow. In Bijnore Hemraj Drain is partly tapped

but its water is not reaching the STP since most of the water is overflowing into ponds on its way. Committee informed NMCG that there is a proposal to link the ponds in such a way that the water will flow into the drain and reach the STP for treatment. The proposal should be looked into so that waste water is treated and reused and STP capacity is also utilised optimally. As of now the new STP at Bijnore is working at 10% of its capacity.

In view of the divergence in the report and the actual situation on ground, the status of drains with discharge and pollution load need to be updated to convey an accurate picture.

2. Of the remaining drains two are reported as standing and one is not measurable and two drains (Choiya of Bijnore and Loni from Unnao) don't reach up to the river. Committee informed that the inspection of both these locations suggest that the drains have reduced

| Status of flow     | Standing |
|--------------------|----------|
| <b>Row Labels</b>  |          |
| <b>Gajrola</b>     |          |
| 3. Bagad River     |          |
| <b>Garh</b>        |          |
| 5. Fuldhera Drain  |          |
| <b>Grand Total</b> |          |

discharge due to Kumbh related closure of Industries in their catchment and as such it would be pertinent to evaluate these drains after the industries re-start in April.

Member - Monitoring Committee raised concern over the partial tapping status of

Sheetla bazar drain in Kanpur observed during site visit. The ponding site is next to the river and the untreated water will percolate into the main stream in no time.

Executive Director-Technical NMCG informed that the said drain will be fully tapped with the completion of works sanctioned by NMCG under the project ‘Sewerage works in Sewerage District-I’, which is expected to be completed by July 2020. Further, after completion of the projects, these drains will carry only storm water discharge.

The remaining drains continue to flow directly into the river carrying the waste water. An observation on the volume and pollution load is not arrived at and instead NMCG as nodal agency is directed to obtain the updated status and make the requisite computations.

## II. Status of Drains falling into River Rāmgangā:

| Status of Flow                                 |
|--|
| <b>Row Labels</b>                              |
| <b>Bareilly</b>                                |
| 22. Devraniya Drain                            |
| 23. Chawari (Chaubari) Drain                   |
| 24. Nakatiya Drain                             |
| <b>Moradabad</b>                               |
| 10. TDI City Drain                             |
| 11. Chakkar Ki Milak (Mukarampur)              |
| 12. Jigar Colony                               |
| 13. Katghar Railway Station Drain              |
| 14. Barbalan Drain                             |
| 15. Kudaghar Drain                             |
| 16. Jama Masjid Left Drain                     |
| 17. Jama Masjid Right Drain                    |
| 18. Jhabbu Ka Nala                             |
| 20. Daheria/Dateria Drain                      |
| 21. Prabhat Nagar drain (near Chandausi Road)  |
| 3. Moradabad drain (Karula Drain)              |
| 4. Nawabpura Drain1                            |
| 5. Nawabpura Drain2                            |
| 7. Vivekanand Hospital Drain (Right)           |
| 8. MIT Drain                                   |
| 9. Moksh Dham Drain                            |
| <b>Rampur</b>                                  |
| 2. Rampur Drain                                |
| <b>Seohara, Bijnor</b>                         |
| 1. Pungsi Drain into Chote Ganga into Ramganga |
| <b>Grand Total</b>                             |

The drains falling into River Ramganga in this phase carry 933 MLD of discharge and 51 TPD of pollution load approx. The drains are not tapped and as of now there is no work in progress to contain the discharge. The drains shown in Bareilly are almost rivers and do not have very high BOD. But the drains in Moradabad and Rampur are extremely polluted. Committee apprised that participants that the visit to the cities of Moradabad and Rampur revealed the urgency of interventions for the stated drains. The river almost dies in this

stretch and is loaded with pollution that it can't carry.

Committee also apprised the members that the STP at Rampur (three in number 14 MLD, 15 MLD and 5 MLD) remain grossly unutilized while the drain from the same city continues to pollute the river. Committee wanted to understand what steps have been taken by NMCG as Nodal Agency to remedy the state of affairs that continue in the same state since 4-5 years.

