

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: December 2020

OFFICE MEMORANDUM

Subject: Minutes of the Review Meeting with the officials of Rajasthan and Kerala held on 21.12.2020 with regard to the NGT Matter OA No. 673 of 2018

A copy of minutes of the review meeting held on 21.12.2020 at 03.00 PM under the Chairmanship of Director General-NMCG cum Project Director-NRCD, Ministry of Jal Shakti, to review the progress made by the State of Rajasthan and Kerala in compliance to the directions of Hon'ble NGT in the matter O.A. No. 673 of 2018 is forwarded herewith for information/ necessary action.



(D. P. Mathuria) 21.12.2020
Executive Director -Technical
National Mission for Clean Ganga
uyrb-mowr@nic.in

Encl: As above.

To:

1. Principal Secretary, Forest and Environment Department, Rajasthan 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur, Rajasthan 302004
2. Principal Secretary, Department of Environment, Room No. 406 4th Floor Annex II, Secretariat, Kerala Thiruvananthapuram, Kerala, PIN- 695001
3. The Member Secretary, Rajasthan Pollution Control Board, 4, Jhalana Institutional Area, Jhalana Doongri, Jaipur (Rajasthan) - 302 004
4. The Member Secretary, Kerala State Pollution Control Board, Plamoodu Jn., Pattom Palace P.O. Thiruvananthapuram - 695 004

Copy for kind information:

1. PPS to Secretary, Ministry of Jal Shakti, Shram Shakti Bhavan, Rafi Marg, Sansad Marg Area, New Delhi- 110001
2. PS to Chief Secretary, Government of Rajasthan, Secretariat, Jaipur – 302005
3. PS to Chief Secretary, Government of Kerala, Secretariat, Thiruvananthapuram -695001
4. PS to Director General, NMCG cum Project Director, NRCD
5. PS to ED(P), ED(F)NMCG

Minutes of the review meeting held with Rajasthan and Kerala on 21.12.2020 through Video Conferencing in the NGT matter OA No. 673 of 2018

A meeting was held through Video Conferencing with the officials of Rajasthan and Kerala on 21.12.2020 at 03.00 PM in Conference Room, NMCG under the Chairmanship of Director General, NMCG. List of participants present in the meeting is at *Annexure-I*.

Director General, NMCG welcomed all participants and informed that due to inadequacies and discrepancies in the data being submitted by the two States, a separate meeting is being taken with them for discussing the issues in detail. The States were directed to submit accurate data in their MPRs as the same is being incorporated in the Quarterly Reports being submitted to NGT by NMCG.

Rajasthan

1. Senior Solid Waste Management Specialist, NMCG informed that as per the latest MPR submitted by Rajasthan, there is a sewage generation of around 1500 MLD in the State, for which there exist 72 STPs with treatment capacity of 979 MLD (65% of generation) and having a capacity utilization of 419 MLD (43%). 12 STPs are found to be non-operational and 38 STPs are non-complying to the norms. 72 STPs of 522.70 MLD are also under construction. There are 1428 water polluting industries in the State, of which 1167 industries are having ETPs. There are also 16 CETPs in the State, to which 4618 industries are connected. Of the 16 CETPs, 11 CETPs are complying and 5 are non-complying. The State generates 6500 TPD of municipal solid waste, 100 % door to door collection is being achieved, 947 TPD centralized processing plants are operational and a 450 TPD Material Recovery Facility is existing. Plants of 2337 TPD are under construction and plants of 760 TPD are under planning stage. Further, it was informed that the State has submitted the State Dossier recently on 18.12.2020.

The major issues remain poor utilization capacity of the existing infrastructure, non-functioning and non-compliance of the STPs & CETPs, and incremental progress made with regards to the on-going and proposed projects not bring provided in the MPRs. Projects for establishment of additional solid waste processing plants also need to be expedited. With regards to the 'Kota Sewerage Project' sanctioned for Rs. 149.57 crore in October, 2009 under NRCP, the contract has been terminated (57% progress) and the escalated cost for remaining works is Rs. 258.40 crore, for which clarifications has been provided by the State on 9.12.2020 and are under examination for revision in sanctioned cost. There is an improvement in house service connections, as earlier 43% households were remaining to be connected, which has now reduced to 39%.

