

Legal/OA673/2018/NMCG/2019
National Mission for Clean Ganga
Department of Water Resources, River Development
& Ganga Rejuvenation, Ministry of Jal Shakti

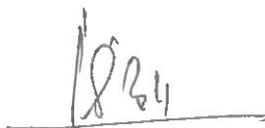
1st Floor,
Major Dhyan Chand National Stadium
India Gate, New Delhi-110002

Dated: 3rd June 2020

OFFICE MEMORANDUM

Subject: Minutes of the 3rd meeting of Central Monitoring Committee in the NGT Matter OA No.673 of 2018 held on 23.06.2020 at 10.30 AM

A copy of Minutes of the 3rd Meeting of Central Monitoring Committee, in the NGT matter O.A. No. 673 of 2018, held through Video Conferencing on 23.06.2020 at 10.30 AM under the Chairmanship of Secretary, Department of Water Resources, RD&GR, Ministry of Jal Shakti is enclosed herewith for information/ necessary action.



(D. P. Mathuria)

Executive Director-Technical, NMCG

Encl: As above.

To,

1. Chief Secretary, Government of Andhra Pradesh, 1st Block, A.P Secretariat Office, Velagapudi – 522503
2. Chief Secretary, Government of Assam, Block- C, 3rd Floor, Assam Sachivalaya, Dispur - 781006, Guwahati
3. Chief Secretary, Government of Bihar, Main Secretariat, Patna – 800015
4. Chief Secretary, Government of Chhattisgarh, Mahanadi Bhawan, Mantralaya, Naya, Raipur – 492002
5. Chief Secretary, Government of Goa, Secretariat, Porvrom, Bardez, Goa – 403521
6. Chief Secretary, Government of Gujarat, 1st Block, 5th Floor, Sachivalaya, Gandhinagar – 382010
7. Chief Secretary, Government of Haryana, 4th Floor, Haryana Civil Secretariat, Sector-1, Chandigarh – 160019
8. Chief Secretary, Government of Himachal Pradesh, H P Secretariat, Shimla –171002
9. Chief Secretary, Government of Jammu & Kashmir, R. No. 2/7, 2nd Floor, Main Building, Civil Secretariat, Jammu -180001
10. Chief Secretary, Government of Jharkhand, 1st Floor, Project Building, Dhurwa, Ranchi- 834004

11. Chief Secretary, Government of Karnataka, Room No. 320, 3rd Floor, Vidhana Soudha, Bengaluru -560001
12. Chief Secretary, Government of Kerala, Secretariat, Thiruvananthapuram -695001
13. Chief Secretary, Government of Madhya Pradesh, MP Mantralaya, Vallabh Bhavan, Bhopal – 462004
14. Chief Secretary, Government of Maharashtra, CS office main Building, Mantralaya, 6th floor, Madame Cama Road, Mumbai – 400032
15. Chief Secretary, Government of Manipur, South Block, Old Secretariat, Imphal – 795001
16. Chief Secretary, Government of Meghalaya, Main Secretariat Building, Room no 316, Shillong – 793001
17. Chief Secretary, Government of Mizoram, New Secretariat Complex, Aizwal – 796001
18. Chief Secretary, Government of Nagaland, Civil Secretariat, Kohima – 797004
19. Chief Secretary, Government of Odisha, General Administration Department, Odisha Secretariat, Bhubaneswar – 751001
20. Chief Secretary, Government of Punjab, Chandigarh – 160001
21. Chief Secretary, Government of Rajasthan, Secretariat, Jaipur – 302005
22. Chief Secretary, Government of Sikkim, New Secretariat, Gangtok – 737101
23. Chief Secretary, Government of Tamil Nadu, Secretariat, Chennai-600009
24. Chief Secretary, Government of Telangana, Block C, 3rd floor, Telangana Secretariat Khairatabad, Hyderabad, Telangana
25. Chief Secretary, Government of Tripura, New Secretariat Complex Secretariat – 799010, Agartala, West Tripura
26. Chief Secretary, Government of Uttar Pradesh, 1st floor, Room No. 110, Lal bahadur Sastri Bhawan, Uttar Pradesh Secretariat, Lucknow – 226001
27. Chief Secretary, Government of Uttarakhand, 4 Subhash Road, Uttarakhand, Secretariat Dehradun – 248001
28. Chief Secretary, Government of West Bengal, Nabanna, 13th Floor, 325, Sarat Chatterjee Road, Mandirtala, Shibpur, Howrah – 711102
29. Administrator, Daman & Diu and Dadra and Nagar Haveli, Secretariat, Moti, Daman -396220
30. Chief Secretary, Govt. of NCT of Delhi, Delhi Secretariat, IP Estate, New Delhi – 110002
31. Chief Secretary, Govt. of Puducherry, Main Building, Chief Secretariat, Puducherry-605001

Copy To:

1. Secretary, Department of Forest, Ecology & Environment, J&K, Room no. 2/33-34, Main Building, Civil Secretariat, J&K, Jammu.
2. Secretary, Department of Environment, Science and Technology Paryavaran Bhawan, Near US Club, Shimla, Himachal Pradesh-171001
3. Principal Secretary, MGSIPA Complex, Sector-26, adjacent Sacred Heart School, Chandigarh, 160019
4. Additional Chief Secretary to Govt. of Haryana, Environment Department of Environment & Climate Change, R.No. 108, 7th Floor, Main Secretariat Sec16, Chandigarh 160017
5. Principal Secretary, Department of Environment, U.P., Room No. 601, Babu Bhawan Secretariat, Vidhan Sabha Marg, Lucknow – 226001.

6. Special Chief Secretary, Department of Environment, Forest, Science & technology, 4th Block, Ground Floor, Room No:268, A.P Secretariat Office, Velagapudi
7. Secretary, Department of Environment and Forest, H-Block, 2nd Floor Janata Bhawan, Dispur, Guwahati 781006, Assam
8. Principal Secretary, Department of Environment, Forest and Climate Change, Van Vibhag Rd, Nehru Nagar, Patliputra Colony, Patna, Bihar 800013
9. Additional Chief Secretary (Forests & Environment), Forests & Environment Department, Block 14, 8 th floor, Sachivalaya, Gandhinagar - 382 010 Gujarat.
10. Principal Secretary, Department of Environment, Room No. S-2/23, Mahanadi bhawan, Mantralaya, Nava Raipur, Atal Nagar, Raipur - 492001
11. Additional Chief Secretary to Government, Forest, Environment and Ecology, Department, Karnataka Government Secretariat, Room No. 447, 4th Floor, Gate no. 2, Multi-storey Building, Bangalore-560001.
12. Principal Secretary, Department of Environment, Room No. 406 4th Floor Annex II, Secretariat, Kerala Thiruvananthapuram, Kerala, PIN- 695001
13. Principal Secretary, Department of Housing and Environment, Government of Madhya Pradesh, Paryavaran Parisar, E- 5, Arera Colony, Bhopal, Madhya Pradesh, 462016
14. Principal Secretary, Environment Department, Maharashtra 15th Floor, New Administrative Building, Madam Cama Road, Mantralaya, Mumbai – 400032
15. Additional Secretary, Forests & Environment Deptt, Secretariat Building, North Range, Forest Colony, Khasi Hills, Shillong, Meghalaya 793001
16. Deputy Conservator of Forest (Headquarters) Environment, Forests & Climate Change Department Tuikhuahtlang, Aizawl Mizoram.
17. Principal Secretary, Department of Environment, Forest & Climate Change, New Secretariat, Kohima, Nagaland Tel.- 0370-2243025
18. Additional Chief Secretary, Department of Forest & Environment, Government of Odisha, Secretariat, Bhubaneswar-751001
19. Principal Secretary, Forest and Environment Department, Rajasthan 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur, Rajasthan 302004
20. Principal Secretary, Chief Project Director (SBFP-JICA), Forests, Environment & Wildlife Management Department, Government of Sikkim
21. Principal Secretary, Environment and Forest Department, Government of Tamil Nadu, Secretariat, Chennai- 600009.
22. Secretary, Department of Science, Technology & Environment, Vigyan Prajukti O Paribesh Bhawan, P.N. Complex, Gorkhabasti, Agartala, West Tripura, PIN-799006
23. Special. Chief Secretary, TSCOST, 4th Floor, Aranya Bhavan, Saifabad, Hyderabad, Telangana State, Pin – 500004
24. Deputy Conservator of Forests, (Territorial Division), Department of Environment & Forest Office of the Deputy Conservator of Forest, Daman, Fort Area, Post Office Moti Daman Daman & Diu (U.T.)
25. Deputy Conservator of Forests, (Territorial Division), Van Bhavan, Dadra and Nagar Haveli
26. Secretary, Department of Environment, Govt. of NCT of Delhi, 6th Floor, Delhi Secretariat, IP Estate, New Delhi 110002