Executive Director-Technical NMCG informed that in zone- I, 58 MLD STP at Moradabad has been commissioned and tapping of 14 drains is in progress. Further, for Zone-II, project for a new STP of 25 MLD capacity has been sanctioned by NMCG, including tapping and diversion of 5 drains to this STP. It was also informed that for establishment of STP for Karula Drain, land has not yet been identified.

Committee observed that upon site visit to Moradabad, same situation is found where the STP capacity remains unutilized while the drain has not been intercepted and treated. The representative from UP/SMCG wasn't aware of any proposal for taking remedial steps in these cities.

Member - Monitoring Committee informed that Chhoiya drain (Ganga) was observed to be dry, but UPPCB and CPCB needs to monitor the drain for compliance as often colored discharge has been observed. It was also informed that Bagad and Fuldhara drain mostly carry industrial discharge, therefore these drains and the industries located in the catchment area require strict vigilance by the Board.

Member Secretary-Uttar Pradesh Pollution Control Board (UPPCB), informed that these drains are regularly monitored by the Board.

ED/Technical, NMCG informed that the STP have not been funded by it and further that NMCG hasn't been providing funds for Sewage network. It has been providing funds for I&D works and for STP.

Director-Technical-III NMCG informed that AMRUT have sanctioned project for sewerage network and 30 MLD STP for Hapur city.

Official from UP Jal Nigam informed that land is not yet made available by local authority for establishment of STP for Gulaothi drain.

### III. Status of Drains falling into River Kali:

|  |  |
|--|--|
| <b>Bulandshahar</b><br>10. Maman Road Nalla (Bulandshahar 1)<br>11. Aadil Nala<br>12. Chandbhari Road Nala (Bulandshahar 2)<br>13. Cheel ghat<br>14. Nahsal ghat<br>16. Kasai Bada<br>17. Faisalabad (Bridge Dhameda into)<br>19. Devipura<br>21. Behind chamunda mandir<br><b>Gulaothi</b><br>9. Gulaothi Drain | <b>Hapur</b><br>6. Hapur Drain<br>7. Hapur Drain-1 (City drain)<br><b>Kannauj</b><br>24. Patta Nala<br>25. Tammi house to Sadkapur Village (Tammi nalla)<br><b>Kasganja</b><br>23. Kasganj Drain<br><b>Mawana and Meerut</b><br>5. Chhoiya Drain<br><b>Meerut</b><br>2. AbuNallah-1<br>3. AbuNallah-2<br>4. Slaughter House Drain or Odean Nallah<br><b>Modinagar and Meerut</b><br>8. Kadarabad Drain |
|--|--|

The drains falling into River Kali East have rendered the river dead except that river came back to life during the recent Kumbh. The river faces pollution of 953 MLD waste water with 230 TPD of pollution load. None of the drains are contained or diverted and as per NMCG and SMCG there is no plan for taking remedial steps as of now.

It was informed that the drains of Bulandshahr namely Maman Road Nallah, Aadil Nallah, Chandbari Road; Cheel Ghat; Nahsal Ghat; Adil Nagar-2; Kasaibada; Faisalabad Road, Behind Shanidev Mandir; Devipura; Bridge Dhameda Road and behind Chamunda Mandir are to be tapped under ongoing sewerage project with 40 MLD STP sanctioned under AMRUT scheme. Committee observed that the area where sewage network is contemplated is extremely congested and the on ground feasibility of achieving such network should be adequately certified by NMCG. Further, the reported discharge of these drains proposed to be treated by 40 MLD STP is far higher as per CPCB and Joint Inspection Committee Reports. NMCG and State Agencies must be very clear on what capacity of STP is required to ensure that the waste water actually gets treated.

### IV. Status of Drains falling into River Pandu, tributary of River Ganga:

The drains falling into the river are located in Pankhi, District Kanpur. The volume of discharge is significant and all stakeholders are not in agreement. Director, NMCG

| Row Labels                          | Sum of Flow in MLD |
|-------------------------------------|--------------------|
| <b>Kanpur</b>                       | <b>261.58</b>      |
| 1. Panki Thermal Power Plant, Drain | 27.12              |
| 2. ICI Drain-I                      | 17.67              |
| 3. Ganda Nalla, Kanpur              | 113.23             |
| 4. COD Nalla, Panki, Kanpur         | 60.89              |
| 5. Halwa Khanda Nalla, Kanpur       | 42.67              |

informed that there is a plan for 30 MLD STP at Pankhi. The work has been awarded to SPCL Company.

