

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

1<sup>st</sup> Floor,  
Major Dhyan Chand National Stadium  
India Gate, New Delhi-110002  
Dated: 8<sup>th</sup> November, 2024

**OFFICE MEMORANDUM**

**Subject: Minutes of the 19<sup>th</sup> meeting of Central Monitoring Committee in the NGT Matter OA No.673 of 2018 held on 30.09.2024 from 10.00 AM on-wards**

A copy of Minutes of the 19<sup>th</sup> Meeting of Central Monitoring Committee in the NGT matter O.A. No. 673 of 2018 held through Video Conferencing on 30.09.2024 from 10.00 AM on-wards, under the Chairmanship of Secretary, DoWR, RD&GR, Ministry of Jal Shakti is forwarded herewith for information/ necessary action.



(Anup Kumar Srivastava)  
Executive Director-Technical, NMCG  
[ed-technical@nmcg.nic.in](mailto:ed-technical@nmcg.nic.in)

Encl: As above.

To,

1. Chief Secretary, Government of Andhra Pradesh, I<sup>st</sup> 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, 1<sup>st</sup> Block, 5<sup>th</sup> Floor, Sachivalaya, Gandhinagar – 382010
7. Chief Secretary, Government of Haryana, 4<sup>th</sup> 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, 2<sup>nd</sup> Floor, Main Building, Civil Secretariat, Jammu -180001

10. Chief Secretary, Government of Jharkhand, 1<sup>st</sup> Floor, Project Building, Dhurwa, Ranchi-834004
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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, 6<sup>th</sup> 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
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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
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24. Chief Secretary, Government of Telangana, Block C, 3<sup>rd</sup> floor, Telangana Secretariat Khairatabad, Hyderabad, Telangana
25. Chief Secretary, Government of Tripura, New Secretariat Complex Secretariat – 799010, Agartala, West Tripura
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27. Chief Secretary, Government of Uttarakhand, 4 Subhash Road, Uttarakhand, Secretariat Dehradun – 248001
28. Chief Secretary, Government of West Bengal, Nabanna, 13<sup>th</sup> 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
32. Chief Secretary, Andaman & Nicobar, Secretariat, Port Blair
33. Administrator, Lakshadweep

**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
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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
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17. Principal Secretary, Department of Environment, Forest & Climate Change, New Secretariat, Kohima, Nagaland Tel.- 0370-2243025
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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
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27. Secretary, Environment & Forest, Govt. of Uttarakhand, 4 Subhash Road, Secretariat, Forth 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. Additional Chief Secretary, Forest and Environment Department, Government of Manipur, Secretariat, Imphal- 705001
33. The Member Secretary, Assam Pollution Control Board, Bamunimaidam, Guwahati – 781021
34. 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
35. The Member Secretary, Bihar State Pollution Control Board, Parivesh Bhawan, Plot No. NS-B/2 Paliputra Industrial Area, Patliputra, Patna (Bihar) - 800 010
36. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19, Atal Nagar Dist- Raipur (C.G.) 492002
37. The Member Secretary, Delhi Pollution Control Committee, Government of N.C.T. Delhi 4th Floor, ISBT Building, Kashmere Gate, Delhi-110006
38. 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
39. The Member Secretary, Goa State Pollution Control Board, 1st Floor, Dempo Tower, EDC Patto Plaza, Panaji, Goa-403 001
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41. The Member Secretary, Haryana State Pollution Control Board, C-11, Sector-6, Panchkula-134109, Haryana
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43. The Member Secretary, Jammu & Kashmir State Pollution Control Board, Parivesh Bhawan, Forest Complex, Gladni, Narwal, transport Nagar, Jammu, Jammu and Kashmir 180004
44. The Member Secretary, Jammu & Kashmir State Pollution Control Board, Shiekh-ul-Campus, behind Govt. Silk Factory, Raj Bagh, Srinagar (J&K)

45. The Member Secretary, Jharkhand Pollution Control Board, T.A Building, HEC, P.O. Dhurwa, Ranchi – 834004
46. The Member Secretary, Karnataka State Pollution Control Board, Parisara Bhavan, 4th & 5th Floor, # 49, Church St., Bengaluru-560 001
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50. The Member Secretary, Nagaland Pollution Control Board, Signal Point, Dimapur Nagaland – 797112
51. The Member Secretary, Madhya Pradesh Pollution Control Board, E-5, Arera Colony, Paryavaran Parisar, Bhopal - 462 016, Madhya Pradesh
52. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 2nd – 4th Floor Opp. Cine Planet Cinema, Nr. Sion Circle, Sion (E) Mumbai – 400 022
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56. The Member Secretary, Odisha Pollution Control Board, A-118, Nilakanta Nagar, Unit – VIII, Bhubaneshwar – 751012
57. The Member Secretary, Rajasthan Pollution Control Board, 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur (Rajasthan) - 302 004
58. The Member Secretary, Sikkim State Pollution Control Board, Department of Forest, Environment & Wildlife Management Government of Sikkim, Deorali, Gangtok, - 737102
59. The Member Secretary, Telangana State Pollution Control Board, Paryavaran Bhawan, A-3, I.E. Sanath Nagar, Hyderabad-500 018
60. The Member Secretary, Tripura Pollution Control Board, Vigyan Bhawan, Pandit Nehru Complex, Gorkhabasti, PO: Kunjaban Agartala – 799006
61. The Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032
62. The Member Secretary, Uttarakhand Environmental Protection & Pollution Control Board, 29/20, Nemi Road, Dehradun, Uttarakhand – 248001
63. The Member Secretary, Uttar Pradesh Pollution Control Board, Building.No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226 010
64. The Member Secretary, West Bengal Pollution Control Board, Paribesh Bhavan, 10A, Block-L.A., Sector III, Salt Lake City, Kolkata - 700 106
65. The Member Secretary, Andaman & Nicobar Islands Pollution Control Committee, Department of Science & Technology, Dollygunj Van Sadan, Haddo P.O., Port Blair – 744102