27. Secretary, Environment & Forest, Govt. of Uttarakhand, 4 Subhash Road, Secretariat, Fourth Floor, New Building Dehradun, Pin code-248001
28. Joint Secretary, Department of Science, Technology & Environment, 1st Floor, Pandit Deendayal Upadhyay Bhavan, Behind Pundalik Devasthan, Near Sanjay School, Porvorim, Bardez - Goa
29. Secretary, Environment, Office of Environment, Chief Secretariat, Goubert Avenue, Puducherry 605001
30. Principal Secretary, Department of Environment, 5th Floor, Pranisampad Bhawan, Block LB-II, Salt Lake, Sector III, Bidhannagar, Kolkata – 700 106
31. Additional Chief Secretary Forest, Environment & Climate Change Deptt., Nepal House, Doranda, Ranchi-834002, Jharkhand
32. The Member Secretary, Assam Pollution Control Board, Bamunimaidam, Guwahati – 781021
33. The Member Secretary, Andhra Pradesh Pollution Control Board D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre, Chalamalavari Street, Kasturibaipet, Vijayawada – 520 010
34. The Member Secretary, Bihar State Pollution Control Board, Parivesh Bhawan, Plot No. NS-B/2 Paliputra Industrial Area, Patliputra, Patna (Bihar) - 800 010
35. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19, Atal Nagar Dist- Raipur (C.G.) 492002
36. The Member Secretary, Delhi Pollution Control Committee, Government of N.C.T. Delhi 4th Floor, ISBT Building, Kashmere Gate, Delhi-110006
37. The Member Secretary, Daman, Diu & Dadra Nagar Haveli Pollution Control Committee, Office of the Deputy Conservator of Forests, Fort Area, Court Compound, Moti Daman, Daman – 396220
38. The Member Secretary, Goa State Pollution Control Board, 1st Floor, Dempo Tower, EDC Patto Plaza, Panaji, Goa-403 001
39. The Member Secretary, Gujarat Pollution Control Board Paryavan Bhavan, Sector 10- A, Gandhinagar – 382 043
40. The Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula-134109, Haryana
41. The Member Secretary, Himachal Pradesh Pollution Control Board, Him Parivesh, Phase-III, New Shimla, Himachal Pradesh 171009
42. The Member Secretary, Jammu & Kashmir State Pollution Control Board, Parivesh Bhawan, Forest Complex, Gladni, Narwal, transport Nagar, Jammu, Jammu and Kashmir 180004
43. The Member Secretary, Jammu & Kashmir State Pollution Control Board, Shiekh-ul-Campus, behind Govt. Silk Factory, Raj Bagh, Srinagar (J&K)
44. The Member Secretary, Jharkhand Pollution Control Board, T.A Building, HEC, P.O. Dhurwa, Ranchi – 834004
45. The Member Secretary, Karnataka State Pollution Control Board, Parisara Bhavan, 4th & 5th Floor, # 49, Church St., Bengaluru-560 001
46. The Member Secretary, Kerala State Pollution Control Board, Plamoodu Jn., Pattom Palace P.O. Thiruvananthapuram - 695 004

47. The Member Secretary, Manipur Pollution Control Board, Lamphelpat, Imphal West D.C. Office Complex Imphal- 795004
48. The Member Secretary, Meghalaya Pollution Control Board Arden- Lumpyngngad Shillong: 793014
49. The Member Secretary, Nagaland Pollution Control Board, Signal Point, Dimapur Nagaland – 797112
50. The Member Secretary, Madhya Pradesh Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 462 016, Madhya Pradesh
51. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 2nd – 4th Floor Opp. Cine Planet Cinema, Nr. Sion Circle, Sion (E) Mumbai – 400 022
52. The Member Secretary, Mizoram Pollution Control Board, New Secretariat Complex, Khatla Thlanmual Peng, Khatla, Aizawl, Mizoram: 796001
53. The Member Secretary, Puducherry Pollution Control Committee, Housing Board Complex, Anna Nagar, Puducherry -600 005
54. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala, Punjab 147001
55. The Member Secretary, Odisha Pollution Control Board, A-118, Nilakanta Nagar, Unit – VIII, Bhubaneswar – 751012
56. The Member Secretary, Rajasthan Pollution Control Board, 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur (Rajasthan) - 302 004
57. The Member Secretary, Sikkim State Pollution Control Board, Department of Forest, Environment & Wildlife Management Government of Sikkim, Deorali, Gangtok, - 737102
58. The Member Secretary, Telangana State Pollution Control Board, Paryavaran Bhawan, A-3, I.E. Sanath Nagar, Hyderabad-500 018
59. The Member Secretary, Tripura Pollution Control Board, Vigyan Bhawan, Pandit Nehru Complex, Gorkhabasti, PO: Kunjaban Agartala – 799006
60. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032
61. The Member Secretary, Uttarakhand Environmental Protection & Pollution Control Board, 29/20, Nemi Road, Dehradun, Uttarakhand – 248001
62. The Member Secretary, Uttar Pradesh Pollution Control Board, Building.No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226 010
63. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhavan, 10A, Block-L.A., Sector III, Salt Lake City, Kolkata - 700 106

Copy for kind information:

1. PPS to Secretary, Department of Water Resources, RD&GR, Ministry of Jal Shakti, Shram Shakti Bhavan, Rafi Marg, Sansad Marg Area, New Delhi- 110001
2. PS to Director General, NMCG cum Project Director NRCD
3. Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi- 110032
4. Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032

5. PS to ED (DDG/Project/ Finance/Admin), NMCG
6. Adviser, NRCD
7. Shri S.K. Srivastava, Additional Director, NRCD

Minutes of the 3rd meeting of the Central Monitoring Committee held on 23.06.2020 through Video Conferencing regarding 351 polluted river stretches based on the directions of Hon'ble NGT in the matter OA No. 673 of 2018

The 3rd meeting of the Central Monitoring Committee (CMC) constituted by Hon'ble NGT in the matter OA No. 673 of 2018 was held through Video Conferencing with the States on 23.06.2020 at 10.30 AM in Conference Room, NMCG under the Chairmanship of Secretary, DoWR, RD & GR, Ministry of Jal Shakti. The list of participants of NMCG, NRCD and CPCB present at the meeting is at *Annexure-I*.

II. Secretary, DoWR, RD & GR, Ministry of Jal Shakti, welcomed all the participants and remarked that following compliances have been undertaken based on the NGT's order dated 06.12.2019 in the matter OA No. 673 of 2018:

- Two meetings of CMC were held on 08.01.2020 and 19.02.2020. Due to pandemic, meetings of the Committee could not be convened for the months of March-May.
- Five States of Assam, Gujarat, Madhya Pradesh, Maharashtra and Telangana were visited by a team of officials of NMCG, NRCD and CPCB in February, 2020. Based on the visits, DO letters were sent to the Chief Secretaries of these States along with the site visit report and recommendations of the Team.
- Similar exercise was carried out in March, 2020 and the teams had visited seven States viz., Haryana, Karnataka, Kerala, Meghalaya, Nagaland, Punjab and Tamil Nadu. Further, visits to remaining States shall be convened after the situation becomes favourable.
- First Quarterly Report of the Committee was submitted in NGT on 19.06.2020.

