

**K-13011/2/2013-NRCD (Vol II)**  
**Government of India**  
National River Conservation Directorate  
**Ministry of Environment, Forests and Climate Change**

Paryavaran Bhawan,  
CGO Complex, Lodi Road  
New Delhi-110003.  
Dated: 07.04.2015

**Office Memorandum**

**'Maily Se Nirmal Yamuna' Revitalization Project 2017**

The 3<sup>rd</sup> meeting of Principal Committee constituted under the orders of Hon'ble NGT in the matter of Manoj Mishra vs. Union of India & Others in Original Application No. 6 of 2012 and MA Nos. 967/2013 and 275/2014, was held under the Chairmanship of Special Secretary, MoEF&CC on 25<sup>th</sup> March, 2015 in Ministry of Environment, Forest & Climate Change, New Delhi. The minutes of the meeting are enclosed for information and necessary action.



**(Ravi Sinha)**  
**Director**

To,

1. Shri Anuj Kumar Bishnoi, Secretary, Ministry of Water Resources, River Development and Ganga Rejuvenation, Shram Shakti Bhawan, Rafi Marg, New Delhi.(Fax No. 23731553). ([secy-mowr@nic.in](mailto:secy-mowr@nic.in))
2. Shri K. K. Sharma, Chief Secretary, Delhi Administration, Delhi Secretariat, ITO, Delhi-110002 (Fax No. 23392102) (email: [csdelhi@nic.in](mailto:csdelhi@nic.in))
3. Shri Depinder Singh Dhesi, Chief Secretary, 4<sup>th</sup> Floor, Haryana Civil Secretariat, Government of Haryana, Chandigarh (Fax No. 0172-2740317/2740118) (email: [cs@hry.nic.in](mailto:cs@hry.nic.in)), ([dhesids@hry.nic.in](mailto:dhesids@hry.nic.in))
4. Shri P.Mitra, Chief Secretary, Government of Himachal Pradesh, Shimla (Fax No. 0177-2621813) ([cs-hp@nic.in](mailto:cs-hp@nic.in))
5. Shri N.Ravi Shanker, Chief Secretary, Government of Uttarakhand, Dehradun (Fax No. 0135-2712113) ([cs-uttaranchal@nic.in](mailto:cs-uttaranchal@nic.in))
6. Shri Alok Ranjan, Chief Secretary, Government of Uttar Pradesh, Lucknow (Fax No. 0522-2239383). ([csup@nic.in](mailto:csup@nic.in))
7. Shri Balwinder Singh, Vice-Chairman Vice Chairman, Delhi Development Authority, 1st floor, B-Block Vikas Sadan, INA New Delhi.(Fax No. 24623968) ([vcdda@dda.org.in](mailto:vcdda@dda.org.in))
8. Shri Ashwin Pandya, Chairman, Central Water Commission, R.K.Puram, New Delhi. (Fax No. 2610 8855) ([cmanoff@nic.in](mailto:cmanoff@nic.in))
9. Shri Sanjiv Kumar, Secretary (Env), Department of Environment, Delhi. P:23392108; Fax No. 23392034) ([senv@nic.in](mailto:senv@nic.in))