66. The Member Secretary, Lakshadweep Pollution Control Committee, Department of Science, Technology & Environment, Kavarati-682555

**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. Joint Secretary, Ministry of Housing and Urban Affairs, Nirman Bhawan, Maulana Azad Road, New Delhi – 110011.
4. Special Secretary (SBM & CVO), Department of Drinking Water and Sanitation, Government of India, 4th Floor, Pt. Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi – 110003.
5. Joint Secretary, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi – 110003
6. Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032
7. PS to DDG, NMCG
8. PS to ED (Projects), NMCG
9. Joint Secretary, NRCD



**Minutes of the 19<sup>th</sup> meeting of the Central Monitoring Committee held on 30.09.2024 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 19<sup>th</sup> meeting of the Central Monitoring Committee (CMC) constituted by Hon'ble NGT in the matter OA No. 673 of 2018 was held in hybrid mode with States on 30.09.2024 in Conference Room, NMCG under the Chairmanship of Secretary, DoWR, RD & GR, Ministry of Jal Shakti (MoJS). The list of participants is at **Annexure-I**.

To begin with, a brief presentation was made by ED (T), NMCG about the mandates of CMC following the Hon'ble NGT Order in 2019. He further informed the Committee regarding activities completed/under process as part of directions given by the Chair in 18<sup>th</sup> CMC meeting held in Jan, 2024 including the conduct of two-day workshop on "New technologies for Decentralized Treatment of Sewage and Sludge Management" on 23rd & 24th September, 2024 at IIT Roorkee which was attended by 75 plus officers/technocrats from Central and State Govts Deptts.

In her opening remarks, the Chair, among other things, informed that the Central Govt has circulated Draft Revised Technical Guidelines on Flood Plain Zones. *She urged all States/ UTs to offer their comments/ inputs to the Ministry at the earliest. The same after finalization needs to be implemented in States to mitigate flood related risks.*

**[All States/ UTs]**

Subsequently, State-wise discussions were held reflecting the progress by individual States on host of issues, such as sewage, industrial and solid waste management, etc.

## **1. Tamil Nadu**

1.1 NRCDD reported that incremental progress of the 29 under construction STPs reported to be in the range of 1 to 6% in the MPR. Some of the under construction STPs are still not completed as per the timelines indicated. State to regularly monitor the progress of the ongoing STP works.

**[Action: State of TN]**

1.2 10 CETPs of 41 MLD are reported to be at proposal stage since last 2 years.

It was informed by the State that the industries are functioning at residential areas, and therefore, it is proposed to relocate the industries at a different location. All the industrial units are ZLD. DPRs for CETPs have been prepared and the same was submitted to Ministry of Textiles for financial assistance. Funds are also requested in Nadanthai Vaazhi Cauvery project from State Water Resources Department, Ministry of Jal Shakti.

**[Action: Ministry of Textiles/ NRCDD]**

1.3 State to prepare Action plan for restoration of newly identified polluted river stretches - Palar, Amravathu, Cooum, and Adyar.

**[Action: State of TN]**

1.4 The Chair suggested the State and CPCB to reconcile sewage generation data. Efforts are also required by the State to enhance the utilization capacity of the existing sewerage infrastructure. Chief Secretary, TN was requested to review the implementation of the River Action Plans.

**[Action: State of TN/ CPCB]**

1.5 A study of ecological assessment of Cauvery River was carried out by NRC and Wildlife Institute of India (WII). The findings of the study may be presented by WII to Chief Secretary, Tamil Nadu.

**[Action: NRC]**

1.6 Principal Secretary (Environment, Climate Change & Forests Department), Tamil Nadu informed that river stretches of Sarabanga and Cauvery have improved and have shifted to lower priorities. With regard to the quantity of sewage generation in the State, Chief Secretary, Tamil Nadu is reviewing the matter in consultation with the Directorate of Municipal Administration, Directorate of Town Panchayat, Chennai Metropolitan Water Supply & Sewerage and a meeting with CPCB and concerned Line Departments will be conducted to sort out the issues. Further, details with regard to alternate technology for sewage treatment, generally in rural areas FSTPs, septic tanks of soak pits, horizontal/vertical filters etc., will be shared in the MPR submissions. A clean Tamil Nadu company limited is proposed by Government of Tamil Nadu to ensure bio-mining of legacy waste at urban areas and day to day treatment and disposal at rural areas. One sewage outfall of Cooum River and 21 numbers outfalls at Adyar River have been plugged. Adyar and Cooum Polluted River Stretches are given top priority for improvement of water quality. Compound wall/ retention walls are being provided for floodplain protection.