Committee observes that the volume of discharge is far higher. Further that during its visit to Kanpur, the Committee learnt that the Pankhi Thermal Power Station and the catchment area has committed discharge of 15-16 MLD that will be brought to the STP. Given the current information, it is not clear as to how the discharge will get managed by a 30 MLD plant.

Chairman of the committee observed that the drains falling into the rivers remain far from contained and treated except at Kanpur. The NGT order provided for specific measures and timelines for tapping and treating the waste water that was being directly discharged into the river. NGT has clearly ordered that no untreated waste water shall be allowed to be discharged into the river. The order hasn't been complied with and as such NMCG and its other stakeholders must submit a detailed plan along with time lines before the NGT and seek specific time extension.

Chairman also wanted to know what interim steps are being taken to ensure an effective measure to treat the waste water till all physical infrastructure is put into position and the same is likely to take very long if one goes by the current pace of progress made in the State of UP.

ED/Technical, NMCG informed that alternative methodologies have been used to treat waste water during the period of Kumbh so as to ensure that no untreated waste water enters into the river. He also informed that the usefulness of these steps are under review and NMCG plans to take up the successful methods for treatment of waste water as interim measure.

Chairman observed that Geo-bags have been left behind on the river bank itself by the vendor and the entire organic waste filled bag will pollute the river if the same is not removed. He emphasized that the vendor must be made to remove and safely dispose of the organic waste removed from the water.

Committee observed that these are identified as priority drains as per the Hon'ble NGT order. Committee expressed firm view that the remediation of waste water flowing into the river through the identified priority drains is still far from achieving the compliance to NGT Order. It also summed up its directions as under:

1. Infrastructure created must be in tandem with the waste water treatment and the current situation of complete dichotomy between waste water conveyance and treatment apparatus must be corrected immediately. Whatever be the source of funds for making the infrastructure, it must get utilized in a systematic method and for the purpose assigned. NMCG has the objective of maintaining Ganga clean and

as such has been made the nodal Agency for responding to NGT as well. Committee expects NMCG to respond to the situation, rectify it and achieve the target of no untreated waste water discharge into the river.

2. NMCG must submit its detailed plan with timelines for complete interception and treatment of the priority drains which hasn't been done for almost two years after the NGT Order.
3. NMCG shall also submit a detailed action plan on what is being done to contain the pollution of surface and ground water as a result of waste water flowing in open drains and falling into water bodies and also finding its way into agriculture fields as well as ground water.
4. UPPCB and CPCB must submit the action taken in view of the NGT Order against the agencies responsible for continued non-compliance resulting into environment pollution of water soil and even air.
5. NMCG shall compile all the data/information provided and reconcile the differences in information so that an actual status based on facts is placed before NGT.

**[Action: NMCG, UPPCB, UP Pey Jal Nigam, Urban Development, UP]**

**B. Status of Liquid Waste from Tannery Cluster in Kanpur and Unnao.**

Chairperson - Monitoring Committee raised concern over the dilution of tannery effluent waste with the domestic waste in sewer lines of Kanpur due to unrecognized illegal tanneries which were being operated in Jajmau, Kanpur.

Member – Implementation Committee informed that NMCG has awarded work for establishment of new 20 MLD dilution based CETP for Jajmau area, which is expected to be completed in 24 months. The project have component for dedicated collection and conveyance system (pipelines) for directly carrying industrial effluent from the tannery cluster to the proposed CETP. It was also informed that the capacity of the proposed 20 MLD CETP was finalized after due consideration that 2 MLD inseparable waste including domestic and industrial will be reaching the CETP for treatment.

Member Secretary, Uttar Pradesh Pollution Control Board (UPPCB), informed that all the tanneries operational in Jajmau are identified and recognized units including the small scale ones, and no illegal unit is operational. UPPCB agreed to provide details of all units operational in Kanpur along with the updated list of tanners who have become members of the proposed CETP.