10. Shri Prakash Chandra, Joint Secretary (UD), Government of NCT of Delhi, Delhi; Ph: 23392218
11. Shri T. V. S. N. Prasad, Joint Secretary, Ministry of Water Resources, River Development & Ganga Rejuvenation, MOSS (MTNL Building), 3rd Floor, Rear Wing, 9, CGO Complex, Lodhi Road, New Delhi-110003
12. Shri V.N.Garg, Principal Secretary, Environment, Government of Uttar Pradesh, 601, Bapu Bhawan, Secretariat, Vidhan Sabha Marg, Lucknow-226001. (Fax No. 0522-2237193).
13. Shri Tarun Shridhar, Additional Chief Secretary, Government of Himachal Pradesh, Department of Environment, Science and Technology, Paryavaran Bhawan, Near US Club, Shimla, Himachal Pradesh-171001. (Fax No. 0177-2621154) (revsecy-hp@nic.in)
14. Shri Anurag Ragtogi, Principal Secretary, Department of Environment, Government of Haryana, Chandigarh. (Fax No. 0172-2740825)(fcenviron04@gmail.com).
15. Dr. Ranbir Singh, Principal Secretary (Environment), Government of Uttrakhand, Subhash Road, Secretariat Compound, Dehradun-248001. (Fax +91 135 2712803)
16. Shri A.C.Verma, Secretary, Department of Irrigation and Flood Control, 5/9 Under Hill Road, Delhi. (Fax No. 23957289)
17. Ms Savita Bhandari, AC(LS), Delhi Development Authority, 1<sup>st</sup> floor, B-Block Vikas Sadan, INA New Delhi. Ph : 23370585, (dirlandscape@dda.org.in)
18. Shri R.K.Jain, Commissioner (Planning), DDA, Delhi Development Authority, 1st floor, B-Block Vikas Sadan, INA New Delhi.
19. Shri. Jalaj Shrivastava, Chairman, New Delhi Municipal Council, Palika Kendra, Parliament Street, New Delhi-110001.(Fax No. 23743579) (chairperson@ndmc.gov.in)
20. Shri Vijay Kumar, Chief Executive Officer, Delhi Jal Board, Jhandewalan, Karol Bagh, New Delhi-110005. (Fax No. 23516182).
21. Shri R.S.Tyagi, Member (WS), Delhi Jal Board, Jhandewalan, Karol Bagh, New Delhi-110005.
22. Shri R.M.Dhaul, Member(Dr), Delhi Jal Board, Jhandewalan, Karol Bagh, New Delhi-110005.
23. Shri A.V. Dharma Reddy, Chief Executive Officer, Office of Cantonment Board, Near Sadar Bazar, Delhi Cantt-10. (Fax No. 25695038)
24. Shri Nikhil Kumar, Secretary, NDMC, Palika Kendra, Parliament Street, New Delhi-11
25. Shri Amit Yadav, Commissioner, East Delhi Municipal Corporation, 419 Udyog Sadan Patparganj Industrial Area, New Delhi-110096.
26. Shri Pradeep Khandelwal, Chief Engineer, East Delhi Municipal Corporation, 419 Udyog Sadan Patparganj Industrial Area, New Delhi-110096.
27. Shri Divakar Agrawal (Suptd Engineer), M 11. 13th Floor, MSO Building, I.P.Estate, New Delhi: 110002.

28. Dr. Puneet Kumar Goel, Commissioner (South Delhi Municipal Corporation) South Delhi Municipal Corporation, Dr. S.P.M. Civic Centre, Minto Road, New Delhi – 1100 02. (Fax No. 23225901)
29. Shri Davender Kumar, CE-I, Municipal Corporation of Delhi, Delhi.
30. Shri K.Sambhamurti, Chief Engineer (I&FC), Zone-II, Nandlal Jhuggi, Gopal Pur, Dr Mukherjee Nagar, Mukherjee Nagar, New Delhi- 110009, Ph.- 23864919, FAX: 23861210 E-MAIL: ceifcwest@gmail.com
31. Shri V.K.Jain, Chief Engineer, Zone-II, Nandlal Jhuggi, Gopal Pur, Dr Mukherjee Nagar, Mukherjee Nagar, New Delhi, Delhi 110009. Ph.- 23864919, FAX: 23863702E-MAIL: [ceifcd@gmail.com](mailto:ceifcd@gmail.com)
32. Dr. Pramod Verma, DHO, North Delhi Municipal Corporation, Dr.S.P.M. Civic Centre, Minto Road, New Delhi-110002.
33. Shri P.K.Gupta, Commissioner, North Delhi Municipal Corporation, Dr. S.P.M. Civic Centre, Minto Road, New Delhi – 100 002. Ph: 23225401, Fax: 23225402
34. Prof. C.R.Babu, Professor Emeritus, Centre for Envl Management of Degraded Ecosystems School of Environment Studies, University of Delhi-110007.
35. Prof. Brij Gopal, Ex Prof. (JNU), 41 B, Shiv Sakti Nagar, Jagatpura Road, Jaipur-302017.
36. Prof. A.K.Gosain, Professor of Civil Engineering, Indian Institute of Technology, Hauz Khas, New Delhi-110016.
37. Prof. A.A.Kazmi, Department of Civil Engineering, IIT Roorkee, Roorkee.