2. Executive Director (Technical), NMCG informed that there exists a gap in sewage treatment capacity in many cities across the State, which needs to be filled.
3. Secretary, LSG, Rajasthan informed that 78 STPs with treatment capacity of 996 MLD exist in the State. It was informed that there has been improvement in sewage treatment and solid waste management in the past 2 years and work of STPs and sewer connections is in progress in many cities, which are expected to be completed within the next 2 years

and shall lead to increase in treatment and utilization capacity. There are 70 STPs under construction. Further, the State is awaiting sanctioning of projects under Swachh Bharat Mission 2, FSSM is being explored, and of the 12 STPs said to be non-operational, few STPs are under trial and shall be commissioned shortly. It was agreed that the State Government shall provide details of house sewer connections and their completion timeline within 10 days. With regards to online monitoring, it was informed that the same shall be made operational by January, 2021.

4. Director General, NMCG suggested that STP wise review needs to be done at State Level regularly, especially STPs having utilization capacity less than 50%, and measures to improve the utilization capacity may be taken. Further, house sewer connections and I&D need to be ensured. With regards to a high number of non-complying STPs, it was suggested that the State may undertake condition assessment of the existing STPs, which will help in identifying the issues for non-compliance of the plants. Subsequently, action plan for rectification of the issues needs to be prepared and the State Government should implement the same.
5. Secretary, Environment, Rajasthan informed that as per the latest monitoring reports, 32 existing STPs have been found to be non-complying to the discharge norms.
6. Secretary, LSG, Rajasthan informed that land has been allotted for establishment of solid waste processing facility at Jhunjhunu. For SWMF at Bikaner, contract has been terminated and new tender is to be floated, while for SWMF at Sikar, IL&FS is being persuaded to restart the work.
7. Director (Technical), NMCG informed that subsequent to the last review meeting with the State in October 2020, a letter was sent to the State requesting additional information and their response has been received, which is being reviewed and shall be processed shortly. As there is huge escalation in project cost, therefore the same shall be sent for appraisal by the TPA.
8. Chief Engineer, Rajasthan Pollution Control Board informed that upgradation works of the CETPs is in progress and these shall be completed within a year.

Kerala

1. Executive Director (Technical), NMCG informed that as per the latest MPR submitted by the State, the estimated sewage generation in urban areas is 317 MLD and in rural area is 875 MLD. There are 13 common STPs of 124.145 MLD existing, of which 1 STP of 3 MLD yet to be made functional. These STPs are treating 91.125 MLD (73%) of sewage. 3 common FSTPs of 0.21 MLD are existing, of which 1 FSTP of 0.01 MLD is yet to be made functional. State needs to provide compliance status of these STPs and FSTPs in the MPR. 9 STPs of 32.18 MLD and 4 FSTPs/ Septage plants of 0.4 MLD are under construction or work has been awarded. 26 STPs of 58.26 MLD and 8 FSTPs/ Septage plants of 0.97 MLD are proposed. Many of these projects are retendered many times, probably due to over or under estimation of the DPRs. Even after completion of the projects, a huge gap will remain between sewage generation and treatment in the State. There are 21 rivers identified as Polluted River Stretches (Priority I - 1, IV - 5, V - 15). There are 1401 water polluting industries in the State generating 156.3 MLD of effluent.

5166 ETPs have been installed of which 5146 ETPs are complying. There are 8 CETPs of 124.25 MLD. 64 industrial units are connected to the CETPs. Capacity of the ETPs and compliance status of the CETPs needs to be provided. Kerala generates 3521 TPD of municipal solid waste and 1837 TPD of waste is processed. With regards to the Action Plan for control of coastal pollution, the State is preparing Terms of Reference for engaging the institution for preparation of Action Plan. For reuse of treated water, possibility of utilizing the treated effluent for irrigation, gardening, industries, construction and recharge are being explored. The DPR for tertiary treatment of effluents of STP at Muttathara is ready and in TS stage.