Chairman- Monitoring Committee directed NMCG to submit a detailed date-wise time schedule for completion of the projects as stated above so that its progress may be monitored by the Monitoring Committee. The Implementation Committee must inform in writing as to how leather waste generated in various residential houses situated in the lanes of Sheetla Bazar and adjoining residential cum industrial tannery cluster sewerage which actually reaches the Sheetla Bazar Pumping Station would be segregated so as ensure that it does not reach Jajmau STP.

Chairman further enquired about the immediate measures that are proposed to be taken by the NMCG and U.P. Pollution Control Board to ensure that the tannery waste, both liquid and solid does not enter river Ganga till the commissioning of the 20 MLD new CETP.

A response in writing be submitted by NMCG on the issues raised on Jajmau tannery cluster waste water management before the next date of meeting.

Chairperson-Monitoring Committee highlighted that as per the NGT judgment the charges for collection and transportation of the remnant chromium effluent or the entire spent chrome liquor was to be fixed by UP Jal Nigam, and the same has not been complied with, and directed UP Jal Nigam to initiate the process at their end.

Chairperson-Monitoring Committee wanted to know the compliance status on the provision for adopting cleaner technology as stipulated in Judgment order dated 13 Jul 2017 with regard to the tanneries operational in order to reduce pollution load at source of generation.

Executive Director-Technical NMCG informed that through engagement of Solidairdiad, 40 tanneries have adopt cleaner technologies in their manufacturing process, which are at different stage of its implementation, and will help in reduction of water utilization by these units. It was also informed that Central Ground Water Authority (CGWA) is in process of issuing policy for extraction of groundwater, which will also include provision for cess collection and continuous monitoring.

Details of tanneries who have adopted the said technique and the policy determined for extraction of ground water be reported in the next meeting.

Chairperson - Monitoring Committee raised concern over the establishment of new CETP at Jajmau, with regard to the time defined in the NGT judgment dated 13.07.2017. Further, recommended that concerned authority may file application in NGT for relaxation in time.

Executive Director-Technical NMCG informed that at present, work has been awarded for establishment of CETP at Jajmau. The delay in work attributes to the difficulties arising due to management of large number of tannery members and in reaching an agreement towards the share of contribution from the association. It was also informed that out of 400 units, only 300+ units have become members and only 116 members have made financial contribution. This is imposing challenge in taking the work further as in absence of financial and ownership commitment, any asset created will become redundant and invested public money will fail to achieve its objective. Industry association should be proactive, which NMCG is not finding on ground.

On enquiry by Chairman -MC, what ways and means are under consideration to overcome such bottleneck, Member –Implementation Committee, requested following support from Monitoring Committee, on which all stakeholder agreed to provide necessary help and perform their mandated functions.

1. NMCG to call for list of members from JTETA and also the list of industries which have made financial contribution as per the decision of JTETA towards their membership fee and 1<sup>st</sup> installment for CETP contribution.
2. The list will be shared with UPPCB for reconciliation and for identification of units which are yet to become member and make their financial contribution to JTETA.
3. UPPCB to issue closure notice to such identified units for non-compliance to the NGT judgment, provided the identified industries become member of JTETA within 7 days of serving of notice and make necessary financial contribution.
4. JTETA shall reorganize its board of directors as per the notification for Govt of UP.
5. The contract agreement with the contractor shall be signed by the end of March 2019, so that the work on ground gets started from April 2019, with completion target date of September 2020.

Monitoring Committee accepted the above submission and asked to all stakeholders to consider it as a direction for compliance. It was also directed that NMCG should also submit a progress status report on CETP-Jajmau to the committee delineating the tentative timeline and responsibilities of identified stakeholders for information of Hon'ble NGT. **[Action: NMCG, UPPCB, JTETA]**

**C. Status of mixed waste water in Farrukhabad:**

Member - Monitoring Committee informed that all five drains of Farrukhabad namely Hathikhana Nallah, Bargadiyaghat Nallah, Cantt Nallah, Bhairon Ghat and Deenapur Drain were observed to be discharging into River Ganga and highlighted the directions of NGT, wherein a CETP was to be constructed at Farrukhabad.

