NGT MATTER

By Special Messenger / Email

DELHI POLLUTION CONTROL COMMITTEE
DEPARTMENT OF ENVIRONMENT, GOVT. OF NCT OF DELHI
3rd FLOOR, IT PARK BUILDING, SHASTRI PARK, DELHI -110053
visit us at : http://dpcc.delhigovt.nic.in

F. No. DPCC/WMC-II/MPR/OA 673/2020/3503-3506 **Dated:** 19/12/2024

To,

The Secretary,
Ministry of Jal Shakti, Govt. of India,
Shram Shakti Bhawan,
New Delhi- 110001

Subject – Monthly Progress Report of Govt. of NCT of Delhi for the Month of November, 2024, w.r.t Orders 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 Khoshy Titled "More river stretches are now critically polluted: CPCB"

Sir,

Please find enclosed herewith Monthly Progress Report of Govt. of NCT of Delhi, on the basis of inputs received from the agencies concerned, in the Format of NMCG for the **Month of November, 2024** w.r.t Orders 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 Khoshy Titled "More river stretches are now critically polluted: CPCB".

1st Monthly Progress Report of Govt. of NCT of Delhi was submitted vide letter dated 14.02.2020 & last Monthly Progress Report for the month of October, 2024 was submitted vide letter dated 05.12.2024.

Yours Sincerely,

Enclosure: As Above

(Dr.K.S.Jayachandran)
Spl. Secy (Env) cum
Member Secretary, DPCC

Copy to:

1. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi-110032.
2. The Staff Officer to Chief Secretary, 5th Floor, Delhi Secretariat, I.P. Estate, Delhi-110002
3. PS to Chairman, DPCC.

(Dr.K.S.Jayachandran)
Spl. Secy (Env) cum
Member Secretary, DPCC

National Mission for Clean Ganga
Format for Submission of Monthly Progress Report in the NGT Matter OA No. 673 of 2018 (in compliance to NGT order dated 24.09.2020)

For the State of NCT of Delhi

Monthly Progress Report of Govt. of NCT of Delhi for the Month of November, 2024

Overall Status of the State:

I. Total Population: Urban Population & Rural Population separately

	Population as per Census in 2011 (in Lakh)	Population in 2024 (Approx. Estimated) (in Lakh)
Urban Population	163.68899	215
Rural Population	4.19042	
Total	167.87941	215

II. Estimated Sewage Generation (MLD) : 3600 MLD (792 MGD) (80 % of 990 MGD Water Supply)

III. Details of Sewage Treatment Plant:

- Existing No. of Operational STPs of DJB : **39** STPs (at 20 Locations)
- Installed Treatment Capacity of 38 Operational STPs : **3237 MLD (712 MGD)**
  (Excluding New Okhla STP of 124 MGD Capacity which is under Trial Run)
  (89.9 % of estimated sewage generation**)**
- Capacity Utilization of existing STPs **: 2712 MLD** (**596.6 MGD)**
  (83.8 % of Treatment Capacity)
- MLD of sewage being treated through Alternate technology : Nil

• Gap in Treatment Capacity • Gap in Treatment	: **363.7 MLD (80 MGD)** [792 – 712 MGD] **(10.1 %)** **: 888.3 MLD** (195.4 MGD) [792 – 596.6 MGD] **(24.7%)**
• No. of Operational STPs	: **39 (**Refer Annexure-1)
• No. of Complying STPs	: **16** w.r.t. Standards prescribed by DPCC (BOD/TSS: 10/10 mg/l)
• No. of Non-complying STPs	**: 20** (Letters are issued regularly to DJB for taking rectification measures to meet the prescribed standards). Sample was not taken in case of New Okhla STP of 124 MGD Capacity since it is under Trial Run and commissioning. 02 STPs (Okhla Phase II and Okhla Phase III) are partially closed and samples were not taken from these two STPs.
	Following 12 STPs (Total 270 MGD Capacity) are designed for BOD : TSS 10 :10 mg/l **1.** Pappankalan Phase II (20 MGD) **2.** Nilothi Phase II (20 MGD) **3.** Delhi Gate Phase II (15 MGD) **4.** Kapashera (5 MGD) **5.** Chilla (9MGD) **6.**Common Wealth Games Village (1 MGD) **7.** Coronation Pillar New STP (70 MGD) **8.** Kondli STP Phase-I (10 MGD) **9.** Kondli STP Phase-II (25 MGD) **10.** Kondli STP Phase-III (10 MGD) **11.**Kondli STP Phase-IV (45 MGD) **12.** Rithala Phase I (40 MGD). **Standards prescribed by DPCC** for STPs of DJB in Delhi as per the directions of CPCB (More Stringent than prescribed by MoEF&CC) : *(i) pH - 6.5 - 9.0 (ii) TSS ≤ 10 mg/l (iii) BOD ≤ 10 mg/l (iv) COD ≤ 50 mg/l (v) Ammonical Nitrogen ≤ 5mg/l (vi)Total Nitrogen (N-Total) ≤ 10 mg/l (vii) Phosphate (PO_4 - P)≤ 2 mg/l(viii) Fecal Coliform(FC) (MPN/100ml) < 230*