It was also informed that NGT hearing in the matter was held on 22.06.2020, wherein Hon'ble Chairman, NGT highlighted that environmental laws are being violated by way of discharge of untreated waste water into rivers. Timelines have been prescribed in the orders for setting up of STPs/ CETPs by March, 2021. Yet it is difficult to comprehend how timelines can be prescribed for violating the environmental laws, which is a criminal act. During the hearing, State of Assam requested that based on recent monitoring of river water quality, it has emerged that number of priority reaches in their State have come down from 44 as contained in the CPCB report. The Hon'ble Bench remarked that their order was based on data provided by CPCB and any further changes in priority reaches have, therefore, to be based on independent periodical monitoring data by CPCB. CPCB based on upon independent periodical monitoring has to take a final call in the matter.

Further, as per the information provided by CPCB, 12 meetings of the Task Team have been organized. Till date, all 61 out of total 61 action plans pertaining to P-I and P-II PRS (polluted river stretches) received by CPCB from 18 States and 2 UTs have been approved. 91 out of 115 Action plans pertaining to P-III and P-IV polluted river stretches, submitted by 17 States and 01 UT has been approved by CPCB Task Team. The Action Plans in respect of Chhattisgarh, Jharkhand, Punjab, Rajasthan, Uttarakhand and West Bengal requires modification in light of the recommendations of the CPCB Task Team, whereas Nagaland State could not participate in Video Conferencing of the last 2 Task Team meetings due to technical problem.

Secretary, DoWR, RD&GR highlighted that Monthly Progress Report (MPR) are not being submitted by all the States regularly. Few States such as Goa, Jharkhand, Karnataka, Manipur, Rajasthan and Uttarakhand have not even submitted single MPR in the 6 months period. Due to the pandemic, exercise of physical verification of the State by the team of officials from NMCG, NRCD and CPCB is not possible, hence the progress of works carried out by the States can only be monitored through their submissions made in MPR. Further, concern was raised against the quality of MPRs and the information provided by the States. Few States such as Assam (as submitted in May), Kerala (as submitted in January), Nagaland (as submitted from January – May) were submitting details with regard to Priority I and II rivers or few rivers only, which was not acceptable. MPR must also include status of P-III & IV PRS. Further, it was directed that the States should clearly indicate status of each and every Action Plan and their sub-components along with expected completion timelines in their MPRs. The MPR must clearly bring out incremental progress/ action taken by State against each of activity since last MPR submitted by them. Therefore, all the States were directed to regularly submit (by email) soft copies of the MPRs containing details of all the stretches to NMCG by 20th of every month. The MPR should include details of sewerage, industrial, solid waste, bio-medical, hazardous, groundwater, floodplain and e-flow management and other components as per the format.

Apart from NGT compliance, in order to maintain a healthy environment, the concept of Aviral (continuous flow) and Nirmal Dhara (un-polluted flow) was suggested to be adopted by the States for all their rivers. With regard to maintaining the flows in rivers, it was stressed to rejuvenate smaller rivers tributaries by revitalizing the water bodies/ lakes/ wetlands in order to have adequate flow in the rivers. With regard to the pollution in rivers, it was highlighted that while a number of sewage treatment plants (STPs) are already in operation,

however these are either under-utilized or are not complying with the discharge standards. Similarly, for treatment of industrial waste, industries have installed individual ETPs or CETPs and are said to be complying with the discharge norms. However, the water quality data in nearby drains wherein the treated effluents are discharged is often found to be non-compliant or have high BOD/ COD levels. Therefore, it was recommended that existing sewage and industrial infrastructure needs to be optimally utilized by putting in efforts to make a non-functional plant functional or improving the capacity utilization or ensuring that the plant is complying with the norms.

Secretary, DoWR, RD & GR, directed officials of Ministry of Jal Shakti (NRCD and NMCG) to prepare State-wise summary report based on the MPRs received, wherein work progress made in consecutive months should be clearly highlighted.

Further, considering the slow-down in works related to different projects due to COVID-19 pandemic, all the States were directed to expedite the implementation of all the project works keeping the timelines stipulated by Hon'ble NGT in mind.

III. Subsequently, State-wise discussions held are as follows:

1. Punjab

Chief Secretary, Punjab informed that 88 STPs are proposed to be constructed, of which 11 STPs are expected to be completed by 31.03.2021, 25 STPs by 31.03.2022, 32 STPs by 31.03.2023 and 20 STPs by 31.12.2023. Works are being awarded, with a clause of payment to be made based on the performance of the plant with 15 years O&M. With regard to Buddha Nallah, it was informed that 3 big STPs are proposed to be constructed in Ludhiana. The projects are under-tendering stage and are expected to be completed by 2023. The State Government is seeking relief from NGT with regard to extension in timeline for the projects.

It was further informed that 93 STPs are operational in Punjab, out of which 32% in terms of capacity are not complying with the standards. Up-gradation of these STPs is also in progress and shall be completed in a years' time. Around 1980 MLD of sewage is being generated in Punjab, against which treatment capacity of 1302 MLD is existing. Only 900 MLD of the plant meets the discharge standards. With regards to solid waste management, 98% door-door collection is happening. As per the water quality monitoring data of the rivers in Punjab stretch, River Beas (Priority – V) is classified in category B, River Satluj (Priority – I) remains in category D downstream confluence of Buddha Nallah and River Ghaggar (Priority

– I) remains mostly D. In 38 towns of Punjab, where STPs do not exist or are proposed, black water is being treated ex-situ into grey water.

A non-complying 5 MLD CETP at Jalandar was closed down and the industries in the leather complex have also closed down due to High Court orders. One newly setup 15 MLD CETP for textile dyeing at Ludhiana is under stabilization and two CETPs complying with the norms are operational in Ludhiana. Work is in progress for setting up of two new CETPs for textile dyeing cluster with capacity of 40 MLD and 50 MLD, the work for which slowed down due to financial issues.

Secretary DoWR,RD&GR raised the issue of pollution in Satluj river due to Buddha Nallah and requested the State Govt. to ensure timely completion of project for pollution abatement of Buddha Nallah and that work should not be affected due to financial constraints.

It was informed that funds for the projects related to Buddha Nallah have already been tied up. It was also assured that the complete time-line for achieving the mile stones for setting up of STPs and CETPs along with PERT chart shall be submitted to the Ministry in next MPR.

2. Haryana

Principal Secretary, Haryana informed that the total sewage generation in different towns in the State is 1311 MLD. There are 116 STPs having capacity of 1563 MLD, of which 8 STPs are non-complying. These STPs receives about 1100 MLD of sewage and utilization capacities of the plants is 70%. For small recently approved colonies, additional STPs are being proposed. 23 STPs are under construction in River Yamuna (Priority – I) and 13 STPs in River Ghaggar (Priority – I). Another 11 STPs having capacity of 395 MLD are proposed in Haryana, especially for Faridabad and Gurgaon. For the proposed STPs, financial assistance is being sought.

Secretary, DoWR,RD&GR highlighted that 70% treatment of sewage reflects good utilization of capacity. However, the water quality monitoring data of the drains in Haryana and River Yamuna does not show much improvement in quality. Further, the State was directed to indicate status of all the projects (on-going/ proposed), capacities of the STPs and laying of sewer lines along with completion timeline in the MPRs. The State to also provide actions proposed for improving the capacity utilization of the STPs and the non-complying 8 STPs. With regard to industrial waste, status of existing CETPs and their utilization capacities, capacity of under-construction CETPs with completion timeline are to be included in the MPR. It was also remarked that as per States plan, many of STPs in Yamuna and Ghaggar

PRS were slated for completion during the period wef March-May'2020. However status of their completion or otherwise is not available.

3. Assam

Principal Secretary, Department of Environment & Forests, Assam along with Commissioner, Guwahati Municipal Corporation (GMC) briefed about the status of projects. It was informed that the GMC has been regularly cleaning and de-silting Bharalu river, Mora Bharalu, Bahini river, Lakhimijan river and Basistha Channel. Under Swachh Bharat Mission, GMC have constructed 4697 toilets to prevent open defecation. Disposal of municipal waste, plastic, biomedical waste in the river bodies are prohibited. Commissioner, GMC informed that 5 STPs are proposed and EOIs were called but could not be received due to COVID-19.