## **2. Karnataka**

2.1 Gap in sewage treatment capacity remains 663 MLD. 14 existing STPs of 39 MLD are reported to be non-operational. Out of the 74 under construction STPs, 33 STPs having completion timeline of April/ May, 2024 are yet to be completed. State may expedite the progress and indicate revised timelines in the MPRs.

**[Action: State of Karnataka]**

2.2 State to take appropriate action to bridge the gap in solid waste management of 5500 TPD.

**[Action: State of Karnataka]**

2.3 State to submit river action plan for 3 new polluted river stretches - Arkavathi, Dakshinak Pinakini and Thenpennai falling under Priority-I. Status in this regard may be indicated in the MPR.

**[Action: State of Karnataka]**



2.4 Principal Secretary (Environment), Karnataka informed that slow progress of STP at Kaggadasapura was due to land dispute, which has now been resolved and shall be completed by March, 2025. Work of STP at Varthur was held up due to Court Matter. Corrected measures being taken for non-complying 2 STPs and house sewer connections are pending due to which 12 STPs are reported to be non-operational, this is being taken up in a phased wise manner. Further, it was informed that a World Bank assisted project is being taken up involving rural and urban development bodies for three coastal districts. As per the State, only 10 river stretches are polluted, therefore a joint inspection is proposed to be held in January to ascertain the number of polluted river stretches. Arkavathi and Dakshina Penakini are high priority polluted river stretches, for which STPs are being constructed under BBMP to cater to the sewage generated from Bangalore city.

2.5 Further, it was highlighted that Thenpennai river is in Tamil Nadu and not in Karnataka and CPCB may take a note of it.

**[Action: CPCB]**

2.6 The Chair suggested the State to review the progress of implementation of the River Action Plans and to expedite the progress of on-going STP projects. It was suggested that the non-operational STPs may be utilized else the STP quality shall deteriorate till the house sewer network connections are completed.

**[Action: State of Karnataka]**

2.7 A separate session may be held with the Coastal States wherein Karnataka can give brief about the works done for Coastal Pollution Management.

**[Action: NRCD]**

2.8 A separate meeting to be held for discussion with regard to pollution in River Arkavathi and the mitigation action proposed by State.

**[Action: NRCD]**

**2.9 Scientist E, CPCB informed that the Action Plan for Coastal Pollution Management submitted by the States/ UTs are reviewed at CPCB and comments on the same are sent. However the Action Plans are to be approved by the Coastal Zone Regulation Committee.**

### **3. Punjab**

3.1 State to take appropriate action against the following issues:

- i. 28 non-compliant STPs out of the 91 monitored STPs
- ii. 14 ongoing STP works are having land issues.
- iii. 2 major non-compliant CETPs of capacity 40 & 15 MLD at Ludhiana.

**[Action: State of Punjab]**

3.2 The Chair suggested that online monitoring of all the existing STPs in the State may be taken up in order to ensure that the existing STPs are operational at their optimum capacity.

**[Action: State of Punjab]**

3.3. DG, NMCG suggested that a Control Room may be established, where all the online monitoring data is displayed and analyzed.

**[Action: State of Punjab]**

3.4 Secretary (Environment), Punjab informed that river Sirsa is predominantly in the State of Haryana with only one village in Punjab in its catchment which adds no pollution in the river. As per the decisions of CMC, the matter has been taken up with CPCB and the State of Haryana, and the final decision is awaited. It was further informed that river Ghaggar enters the State at Mubarakpur with water quality of BOD > 30 mg/l (Priority-I) and continues to flow in the State with the same status. However, adequate sewage treatment capacity has been planned in different towns in its catchment to improve river water quality. The matter has been monitored at the highest level in the State and also with the State of Haryana to ensure improvement in river water quality.

**[Action: CPCB/ NRCD]**

3.5 With regard to Buddha Nallah rejuvenation project, it was informed that regular monitoring has been conducted at appropriate level to adhere to the respective timelines for different components being executed through PWS&SB, PEDDA and Ludhiana Municipal Corporation. In order to ensure compliance of the CETPs with respect to the prescribed discharge norms, corrective measures are being taken in consultation with all stakeholders, along with the action against erring industrial units by Punjab Pollution Control Board under the statutory provisions.

3.5.1 JS, NRCD informed that water quality monitoring was carried out after completion of the Buddha Nallah Rejuvenation Project, however as per the results, the water quality is observed to be deteriorated in 2024 as compared to 2023 prior to execution of the project. **The Chair expressed serious concerns over the deterioration of water quality of Buddha nallah and river Satluj even after completion of all the components under the project involving huge expenditure to the tune of Rs.500 crore.**

3.5.2 ACS (LSG), Punjab informed that there prevails enforcement issue – (i) cow dung being discharged into the sewer networks choking the system and affecting the performance of the STPs, (ii) industrial discharge – though strict action is being taken by the State PCB. A comprehensive plan needs to be implemented for addressing the issues and requested a separate meeting for further discussion.

3.5.3 The Chair directed NRCD to convene a separate meeting with the State officials and JS (Swachh Bharat dealing with Gobardhan) to resolve the issue of Buddha Nallah Pollution. Further, CPCB was directed to resolve the issue of River Sirsa in consultation with the State Government of Punjab and Himachal Pradesh.

**[Action: NRCD/CPCB]**

#### **4. Himachal Pradesh**

4.1 The Chair raised concern over the deterioration of water quality in the rivers in the State. In May 2024, BOD of 22 mg/l was observed in River Sirsa and River Sukhna had a BOD of 280 mg/l.