Copy for information to: -SS(SS), ADV(BS)

**MINUTES OF THE THIRD MEETING OF PRINCIPAL COMMITTEE  
CONSTITUTED BY HON'BLE NGT IN THE MATTER OF MANOJ  
MISHRA VS. UNION OF INDIA & OTHERS IN ORIGINAL  
APPLICATION NO. 6 OF 2012 AND MA NOS. 967/2013 AND  
275/2014**

As a follow up to the order of the Hon'ble NGT dated 02/03/2015 on the above matter directing to take necessary action in respect of a number of issues related to river Yamuna, the 3rd meeting of the Principal Committee was convened on 25-3-2015 under the Chairmanship of Special Secretary, Ministry of Environment, Forests and Climate Change (MoEF & CC) at 11 a.m. onwards in Indira Paryavaran Bhawan, Jor Bagh, New Delhi. The list of participants is annexed.

The issues discussed and decision taken in the meeting are as under:

**(I) Maintaining Environmental Flow in river Yamuna.**

Shri Manoj Mishra of Yamuna Jiyo Abhiyan made a detailed presentation on the quantum of environment flow required to rejuvenate the river Yamuna and sustain its biodiversity. Quoting some expert recommendations, he suggested that about 70% of normal flow of river Yamuna corresponding to the leanest month (generally December to March) should be released towards environmental flow all the time. Accordingly, he proposed that 2600 cusec of water should be made available at downstream of Hathnikund Barrage. As a measure of implementation, Shri Manoj Mishra proposed that water is to be diverted at Hathnikund through Western Yamuna Canal and Eastern Yamuna Canal only when the water availability is found to be more than 2600 cusec. He also suggested a number of measures, including construction of water reservoir upstream of Wazirabad and all the towns on river Yamuna for collecting and storing water during monsoon and using the same for drinking purpose in the towns during lean

season so that from HathaniKund water release into the river could be ensured during the lean period.

Government of Haryana drew attention of the Committee to the quantum of environmental flow of 10 cumec which had already been decided by an Expert Committee and informed that the water sharing formula among the five riparian states has been frozen through a MoU. Government of Haryana apprehended that such an increase in the quantum of environmental flow at this stage will deprive the states of their genuine water requirement for irrigation, drinking and other purposes.

The Chief Secretary, Delhi opined that need for higher quantum in environmental flow has got scientific logic, but suggested that the proposal of Shri Manoj Mishra should be gone through carefully by all the stakeholders and submit their responses within two weeks taking into account the various factors.

The Chairman stated that the knowledge on environmental flow was not sound earlier and this is still an evolving topic. He expressed the view that 10 cumec of water, if released at Hathnikund will hardly reach Delhi as percolation and evaporation will take place. Prof A .K. Gosain of IIT Delhi also expressed the view that due to very low Ground Water Table, percolation of water through river bed would be substantial. It was explained that there is a growing need for sustaining aquatic biodiversity in Yamuna as a part of its rejuvenation plan requiring adequate and higher quantum of water to be made available in the river. The Chairman concluded that the riparian states have got two options, viz releasing more water into the river from their share or construct reservoirs on the banks of Yamuna for augmenting water supply to the towns so that river can get more e-flow.

Emphasis was also laid on economized and efficient water use, particularly for irrigation purpose which will greatly lessen the burden on the use of river water for irrigation. In this context, it was mentioned that if

the irrigation efficiency can be increased to 55% from the present level of 30%, huge quantity of water could be saved and allowed in the river.

Further, it was emphasized that rain water harvesting be made mandatory for all the households in the towns situated along the river so that it further augments potable water source and to that extent water from Hathnikund could be released in the river.

It was finally agreed that all the stakeholders will go through the presentation of Shri Manoj Mishra and submit their responses within two weeks time.

## (II) **Chirag Delhi Drain**

It was generally agreed that drains should be kept as it is and they should be allowed to serve the purpose of carrying of only surface run-off and not sewage. The South Delhi Municipal Corporation (SDMC) submitted that out of 4.5 kms long Chirag Delhi drain, concretization work has been taken up in a length of 1.57 kms. In support of covering the drain, the SDMC submitted that as sewage is mixed with the drain water, it releases obnoxious and corrosive gases, and complaints had been received from the residents of Greater Kailash. As a preventive measure, the SDMC has taken up the work of covering the drain so that such gases do not escape and adversely impact the residents.

The Committee unanimously agreed that surface run off of the drain should not get mixed with sewage. The Delhi Jal Board informed that in their Sewerage Master Plan, provision of tapping lateral drains carrying sewage is included. However, this will take two to three years time to complete their tapping in the main sewerage system and thus finally delink sewage from the Chirag Delhi Drain.