Secretary, DoWR,RD&GR directed the State representatives to review the directions of Hon'ble NGT in its order dated 06.12.2019 and to provide status of all the on-going and proposed projects along with completion timeline in the MPR. The MPR should also provide details about all the 44 polluted river stretches identified by CPCB, which is presently not available. It was also directed that one nodal officer well versed with the subject should in future attend the meeting and provide all requisite information for the State in a consolidated manner. Further, it was directed that Director General, NMCG may take a meeting with the officials of Assam within 15 days to review the progress.

Principal Secretary, Department of Environment & Forests agreed to submit status of all the projects at the earliest and assured to follow up with above directions.

4. Gujarat

Member Secretary, Gujarat Pollution Control Board informed that Action Plan for rivers in Priority I, II, III and IV have been approved by CPCB. Nodal officer have been appointed in the office of Chief Secretary. Monthly Progress Reports are being regularly submitted. There are 24 STPs operational in Gujarat and 3 STPs have recently been commissioned. For the remaining 21 STPs, which were earlier proposed to be completed by 2023, the completion timeline for the same has been reduced to 2022. With regard to industrial waste, it was informed that works related to expansion and up-gradation of 3 CETPs have been completed. Gujarat has developed treated waste water policy, under which treated water is being reused in irrigation as well as supplied in industrial areas. It was also informed that Chief Secretary, Gujarat has convened a meeting with the concerned Departments to resolve the land

allotment issues in various towns due to which works related to establishment of STPs were being delayed.

In the polluted river stretches, for 7 municipalities in situ-remediation is proposed. Trials have been started in Ankleshwar and in the remaining 6 municipalities projects are in tendering stage. In situ remediation is proposed to be carried out until completion of the sewerage projects.

With regard to the NRCP project on Tapi River in Surat, it was informed that 2 STPs are under-construction, tenders are under invitation with regard to left and right bank of river Tapi. For SUDA area, I & D work has begun. For 17 villages in GWSSB area, tenders have been invited and for 23 other villages, tenders are to be invited. Works related to possession of land at various sites has already begun.

Further, it was informed that total sewage of 2494 MLD is generated in Gujarat against which there is a treatment gap of 748 MLD, for which 65 STPs of 1300 MLD are proposed.

Secretary, DoWR, RD&GR appreciated the efforts put in by the State with regard to the policy developed for reuse of treated water and directed to resolve the land issues at the earliest as its resolution would enable timely completion of projects

5. Maharashtra

No representative from the State attended the meeting. It was directed by Chair to put up letters to seek reasons for non-attendance the State. The Committee is functioning on orders of NGT and States should remain committed to attend the meeting with up-to-date progress.

6. Kerala

Additional Chief Secretary along with Principal Secretary, Department of Environment & Forests, Kerala attended the meeting. It was informed that 21 polluted river stretches were identified in Kerala, of which now bathing quality standards is being maintained in 15 rivers. In the balance 6 rivers, efforts are being put in to achieve the bathing quality standards by March, 2021. In these stretches, 14 STPs are planned, of which 2 STPs have been completed, 3 STPs would be completed by March 2021, balance 9 projects are in DPR stage. Further, it was informed that there are no major industrial pollution in these stretches.

Executive Director, NMCG informed that MPR submitted by Kerala for the month of January 2020 had details only about River Karamana (Priority I). Details with regard to other 20 rivers need to be submitted as per the format.

Secretary, DoWR,RD&GR informed that with regard to the 15 rivers already meeting the bathing quality standards, as per the directions of NGT, the State should approach CPCB with relevant data for their consideration to exclude them from the list of polluted river stretches. Further, the details may also include the steps taken by State in form of sewerage intervention projects, in-situ remediation measures and other measures that have helped in rejuvenating the river reaches and attainment of bathing standards thereof.

7. Tamil Nadu

Additional Chief Secretary (Environment and Forest) Tamil Nadu informed that there are 6 polluted river stretches in the State.

PWD is preparing DPR for Gram panchayats in catchment area of river Cauvery and the DPR shall be prepared by July, 2020. Action Plan will take 2 years for implementation, i.e by March, 2023. There are 5 Fecal sludge management plants under-construction and are expected to be completed by December, 2020. There are 10,900 industrial units in Tamil Nadu and all have their own ETPs, which are being regulated as per consent conditions. 36 CETPs are existing in the State, of which 35 are working and 1 CETP is non-functional and is being closed down. Bio-medical waste, hazardous waste and e-waste are being segregated as per the PCB rules.

Secretary, DoWR,RD&GR highlighted that a team of officials had visited Tamil Nadu in March 2020 and as per the reports, many of the rivers are polluted due to inadequate dilution water as these rivers are non-perennial. For rejuvenating the rivers, focused attention is required in respect of tributaries and sub-tributaries of these rivers. MGNERGA could be leveraged by Chief Secretary for rejuvenating rivers. Further, it was stressed that along with capacity creation, monitoring of the STPs/ CETPs through online performance monitoring mechanism and ensuring optimum utilization of the plants need to be undertaken by the States.

8. Telangana

Principal Secretary, Environment and Forest, Telangana informed that there are 5 river stretches in the State. It was informed that in Hyderabad a total of 1900 MLD sewage is being generated, of which 770 MLD is being treated and there is a gap of 1130 MLD. For treatment of 730 MLD sewage, DPR for I&D with 9 STPs has been prepared. For remaining 400 MLD of sewage, a project for sewage network and 13 STPs has been proposed. DPR has been prepared and tenders are to be bid based on Hybrid annuity model within 45 days. I&D

projects are expected to be completed within 2 years and sewerage network project within 3 years. In compliance to the NGT directions, phyto-remediation has started in 5 drains (700 MLD) with targeted completion of works in 2-3 months. With regard to industries, it was informed that 6800 KLD of industrial waste and 4 CETPs are operational in the catchment areas of the rivers. It was also informed that in order to maintain e-flow of the Musi River, water will be brought from other river nearby as a part of Kaleshwar project.

Secretary, DoWR, RD&GR highlighted that Telangana has huge gap in treatment capacity, which needs to be addressed.

9. Meghalaya

Principal Secretary, Forest & Environment, Meghalaya informed that CPCB has approved the Action Plans for 2 rivers in Priority I and 3 rivers in Priority IV. With regard to Priority I rivers, under AMRUT, Faecal Sludge and Septage Management Plants (FSSMP) have been taken up in Shillong. Along with this, 5 on-site river treatment plants are proposed along the river. DPR has already been prepared, consultation with CPHEEO is in progress, tendering works to begin soon and the project is proposed to be completed by 31.03.2021.

Secretary, DoWR, RD & GR appreciated the state of Meghalaya for taking up FSSMP for addressing the issue of pollution as the project shall be completed at a faster pace and at lesser cost as compared to conventional STPs.

10. Tripura

Principal Secretary, Environment, Tripura informed that all the 6 stretches identified fall under Priority-V, based on BOD levels of the respective stretches in 2016-17. However, based on the water quality monitoring regularly carried out from the year 2017 to till date, the BOD values in the river stretches were found to be achieving bathing quality standards i.e. below 3 mg/l. State is implementing the Action Plan prepared and the Monthly Progress Report is being submitted regularly. The State shall approach Hon'ble NGT and CPCB with water quality data to exclude the State from the list. With regard to domestic pollution, it was informed that a STP of 8 MLD is operational in Agartala and an STP at Akhaura is under-construction and the same shall be completed by 2022. 70 drains have been identified for phyto-remediation and are under-tendering stage.

11. Nagaland

Member Secretary, Nagaland Pollution Control Board informed that there is one river Dhansiri in Priority-I. With regard to issue of grey water, 3 drains polluting the river have been identified by the State having high BOD level. The households discharging into the river are being traced and Department of Urban Development is providing assistance in construction of septic tanks/ digesters. Further, it was informed that construction of 25.43MLD STP under NRCP has been completed, however works related to laying of sewer line is 47 % complete. For Priority –III, IV& V, Action Plans have been submitted to CPCB and the same could not be approved due to absence of the State in the last Task Team Committee meeting of CPCB owing to technical issue. However, it was assured river stretch-wise Monthly Progress Report will be submitted to NMCG from June onwards.

Secretary, DoWR, RD & GR requested CPCB to approve remaining Action Plans and directed State to initiate the works related to implementation of Action Plans.