4.2 As per the submissions made by Punjab, the industrial activities in Baddi, Himachal is responsible for pollution in Sirsa river in Punjab stretch. Industrial pollution management remains an issue in the State of HP and as per the MPR of May 2024, 35 ETPs were reported to be non-compliant.

**[Action: State of HP]**

4.2.1 Member Secretary, HPPCB informed that a joint inspection of River Sirsa was carried out by officials from Himachal Pradesh & Punjab and the BOD & DO values were found to be within permissible limits in both the States. The CETP at Baddi is complying with the standards. As per the latest monitoring reports, State had requested CPCB to put River Sirsa and Ashwani in Priority-V. CPCB to review the same.

**[Action: CPCB]**

4.2.2 Further it was informed that works for pollution abatement completed in the catchment area of River Sirsa and the water quality reported in August, 2024 has BOD within permissible limits. Similarly, one STP is operational and another STP is under construction in the catchment area of River Sukhna. The sewer network works have been completed and the households are now connected with the operational STP and improvement in water quality of River Sukhna observed in August, 2024.

4.2.3 The Chair directed that a meeting to resolve the Baddi issue may be convened by NRCD with Himachal Pradesh, Punjab and CPCB, after submission of the final inspection report by CPCB.

**[Action: NRCD]**

4.3 State needs to ensure that all the Hydro-Electric projects release the mandated minimum environment flow. It was remarked that rivers of Himachal are an asset to the country and therefore Chief Secretary, Himachal Pradesh may review – (a) whether the sewage is reaching to the STPs, (b) whether the STPs are functioning effectively, (c) why river stretches are deteriorating, & (d) Action Plans for River Rejuvenation may be reviewed and if required may be updated.

**[Action: State of HP]**

4.4 Special Secretary (Jal Shakti Vibhag) informed that the matter is regularly being reviewed by Chief Secretary, Himachal Pradesh. 3 STPs in Shimla were under upgradation.

#### **5. Maharashtra**

5.1 State to re-concile the sewage generation data with CPCB.

**[Action: State of Maharashtra/ CPCB]**

5.2 Out of the existing 154 STPs, 6 STPs of total capacity 101 MLD are non-operational and 61 STPs are reported to be non-compliant, including major STPs of 757 MLD at Worli & 797 MLD at Bandra in Mumbai. The ongoing STP works are having slow progress. State to take appropriate action.

**[Action: State of Maharashtra]**

5.3 As many as 87 STPs of total capacity 4200 MLD are proposed in the State including 7 major STPs of 2464 MLD in Mumbai undertaken by Municipal Corporation of Greater Mumbai. The State Govt is required to look into the details in terms of STPs under tendering process, awaiting administrative/technical sanction and/or proposal yet under formulation.

**[Action: State of Maharashtra]**

5.4 Principal Secretary (Environment), Maharashtra informed that 25 STPs of 308 MLD are under construction and 87 STPs of total capacity 4200 MLD are proposed to bridge the gap in sewage treatment. Present status of these STPs would be sought from Urban Development Department and MPRs shall be updated accordingly. After completion of the house sewer connections, utilization capacity of the existing STPs shall improve within two years.

5.5 The Chair noted that the State has maximum polluted river stretches and no perceptible improvement has been observed since long. State was directed to submit within a month, interim measures proposed to improve the utilization capacity of the STPs till the time sewer connections are made.

**[Action: State of Maharashtra]**

5.6 PD, NRCD insisted for time bound implementation of action plans for identified polluted river stretches in the State giving due priority to the most polluted ones. Further, it was suggested that a physical meeting with a team from Maharashtra may be held at NRCD.

**[Action: State of Maharashtra/ NRCD]**

5.7 JS, NRCD informed that a Performa was shared with the States/UTs by NRCD so that performance of the State/UT can be evaluated in terms of implementation of the Action Plan. The response from the State is awaited.

5.8 Further, a 26 MLD STP at Nanded was sanctioned under NRCD, however details of the STP are missing in the report submitted by Quality Control of India (QCI). State may look into the matter.

**[Action: State of Maharashtra]**

## **6. Andaman & Nicobar**

6.1 Secretary (Environment), Andaman informed that UT is putting in efforts in ensuring compliance to the directions of Hon'ble NGT in the Matter OA 673 of 2018 and OA 606 of 2018. With regard to the previously proposed 10 MLD STP at Port Blair, it was informed that the project has been scrapped and treatment is proposed through a 25

MLD phyto-remediation plant. The proposal is currently in DPR stage and work order is expected to be issued soon. Due to heavy rains, the working time is very limited. It was assured to pursue the works which are under the Port Blair Municipal Corporation and PWD implementing the Smart city projects. It was agreed to submit the MPRs timely.

6.2 The Chair directed Andaman & Nicobar Pollution Control Committee to review the performance of the projects after its implementation.

**[Action: Andaman & Nicobar Pollution Control Committee]**

## **7. Tripura**

7.1 State may provide status and details of the proposed sewage treatment facilities. Treatment efficiency of bio-remediation works taken up in 5 drains needs to be analyzed.

**[Action: State of Tripura]**

7.2 Secretary (Environment), Tripura informed that to increase the utilization capacity of the operational 8 MLD STP, additional pumping stations are being installed. 8 MLD STP at Akhaora completed and shall be operational in 1-2 months' time. For treating 64.24 MLD of effluent, works are under different stages of implementation – 31.5 MLD STP, 9.7 MLD by bio-remediation of drains and work order to be issued for 17.5 MLD STP and 8 MLD STP.