- **Sewage Treatment Capacity Augmentation Plan of Delhi to meet the Gap and Accommodate future Increase in Sewage Generation:**

  Govt. of NCT of Delhi is primarily working on following 4 Sectors for augmenting the sewage treatment capacity in Delhi and details are given in following Table:

  (i) Rehabilitation of existing 3 STPs at Kondli Ph-II , Rithala Ph-I and Yamuna Vihar Ph –II (Work of Rehabilitation completed in Rithala Phase I and almost near completion in case of Kondli Phase II & Yamuna Vihar Phase II).
  (ii) Upgradation and increasing capacity of remaining 18 existing STPs
  (iii) Construction of 3 New STPs at Okhla, Delhi Gate and Sonia Vihar
  (iv) Construction of 40 DSTPs [26 DSTPs at various locations of Delhi and 14 DSTPs in Najafgarh Drainage Zone]

Rehabilitations of existing STPs and construction of New STPs/DSTPs

[Treatment Capacity of 712 MGD of 38 STPs (excluding New Okhla STP which is under Trial Run in Nov, 2024]

S.No	Name of STP	Capacity Addition (in MGD)	Timelines
	Sewage Treatment Plants		
1	**Okhla (New STP) of 124 MGD Capacity (Under Construction)** Physical Progress : **97.80 %** Progress in November, 2024 : 0.1 %	**30**	**December, 2024** Liquid line has been started from 29.12.2023 and presently about 205 MLD of raw sewage is being treated. The plant is under trial run and commissioning.)
2	**Sonia Vihar (New STP) of 7 MGD Capacity (Under Construction)** Physical Progress : **99.5 %** Progress in November, 2024: Nil	**07**	**December, 2024** (Earlier Timeline Sept,2023) The plant is under trial run.
3	**Delhi Gate (New STP) of 10 MGD Capacity** (Land to be allotted by DDA / MOHUA DDA/ MoHUA has allotted the land however yet to be handed over to DJB).	**10**	12 Months after allotment of land from DDA / MoHUA
4	**Kondli Phase- II of 25 MGD Capacity** Physical Progress: : 97.90 % Progress in November, 2024 : Nil Liquid line started on 24.06.2023.	**-**	**December, 2024** (Earlier Timeline June, 2023) (Under Test and Trial run & included in 712 MGD capacity)
5	**Rithala Phase – I of 40 MGD Capacity (Under Rehabilitation & Up-gradation)** Physical Progress : 100 % Progress in November, 2024 : 0.81 %	-	Completed
6.	**Yamuna Vihar Ph-II (From 10 MGD to 15 MGD, Under Rehabilitation & Up-gradation, Presently in operation with 15 MGD Capacity)** Physical Progress : 97% Progress in November, 2024 : Nil	**05*** (already included in 712 MGD capacity)	Revised Time Line to be informed by DJB (Earlier Timeline Sept. 2023)
	Total Addition in Capacity of STPs	**47 MGD***	

Status of 40 New Proposed Decentralised Sewage Treatment Plants (DSTPs) [92MGD]		
A. 26 DSTPs of total Capacity of 60 MGD		
24 DSTPs (Land already allotted)		38 DSTPs (87 MGD) – By December, 2026 02 DSTPs (5 MGD) – Land yet to be allotted by DDA / Revenue Department
Two DSTPs [Land is yet to be allotted for Proposed DSTPS at Nayabans & Maidan Garhi (Rajpur Khurd)]		
B. 14 DSTPs in Najafgarh Drainage Zone of total Capacity of 32 MGD		
14 DSTPs (Land already allotted)		
C. Up-gradation / Augmentation of Remaining 18 Existing STPs of total Capacity of 113.5 MGD	**113.5**	December, 2026
(i) Addition by March, 2025	65	
(ii) Addition by December, 2025	18.5	
(ii) Addition by December, 2026	30	
Grand Total Capacity by December, 2026	**712 + 252.5 =964.5MGD#**	