Executive Director-Technical NMCG informed that these drains will be tapped and diverted to 3 STPs having total capacity of 35 MLD under the project sanctioned by NMCG. It was also informed that few drains are being treated through bio-remediation technology, until the completion of the STP project for bridging the gap.

Member - Implementation Committee informed that a new industrial park is proposed for Farrukhabad, DPR for 1.5 MLD ZLD based CETP was reviewed by NMCG and the same has been finalized, but due to non-availability of land, the DPR have not yet been approved. Monitoring Committee, based on its site visit and inspection, informed that as of now the plan for new industrial park is still in infancy and SPV has been formed and land has been allotted. However, NMCG and State of UP must evaluate the feasibility of shifting the small scale house hold industry of Textile and Zardozi work to an Industrial cluster. Further, till such a project actual becomes a reality, the industrial waste will continue to reach the drains and then the STP proposed to be constructed. Committee specifically wanted to know if the currently proposed 35 MLD STP takes into account the inlet water parameter based on actual waste water that is mixed in nature.

NMCG shall furnish a response in writing and along with relevant part of the DPR that forms the project allotment process.

**[Action: NMCG]**

**D. Status of STP in Phase-I B**

UPPCB must submit a detail report district wise of STPs and CETPs who are not complying with the discharge standard and the fine imposed and collected in that respect by the next meeting.

Meanwhile, MC was informed that the Judgment dt. 13 Jul 2017, does not stipulated any norms for the proposed or new STP, except which were under-construction till the date of Judgment, unlike in Segment A, where the norms to be complied were prescribed in the Judgment.

Executive Director-Technical NMCG informed that the 24 MLD STP has been commissioned in Bijnore by the State Government under the AMRUT scheme and the issue of under-utilization of STP is due to non-implementation of house sewer connections in the city. It was also informed that NMCG sanctions projects for I&D with STP, while the responsibility of ensuring sewer network and house sewer connections lies with the concerned departments of the State.

UP Jal Nigam official informed that the proposal for house-sewer connections for Bijnore have not been sanctioned by the State Government.

Chairperson-Monitoring Committee raised concern over the STPs constructed and commissioned by UP Jal Nigam, which when transferred to Nagar Nigams are poorly maintained due to lack of funds and manpower, and therefore recommended funds should be provided for 25 years operation and maintenance period.

Executive Director-Technical NMCG informed that NMCG under Hybrid Annuity Model also provides funds for 15 years O&M period and the funds are released based on performance of the plant.

Director-Technical-III NMCG informed that NMCG did not receive any proposal for I&D for Rampur and already 3 STPs sanctioned under AMRUT scheme are existing in Rampur. The STPs are under-utilized due to non-completion of the house sewer connections project.

Chairperson - Monitoring Committee underlined the serious observation of the committee during its inspections on underutilization and under performance of the STPs' made and operated. The devolution of responsibilities in cleaning Ganga shall not be a reason for failure of Clean Ganga Mission and NMCG as the nodal and technical agency shall co-ordinate and assist the State Government in ensuring that the facilities created serve the rightful purpose. He suggested NMCG to pursue the matter with the State Government in respect of non-utilization and underperformance of the STP infrastructure already created. Chairman also directed that firm time lines for the completion of the above stated projects shall also be submitted for monitoring by the committee.

Chairman-Monitoring Committee also directed NMCG to submit detailed plan with timelines updating the status of STP infrastructure as furnished in the filings before NGT and as presented during the meeting today.

**[Action: NMCG, UP Pey Jal Nigam, Urban Development Department, UP]**

**E. Status of Compliance to Orders in respect of Ghats and river banks**

Chairperson-Monitoring Committee highlighted that as per the NGT judgment the State Government had to formulate guidelines and notify the same in relation to strictly regulating the activities- religious or otherwise, which could be permitted on the Ghats and or near the floodplains of river Ganga and its tributaries in accordance with law. It was informed that the direction has not been complied with and recommended that NMCG being the nodal agency may coordinate with the State.

