

DELHI POLLUTION CONTROL COMMITTEE
DEPARTMENT OF ENVIRONMENT, GOVT. OF NCT OF DELHI
5th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-110006
visit us at : <http://dpcc.delhigovt.nic.in>

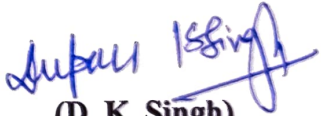
F. No. DPCC/WMC-II/MPR/OA 673/2020/6030-6051

Dated: 16.06.2021

Sub : Minutes of the 5th Meeting of Chief Secretary to Monitor/Review the progress in respect of Action Points / various Projects of RRC Action Plan held through Video Conferencing at 3:00 PM on 23.03.2021.

Please find enclosed here with Minutes of the 5th Meeting of Chief Secretary to Monitor/Review the progress in respect of Action Points / various Projects of RRC Action Plan held through Video Conferencing at 3:00 PM on 23.03.2021 in compliance to the directions of the Hon'ble National Green Tribunal dated 06.12.2019, 29.06.2020, 21.09.2020 & 22.02.2021 in OA No. 673 / 2018 in the matter of News item published in 'The Hindu' authored by Shri Jacob Koshy titled "More river stretches are now critically polluted: CPCB".

All the Departments/Agencies are required to take urgent necessary action as mentioned in said Minutes and send the Action Taken Report to DPCC at Email: dpcc.wmc2@gmail.com and also send the hard copy of the **Action Taken Report to DPCC by 30.06.2021**.


(D. K. Singh)

SEE & Incharge (WMC – II)
DPCC

Enclosure: As Above

To,

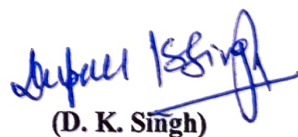
1. The Vice Chairman, Delhi Development Authority, Vikas Sadan, INA, Delhi-110023.
2. The Chairman, New Delhi Municipal Council, Palika Kendra Building, Parliament Street, Delhi-01.
3. The Additional Chief Secretary, Urban Development Department, Govt of NCT of Delhi, 9th Level, Delhi Secretariat, I.P. Estate, Delhi - 110002.
4. The Principal Secretary, Public Works Department, 5th Level, Delhi Secretariat, I.P.Estate, Delhi-02
5. The Pr. Secretary (Revenue) cum Divisional Commissioner, 5 Sham Nath Marg, Delhi-54.
6. The Commissioner, South Delhi Municipal Corporation (SDMC), 9th Floor, Dr. S.P.M Civic Center, JLN Marg, New Delhi – 110002.
7. The Commissioner, North Delhi Municipal Corporation (NDMC), 4th Floor, Dr. S.P.M Civic Center, JLN Marg, New Delhi-110002
8. The Commissioner, East Delhi Municipal Corporation (EDMC), 419, Udyog Sadan, Patparganj Industrial Area, Delhi-110092

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9. The Chief Executive Officer, Delhi Cantonment Board (DCB), Delhi Cantt. Sadar Bazaar, New Delhi-110010
10. The Chief Executive Officer, Delhi Jal Board, Varunalaya Ph-II, Jhandewalan, Karol Bagh, New Delhi-110005
11. The Commissioner of Industries, Govt. of NCT of Delhi. 419, Udyog Sadan, FIE Patparganj, Delhi-110092.
12. The Managing Director, Delhi State Industrial & Infrastructure Development Corporation Ltd. N-36, Bombay Life Building, Connaught Circus, New Delhi - 110001
13. The Secretary, Irrigation & Flood Control Department (I&FC), Govt. of NCT of Delhi, L. M. Bundh, Shastri Nagar, Delhi - 110031.
14. The Secretary - Cum -Commissioner, Development Department, Govt. of NCT of Delhi 5/9, Under Hills Road, Delhi-110054
15. The Principal Chief Conservator of Forest, Forest Department, Govt. of NCT of Delhi, A Block, Vikas Bhawan, I.P.Estate, Delhi-110002.
16. Concerned District Magistrates (11 Revenue Districts of Delhi)
17. Member Secretary, Wetland Authority for Delhi, 6th Level, Delhi Secretariat, I.P. Estate, Delhi – 110002
18. Director (Environment), Govt. of NCT of Delhi,