7.3 The Chair desired that CPCB may review the bio-remediation works being carried out by the State, and share its effectiveness with other Stakeholders, if found useful.

**[Action: CPCB]**

## **8. Gujarat**

8.1 State may put in effort to:

- (i) Increase the utilization capacity of the existing STPs, which is reported as 68%.
- (ii) Improve the compliance status of the 46 STPs and 1 CETP which are reported to be non-complying.

**[Action: State of Gujarat]**

8.2 Secretary (Urban Development), Gujarat informed that Chief Secretary, Gujarat regularly reviews the progress. There remain few major issues in the State.

8.2.1 First is lack of household connections in locations where collection network system is functional. During the survey, it was found that around 12.9 lakh household connections were yet to be made. State Government is now providing Rs.7000/- to the owners for getting their household connected to the sewer networks. Around 2 lakh connections have been completed and for the remaining connections, financial arrangements have been planned.

8.2.2 Second is lack of collection networks in outgrown and missed out areas. New DPRs are being taken up worth Rs. 5000 crores. This includes household sewer connections. The Utilization Capacity of the existing STPs is more than 68%, however the STPs are being planned for 20 years and shall not achieve 100% utilization capacity at present.

8.2.3 Third issue is that the few Nagar Palikas are not able to run and maintain the STPs properly due to fund paucity and high O&M. State Government has decided to provide financial and technical assistance to these ULBs. The non-compliant STPs in the State shall either be upgraded or replaced. Keeping in pace with the circular economy concept, State is planning and putting in efforts to increase the amount of reused treated water from 35% to 60%. Reuse of treated water has also helped in recovering earnings for smaller ULBs.

8.3 The Chair appreciated the efforts being put in by the State; she observed that while creating additional STP capacity, State should focus on improving the utilization capacity of the existing STPs. The Chair also remarked that even after the completion of sufficient sewage treatment, there is no improvement seen in the water quality of Priority-I rivers.

**[Action: State of Gujarat]**

8.4 Secretary (Urban Development), Gujarat informed that State is having fast urbanization, hence considering the future predictions and improvement in water supply connections, STPs are being established in every municipality. Efforts are being made by the State to improve the sewerage networks and household connections and for addressing the industrial pollution which shall lead to improvement in water quality of the rivers.

8.5 Member Secretary, GPCB informed that the Priority-I rivers are identified in the most populated areas of the State. Efforts are being put in by the State to addresses the issues. There is improvement in water quality of the rivers and shall be reflected in 2024 water quality monitoring reports. Chair asked CPCB to confirm the facts and send analysis to GPCB and NRCD.

**[Action: CPCB]**

## **9. Telangana**

9.1 The Chair raised concern over few ongoing STP projects not having any progress in the past 6 months including 2 STPs having 99% progress. State was directed to provide incremental progress made with regard to all ongoing projects in the MPR submissions.

**[Action: State of Telangana]**

9.2 Principal Secretary, EFS&T informed that due to the measures taken by the Government, the water quality has improved in all the stretches and all efforts are being placed to bridge the gap in sewage and solid waste management.

9.3 Managing Director, HMWSSB informed that as provided in the MPR, work of 6 STPs could not be initiated due to land and other local issues and hence the progress made and completion timeline could not be updated. As the issues are now resolved, these STPs are being taken up under AMRUT-2.0. The tendering process for newly sanctioned 38 STPs are being taken up, with 24 months completion timeline.



9.4 Further, it was informed that Government of Telangana has taken up rejuvenation of river Musi as a flagship program and plans to utilise 5 TMC of river Godavari water to ensure freshwater flow in river Musi along and this project is under pipeline.

9.5 The Engineer in Chief, PHED informed that the STPs that are having 99% progress since past 6 months could not be commenced due to non-completion of network connections owing to monsoon season and continuous rains. It was assured that the STPs shall commence within couple of months.

**[Action: State of Telangana]**

9.6 JS, NRCDC raised concern over inordinate delay in establishment of the solid waste processing facilities since last two years. The Commissioner & Director Municipal Administration, Telangana informed that at present the issue of LOA for setting up of processing plants is kept on hold, as the feasibility for establishment of Waste to Energy plants on cluster basis is being studied and suitable lands are being identified.

**[Action: State of Telangana]**

## **10. Kerala**

10.1 ACS (Environment), Kerala informed that Kerala is a rural-urban continuum and has specific undulating terrain which makes it difficult in providing sewer network connections in the entire State. Onsite sanitation through septic tanks and soak pits is being practiced in majority of places. Most of the households are located not in cluster form but households are distributed all over the State. However, action is being taken to divert the sewage to common STPs. Fecal Sludge Treatment Plants (FSTPs) also exists in the State and some more units are being setup. Ministry of Jal Shakti was thanked for the approval of Cochin Metro Rail Limited's proposal of two STPs- one at Perandoor and one at Elamkulam.