NMCG shall file a detailed status report exhibiting compliance to the said orders of the NGT for review by the Monitoring Committee.

**[Action: NMCG]**

**F. Compliance to recycle and re-use of treated water.**

Chairperson-Monitoring Committee enquired about the status of re-cycle and re-utilization of treated water by all stakeholders and more specifically the industries.

Additional Director CPCB informed that CPCB has issued directions in this regard to all the units in Jajmau, Unnao and Banthar.

Chairman-Monitoring Committee directed that a statement of volume of waste water treated and volume of treated water being re-used along with the usage shall be provided to understand the extent of compliance achieved in this regard. The order is applicable to all waste water treated and not only the tannery belt.

**[Action: NMCG, UP Pey Jal Nigam, Urban Development Department, UP, UPPCB]**

**G. Fecal Coliform levels in the river and in the drain water:**

Chairperson-Monitoring Committee raised concern over the high levels of fecal coliform reported in the river quality downstream of Haridwar and about the absence of any effluent discharge standard notified for STP with regard to Fecal coliform. It was also informed that if the STPs do not meet the desired FC levels as notified in the judgment, the same may be clarified with justification to NGT.

Additional Director CPCB informed that at present no standard for STP discharge prevails which is notified by MoEF & CC especially with regard to Fecal Coliform. General MINAS standard will be applicable.

Member-Implementation Committee informed that MoEF&CC has notified a STP discharge norms, which has been stayed by Hon'ble NGT. In absence of any notified

standard, the MINAS (General Standard) is applicable, wherein standard for fecal coliform is not prescribed.

ED (Technical), NMCG informed that Faecal coliform criteria for mass outdoor bathing as prescribed by MOEF & CC is more suitable for the stretch u/s Haridwar considering the climatic and environmental conditions. D/s Haridwar to Ganga Sagar, the environmental conditions will outweigh the impact of any anthropogenic interventions. The extra efforts and resources put forth to meet the unachievable target of FC norms in these stretch, with limited monitoring data available, will be wastage of public resources and lead to failure in achieving the unachievable target. It was informed that a brainstorming session was held on the subject at NMCG, with experts and representatives from Regulators, Academics, AIIMS, NEERI, TERI, CSE and the above submission is drawn from the discussion held during the workshop.

Monitoring committee requested to provide a note in this regard for information to Hon'ble NGT and also asked for any synopsis (MoM) of the workshop. It was also agreed that NMCG, if requires may organize more such consultation and brainstorming session with stakeholders for more input to Hon'ble NGT. NMCG must submit a note on the extent of permissible limit of coliform in the discharge of the STP. Further and more specifically, the Monitoring Committee wanted to understand what shall be the parameter, if not fecal coliforms, to evaluate the suitability of water for bathing and drinking purpose. NMCG shall record the technical status paper for consideration on the issue of Fecal Coliform standards for water quality. **[Action: NMCG]**

#### H. **Status of mining on the river bed:**

Chairperson-Monitoring Committee directed that information regarding mining activities being carried out legally or illegally, mining permitted and sand replenished in the stretch may also be provided with the compliance status.

Member Secretary-UPPCB informed that for mining up to 5 hectare sanction is provided by State level SIEAA, for more than 5 hectare recommendation of Advisory Committee (TEC) of MoEF&CC is required.

Member Secretary, UPPCB must inform the outcome of the recommendations made to the Advisory Committee on or before the next meeting. It must also provide a report on how the illegal mining is being curbed in compliance to the NGT order.

**[Action: NMCG (to coordinate), UPPCB, Irrigation / Mining Department, UP]**

**I. Compliance of order on Bio-diversity Park**

Chairperson-Monitoring Committee enquired about the status of compliance against the direction of NGT for creation of green belt and bio-diversity parks.

Member Secretary-UPPCB informed that UP Government has proposed development of 26 wetlands based on the guidelines of MoEF &CC and RFP for the same is being prepared by the Forest Department UP. It was also informed that proposal for development of Ganga Vatika at 3 locations along the River Ganga is being conceptualized by UP Government.

