


**T-03/2016-17/534/NMCG/Phase-II**  
**National Mission for Clean Ganga**  
**Ministry of Water Resources, River Development &**  
**Ganga Rejuvenation**

1<sup>st</sup> Floor,  
Major Dhyan Chand National Stadium  
India Gate, New Delhi-110002  
Dated: 16<sup>th</sup> October, 2017

**OFFICE MEMORANDUM**

**Subject: Minutes of Meeting of Principal Committee in the matter of O.A. No. 06 of 2012 – held on 04.09.2017 at 02.00 PM under the chairmanship of Secretary, MoWR, RD&GR.**

A copy of Minutes of Meeting of Principal Committee held at Conference Room, MoWR, RD&GR on 04.09.2017 at 02.00 PM under the chairmanship of Dr. Amarjit Singh, Secretary, Ministry of Water Resources, RD&GR regarding the Draft River Yamuna Phase II Plan submitted by Delhi Jal Board & Integrated Municipal Solid Waste processing facilities on East bank of Yamuna submitted by East Delhi Municipal Corporation is forwarded herewith for information/necessary action.

  
(D. P. Mathuria)  
Executive Director (Technical)  
Member Secretary, Principal Committee

16.x.2017

Encl: As above.

To,

1. Shri Shashi Shekhar, C – II/155, Satya Marg, Chanakyapuri, New Delhi – 110021
2. Additional Secretary, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi – 110032
3. Joint Secretary (PP), Ministry of Water Resources, RD&GR Shram Shakti Bhavan, Rafi Marg, Sansad Marg Area, New Delhi, Delhi 110001
4. Chief Secretary, GNCTD, Delhi Secretariat, IP Estate, Near Indra Gandhi Indoor Stadium, Delhi - 110002
5. Secretary, Irrigation Department, Govt. of Haryana, Haryana Civil Secretariat, Sector-1, Chandigarh, Haryana
6. Secretary, Irrigation Department, Govt. of Himachal Pradesh, H.P. Secretariat, Shimla-171002
7. Secretary, (UP) Irrigation Department, Babu Bhawan Sachivalya, Government of UP, Lucknow – 226 001
8. Secretary, Irrigation Department, Govt. of Uttarakhand, 4 Subhash Road, Secretariat, Forth Floor, New Building Dehradun, Pin code-248001
9. Secretary, Department of Environment, Govt. of NCT of Delhi, 6<sup>th</sup> Floor, Delhi Secretariat, IP Estate, New Delhi (Fax – 011 23392034)
10. Secretary, Department of Irrigation & Flood Control, Varunalaya Complex (Phase-II), Karol Bagh, New Delhi-110005

11. CEO, Delhi Jal Board, Delhi Jal Board, Varunalaya Complex (Phase-II), Karol Bagh, New Delhi-110005
12. Dr. A. K. Gosain, Professor of Civil Engineering, Indian Institute of Technology Delhi Hauz Khas, New Delhi - 110 016
13. Dr. C.R. Babu, Centre for Environmental Management of Degraded Ecosystems, School of Environment Studies, University of Delhi-110007
14. Dr. A. A. Kazmi, Civil Engineering Department, Indian Institute of Technology Roorkee, Roorkee, Uttarakhand 247667 IIT Roorkee
15. Commissioner, East Delhi Municipal Corporation, 419, Udyog Sadan, Patparganj Industrial Area, Patparganj, New Delhi, Delhi 110096

Copy for kind information to:

1. PPS to Secretary, Ministry of Water Resources, RD&GR Shram Shakti Bhavan, Rafi Marg, Sansad Marg Area, New Delhi, Delhi 110001
2. PS to DG, NMCG
3. PS to ED (Project/Finance/Admin), NMCG

**Minutes of Meeting of the Principal Committee held at Conference Room,  
MoWR, RD&GR**

Meeting of Principal Committee constituted by Hon'ble NGT vide order dated 8<sup>th</sup> August 2017 in the matter OA No. 6 of 2012, was held on 04-09-2017 at Conference Room, MoWR, RD&GR under the chairmanship of Secretary, MoWR, RD&GR. The list of participants is at **Annexure-I**.

Delhi Jal Board (DJB) made a presentation on comprehensive proposal '*Action Plan for River Yamuna Phase –II*' submitted to Hon'ble NGT with a copy to the Principal Committee which included the projects to be under taken by different authorities of Government of Delhi. The present status of on-going sewage management as well as sewer laying and maintenance work being undertaken or proposed by DJB were also presented and discussed. It was informed that DJB is undertaking a number of projects including

- a) Trapping of drains falling directly into River Yamuna
- b) Improvement of existing conveyance system, and
- c) Rehabilitation / augmentation of existing sewerage infrastructure

In addition, a site inspection of River Yamuna from Wazirabad Barrage to Okhla Barrage was conducted by CEO, DJB cum Secretary, I&FC and other senior officers on 07.06.2017 & 08.06.2017 to identify issues as they stand today based on ground realities with regards to the water quality of river Yamuna, zones with sustained solid waste dumping, activities taking place along the river beds up to the adjoining roads/ bunds and inlets falling into the Yamuna along both the left and right banks. Accordingly, an action plan has been prepared by DJB. A copy of presentation is at **Annexure-II**.