2. Senior Consultant, NMCG informed that as per the NGT order of 26.09.2020, the States were required to submit their respective Action Plans for control of coastal pollution to CPCB by end of November, 2020. However, Kerala is yet to even engage the agency for preparation of their Action Plan.
3. Principal Secretary, Environment, Kerala informed that many of the sewage treatment projects are in proposal stage and these shall be taken-up by the Local Bodies, for which new representatives have now taken over after the recent elections.
4. Member Secretary, Kerala Pollution Control Board (KPCB) presented the status of STPs, FSTPs and industrial pollution in the Polluted River Stretches. With regard solid waste management, it was informed that the State generates 3521 TPD of solid waste, of which 2844 TPD is processed and there is a gap of 677 TPD in treatment. 8 Waste to Energy plants are proposed for bridging the gap. In rural areas, vermin-composting and compost pits are functional. Environmental Compensation is being imposed for defaulting areas. With regard to coastal pollution, KPCB has detailed discussion with Kerala Coastal Zone Management Authority and National Centre for Coastal Research. Survey in 3-4 districts has already been carried out by KPCB for verifying the establishments within 5 kms. landward areas of the coastal zone.
5. Managing Director, Kerala Water Authority (KWA) informed that 70% works of the 5 MLD STP at Medical College, Thiruvanthapuram has been completed and the remaining shall be completed by 15th January 2021. With regards to addressing the pollution of river Karamana, it was informed that one STP of 107 MLD at Muttathara is operational at 70-80% capacity and 116 short term works are being implemented by KWA, out of which 72 works are complete, 35 works are nearing completion and balance 9 works are to be completed within a month. As a part of long term plan, 2 blocks are to be connected to the STP existing at Muttathara and shall be completed within a year. With regards to the additional STP requirement, the same is being taken up under Rebuild Kerala initiative, and 40% of the corporation area not covered under sewerage network shall be covered under the initiative.
6. Principal Secretary, LSG (Urban), Kerala informed that in addition to the 7 Waste to Energy plants in big cities, for the remaining 87 municipalities and 173 adjoining panchayats, a World Bank project is being taken up by the State and the issue of solid waste in Kerala shall be streamlined within 1-2 years. E-waste and hazardous waste management are being dealt separately and the details shall be submitted shortly. It was

suggested that while the Plan for abatement pollution in the coastal zones can exist as a segmented plan, however an integrated plan comprising of solid and liquid waste management for the entire State may be required for implementation and its direct impact on the environment. Further, it was informed that the comprehensive action plan on the matter shall be submitted within two weeks.

7. Director General, NMCG directed the State to submit consolidated report to NMCG after due verification of the data.

The meeting ended with thanks to the Chair.

List of participants

1. Shri Rajiv Ranjan Mishra, Director General, NMCG & Project Director, NRCD- *in Chair*
2. Shri Ashok Kumar Singh, Executive Director (Projects), NMCG
3. Shri D.P.Mathuria, Executive Director (Technical), NMCG
4. Shri Bhawani Singh Detha, Secretary, LSG, Rajasthan
5. Dr. D N Pandey, Secretary, Environment, Rajasthan
6. Dr. Usha Titus, Principal Secretary, Environment, Kerala
7. Shri Biswanath Sinha, Principal Secretary, LSG (Urban), Kerala
8. Shri. Pranabjyothi Nath, Special Secretary, Water Resources, Kerala
9. Shri Pradeep Kumar, Chairman KPCB, Kerala
10. Mrs. Sreekala, Member Secretary, KPCB, Kerala
11. Managing Director, Kerala Water Authority
12. Shri Brijesh Sikka, Senior Consultant, NMCG
13. Shri B.B.Burman, Advisor, NRCD
14. Dr. Pravin Kumar, Director Technical, NMCG
15. Shri Rajat Gupta, Senior Solid Waste Management Specialist, NMCG
16. Shri A.P.Singh, Scientist E, NRCD
17. Chief Engineer, Rajasthan Pollution Control Board
18. Mrs. Ruby Raju, Project Engineer, NMCG
19. Shri Rishabh Choudhary, Support Engineer, NMCG
20. Shri Debarshi Ghosh, Research Associate, NRCD