10.2 Special Secretary (LSG), Kerala informed that as it is difficult to provide sewer network in the entire State, hence more Mobile Treatment Units (MTUs) and FSTPs are proposed to fill the gaps. Out of 4 non-operational STPs, 2 are individual STPs and action is being taken by LSGD and PCB for rectification. In case of 0.1 MLD FSTP at Kochi Corporation project for renovation is underway. With regard to ongoing projects having no incremental physical progress reported, most of these are individual STPs and implementation is being regularly monitored. With regard to the variation in data of STPs and their capacity, it was informed that the data is dynamic and is being updated regularly by the SPCB based on issuance of consent to operate. Further, it was informed that 1.5 MLD CETP at Aroor was delayed due to court case and for 1.5 MLD CETP, Chandiroor, Administrative Sanction will be issued and the project is expected to be completed within one year.

10.3 The Chair appreciated the works carried out by the State and suggested that State may document the non-STP related sewage treatment works undertaken which can be

used by other States having similar topographical conditions. State may submit the document in this regard at the earliest to CPCB for compilation.

**[Action: State of Kerala/ CPCB]**

## **11. Puducherry**

11.1 Progress of all the 5 proposed STPs by the UT needs to be expedited.

**[Action: UT of Puducherry]**

11.2 The Chair raised concern over two more river stretches being identified as polluted though the UT has sufficient sewage treatment capacity and solid waste management facility.

11.3 Secretary (Environment), Puducherry informed that to address the issue of pollution in River Chunnambar, a 3 MLD FSTP is planned and shall be completed by March, 2025.

**[Action: UT of Puducherry]**

11.4 The pollution issue in newly identified rivers – Gautami Godavari and Coringa is due to discharge from Andhra Pradesh, however a 6 MLD STP is planned for Yanam which shall be completed by June, 2025.

**[Action: UT of Puducherry]**

11.5 Further, it was informed that Coastal Action Plan has been prepared and was submitted to CPCB. Thereafter, CPCB examined the Action Plan and requested to submit the revised Action Plan. NCCR is preparing the revised Action Plan and it would be completed by November, 2024.

**[Action: UT of Puducherry]**

## **12. Sikkim**

12.1 Secretary (PHED), Sikkim informed that 3.25 MLD STP is now completed and households are now being persuaded for getting connected to the main sewer networks. The progress of STP at Mangan and Chungthang got delayed due to land issues. STP proposed at Soreng is at DPR stage. Due to flash floods in River Teesta, South Sikkim got damaged, which affected the works with regard to proposed STP projects at Jorethang and Rabong.

12.2 JS, NRCD highlighted that during the visit of team from NRCD, it was suggested that a letter with regard to escalation in the project cost may be submitted to NRCD for consideration. The letter is awaited at NRCD and therefore State may expedite the same.

**[Action: State of Sikkim]**

12.3 The Chair suggested that a separate meeting be held with the State with regard to the damage caused by flash floods in River Teesta.

**[Action: NRCD]**

### **13. Manipur**

13.1 State to address the issue of 140 MLD gap in sewage treatment capacity existing in the State.

**[Action: State of Manipur]**

13.2 Except River Nambul, no improvement is seen in water quality of rivers. Further, there is addition of 4 new river stretches in Priority V.

13.3 Status of construction of 3 ETPs of 400 KLD at Takyelpat, Tera Urak & Kuraopokpi Industrial Estates of Manipur needs to be indicated in the MPR.

**[Action: State of Manipur]**

13.4 ACS (Environment), Manipur informed that two STPs of 16 MLD and 1 MLD under NRCP have been completed. The 16 MLD STP has been commissioned and operational with 50% capacity utilization at present. However, in case of 1 MLD STP, laying of 30m sewer line is pending due to some issues and the same will be completed in the next 2-3 months.

13.5 With regard to the newly sanctioned project for pollution abatement of Imphal and Manipur rivers under NRCP, it was informed that tenders will be floated soon and execution of the project is expected in two months' time. Action Plan for the remaining polluted rivers has been prepared and submitted.

**[Action: State of Manipur]**

13.5.1 Further, there has been a decline in the flow of rivers in the State which has rendered them to be seasonal. With reduced flow, there is lack of water for dilution in the rivers leading to an increased concentration of pollutants in the rivers which further resulted in increase in number of polluted stretches in the State. In order to address this issue, the State Government is looking up for other schemes/sources of funding for catchment area treatment for rejuvenation of the springs which will improve the flow/e-flow of the rivers and reduction of pollution therein. The State Government is working on proposals for reuse of treated water from the existing STPs and requested the Ministry for technical and financial assistance in this regard.

**[Action: State of Manipur/ NRCD]**

13.6 The Chair suggested that the State may consider nature based solution and bioremediation for treatment of sewage, similar to activities being undertaken by Tripura State Government. Further, the State may submit proposals related to constructed wetlands & spring rejuvenation to the Ministry for examination.

**[Action: State of Manipur]**

### **14. Daman, Diu & Dadra Nagar Haveli**

14.1 UT to ensure timely submission of Monthly Progress Reports.

**[Action: UT of DDDNH]**

14.2 UT to expedite the completion of house sewer connections in order to enhance the utilization capacity of the existing 13 MLD STP.

**[Action: UT of DDDNH]**

14.3 Secretary (Environment), DDDNH informed that more effort is being put up by the UT in addressing the pollution in both polluted river and coastal stretches of UT. Work is in progress with regard to pending house connections, 90% connections are expected to be completed within the next 4-5 months.

14.4 Report with regard to the status of phytoremediation carried out in drains will be submitted to the CPCB for compilation.