Copy for information to:

1. The Member Secretary, DPCC
2. Staff Officer to Chief Secretary, Govt. of NCT of Delhi, 5th Level, Delhi Secretariat, I.P. Estate, Delhi – 110002
3. PA to Additional Chief Secretary (Environment), 7th Level, Delhi Secretariat, I.P. Estate, Delhi – 110002
4. PA to Principal Secretary (Environment) Cum Chairman, DPCC.



(D. K. Singh)

SEE & Incharge (WMC – II)
DPCC

Minutes of the 5th Meeting of Chief Secretary, Delhi, held at 3:00 PM on 23.03.2021 through Video Conferencing to Monitor/Review the Progress in respect of Action Points / Projects of RRC Action Plan w.r.t Orders of Hon'ble NGT Dated 06.12.2019, 29.06.2020, 21.09.2020 & 22.02.2021 in OA No. 673 / 2018 in the matter of News item published in 'The Hindu' authored by Shri Jacob Koshy titled "More river stretches are now critically polluted: CPCB".

The meeting was taken by Addl. Chief Secretary (Env. & Forest) on behalf of Chief Secretary, GNCTD.

Officers from various Organizations including Delhi Jal Board, Delhi Development Authority, DSIIDC, Irrigation and Flood Control Department, Local Bodies, Environment Deptt., DPCC and other Departments attended the meeting.

Addl. Chief Secretary (Env. & Forest) welcomed the participants and asked the Member Secretary, DPCC to make a presentation for review of the progress in respect of Action Points / Projects related to control of Pollution in river Yamuna.

Member Secretary, DPCC, informed that in compliance to the orders of Hon'ble NGT, Monthly Progress Reports of Delhi are being sent to Ministry of Jal Shakti & CPCB regularly. Member Secretary, DPCC made a Power Point Presentation on various Action Points / Projects related to control of Pollution in river Yamuna for reviewing the progress including Action Taken Report w.r.t. previous meeting held on 09.02.2021 and the same is briefed below :

Action Taken Report w.r.t. Previous Meeting held on 09.02.2021 :

Action Taken Report w.r.t. previous meeting held on 09.02.2021 was briefed.

1. Rehabilitation of STPs :

It was informed that Out of 6 Projects of Delhi Jal Board, Tree cutting permission has been granted in respect of 5 projects. Regarding Tree cutting permission for remaining one project i.e. rehabilitation of STPs at Kondli, it was informed by the Member Drainage, DJB that revised proposal for grant of permission for cutting/ transplantation of 826 trees (initial proposal was for 1142 trees) is ready however they could not apply due to some problem in the portal of Forest Deptt. They will submit the revised proposal to Forest Deptt. soon for getting permission for cutting/transplantation of trees.

After detailed deliberations, it was decided that DJB will expedite the matter and submit the revised proposal for Tree cutting permission to Forest Department within 2 weeks.

(Action by : Delhi Jal Board)

2. Sewage Management – STPs, Septage and Drains :

A. Sewage Treatment :

Regarding comparing the estimated data of quantum of sewage generation, capacity of STPs and treatment with the 4-5 Mega / Metropolitan Cities in India, it was informed by the Member Drainage, DJB, that they could compare the data of Delhi with Bangalore only. Sewage generation in Delhi is 3273 MLD whereas in case of Bangalore it is 730 MLD. Treatment capacity of STPs in Delhi is 2715 MLD (83 %) whereas in case of Bangalore it is 488 MLD(66%). Percentage utilization of treatment capacity is 2432 MLD (89.6%) in Delhi and 440 MLD (90.2%) in Bangalore. It was also informed that Mumbai, Chennai & Kolkatta are Coastal Cities and not comparable with Delhi. In case of Mumbai mostly treatment is upto primary level and disposal of the treated effluent is into sea.