On the insistence of SDMC that they should be permitted to go ahead with completion of work of sidewalls (and not the top) in the 1.57 kms stretch, it was decided that a three member team comprising of Special Secretary, MoEF & CC, Chief Secretary, Delhi and Prof. A. K. Gosain of IIT,

Delhi will undertake a site visit and accordingly an appropriate decision would be taken.

**(III) Delineation of Flood Plan of Yamuna**

The Government of NCT Delhi (Irrigation and Flood Control Department) informed that they have made necessary maps available to DDA for demarcation of flood plain of Yamuna. Some confusion arose during discussion in the understanding of flood plain demarcation corresponding to 25 years return flood. This was mainly due to existence of Noida Link Road on one side of the river and the Ring Road on the other side. Therefore, the DDA submitted that they would further discuss the matter with Prof Brij Gopal and Shri Manoj Mishra before completing the demarcation in order to obviate any likely flaw in the exercise. The Delhi Government expressed the apprehension that certain built up habitation areas may fall within this newly demarcated zone and may lead to panic among the residents. The Chairman said that the issue of flood plain demarcation and the issue of rehabilitation/reallocation of habitants coming in the flood plain zone have to be addressed separately. First the flood plain zone mapping is to be completed. Thereafter, the question of rehabilitation and reallocation will arise should such a situation be found unavoidable. This will have to be addressed humanely to find out a feasible option depending on various relevant factors and the Hon'ble NGT will be apprised accordingly.

**(IV) Interception of Drains for treatment.**

The NGT order restraining the DJB to execute any further work except completion of the work which is in hand was discussed. The DJB submitted that it needs to continue with execution of sanctioned or ongoing works in order to facilitate conveyance of sewage to the already constructed STPs for treatment. It was further submitted by DJB that completion of these works would be beneficial as far as prevention of pollution in Yamuna is concerned by utilizing full capacity of STPs.

The issues related to inspection/setting up of CETPs, STPs and trapping of drains were also discussed. It was decided that these issues shall be taken up in a separate meeting with officials of Delhi Govt and DJB to be held in the next 1-2 weeks.

## 2.0. **Other Issues:**

2.1 On the issue of prohibition of throwing of any material or waste, including Municipal Solid Waste, into river Yamuna as well as dumping any construction or other debris on the bank of river Yamuna, the Vice Chairman, DDA informed that they are going to install around 100 CCTV cameras and is also contemplating to deploy quick response team. For removal of malba from the river bed, they are in the process of engaging a contracting firm. As far as removal of religious/puja samagris, suitable NGOs are also being selected.

2.2 Regarding creation of Biodiversity Park and Wetlands in the flood plain, the DDA has conveyed a decision taken by the 'Unified Centre for Rejuvenation of River Yamuna' headed by the Lieutenant Governor of Delhi to set up two biodiversity parks and two wetlands on the flood plain of Yamuna under the guidance and stewardship of Prof C. R. Babu.

The DDA was asked to submit an Action plan showing date of commencement of all the activities and their completion time, including the demarcation of flood plain of river Yamuna.

2.3 Regarding the order of NGT directing that the drains which have already been intercepted by DJB and the sewage is being sent to STP does not contain industrial/trade effluent which is injurious to human health, it was decided that a separate meeting in this regard shall be held with officials of Govt of Delhi & DJB exclusively.

2.4. The Chairman stated that the Action Plans ought to be submitted by all organizations as per Hon'ble NGT order by now but, have not yet been received from a number of agencies. They were again requested to submit the same most immediately. Also, the names of Nodal officers for each

organisation/agency had still not been provided to the Principal Committee and needs to be furnished immediately. The Chairman expressed unhappiness and cautioned the agencies that this would be brought to the notice of Hon'ble NGT if the remaining Action Plans are not received quickly.

3.0 The Chairman requested all to submit their response to the proposal of Shri Manoj Mishra on e-flow within two weeks to enable framing a comprehensive response to the Hon'ble NGT. The soft copy of the presentation was sent to all.

The meeting ended with a vote of thanks to the Chair.