**[Action: CPCB]**

14.5 The Chair suggested that the UT may explore nature based solution for treatment of sewage and to speed up implementation of Integrated Coastal Zone Management Plan.

**[Action: UT of DDDNH]**

## **15. Uttarakhand**

15.1 Out of the 60 operational STPs in the State, all are complying with MoEF&CC norms, however, as per NGT norms 44 STPs are complying and 16 are non-complying. State may address this issue and may expedite the progress of ongoing STP works at the Udham Singh Nagar and Gaurikund project, which have completion timeline of October 2024 and April 2025.

**[Action: State of Uttarakhand]**

15.2 The Chair remarked that Uttarakhand having significant works done in managing sewerage however there is no improvement seen in river stretches of Bahela & Dhella and there is deterioration in river stretches of Kalyani, Koshi, Nandour, Pilkha and there is addition of new river stretch of Banganga.

**[Action: State of Uttarakhand]**

15.3 Secretary (Drinking water & Sanitation), Uttarakhand informed that with completion of on-going STP projects, the water quality in the identified rivers shall improve. Further, it was informed that e-flow in the rivers are being maintained as per river specific notifications.

15.4 Scientist E, CPCB highlighted that the pollution in river Bahela & Dhella is due to industrial activities in the catchment; therefore strict monitoring and enforcement may be ensured.

**[Action: Uttarakhand Pollution Control Board]**

## **16. West Bengal**

16.1 PD, NRCD highlighted that most of the STPs in State are non-compliant to Fecal Coliform norms. Necessary arrangements may be made by the State for ensuring compliance of the STPs. State may submit pending Detailed Project Reports (DPRs) for the towns along the Ganga main stem.

**[Action: State of West Bengal]**

16.2 Principal Secretary (Environment), West Bengal along with other State officials attended the meeting. Senior Special Secretary (Department of UD & MA), West Bengal informed that the STPs previously built under Ganga Action Plan (GAP) are non-complying to the FC norms, therefore State is installing chlorination tanks in these STPs. Co-treatment of sewage in the existing STPs is being undertaken, due to which improvement in Ganga river quality observed. Low cost technologies/ in-situ treatment are being explored. Due to difficulty in land availability and purchase of private land requires 8 month time, which led to delay in DPR submission. Pending DPRs will be submitted in phased wise manner.

**[Action: State of West Bengal]**

16.3 Further, it was informed that the river water quality has improved and CPCB has been requested to de-list 4 of the river stretches now achieving Bathing water quality standards. **CPCB to revisit the polluted river stretches list.**

**[Action: CPCB]**

## **17. Uttar Pradesh**

17.1 The action plans for the 6 newly identified polluted river stretches (Banganga, Pilkhar, Rihand, Sone, Sai & Bahela) in 2022 report needs to be prepared by the State Government.

**[Action: State of UP]**

17.2 State Government to submit the DPRs for the towns identified under Priority I&II polluted river stretches.

**[Action: State of UP]**

17.3 For the earlier identified stretches, wherein actions have already been identified, projects are yet to be taken up for (i) Hindon (Sardana, Loni), (ii) Kali Nadi (Meerut – Abu Nala 1), (iii) Yamuna (Fatehabad, Hamirpur), (iv) Ramganga (Karula Drain – Moradabad), (v) Bahela (Tanda).

**[Action: State of UP]**

17.4 Project Director-UPSMCG/ Managing Director-UPJN (R) indicated that the balance DPRs for Hindon, Kali Nadi & Yamuna polluted river stretches are under preparation and will be submitted shortly for consideration.

17.5 Regarding comprehensive Varuna action plan, a joint meeting of Principal Secretary – Namami Gange and Principal Secretary – Urban Development Department along with all concerned departments has been held on 28.09.2024 and draft DPRs have been prepared except for the interceptor sewer which is pending from Irrigation department and is likely to be submitted within next month.

17.5.1 DG, NMCG indicated that these DPRs (under Varuna Action Plan) are not to be considered as independent projects rather all of them carry inter-dependency in terms of flow & timelines and accordingly, it was requested to submit all the DPRs collectively for further actions.

**[Action: State of UP]**

17.6 The Chair pointed out that NMCG has sanctioned projects on the main stem/ certain tributaries of river Ganga, it is primarily the responsibility of State to ensure that no untreated sewage is being discharged into the rivers. The Chair requested the State to prepare concerted action and a clear road map on the action plans to deal with polluted river stretches.

**[Action: State of UP]**

## **18. Odisha**

18.1 State to provide details of action proposed for bridging the gap in sewage treatment of 404.5 MLD.

**[Action: State of Odisha]**

18.2 Additional Chief Secretary (Environment), Odisha attended the meeting along with other State officials. State official informed that 13 STPs of 375.50 MLD is operational in the State having utilization capacity of 186 MLD. FSTPs of 2087 KLD are operational in all 115 ULBs. Further, it was assured that details shall be submitted to the Ministry.

18.3 The Chair appreciated the works done by the State in improving water quality of certain stretch. However State was directed to submit details of action proposed for Priority-I river Gangua.