12. Manipur

No representative from the State attended the meeting.

13. Mizoram

Secretary, Irrigation and Water Resources, Mizoram and Joint Secretary, Environment, Forest & CC along with official from PCB attended the meeting. Secretary, Irrigation & Water Resources Department, Govt. of Mizoram informed that Mizoram has 9 river stretches, for which Action Plan for 4 rivers (in III & IV Priority) have been approved by CPCB. MPRs are regularly been submitted. It was further informed that the BOD level in all the rivers is below 3 mg/l, as per the monitoring data from 2017 onwards. This has been achieved through undertaking of a number of works in Swachh Bharat Mission (Grahmin) for management of liquid and solid waste. In the Action Plan, considering the future requirements, bio-digesters and community beds for liquid waste have been proposed. For Aizwal, 1 STP has been installed covering 30% area of the city and remaining city is covered by 285 community based bio-digesters of capacity up to 50 households. Similar bio-digesters are proposed for other areas. State accordingly requested for de-listing the PRS in the State.

Secretary, DoWR, RD & GR recommended that for de-listing the identified polluted rivers in the state, CPCB may be approached with relevant monitoring data as discussed in reference to earlier States.

14. Sikkim

Representative from Sikkim informed that 4 river stretches identified are under Priority V. However, as per the latest monitoring data, these stretches are achieving the bathing quality standards i.e. having BOD values below 3 mg/l. It was informed that no CETPs are operational in Sikkim. All the industrial units have their own operational ETPs. Further CCTVs are installed to monitor the compliance. Department of Forest has taken up plantation works near the river beds.

Executive Director, Technical, NMCG pointed out that till date only one MPR was received from the State in the month of January and directed State to submit stretch-wise MPR to NMCG regularly through mail.

Director General, NMCG recommended that with regards to excluding the river stretches from the polluted list, the State may approach CPCB with relevant data.

15. Delhi

CEO, Delhi Jal Board and Member Secretary, Delhi Pollution Control Committee attended the meeting. However, due to time-constraints and number of issues in Delhi, Director General, NMCG recommended that a separate detailed meeting with the State shall be taken up soon by the Ministry of Jal Shakti.

16. Andhra Pradesh

Secretary of Municipal Administration, Andhra Pradesh along with Chairman, Andhra Pradesh Pollution Control Board (APPCB) attended the meeting. Chairman, APPCB informed that out of 5 rivers identified in the State, 2 rivers are under Priority IV and 3 rivers are under Priority V. Based on the latest water quality monitoring data, except for Total Coliform (TC) parameter, all rivers are meeting bathing quality standards in respect of other parameters. BOD values are mostly below 3 mg/l, DO ranges are above 5.5 mg/l, Fecal coliform ranges from 200 to 350 MPN/100ml whereas the TC ranges 800 MPN/100ml, due to which the rivers are in C category. These rivers flow through 6 towns of AP – Kurnool, Rajahmundry, Vijayawada, Srikakulam, Nandyal and Tadepalli. Existing STPs in these towns are not sufficient, therefore new STPs of 100 MLD have so far been proposed. 456.6 MLD sewage is generated in these 6 towns, for which 160 MLD capacity existing, 54 MLD capacity STPs are under-construction and a gap in treatment capacity of 242 MLD for 5 year

has been projected. Secretary of Municipal Administration, AP presented that status of the project:

Town	Projected sewage generation for 5 years	Existing STP Capacity	Under-construction STP	Proposed STP
Srikakulam	22 MLD		10 MLD	DPR prepared for 12 MLD STP. Financial assistance to be sought.
Vijayawada	250 MLD (needs revision)	130 MLD	20 MLD Contractual issues to be sought	
Rajahmundry	61 MLD	30 MLD	5 MLD. Land issues to be resolved	
Kurnool	Contractual and land related issues to be resolved			
Nandyal				
Tadepalli				

Director General, NMCG directed the State to resolve the land and contractual issues urgently and take up implementation of works as per Action plans in a time bound manner, and submit stretch-wise MPRs monthly to NMCG.

17. Bihar

No representative from the State attended the meeting.

18. Chhattisgarh

Principal Secretary (Housing & Environment), Chhattisgarh informed that there are 5 identified stretches in Priority IV & V, for which Action Plans were submitted to CPCB. In the last meeting of Task Team held in June 2020, CPCB had asked to submit additional information, which will be done. Industrial units along the stretches have adopted Zero Liquid Discharge policies. With regard to the pollution due to sewage discharge, 12 STPs are proposed, of which 6 STPs are under construction and 1 STP out of these is expected to be completed by November, 2020. For the remaining proposed 6 STPs, DPR has been prepared and release of State budget is awaited. Out of this, 1 project is being taken up in PPP mode with NTPC and negotiations are on with the State Urban Department. With regards to maintaining the e-flow in the rivers, Irrigation Department has prepared SOP for release of e-flow, wherever required. For identification of encroachment and pollution, discharges are being stringently monitored regularly. 30 encroachment sites have been identified along these

stretches, out of which 4 sites have been removed and major plantation drive has been carried out in these stretches. Chief Secretary, Chhattisgarh regularly monitors the progress. Water harvesting structures are being taken up and the industries are complying.

Director General, NMCG suggested to sensitize the municipal bodies with regards to solid waste management as often solid waste dumped on Ghats along the rivers and is seen floating in the rivers, which gives a bad picture of management of rivers in the State. State may also provide status of FSSM projects undertaken by them in next meeting. Further, it was directed to submit updated status and completion timelines of all the on-going and proposed projects in the MPR.

19. Daman, Diu and Dadra Nagar Haveli (DDDNH)

Chief Conservator of Forest and Member Secretary, Pollution Control Committee, DDDNH, informed that Damanganga River which flows through the UT and Gujarat has been identified as polluted river stretch. Action Plan has been approved by CPCB. 2 STPs are existing in the UT, 13 MLD at Silvassa and 4.21 MLD at Moti Daman. With regard to connecting households to sewer network and STP, work is in progress for Silvassa and Moti Daman. DPR has been prepared for 16 MLD STP at Nani Daman, approval of which and release of funds is awaited. Accordingly, more time may be required for completion of the project.

All the industrial units utilizing water in their process have been directed to install ETPs. Industries without ETPs or non-compliant are being closed based on regular inspection. Bio-medical waste of UT is regularly collected from the hospitals and clinics by a firm from Surat, which collects and treats the waste as per the rules. Along the river stretch, activities such as establishment of parks, basic amenities and plantation activities are being undertaken. For management of floods, check dams have been construction. Phyto-remediation by NEERI was proposed to be undertaken in 7-8 natural drains, however the same could not be carried out due to the pandemic and the same shall be done soon.

Director General, NMCG suggested UT to submit updated status and completion timelines of all the on-going and proposed projects in the MPR.

20. Himachal Pradesh

Joint Secretary, Environment & Forest, Himachal Pradesh along with Member Secretary, HP Pollution Control Board attended the meeting. It was informed that Chief Secretary regularly

monitors the progress and MPRs are being submitted. There are 7 river polluted river stretches, and Action Plans for all these stretches stand approved and implementation of the plans is under-progress. For Priority I river (River Sukhana), tenders have been awarded for establishment of 2 proposed STPs. For Priority II river (River Markanda), tenders have been awarded and funds have been allocated for establishment of a STP. The project is expected to be completed within 31.03.2021. Another STP-cum-CETP is proposed in the catchment area. For Priority III River (Sirsa), 2 STPs have already been constructed and work in progress for sewer line connections.

Legacy waste in the catchment area of Priority I river has been cleared and composting for wet waste has been started. Phyto-remediation works for Priority - I have been started, sites have been identified for Priority- II and estimated have been prepared. HP Pollution Control Board is monitoring compliance of drains/ STPs/ CETPs on monthly basis. Online monitoring systems are being proposed to be installed. Bio-diversity Park already exists in Priority- I stretch, land is being identified in Priority-II and works have started in Priority-III for establishment of bio-diversity parks.

Director General NMCG suggested to also submit details of Priority-V rivers in the MPR.