A presentation on proposal '*Integrated Solid Waste Management Facility at Gonda Gujran*' by East Delhi Municipal Corporation (EDMC) was also made. A copy of presentation is at **Annexure-III**.

Salient outcome based on the presentation and subsequent discussions are as below:

**A. '*Action Plan for River Yamuna Phase II*' by Delhi Jal board (DJB)**

- i. DJB's on the basis of reconnaissance visit, water quality sampling at 7 locations and silt samples from 9 locations in the river bed has planned sludge management of river Yamuna through variety of measures including mechanical dredging, biological dosing. Secretary, MoWR, RD&GR raised concern over the levels of hexavalent chromium, if any, detected in the samples and suggested that DJB should engage research and medical institutions for studying its impact on public health after correlating with health profile of city's population including impact on ecology and groundwater impact based on baseline data. Based on the

findings, preventive as well as corrective measures including that towards sludge management may be taken for improving the conditions.

- ii. In respect of solid waste management strategies towards floating trash in river, unplanned higher density settlements, ash disposal from crematoriums different agencies viz., I&FC, East, North and South DMCs have been identified and shall be responsible for management.
- iii. Similarly DDA, DJB has been made responsible for work zone management guidelines for all construction related activities in the flood zone of the river, hutments, cowsheds, dhobi ghats, parking and agriculture activities. DDA and DJB shall be responsible for management of water bodies in the flood plains and also elsewhere as per model developed by DJB for Rajokari. Representative from DDA confirmed that the proposal having stake of DDA are in agreement with DDA overall plan.
- iv. From amongst 30 inlets falling into river Yamuna, DJB proposes to manage sewerage in 17 drains (excluding Najafgarh drain already covered in Phase-I) only as balance are not carrying any sewage. Prof A. K. Gosain suggested that instead the proposal should include the complete network of drains (approx 200 in nos) and their sub-drains/ further branching in the city in GIS or appropriate format. Such a detailed map must show the profile of all drains (sewage carrying or otherwise) while identifying those stretches which carry only runoff and those contaminated with sewage with appropriate color codes. In addition, separate layer for information relating to point of interception/ trapping (proposed/ existing), catchment area of each drain again differentiating through color code the contributing areas already trapped and that remaining to be trapped may be prepared. Such map shall be used as base map not only for understanding the status of city sewage management but also monitoring the progress.

DJB informed that a large number of sub-drains continue to be formed due to settlements in new unauthorized colonies with or without limited household connections (presently approx.55%) to sewerage network. This is a major challenge while identifying and depicting the drain status.

It was decided that works be taken up in mission mode with focus on packages with shortfall of 35% or more. Further that an expert team consisting of Prof A.K.Gosain, IITD, Dr. C.R.Babu, DU and CEO DJB shall carry out this exercise within 3-week time.

- v. Under the proposed works towards improvement of sewerage system, DJB informed that Interceptor Sewerage Project have been split into 6 packages and overall progress of work is approximately 86.04% and is expected to be completed by September, 2018. Package - 1 has been commissioned while

progress of package - 2, 3 & 4 is 92%, 78% and 73% respectively and are expected to be completed by March 2018. Package – 5 with 65% progress is expected to be completed by September 2018 and Package 6 with 84% progress is expected to be completed by December 2017.

Chairman raised concerns over the completion timelines considering the present progress status and requested to expedite the work for early completion with a target date of March 2018. DJB agreed to complete the works in mission mode by April 2018. A detailed statement on scope and status of each package, the original time duration, reason for time over-run and revised targeted date of completion is at **Annexure-IV**. In addition decision in respect of following works under improvement of sewerage system is as below.

- a. The committee felt that NMCG should review the technical aspects of the Project '*Improvement of conveyance system in the command of Okhla STP*'. The Committee was informed that work relating to '*Construction of 8 MGD Batla House Ph.-II SPS at Batla House*' is proposed to cater predominantly an unauthorised developed, located within the flood plains of river Yamuna. The work related to conveyance, collection and SPS for pumping of sewage to the STP will require significant amount of time towards its completion.
- b. It was also decided that DJB shall review the timeline of works under the project '*Rehabilitation of Peripheral sewers lines in South and South-west Delhi*' and to submit the same to Member-Secretary of the Committee.
- c. DJB informed the status of the project '*Rehabilitation/ Augmentation of existing sewerage infrastructure under Yamuna action plan – III*'. The financial bid for Package K1, K2 and R2 has been finalised and approval of DJB's Board is awaited. It was felt that progress on Package K3, K4, R1 and O is very slow wherein tenders have been invited. The committee stressed that the work on these package should be expeditiously perused. Secretary directed NMCG to sort out the issues within 3 week period.