It was decided that DJB will compare the data regarding estimation of quantum of sewage generation, capacity of STPs and treatment in Delhi with other major cities (Pune, Indore, Kolkatta Mumbai & Chennai) within 15 days.

(Action by : Delhi Jal Board)

B. STPs: Non Compliance of Prescribed Standards :

It was informed that as per the Analysis Reports of DPCC Water Laboratory, out of 35 Operational STPs of DJB only 8 were complying with the new prescribed standards of BOD / TSS : 10/10 mg/litre. 12 STPs designed for old standards are being upgraded for new prescribed standards and in respect of remaining 16 STPs budget of about Rs 2700 Crores has been sought from the Govt.

Regarding comparing the performance of STPs in Delhi w.r.t prescribed standards with 4 - 5 Mega /Metropolitan Cities in India, it was informed by the Member Drainage, DJB that Performance comparison could not be done since required Data / information in respect of other Mega /Metropolitan Cities in India is not available on CPCB website.

It was decided that DJB will compare the performance of STPs in Delhi w.r.t prescribed standards with other major cities (Pune, Indore, Kolkatta Mumbai & Chennai) within 15 days.

(Action by : Delhi Jal Board)

C. Up-gradation of 12 STPs :

It was informed that out of 12 STPs under upgradation, in case of Yamuna Vihar (Ph-II) tender is proposed to be issued by May, 2021 and work is expected to be completed within one and half year from the date of issue of tender (i.e. by . Work is in progress at Kondli (Ph-I, II, III) [Timeline-December, 2022 (55.66 % progress)] and Rithala(Ph-I) [Timeline - December, 2022 (42.20 % progress)]. Gap is progressively been closed.

D. Progress in New Construction Projects of STPs :

In place of existing 3 STPs of 10 MGD each at Coronation Pillar a new STP of 70 MGD is being constructed at Coronation Pillar [Timeline - June, 2021 (85 % progress)]. 50% plant to be commissioned by 31.03.2021 and 100% by 30.06.2021.

In place of existing 4 STPs (Phase I to IV) at Okhla with total capacity of 124 MGD a new STP of 124 MGD is being constructed at Okhla [Timeline - December, 2022 (27.85 % progress)].

Regarding rest of the 16 STPs out of 35 operational STPs in Delhi, it was informed by Member Drainage, DJB that due to heavy cost involved (about Rs. 2700 Crore) in upgradation of these STPs, Alternate economic feasible technologies are being worked out to improve the performance of STPs. Coagulant dosing (PAC, Ferric Chloride, etc.) will be started by June, 2021. Floating Aerators will be provided/ repair of diffusers will be done to increase aeration. Disc filters will be provided to improve the quality of effluent in respect of BOD & TSS. First Stage of such measures shall be reviewed by October, 2021 and Second Stage by December, 2021. Government has to include these technologies.

After detailed deliberations, it was decided that DJB will provide details of the alternate economic feasible technologies being worked out to improve the performance of STPs and Progress of STPs under rehabilitation/ new construction within 30 days.

(Action by : Delhi Jal Board)

E. 56 Decentralized Sewage Treatment Plants (DSTPs) :

Member Drainage, DJB informed that they are pursuing the matter with DDA & Revenue Department regarding allocation of land for Decentralised STPs at various locations in Delhi.

After detailed deliberations, it was decided that DJB will pursue the matter with DDA and Revenue Department for allocation of land for DSTPs within 2 weeks.

(Action by : Delhi Jal Board)

F. Trapping of Major Drains :

It was informed that out of 18 major drains outfalling into river Yamuna, 13 have been trapped, 3 are partially trapped and 2 are untrapped. Regarding Interceptor Sewer Project (ISP) it was informed by Member Drainage, DJB that ISP stands completed and ready for commissioning. Provision has been made to intercept all 242 MGD. About 170 MGD

is being treated out of provision made for 242 MGD. Entire flow shall be treated by December, 2022 after construction/ rehabilitation of Coronation Pillar, Rithala and Kondli STP.