Total Capacity of STPs by December, 2024 - 749 MGD [712 MGD + 37 MGD]

Total Capacity of STPs by March, 2025 - 814 MGD [712 MGD + 102 MGD]

Total Capacity of STPs by December, 2026 - 964.5 MGD [712 MGD + 252.5 MGD]

 # Will be sufficient to treat the sewage of 924.8 MGD (80% of 1156 MGD Water Supply) in future.

All the STPs (existing as well as new) with total capacity of 964.5 MGD are targeted to achieve standards prescribed by DPCC i.e BOD / TSS: 10/10 mg/l by December, 2026.

Details of Each Existing STP of Delhi Jal Board in Delhi

S. No.	Location	Existing STP Capacity	Capacity Being Utilized	Operational Status of STP	Compliance Status of STP
	Details of Each Existing STP of Delhi Jal Board in Delhi and Compliance status for the month of **November**, **2024 is at Annexure-1**				

Details of Upgradation / Augmentation of Existing 18 STPs of DJB are at **Annexure-2**

Details of Proposed STPs of Delhi Jal Board in Delhi

S. No.	Location	Capacity of STPs proposed (in MGD)	Status of Project (at DPR Stage/ Under Tendering/ Work to be Awarded)	Likely Date of Completion
1.	26 Decentralized STPs at various locations in Delhi (Earlier 42)	60	• Requirement of land reassessed • No. of DSTPs reduced from 42 to 26 • Land allotted at 24 locations • For balance 2 DSTPs proposed at Nayabans & Maidan Garhi (Rajpur Khurd) matter is being pursued with land owing agencies (DDA / Revenue Deptt.). • At one location of Naya Bans, part of land is allotted and for balance matter is being pursued with land owning agencies. Tenders are being invited for DSTPs /STPs where land has been allotted.	Out of 40 DSTPs, Land has been allotted in case of 38 DSTPs. For 32 DSTPs tenders have been received / invited/ being invited. Out of balance 8, estimate for 6 DSTPs are under approval/ preparation. As per the latest guidelines,

2.	14 (9+5) STPs in Najafgarh Drainage Zone	32	• The work of 9+5 DSTP has been rescinded. The scheme under 9+5 DSTP has been reframed to accommodate the maximum nos. of unauthorized colonies in the 12 parcels of land already in possession of DJB. • The status of construction of DSTPs and laying of sewer line is as under : • The work of laying of 3 GOC i.e. Khera Dabar , Kair GOC & Goyla Vihar has been completed. The work of laying of Sewer lines in 08 GOCs of Jafarpur, Galibpur Sarangpur, Kazipur, Shikarpur, Kanganheri, Mitraon and Dichaon is in progress. • Tender for laying of Sewer lines in 1 GOC Hasanpur has been received and is under process of award. This work is under Amrut 2.0 funding. • Tenders for construction of DSTPs at 7 locations are being re-invited and at 5 locations, where land is available, have been invited and are under process of approval. • Land for construction of DSTP for Tajpur Khurd & Tikri kalan GOC have been taken over by DJB on 21.06.2024 and 01.07.2024. Estimates for both GOCs are being prepared.	AA & ES for these estimates are to be approved by UD Deptt. / EFC /GoM as per the cost. Land for balance 2 DSTP is yet to be allocated by DDA/ Revenue deptt. and expected to be completed within 18 months after award of work.

Status of Interceptor Sewer Project (ISP) of Delhi Jal Board

Total flow to be trapped	Provision of trapping made during the month of Oct., 2024	Cumulative Status as in November, 2024 Provision of trapping made	Time line for completion of work	Remarks
1100.86 MLD **(242 MGD)**	-	1082 MLD **(238 MGD)**	Completed	YMC has got an independent assessment done through a team consisting of Sh. R.S Tyagi former Member (Dr) DJB and Prof Singh, Head of Department of Environmental Engineer, Delhi Technical University. Said team has confirmed that sewage trapping part of ISP has indeed been completed. However, treatment of 242 MGD of sewage as planned will take place after construction / rehabilitation of Rithala & Kondli STP.