**B. '*Integrated Solid Waste Management Facility at Gonda Gujran*' by East Delhi Municipal Corporation (EDMC)**

- i. EDMC informed that east Delhi is a densely populated area having a population density of 37743 persons per sq.km with 2600-2800 MT of average municipal solid waste generation per day. The limited capacity available at solid waste dump site at Ghazipur and considering the future requirement, EDMC requested

DDA to allot suitable piece of land for construction of *Integrated Solid Waste Management facility* with certain portion to be designated at scientifically designed land fill site. DDA has offer 150 acres of land, subject to Hon'ble NGT clearance, falling on left bank and within the flood plain of R. Yamuna near Gonda Gujran.

- ii. It was highlighted that the same proposal has been placed before the Principal Committee earlier, and the observations of the Committee have already been made and there is no further disagreement to the earlier observations. The observations are in agreement with provisions of notification of MoWR, RD &GR dt 7<sup>th</sup> Oct 2016 and Municipal Solid Waste (MSW) Management Rule, 2016, notified under E (P) Act, 1986.
- iii. The Committee recommended that EDMC may explore an alternate location as the proposed site lies within the 10 year flood plain zone of river Yamuna and has potential to create damage to the river ecology/ ecosystem. It was also highlighted that as per the provision of MSW Rules 2016, Schedule-I (A) para (vii), no SLF is allowed to be constructed in active flood plain.
- iv. Further, Secretary MoWR, RD & GR as Chairman of the Principal Committee undertook a field visit to the proposed site for Integrated Solid Waste Management Facility at Gonda Gujran located on left bank of river Yamuna on 7.9.2017. Subsequently 1300 TPD waste to energy plant operating at Ghazipur and 500 TPD construction demolition processing facilities at Shastri Park was visited by Secretary MoWR, RD & GR cum Chairman of the Principal Committee on 9.9.2017.
- v. Based on the field visits, a draft report entitled 'Integrated Municipal Solid Waste Management facilities for East Delhi Municipal Corporation' has been prepared which proposes an integrated plan for management of municipal solid waste being generated for a design period in EDMC area and the report is attached with the MoM.

**C. Submission of Action Plan by the 6 States**

- vi. Executive Director (Tech), NMCG informed that in reference to NGT chamber meeting on 8<sup>th</sup> August 2017, States of Himachal Pradesh, Haryana, NGT of Delhi, Rajasthan, Uttar Pradesh and Uttarakhand were directed to submit state-wise action plan by 4<sup>th</sup> September 2017 to the Tribunal with a copy to Principal Committee. The Committee has received 2 DPRs from Himachal Pradesh, which relates to Sewage Treatment Plants and not the action plan as discussed in the chamber meeting. Representative of Haryana informed that the action plan has

been submitted to Hon'ble NGT and a copy of the same will be provided to Principal Committee within 2 days.

- vii. Chairman along with expert members expressed their displeasure over absence of representative from the State of Himachal Pradesh, Rajasthan and Uttar Pradesh. It was decided that other States may immediately comply with the direction of Hon'ble NGT and submit an action plan immediately.

The meeting ended with vote of thanks.

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**Annex-I**

**List of participants:**

1. Dr. Amarjit Singh, Secretary, MoWR, RD&GR
2. Shri. Shashi Shekhar, Member, Principal Committee
3. Shri. Hitesh Kumar S. Makwana, Executive Director – Projects, NMCG
4. Shri. Keshav Chandra, CEO, Delhi Jal Board & Secretary, DOE, Delhi
5. Prof. A. K. Gosain, IIT Delhi
6. Shri. D. P. Mathuria, Executive Director – Technical, NMCG
7. Shri. Y. P. Singh, Joint Director, MoEF&CC
8. Shri. Ranbir Singh, Commissioner, EDMC
9. Dr. Puneet kumar Goel, Commissioner, SDMC
10. Shri Vivek Pandey, Additional Commissioner, EDMC
11. Shri Sanjay Saxena, SE, I&FC Department GNCT
12. Shri. Pradeep Yadav, SE, Irrigation Department Haryana
13. Shri. Manoj Kumar, EE, Irrigation Department Haryana
14. Shri. Bhupesh Kumar, SJC (PP), MoWR, RD&GR
15. Shri. Sanjeev Arya, CE, DDA
16. Shri. R. R. Sharma, Director, DDA
17. Shri. Chander Bhutia, Director, DDA
18. Shri. Rajeev Verma, Pr. Commissioner (Coordination), DDA
19. Dr. Kalpana Shankar Khurana, Director Landscape, DDA
20. Shri. V. K Gupta, Chief engineer, DJB
21. Shri. Mukul Bhandula, SE, DJB
22. Shri. Ajay Gupta, SE, DJB
23. Shri. S. K. Bhardwaj, SE, DJB
24. Shri. M. C. Ram, EE, DJB
25. Shri. R. S. Megi, Member (Drainage), DJB
26. Shri. R. S. Tyagi, Member (WS), DJB
27. Ms. Mriganika Saxena, Sr. Consultant, DJB
28. Shri Sundeep, Director Technical – II, NMCG
29. Dr. Pravin Kumar, Director – Technical, NMCG