It was informed by Member Drainage, DJB that land has been allotted by DDA to DJB at the mouth of Mori Gate and Barapulla Drains for the proposed STPs however cost of the land (about Rs. 150 Crore) is much more than the cost of land given earlier to DJB for its STPs. DJB is pursuing the matter with DDA to reduce the cost of land.

Regarding Maharani Bagh drain it was informed that Timeline of trapping balance flow (15 MLD) has been squeezed to 31.12.2021 from 30.04.2022.

After detailed deliberations, it was decided that DJB will provide timelines for completion of proposed STPs at the mouth of Mori Gate & Barapulla Drains and take up the matter with DDA regarding cost of the Land within 15 days.

(Action by : Delhi Jal Board)

G. Sewerage Network in Unsewered Areas:

As decided in the previous meeting on 09.02.2021, DJB has provided timelines for completion of work of providing sewerage network in unsewered/ unauthorised colonies.

It was informed that Sewer line laid and notified in 561 Unauthorised Colonies, Work of sewer network is in progress in 595 Unauthorised Colonies, NOC is awaited/O Zone in 131 Unauthorised Colonies (Sewerage Network shall be provided about 3 years after receipt of NOC/clearance from DDA) and in case of 512 Colonies sewerage network is to be laid along with Decentralized STPs. It was also informed that notification shall be issued in respect of 75 Unauthorised Colonies by April, 2021.

After detailed deliberations, it was decided that DJB will complete all the work of providing sewerage network in unsewered/ unauthorised colonies by December, 2023 and squeeze the timelines by 6 months in various types of cases.

(Action by : Delhi Jal Board)

H. Faecal Sludge Management:

It was informed that 208 tankers/vehicles have been authorized by DJB and 100 more are proposed to be authorized for collection of Septage to STPs/ SPS. On an average 6 to 7 lakh litres of septage per month is being collected and treated at the STPs of DJB. 48.35 Crore Litres of Septage was treated by DJB upto 28.02.2021.

After detailed deliberations, it was decided that action taken reports of District Magistrates will be updated and circular will be issued by Divisional Commissioner for expediting the action against violators (Detection of illegal Tankers carrying septage and action against the Unauthorised Tanker owners found discharging septage into Drains/ Land) within 15 days.

(Action by : Revenue Department)

I. In-situ Bioremediation/ Phytoremediation of Sewage in Drains:

It was informed that out of 10 Drain Owning Agencies, only 5 have submitted their action plans to the Integrated Drain Management Cell (IDMC). Action Plan has not been received from 5 Drain Owning Agencies (North DMC, PWD, IFCD, NTPC & DSIIDC). It was also informed that meetings of IDMC are held regularly & progress regarding preparation of action plan etc. and related issues are being reviewed by IDMC.

Various drain owning agencies (North DMC, SDMC, DDA etc.) informed regarding progress w.r.t. preparation of Action Plan for Bio-remediation/ Phyto-remediation of drains. Representatives of DMCs mentioned about the constraint of funds for Bio-remediation/ Phyto-remediation of drains and informed that they have approached CPCB for the funds. They have also submitted their clarifications / revised project proposals w.r.t. comments / queries raised by CPCB.

Representative of North DMC informed that estimated cost for bioremediation of 192 Drains is Rs. 53.5 Crores. A Pilot project has been initiated at Qudsia park drain [350 meter at the estimated cost of Rs. 25 Lakh) and the same will be completed within 4 months. They will submit their Action Plan to IDMC within a week. Representative of SDMC informed that IIT Delhi has provided design/estimate for Pushp Vihar Nallah (1.9 Km) and estimated cost is Rs.

214.39 Lakh. This will be processed subject to availability of funds with SDMC. Representative of PWD informed that they have about 2000 km of drains and given consultancy to Delhi Technological University (DTU) for their 2 Pilot Projects at Chatrasal Stadium and Chattarpur. DTU has carried out survey and submitted report to PWD. They will submit their Action Plan to IDMC by 2nd week of April, 2021. Representative of DDA informed that Action Plan has been submitted to IDMC. Out of 11 projects related to construction of Wet Lands 5 have been completed and remaining 6 will be completed by May, 2021.