21. Jammu & Kashmir

Principal Secretary (Housing and Urban Development Department), Secretary (Environment & Forest) and Chairman, J&K Pollution Control Board attended the meeting. It was informed that Action Plans were submitted to CPCB, all plans have been approved and implementation of the plans has begun. Plantation works along the stretches under CAMPA has also begun. It was informed that of the 9 river stretches identified, 5 are in Jammu and 4 in Kashmir. Total sewage of 160 MLD is being generated, 70 MLD is being treated, different projects have been sanctioned for treatment of 30 MLD sewage and action plan for 60 MLD of sewage is remaining. With regard to project of pollution abatement of river Devika sanctioned under National River Conservation Plan (NRCP) having total treatment capacity of 13.6 MLD, it was informed that work is in progress and is expected to be completed by June, 2021.

With regard to project for pollution abatement of river Tawi, already 66 MLD capacity STPs are existing and 19 MLD is being constructed under AMRUT. A 4.5 MLD STP is existing in the catchment area of Jhelum river, and STPs of 22 MLD are being constructed. For remaining 8 rivers, DPR has been prepared and the same are being revised as per the suggestions of NRCD and MoHUA.

It was informed that water quality monitoring of rivers is being carried out regularly, and in most of stretches improvement of quality has been observed and the reports are being submitted along with the MPRs. Catchment area treatment has been taken in all stretches. Work is in progress for installation of real time monitoring systems in the STPs.

Director General, NMCG directed State to submit updated status and completion timelines of all the on-going and proposed projects in the MPR. The MPRs should include details of all the stretches and the same to be regularly submitted to NMCG through mail also as hard copies apparently sent have not been received.

22. Goa

Official from Goa Pollution Control Board informed that out of total 11 polluted river stretches identified in Goa, action plans for three (one under P-III and two under P-IV) have been approved and are being implemented. Action plans for stretches under category P-V (8 nos) are being revised and additional information is being incorporated and the same shall be submitted to State level RRC and subsequently to CPCB for approval. No industrial effluent was reported to be discharged in the said polluted river stretches, and thus there are no CETPs existing. With regard to the domestic pollution, it was informed that cities of Madagaon, Navelim and Panji are having sewerage system while at other locations standalone soak pits are constructed.

Director General, NMCG directed the State to submit stretch-wise MPRs to NMCG regularly as per the format and it should include the updated status and completion timelines of all the on-going and proposed projects.

23. Karnataka

Principal Secretary, Environment & Forest Department cum Chairman, Karnataka Pollution Control Board informed that in Karnataka 17 river stretches have been identified in Priority III, IV and V. Total sewage generation for these stretches is 882 MLD, for which already 622 MLD capacity STPs are existing and gap in treatment capacity at present is 272 MLD. Considering the gap in treatment and projected sewage generation, 386 MLD capacity STPs are proposed for which fund shall be made available by the State Government. It was also informed that a team of officials from NRCD, NMCG and CPCB had visited the State in March, 2020 and had suggested to revise the plan with regards to the River Arkavathi incorporating biomedical waste, industrial waste and hazardous waste management. The suggestions of the team are being incorporated in the Action Plans. Further, it was informed

that Karnataka has 26 CBMWTF for treatment of biomedical waste, 2 TSDF disposal sites and 10 incinerators for hazardous waste. Industries are largely complying with the norms. Major issue of pollution related to solid waste and sewage generation in the State shall be appropriately addressed. With regard to flood mitigation, it was informed that funds are being sought by the State Government.

Director General, NMCG raised concern over non-submission of any MPR by the State till date and directed the State to submit stretch-wise MPRs to NMCG regularly as per the format and suggested to include the updated status and completion timelines of all the on-going and proposed projects.

Senior Consultant, NMCG highlighted that a large chunk of pollution load into River Arkavathi (Priority III) is from River Vrishabhavathy which carries untreated sewage discharge of Bangalore city. This issue has not being covered in the Action Plan for this polluted river stretch and the same needs to be addressed by the State. This concern was also raised in the Task Team meeting of CPCB and was highlighted by the team which had visited Karnataka in March, 2020.

Principal Secretary, Environment & Forest Department, Karnataka informed that based on the recommendation of the CPCB and the team visit, Action Plan with regard to River Arkavathi is being revised and financial assistance for the same is also being worked upon. He promised to send the pending MPRs immediately, which will include the detailed status and project completion timelines of all the river stretches.

24. Madhya Pradesh

Principal Secretary, Environment & Public Health Engineering cum Mission Director, Jal Jeevan Mission, Madhya Pradesh informed that 22 river stretches have been identified in MP. Of this 3 rivers (Chambal, Khan, Kshipra) are in Priority I and need to be monitored closely. A team of officials of NRCD, NMCG and CPCB had visited the State and letter of Secretary, DoWR, RD&GR had been received along with recommendations and observations of the team. Status of the projects was informed:

Town	Sewage generation	Existing STP Capacity	Under-construction STP	Industrial
Indore River Khan	350 MLD	3 STPs of 335 MLD	5 STPs of 67 MLD and another 10 MLD by December 2020	

Ujjain River Kshipra	90 MLD	83 MLD (not working properly)	1 STP of 92.5 MLD by December 2021	
River Chambal	8 MLD Proposed to be treated by bio- remediation instead of STP			11.5 MLD CETP under- construction by January 2021

It was highlighted by Principal Secretary (Environment) that due to pandemic, which badly affected the towns of Indore and Ujjain, the construction activities in these towns could not be carried out from March to May 2020 and the works have slowly began to progress. Further with regard to River Chambal having 8 MLD of sewage load, it was informed that initially a STP of 16 MLD was proposed to be constructed at Nagda with a completion timeline of December 2023. However to contain the pollution load, as an interim measure, it is now proposed to treat the water through insitu-bio-remediation. For this a team from Madhya Pradesh had planned to visit Delhi, wherein a bio-remediation based plant is working successfully, however due to COVID-19, the visit had been postponed and the same shall be convened after situation improves. Further, bioremediation is also proposed to be taken up at Mandideep, where STPs are under-construction and may take longer time for completion.

Director General NMCG suggested that the State may approach NEERI with regard to bioremediation projects. Further, it was suggested that it can be taken up as a temporary measure, as for 16 MLD projected sewage STP needs to be established eventually to address the pollution load.

On recommendations of Secretary, DoWR, RD&GR, Principal Secretary, Environment, MP agreed that for monitoring the performance of existing and under-construction STPs in the State through online system, a Plan at State level shall be devised, the status of which shall be updated in the next meeting of CMC.

25. Jharkhand

Principal Secretary, Forest, Environment & CC, Jharkhand along with Member Secretary, Pollution Control Board, Director SUDA and Chief Engineer, Water Resources attended the meeting. It was informed that 7 rivers stretches identified are in Priority IV and V. Action Plans are being revised based on the recommendations of CPCB. With regard to status of STPs, it was informed that 2 STPs are functional, 2 STPs are in progress and 3 STPs are to be

tendered by UDD, Jharkhand. With regard to the industrial pollution, it was informed that all industries have functional ETPs, there are 56 ETPs, 1 CETP is functional and 1 CETP is under-construction. 2 Bio-medical waste treatment plants are operational along 2 rivers in Jamshedpur and Dhanbad, and 1 hazardous waste management plant is functional at Jamshedpur.

Secretary, DoWR, RD&GR raised concern about non-submission of MPR by the State. It was directed to submit details in a proper format including details of sewage generation in State (total as well as town-wise), existing capacity of STP, gap in treatment capacity, percentage utilization of existing STP, number and status of projects under-construction or proposed along with completion timelines, details of industries such as number of industries, discharge from the industries, installation of ETPs and CETPs. Further, it was suggested that treated water should be re-used in industries and Jharkhand must work on framing its reuse of treated wastewater policy and must adopt the same.

26. Odisha

Principal Secretary, Housing & Urban Development Department, Director, Environment and Member Secretary, Odisha Pollution Control Board attended the meeting. It was informed that the Chief Secretary, Odisha has regular review meetings to monitor the interventions. Sewage treatment systems (sewer network and STP) have been taken up in 6 large Urban Local Bodies and in all other local bodies septage management plants are being taken up. 104 septage treatment plants are envisaged, out of which 10 plants are already functioning successfully. Construction of septage management plant in 36 locations is going on. 40 MLD STP at Rourkela is to be commissioned in one month and work is in progress for house sewer connections. Works are in progress for establishment of 16 MLD STP at Cuttack and the same shall be completed within 7 months.