Official from UP SMCG informed that Forest Department UP has proposed development of a biodiversity park at Hapur.

**[Action: NMCG (to coordinate), UP/Forest Department, Urban Development Department/Uttar Pradesh, State Biodiversity Board, Uttar Pradesh]**

**J. Status Report on identification and protection of Flood Plains and Zones**

Executive Director-Technical NMCG informed that the interim report of the Special Committee constituted for identification and demarcation of the floodplain zone for segment B is yet to be finalized.

Chairman directed that the factual situation with firm timelines for compliance to the order must be submitted within two weeks.

**[Action: NMCG]**

**K. Status of compliance to order on maintaining E-Flow in River Ganga**

ED-Technical, NMCG also informed that e-flow has been notified for the segment B Phase-I of R.Ganga by MoWR, RD&GR based on the recommendations of the E-flow Committee. Monitoring of the flow in the stretch is being carried out by CWC. It was informed that the updated status in these regards will be intimated to the Monitoring Committee.

Chairman-Monitoring Committee directed that a detailed report on the mechanism for maintaining the E-Flow with specific responsibilities of stake holders and current state of achievement of E-Flow shall be submitted before the next meeting.

**[Action: NMCG]**

**L. Specific Issues arising out of discussions**

1. Chairperson - Monitoring Committee suggested to seek relief from the Tribunal for the projects which are exceeding the time-frame as indicated in the NGT judgment dated 13.07.2017.

**[Action: NMCG to co-ordinate with Respective Stakeholders to ensure a single filing]**

2. Member Monitoring Committee observed that the maintenance of the existing infrastructure required trained manpower and as such there is a serious need for training the staff that is directly deployed at the STPs' and its related structures. Executive Director-Technical NMCG informed that NMCG has sanctioned funds for strengthening of manpower and laboratories of all 5 State Pollution Control Boards.

Member Secretary-UPPCB informed that training programs are also being carried out by the Boards, as well as institutions such as NEERI, NIH Roorkee etc.

**[Action: NMCG, UP Pey Jal Nigam, Urban Development Department, UP]**

3. Chairperson - Monitoring Committee recommended that UPPCB may issue directions to institutions such as Cantonment Board in Kanpur, Railways, to install their own STP.

Member Secretary-UPPCB informed that directions under Section 5 have already been issued to Cantonment Boards.

Chairman-Monitoring Committee directed that similar Notices should be issued to other named agencies, Cantonment Boards in the Ganga Bank Towns, Railways, large Institutions, as well.

**[Action: UPPCB]**

4. Member - Implementation Committee informed that work related to up gradation of CETP at Unnao and Banthar is delayed due to non-availability of dilution water in the area (Unnao) and therefore ZLD based CETP has been proposed. Member-Implementation Committee requested Monitoring Committee to convene a joint meeting of Monitoring Committee and Technical Evaluation Committee with the members of associations at Unnao/ Banthar.

It is decided to have the review meeting on 12 April, 2019 at New Delhi itself.

The meeting ended with thanks to the Chair.

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**(TO BE ISSUED BY NMCG)**

## Annexure-I

### List of participants:

1. Justice Arun Tandon, Chairperson-Monitoring Committee – *in chair* -
2. Dr. Anita Roy, Member-Monitoring Committee
3. Shri. D.P.Mathuria, Executive Director-Technical, NMCG
4. Shri. Ashish Tiwari, Member Secretary, UPPCB
5. Shri Sundeep, Member, Implementation Committee of NGT (OA 200/2014)
6. Dr. R.M.Bhardwaj, Consultant Industrial Pollution, NMCG
7. Dr. Pravin Kumar, Director Technical-III, NMCG
8. Shri. T.U.Khan, UPPCB
9. Shri A.K.Vidyarathi, Additional Director, CPCB
10. Dr.S.R.Taigor, Environment Specialist, UP-SMCG
11. Shri. G.S.Srivastava, CE (Ghaziabad), UP Jal Nigam
12. Shri.I.K.Kapila, UP Jal Nigam
13. Shri Devendra Kumar, UP Jal Nigam
14. Shri Keshva Gupta, SE, UP Jal Nigam