Representative of DSIIDC informed that In-situ Bioremediation/ Phytoremediation is not feasible in their storm water drains which are covered and having less than 3 meter width. It was also informed that DSIIDC had written a letter to DJB for according permission for connecting their storm water drains to the conveyance system of DJB in the Industrial Areas having CETPs. But DJB had replied that the storm water drains cannot be connected to the conveyance system of CETPs as the same is not designed to accommodate the waste water of storm water drains. DSIIDC has sent another letter to DJB to reconsider their request and accord permission so that the flow of untreated waste water into river Yamuna could be prevented. Member Drainage, DJB informed that the matter is under consideration and permission may be accorded with condition that (i) One Chamber shall be provided to arrest the solids to avoid choking of the conveyance system (ii) In rainy season flow from the storm water drains shall not be allowed to join the conveyance system to avoid flooding and necessary measures like sealing of the entry point shall be taken in this regard.

After detailed deliberations, it was decided that Drain Owning Agencies will expedite preparation of action plan & execution of work. DSIIDC to hold a meeting with DJB and resolve the issue of connecting their storm water drains to the conveyance system of DJB in the industrial areas having CETPs within 15 days.

(Action by : Drain Owning Agencies, DSIIDC & DJB)

3. Rejuvenation of Water Bodies :

It was informed that 191 Brief Documents & 278 Action Plans have been received in respect of 1033 Water Bodies in Delhi. Pendency of receipt of Brief Documents and Action Plans in respect of various Departments was briefed. 724 Brief Documents & 754 Action Plans are yet to be received from DDA. Besides DDA, Brief Documents on water bodies are also awaited from Revenue Department (104), DJB (6), CPWD (4), North DMC (2), Delhi Wakf Board (1) & DUSIB (1).

Representatives of Revenue Department and North DMC informed that Brief Documents and Action Plans shall be submitted within a week. Representative of CPWD informed that Brief Documents and Action Plans shall be submitted within two weeks. Representative of DDA informed that a Committee has been constituted for Rejuvenation of Water Bodies. Joint survey of water bodies was conducted and report has been received in respect of 162 water bodies. It was informed that many of the water bodies can not be rejuvenated. Member Drainage, DJB informed that DJB is to rejuvenate 155 Water Bodies. Work is in progress in 46 Water Bodies and will be completed by December, 2021.

After detailed deliberations, it was decided to expedite and submit Brief Documents & Action Plans to Wetland Authority of Delhi and execute the work of rejuvenation of Water Bodies as per the timelines given in the Action Plans. DDA to submit remaining Brief Documents & Action Plans within two months. Wetland Authority of Delhi to write letters to CPWD, Delhi Wakf Board & DUSIB to submit Brief Documents within two weeks.

(Action by : Land Owning Agencies Having Water Bodies, DJB & Wetland Authority of Delhi)

4. Protection of Flood Plain of River Yamuna and Prevention of Encroachment by DDA :

It was informed that Demarcation of 1 in 25 years Flood Plains & Fixing up of Bollards and Fencing have been done. Out of 96, 81 CCTV cameras have been installed and remaining 15 CCTV cameras shall be installed by 15.04.2021. Out of 1026 Jhuggies / Chappar (in Okhla, Khijrabad & Jogabai areas) 600 have been removed by DDA. 150 Jhuggies could not be removed due to stay by Courts. Remaining Jhuggies are proposed to be removed in due course. **After detailed deliberations, it was decided that DDA will remove remaining 276 Jhuggies (except those which have been stayed by the Courts) within a month.**

(Action by : Delhi Development Authority)