Secretary, DoWR, RD&GR highlighted that STP projects with sewerage networks are time consuming and have difficulties in implementation in comparison to interception and diversion projects.

27. Rajasthan

Secretary (Environment), Rajasthan along with Member Secretary, Rajasthan Pollution Control Board and Chief Engineer attended the meeting. It was informed that one river stretch falls under Priority I (Banas) and second in Priority V (Chambal). Action Plans are

being implemented by the State. However, as per the latest water quality of monitoring data, the rivers are achieving bathing water quality standards, i.e. BOD below 3mg/l in both monsoon and non-monsoon period.

Secretary, DoWR, RD&GR highlighted that as per the NGT hearing held on 22.06.2020, the State may approach CPCB with relevant data with regard to any change in priority of the rivers. Also the State needs to justify the details of steps taken by the State through which improvement in water quality has been achieved. Further, it was directed that the State may submit MPR to NMCG regularly as per the format attached at **Annexure-II**.

28. Puducherry

Secretary (Environment), Puducherry cum Chairperson, Puducherry Pollution Control Committee informed that one river (Arasalar) falls under Priority IV and the second river (Chunnambar) falls under Priority V. Action plans have been submitted to CPCB and the same have been approved. MPRs are being submitted regularly and meetings under Chief Secretary are being held regularly for compliance monitoring of the directions. Inventorization of industries in Chunnambar has been done and closure directions were issued to the polluting industries. With regard to solid waste management, it was informed that door to door collection of waste is being carried out. Bio-medical waste management is being carried out by single facility, which collects all the biomedical waste from hospitals. Two STPs of 3 MLD each at Villianur (for Chunnambar) and Karaikal (for Arasalar) are proposed, for which tenders have been floated on 23.01.2020 and the same shall be opened shortly. Villages along the rivers have become ODF (Open Defecation Free). Ground water is being regulated by Puducherry Groundwater Authority, 6 illegal tube wells in Puducherry and 2 tube wells in catchment area of Arasalar have been closed down. Bar screens have been installed on the drains leading to the river.

Director General, NMCG suggested that in the MPRs, completion timelines of the projects may be provided. Also, the exercise of maintaining the quality of the rivers or other water bodies in Puducherry should be an ongoing process.

29. Uttar Pradesh

Special Secretary, (Environment & Forest), Uttar Pradesh informed that there are 12 polluted river stretches. Action Plan for rivers in Priority I and III have been approved. Updated MPR for the month of May has been submitted recently. 324 drains are discharging in polluted

river stretches, of which 35 drains are tapped, 289 drains are partial tapped or untapped. Sewage generation is about 4292 MLD, of which 1956 MLD is being treated in 79 STPs, and there is a gap in treatment capacity of 1796 MLD. 47 STPs are proposed and further DPR is to be prepared for 675 MLD sewage generated. UPPCB carries out monthly monitoring of the 79 STPs, and it was found that 47 STPs are complying with the norms and 32 STPs were non-complying, Environmental Compensation have been imposed against the non-complying STPs.

Out of 47 proposed STPs, work is in progress for 26 STPs, of which 19 STPs are expected to be completed by March 2021, 4 STPs by October 2021 and 3 STPS by March 2022. 7 STPs are under tendering and DPRs have been prepared for 14 STPs.

With regard to industrial pollution, it was informed that 1665 industrial units are existing in the polluted river stretches, and a three tier monitoring system is in place for compliance. 386 units were found defaulting, 101 units have been closed, 87 units were issued show cause notices. Rs. 20 crore Environmental Compensation have been imposed on the defaulting units and Rs. 9 Crore has been recovered. 6 CETPs are existing in the catchment area, and all the CETPs are complying with the norms. The capacities of the tannery sector have been reduced.

With regard to maintaining the e-flow in the rivers, Irrigation Department UP, has given study to IIT Delhi for intra-State rivers and for inter-State rivers (Betwa, Yamuna). Irrigation Department, UP is awaiting notification from Ministry of Water Resources. Timeline for completion of the studies is December, 2020. With regards to notification and demarcation of floodplains, for intra-State rivers the timeline of 6 months has been proposed for survey works.

Only 26 % of municipal solid waste generated in UP is being treated. The State UDD has submitted a proposal for establishment of solid waste treatment facilities of 10,000 tonnes per day capacity with a completion timeline of March, 2021. Legacy wastes in Meerut and Noida have already been remediated. Further, work is in progress for remediation of legacy wastes in Agra and Noida. UDD UP has invited RFP for treatment of legacy waste in 10 major cities along the major stretch.

Biomedical waste generated in 16,000 HCFs is treated at 18 CBMWTFs in the State. Under Swatch Bharat Mission (Grahmin), 1.5 lakh soak pits have been constructed, waste stabilization ponds are being constructed in the villages and 9655 gram panchayats have

become solid and liquid waste free. This year 10.49 Crore seedling have been planted, Third Party monitoring survival of seedling is being done. Based on the regular water quality monitoring by UPPCB at 88 locations in these 12 polluted river stretches, the water quality at 55 locations have shown improvement.

Director General, NMCG informed that as NMCG is now also focussing on small river rejuvenation, rejuvenation of rivers like Varuna, Assi canal also be taken up, and communication in this regard is in process to Principal Secretary, Rural Development, UP.

Executive Director, Technical, NMCG suggested that the State should expedite the works related to preparation of DPRs.

30. Uttarakhand

Member Secretary, Uttarakhand Environment Protection Pollution Control Board and Project Director SMCG-UK attended the meeting. It was informed that 9 Action Plans for the rivers in Priority I and II have been approved. However, for Action Plans for Priority IV and V, CPCB has asked to revise timelines as per NGT directions. With regard to industrial pollution in rivers in Priority I and II, it was informed that CETP at Sitarganj and Pantnagar are complying with the norms. Rest of the industries are being regularly monitored. 1 CBTWF is operational in the catchment area. 1 TSDF at Roorkee is operational. 7 DPRs with regard to sewage management have been submitted to NMCG in April,2020 of which 3 DPRs have been returned by NMCG with observations. For bioremediation projects, DPRs have been prepared and submitted to NMCG for consideration. Solid waste collection has started in 6 municipalities and DPRs have been prepared for establishment of SLF and sent to MoHUA. Legacy wastes have been identified and financial assistance is being sought for treatment.

Director General, NMCG directed that the State may submit MPR to NMCG regularly as per the format attached at **Annexure-II**. Concerns were also raised with regards to water quality of River Ganga in the stretch Hardiwar to Sultanpur.

31. West Bengal

Principal Secretary (Environment) along with Principal Secretary(Water Resources), Principal Secretary(Urban Affairs), West Bengal and Member Secretary, West Bengal Pollution Control Board attended the meeting. It was informed that due to the severe damage caused by Cyclone Amphan in the State, the Task Team meeting of CPCB for approval of Action Plans related to Priority III to V could not be attended and also there is delay in

submission of MPRs. Works are in progress for the 2 rivers in Priority I and II. It was requested that CPCB may approve the Action Plan for 15 rivers in Priority III to V. It was informed that CPCB has asked the State to revise the Action Plans as per the timelines provided by NGT, however for projects not yet sanctioned or tendered, the State may not be able to achieve the timelines.

It was informed that 643 Ghats have been identified and placement of 1246 double-colored dustbins has been completed. Screens/ nets have been installed on 400 drains discharging into River Ganga. Total sewage generation for West Bengal is 2758 MLD and treatment capacity of 1778 MLD exists. Works related to STPs are assigned to three agencies in West Bengal, 36 STPs under KMDA, 15 STPs under KMC and 6 STPs under PHED. Most of the STPs are operational and few are under-renovation and partially operational.