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**LIST OF PARTICIPANTS**

**Ministry of Environment, Forest and Climate Change**

1. Shri Shashi Shekhar, Special Secretary - In chair
2. Shri Brijesh Sikka, Adviser, NRCD
3. Shri Ravi Sinha, Director, NRCD
4. Shri B.B.Burman, Director, NRCD
5. Shri S,K,Singh, Dy.Director, NRCD

**Ministry of Water Resources, River Development & Ganga Rejuvenation**

6. Shri H.K.Sahu, Member Secretary, Upper Yamuna River Board
7. Shri Navin Kumar , Chief Engineer, Central Water Commission
8. Shri Vinay Kumar, Chief Engineer, Central Water Commission
9. Shri B.P.Pandey, Director, Central Water Commission
10. Shri Sanjeev Kumar, Assistant Director, Central Water Commission
11. Shri G.Rambabu, Director, National Mission for Clean Ganga
12. Shri R.Ramachandran, National Mission for Clean Ganga

**Govt of National Capital Territory**

13. Shri K.K.Sharma, Chief Secretary
14. Shri Sanjiv Kumar, Secretary, Environment and Forest
15. Dr. A.C Verma, Secretary Irrigation and Flood Control
16. Shri Narendra Kumar, Principal Secretary, Urban Development
17. Shri Divakar Agrawal SE, M II, PWD, Delhi
18. Dr. Anil Kumar, Director (Environment), Govt of Delhi
19. Dr. S D Singh, CEO, Delhi Parks and Gardens Society, Delhi
20. Shri K. Sambhamurti , Chief Engineer(Irrigation & Flood Control), Zone-II, Delhi
21. Shri V.K. Jain , Chief Engineer,( Irrigation & Flood Control), Zone II, Delhi
22. Shri Mukesh Kumar, E.E(Irrigation & Flood Control )

**State Governments**

23. Shri Anurag Rastogi, Principal Secretary(Environment), Haryana
24. Shri Rajeev Verma, Chief Engineer, Haryana Irrigation Department
25. Dr. Mahesh Sharma, Executive Engineer, IPH Circle, Nahan, Himachal Pradesh
26. Shri Yogesh Kumar, Consultant, HP Power Corporation, Ltd
27. Shri Lal Ji Rai, Sp. Secretary, (Forest & Environment). U.P

28. Shri Vinod Singhal, Member Secretary.S, UP Pollution Control Board
29. Shri Praveen Kumar, UP Pollution Control Board, Greater NOIDA
30. Shri Bhuvan Yadav, UP Pollution Control Board, Greater NOIDA
31. Shri Utsav Sharma, UP Pollution Control Board, Greater NOIDA
32. Shri A.K.Sharma, SE, Irrigation Department, Meerut
33. Shri Ravinder Singh Yadav, Executive Engineer, UPID
34. Shri S.P Singhal, Executive Engineer I&P (W.R) Meerut
35. Shri Durn Kumar, AE,UP Irrigation Department

#### **Delhi Development Authority**

36. Shri Balwinder Singh, Vice Chairman
37. Smt. Savita Bhandari, Additional Commissioner

#### **Delhi Jal Board**

38. Shri Vijay Kumar, CEO
39. Shri R.S.Tyagi, Member (WS)
40. Shri B.M.Dhaul, Member (Drainage)
41. Shri Pawan Kumar
42. Shri V.K.Babbar, Technical Adviser

#### **Municipal Corporations**

43. Shri T.R.Meena, North Delhi Municipal Corporation
44. Shri Puneet Kumar Goel, Commissioner, South Delhi Municipal Corporation
45. Shri Mahesh Rastogi, SE, South Delhi Municipal Corporation
46. Dr. A.K Rawat,DHO, North Delhi Municipal Corporation
47. Shri Deepak Khosla, South Delhi Municipal Corporation
48. Shri S.Dodra SE, North Delhi Municipal Corporation
49. Pradeep Khandelwal CE, East Delhi Municipal Corporation
50. Shri Amit Yadav,Commissioner, East Delhi Municipal Corporation

#### **Experts**

51. Prof A.K.Gosain, Prof, IIT Delhi
52. Prof A.A.Kazmi, Prof, IIT, Roorkee
53. Dr.Brij Gopal, Ex-Prof JNU
54. Shri C.R.Babu, Prof Emeritus, School of Environmental Sciences, DU, Delhi

#### **Others**

55. Shri Manoj Kumar Mishra, Yamuna Jiye Abhiyan