**[Action: State of Odisha]**

## **19. Chhattisgarh**

19.1 State to address the issue of delay in on-going 4 STPs at Nava Raipur Zone 1, Kanker, Sigma and Koni C (Bilaspur). State may indicate the following in the MPR:

- (i) Timelines for the sanctioned 5 STPs
- (ii) Model River identified by the State

**[Action: State of Chhattisgarh]**

19.2 The Chair expressed concern about deterioration of Kharoon river and under-utilization of existing STPs.

**[Action: State of Chhattisgarh]**

19.3 Secretary, Urban Development informed that 9 STPs are operational for Kharoon and 1 STP Dhamtari is under construction for which timeline will be indicated in the MPR. Though capacity utilization of the existing STPs has improved in last 6 months however, efforts are being made to improve it further.

**[Action: State of Chhattisgarh]**

19.4 Regarding identification of Model River and floodplain demarking, the details will be indicated in the subsequent MPR submissions.

**[Action: State of Chhattisgarh]**



## 20. Delhi

20.1 It was noted that timelines of different under construction STP's & upgradation of 18 DSTP's is being continuously revised is a matter of concern. The land allocation issue of Delhi Gate STP is also still unresolved. GNCTD has to complete ongoing STPs construction works without further extension of time. Similarly, issues regarding DSTPs must be resolved on urgent basis.

**[Action: DJB/DDA]**

20.2 The Chair remarked that as reported major part of Interceptor Sewer Project (ISP) has been completed and enquired whether there is any improvement in water quality of River Yamuna. **GNCTD to submit a detailed report in the matter.**

**[Action: DJB]**

20.3 DG, NMCG highlighted that primarily the focus is on improvement in water quality of the river as a number of STPs & ISP plans have been planned & reviewed but the cumulative effect on the river is not really visible.

20.4 Principal Secretary (Environment), Delhi informed that improvement in river water quality was observed till December, 2023. With completion of the ongoing STP's & DSTP's further improvement in water quality of Yamuna river is expected.

**[Action: DJB]**

20.5 Member (Drainage), DJB responded that the work for the required outfall arrangement from 564 MLD Okhla STP to Yamuna river has been awarded & partly completed but presently held up as DJB is yet to receive formal permission from UP Irrigation for completing the required outfall arrangement. However, matter is being perused with UP Irrigation for its resolution. The Chair directed the DJB following the matter with UP Irrigation.

**[Action: DJB]**

20.6 Member (Drainage), DJB responded that the Interceptor Sewer project was designed for trapping of drains, & on the STP capacity front, against the required STP capacity of 792 MGD the installed capacity is 712 MGD. 17 STP's are compliant on 10/10 standards and work on 13 STP's is going on which is likely to be completed by December 2024.

So after completion of these STP's 744 MGD capacity out of total 792 MGD will be on 10/10 standards. Thus there is huge progress on the STP capacity front. The Okhla STP, presently 50 MGD is being trapped which will be increased to full capacity of 124 MGD by end of the month.

**[Action: DJB]**

20.7 The Chair pointed out that the Okhla STP being reported is on downstream of Delhi, so DJB should also brief its plans for improvement in the Delhi stretch of the river Yamuna.

**[Action: DJB]**

20.8 Member (Drainage), DJB responded that augmentation & upgradation of 10 STP's is in progress which will result in upgradation of 240 MGD capacity on 10/10 standards, so

there will be substantial improvement in the quality of river after completion of these projects by December 2024. Remaining 8 STP's are planned to be taken up in AMRUT-II funding, for which a meeting is planned in the following week.

**[Action: DJB]**

## **21. Miscellaneous**

21.1 In the course of meeting, it was noticed that in case of some of the States, no representation at the level CS or Principal Secretary of concerned State was available. The Chair pointed out that without the presence of senior level officers, meaningful review of works was not possible. And therefore, CMC could not take up the review of works in case of States like UT of J&K, Goa, Andhra Pradesh, UT of Lakshdweep, Assam, Mizoram, Meghalaya, Nagaland, Bihar, Jharkhand, Haryana, Madhya Pradesh and Rajasthan.

*The meeting ended with thanks to the Chair.*

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## **Annexure-I**

### **List of participants:**

1. Ms. Debashree Mukherjee, Secretary, DoWR,RD&GR, MoJS – *in Chair*
2. Shri Rajeev Kumar Mital, Director General, NMCG cum Project Director, NRCD
3. Shri Pradeep Kumar Agrawal, Joint Secretary, NRCD
4. Shri Anup Kumar Srivastava, Executive Director (Technical), NMCG
5. Shri Vishal Gandhi, Scientist E, CPCB
6. Shri Rohit Kakkar, Deputy Adviser, MoHUA (Online)
7. Shri. Nelapatla Ashok Babu, Director, NRCD
8. Shri S.K. Srivastava, Scientist-F, NRCD
9. Shri A.P. Singh, Scientist-E, NRCD
10. Dr. Sabita Madhvi Singh, Scientist-D, NRCD
11. Dr. P.N.Rymbai, Scientist B, NRCD
12. Dr. Pravin Kumar, Director-Technical, NMCG
13. Shri Rajat Kumar, Senior Waste Management Specialist, NMCG
14. Shri Ishwer Singh, Consultant (Legal), NMCG
15. Shri Vijay Kumar, Assistant Civil Engineer, NMCG
16. Shri Mahender Singh, Monitoring Expert, NMCG
17. Shri N K Madan, Senior Monitoring Expert, NMCG
18. Shri Rachit Andley, Project Manager, NMCG
19. Mrs. Ruby Raju, Senior Project Engineer, NMCG
20. Ms. Preeti Sinha, Research Associate, NRCD