Under KMDA, work is in progress for establishment of new 9 STPs, of which 4 STPs shall be completed by March 2021, 1 STP by September 2021 and 3 STP by August 2022. Further, non-operational STPs are being repaired and renovated, and are under tendering stage. Under KMC, 3 STPs are operational, 2 STPs are under repair (damaged due to Amphan), 3 STPs under construction shall be completed by March 2023, tenders for 3 more STPS have been floated and 3 STPs are under proposal stage. Under PHED, 4 STPs are operational and 2 STPs are under repair (damaged due to Amphan).

56 drains were identified for bioremediation works, as per the recommendations of CPCB. However, work on 55 drains cannot be taken up as they come under tidal zone of the river. Tendering of the one drain at Murshidabad is under process for phyto-remediation/bio-remediation. There are 48 GPIs operational in West Bengal, which have their individual ETPs and have online monitoring systems. Rejuvenation of water bodies is under-progress. 7 vendors take care of all biomedical waste in the State.

90% door to door collection of municipal waste is being carried out, 100% to be achieved by October, 2020. There is a 20MLD CETP in West Bengal for treating effluent generated from 335 no. of tanneries located at Calcutta Leather Complex at Bantala. Additional 4 modules of CETP of capacity 5MLD each (i.e. total capacity of 20 MLD) has been proposed within Leather Complex at Bantala. Further, based on the recommendations of CPCB, revision of Action Plan of Churni River is being done and the same shall be submitted to CPCB for approval shortly.

Director General, NMCG requested CPCB to consider the Action Plan submitted by the State with regard to 7 rivers in Priority III and IV. Further, it was suggested pending approval of Action Plan, the State may initiate implementation of the plans. With regard to the screens installed on the drains, it was suggested that screens may also be installed on drains discharging in rivers other than river Ganga and regular third party verification may be carried out. It was informed that NMCG is providing assistance to UP Government for inventorization and preparation of IMPs for improving the health of the wetlands in the catchment area of river Ganga and suggested that NMCG would support the West Bengal Government also, if the State Government is interested.

IV. ShriA. Sudhakar, Additional Director CPCB, informed that the States were directed to approach NGT in case of any relaxation where the completion timelines were not met as stipulated by NGT.. Further, it was informed that the States in the Task Team meeting were recommended to initiate implementation of Action plans, even if they were not approved by CPCB and are approved by State-RRC. However, it was highlighted that few Action Plans were observed to be not approved by State-RRC, which needs to be done prior to approval of CPCB. With regard to change in priority of rivers due to improvement in water quality, it was informed that for achieving outdoor bathing quality, not only BOD but 5 parameters, including Fecal Streptococci, needs to be monitored as per the notification of MoEF&CC, and these should be looked upon and strictly followed by RRC. A 2 year monitoring data with 5 parameters needs to be examined before any change in priority of river stretch is notified.

Senior Consultant, NMCG informed that the States were already told in the Task Team meetings that Action Plan for rivers in Priority V need no approval from CPCB and are to be implemented after approval of State level RRCs.

V. While concluding the meeting, Director General, NMCG highlighted the following points:

- 1. States to regularly submit soft copies of the MPRs containing details of all the stretches to NMCG by 20th of every month. The States should clearly indicate status of each and every Action Plan and their sub-components along with expected completion timelines in their MPRs. The States to categorically inform progress made in each component with regard to the previous month. The MPR should include details of sewerage, industrial, solid waste, bio-medical,**

hazardous, groundwater, floodplain and e-flow management as per the format attached at Annexure-II.

- 2. With regard to change in priority of the rivers, as per the remarks of Hon'ble NGT, any change have to be based on periodical data monitoring by CPCB and not on the data of State PCB. Therefore, CPCB has to take a final call in the matter.**
- 3. CPCB to review and approve the remaining Action Plans submitted by the State with regard to the rivers falling under Priority III to V.**
- 4. Considering the number of issues, a separate review meeting with the officials of Assam and Delhi to be taken within 15 days by NMCG.**

List of participants:

1. Shri U. P. Singh, Secretary, DoWR, RD&GR, Ministry of Jal Shakti – *in Chair*
2. Shri Rajiv Ranjan Mishra, Director General, NMCG cum Project Director, NRCD
3. Shri Ashok Kumar Singh, Executive Director (Project), NMCG
4. Shri D.P.Mathuria, Executive Director (Technical), NMCG
5. Shri Brijesh Sikka, Senior Consultant, NMCG
6. Shri. B.B. Barman, Advisor, NRCD
7. Shri A. Sudhakar, Scientist E & Divisional Head, WQM-I, CPCB
8. Shri S.K. Srivastava, Additional Director, NRCD
9. Shri S.K. Singh, Deputy Director, NRCD
10. Shri A.P. Singh, Scientist E, NRCD
11. Dr. Savita Madhvi Singh, Joint Director, NRCD
12. Shri Rajat Gupta, Senior Solid Waste Management Specialist, NMCG
13. Shri Saumya Mukhopadhyay, Senior Environmental Specialist, NMCG
14. Shri G K Murty, Team Leader, NMCG
15. Shri Deepinder Singh, Deputy Team Leader, NMCG
16. Dr. P.N.Rymbai, Scientist B, NRCD
17. Shri Manish Kumar, Sewage Treatment and Wastewater Expert, NMCG
18. Shri Vijay Kumar, Assistant Civil Engineer, NMCG
19. Shri Rachit Andley, Project Manager, NMCG
20. Shri Vivek Raj, Scientist C, NMCG
21. Shri Avshesh Chauhan, Assistant System Analyst, NMCG
22. Ms. Nidhi Dwivedi, Project Officer Technical, NMCG
23. Shri Kumar Ajitabh, Project Officer Legal, NMCG
24. Shri. Meetpal Singh, Support Engineer, NMCG
25. Mrs. Ruby Raju, Project Engineer, NMCG

National Mission for Clean Ganga**Format for Submission of Monthly Progress Report by States/UTs****(Hon'ble NGT in the matter of OA No. 673/2018 dated 06.12.2019)**

Sl.No.	Activity to be monitored	Timeline	Submission of Progress by State/UT-Compliance Status
1	Ensure 100% treatment of sewage at least in-situ remediation	31.03.2020	
	commencement of setting up of STPs and connecting all the drains and other sources of generation of sewage to the STPs must be ensured	31.03.2020	
2	Timeline for completing all steps of action plans including completion of setting up STPs and their commissioning	31.03.2021	
5	Chief Secretaries may set up appropriate monitoring mechanism at State level <ul style="list-style-type: none"> • Specifying accountability of nodal authorities not below the Secretary level • Chief Secretaries may have an accountable person attached in their office for this purpose. 	22.01.2020 22.01.2020	
	<ul style="list-style-type: none"> • Monitoring at State level must take place 	Fortnightly Commencing 21.12.2019	
6	Progress report may be furnished by the States/UTs to <ul style="list-style-type: none"> • Secretary, Ministry of Jal Shakti • Member Secretary, CPCB 	Monthly (preferably before 20 th of every month)	
6.1	Progress Report may be comprised of details along with completion timelines on: <ul style="list-style-type: none"> (i) Identification of polluting 		

	<p>sources including drains contributing to river pollution and action as per NGT order on insitu treatment</p> <p>(ii) <u>Status of STPs, I&D and sewerage networks</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(iii) <u>Status of CETPs</u> Details of Existing CETP and ETP Infrastructure, Gap Analysis, Proposed along with completion timeline, No. of industries and complying status</p> <p>(iv) <u>Status of Solid Waste Management & Details of Processing Facilities</u> Details of Existing Infrastructure, Gap Analysis, Proposed along with completion timeline</p> <p>(v) Latest water quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river;</p> <p>(vi) Preventing dumping of waste and scientific waste management including bio-medical wastes, plastic wastes and decentralizing waste processing, including</p>		
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	<p>waste generated from hotels, ashrams, etc.</p> <p>(vii) Ground water regulation</p> <p>(viii) Adopting good irrigation practices,</p> <p>(ix) Protection and management of Flood Plain Zones (FPZ),</p> <p>(x) Rain water harvesting,</p> <p>(xi) Maintaining minimum environmental flow of river</p> <p>(xii) Plantation on both sides of the river</p> <p>(xiii) Setting up biodiversity parks on flood plains by removing encroachment</p>		
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