5. Utilisation of Treated Wastewater

It was informed that Action Plan for use of treated wastewater from STPs has been prepared by DJB and submitted to CPCB in compliance of Hon'ble NGT Orders in OA No. 148/2016. Out of 535 MGD of treated wastewater from STPs, presently only 90 MGD is utilized for various purposes (Horticulture, Irrigation, DTC Depot etc.). 267 MGD is discharged into river Yamuna as return flow. DJB has proposed to use additional 276 MGD of treated waste water from STPs by December, 2022 (46 MGD in Artificial Water Bodies, discharge of 70 MGD treated waste water of Coronation Pillar STP at Palla, 20 MGD at Auchandi & Jaunti Regulator and Exchange of 140 MGD treated STP Water with raw water with UP). By December, 2022, total installed capacity of STPs will be 707 MGD out of which 366 MGD will be used for various purposes as mentioned above and 267 MGD will be discharged into river Yamuna as return flow.

It was informed by DJB that treated water from STPs is available free of cost at the various STPs. As per the orders of the Hon'ble NGT in OA No. 6/2012, Manoj Mishra Vs Union of India & Ors., treated water from STPs is to be used in the parks within 5 Km of the STPs. Hon'ble NGT vide order dated 25.02.2021 in OA No. 386/2017 in the matter of "Rear Admiral A P Revi IN (Retd.) Vs Delhi Jal Board & Ors." has also directed that fresh water is not to be used for gardening in public parks by the DDA, Municipal Corporations and other Agencies instead only treated water is to be used.

It was informed that Local Bodies, DDA, PWD, DSIIDC etc. are yet to submit their action plan to DJB regarding utilisation of treated STP water.

Following information has been received from the DMCs regarding use of treated waste water :

North DMC:

- 401 out of total 6085 parks are being irrigated using treated STP water / water tankers.
- Rs. 195.64 Crores have been sought from MoHUA for laying pipeline from DJB STPs as per DPR of WAPCOS Ltd to irrigate 5100 parks.

EDMC:

- 1338 out of total 2097 parks are being irrigated using Treated DJB STPs water and 444 parks are being irrigated using treated water from the EDMC ETPs
- 100-150 KLD treated water is being utilized at WTE at Ghazipur & C&D Plant at Shastri Park.

SDMC:

- 134 out of total 6822 parks are being irrigated through treated STP water /water tankers.
- 220 Parks are to be irrigated by 15 STP/ETPs by 31.05.2021
- Rs. 74 Cr. sought from MoHUA for laying pipeline from DJB STPs as per DPR of WAPCOS Ltd to irrigate 4672 parks.

It was also informed that 1064 Bore wells have been sealed by the District Magistrates in the parks in compliance of the orders of Hon'ble NGT in OA No. 6/2012, Manoj Mishra Vs Union of India & Ors.

After detailed deliberations, it was decided that all the concerned Departments will submit their Time bound Action Plan for use of treated water from STPs to DJB within 15 days . Concerned District Magistrates to expedite the action for closure/ sealing of the borewells in the parks etc. used for horticulture purpose and seal the remaining Borewells. DMCs/ Local Bodies, DDA & other Park Owning Agencies to submit details regarding Total No. of Parks , Source of water etc.in the Format enclosed.

(Action by : DMCs/ Local Bodies / DDA / PWD/ DSIIDC /DJB etc. & DMs)

All the concerned Departments / Authorities shall take necessary action for completion of their Projects / Action Points within the timeline as mentioned in the Action Plan for Rejuvenation of River Yamuna in Delhi, submitted to CPCB and provide updated Information & Monthly Progress Report in the Revised Format of NMCG by 10th of every month.

Meeting ended with a vote of thanks to the Chair.

Format for Information regarding Borewells and Use of Treated Water in the Parks

S. No	Name of Department/ Agency	No. of Parks	Borewells		Quantum of Water Required for Gardening (in KLD)	Source of Water		Mode of Supply of Treated Water			Quantum of Treated Water Used		Remarks
			Sealed (Nos)	Not Sealed (Nos)		Borewells (Nos)	Treated Water from STPs / Other Sources	Tanker	Pipe	Other	Gardening (in KL)	Bulk use (in KL)	

Date:

Signature :
 Name :
 Designation :
 of Nodal Officer with seal