Status of Sewerage Network in Unauthorized Colonies (As provided by DJB)

Sl. No	Status	Commutative Status (As on 30.11.2024) (No.)
1	No. of Unauthorized Colonies where Sewer line laid	**1210**
2	No. of Unauthorized Colonies where sewer line work in progress	**187**
3	No. of Unauthorized Colonies where work is in Estimate /Tender / Award stage.	**245**
4	No. of Unauthorized Colonies where NOC is awaited from (Forest/ASI/ UD Deptt.)	**107**
5	No. of Unauthorized Colonies where sewer line will be laid after handing over	**33**

	possession of land for 2 DSTP	
6	No. of Unauthorized Colonies Not Traceable / Not existing	**10**
7	No. of Unauthorized Colonies Cancelled by UD Deptt.	**02**
8	No. of Unauthorized Colonies in which laying of sewerage network is Not Feasible	**05**
	Total	**1799**

Sewage and Faecal Sludge Management (Septage Management)

Delhi Water Board Septage Management Regulation 2018" were notified by the Urban Development Department, GNCTD on **12.11.2018 (published in Gazette on 21.11.2018)** and necessary action is to be taken by Delhi Jal Board, District Magistrates and Local Bodies / Municipal Corporations as per the provisions of the said Notification.

Urban Development Department, GNCTD has issued "Delhi Water Board Septage Management (Amendment) Regulation, 2024" on 13.03.2024 including following amendments in the existing Regulations :

1. (a) Penalty for deposit of septage by unauthorized (unlicensed) entities shall be Rs. 50,000/- plus confiscation of vehicle.

(b) Penalty for disposal of Septage at places other than the designated places by authorized licensee shall be Rs. 50,000/- per violation.

(c) Penalty on a person who uses the services of unlicensed vendors/vehicles for discharging the septage shall be Rs. 10,000/- per violation.

2. An officer not lower than the rank of Naib Tehsildar in DM offices, JE in DJB/I&FC, Sub Inspector in Delhi Police and Sanitary Inspector in CD shall be competent to impose penalty.

Installation of GPS System - Each Vehicle used for transportation of septage shall be fitted with GPS device and access rights of the movement data shall be given to the Delhi Jal Board for tracking of such vehicles.

Brief of septage (Septic Tank Effluent) collected & treated in November, 2024 is given in following Table :

No of Vehicles Authorised by DJB	No. of Functional SPSs for collection of septage from vendors	Septage collected & Treated in November, 2024	Cumulative Septage Treated by DJB (**As on 01.12.2024**)
164	**86**	**3.88 Crore Litres**	**227.1 Crore Litres**

On an average about 13 Lakh liters septage per day was collected and treated at STPs of DJB in November, 2024.

Tapping of Drains:

There are 22 drains which are out falling into river Yamuna in the Delhi and brief is as follows:

9 Drains have been tapped, 02 Drains (Delhi Gate Drain & Sen Nursing Home Drain) are Partially Tapped.

- 02 Drains (Najafgarh & Shahdara) are large drains and technically not feasible to tap whole drain however these drains are included in the Interceptor Sewer Project where substantial flow of sub-drains under their command areas has been / will be tapped and treated after tapping of sub drains.
- In case of remaining 09 Drains, Flow is yet to be tapped / diverted to Sewer / STPs for treatment.

- Information about 22 Drains out falling into River Yamuna in Delhi, their Water Quality in November, 2024 and proposed action for tapping of flow in 9 drains is at **Annexure - 3.**

IV. Details of Industrial Pollution [Industries/Units in 28 Approved Industrial Areas (Planned Industrial Areas) in Delhi] (As per the Consent Records of DPCC) (As on 30.11.2024):

- No. of Industries / Units in 28 Approved Industrial Areas : 29823
- No. of Industries / Units in 17 Approved Industrial Areas (out of 28 Approved Industrial Areas) connected with 13 CETPs : 26404
- No. of Industries / Units in 11 Approved Industrial Areas (out of 28 Approved Industrial Areas) not having CETPs (Having Individual ETPs). : 3419
- No. of Water Polluting Industries / Units in 28 Approved Indl. Areas : 1411
- No. of Water Polluting Industries/ Units in 17 Approved Indl. Areas (out of 28 Approved Indl. Areas) connected with 13 CETPs : 1111
- No. of Water Polluting Industries/ Units in 11 Approved Indl. Areas (out of 28 Approved Indl. Areas) not having CETPs (Having Individual ETPs) : 300
- Quantity of Effluent generated from the Industries / Units in 28 Approved Indl. Areas (Excluding White Category Industries/Units, Shops & Other Establishments not requiring Consent from DPCC) : 32.79 MLD
- Quantity of Effluent generated from the Industries / Units in 17 Approved Industrial Areas (out of 28 Approved Indl. Areas) Not having CETPs (Excluding White Category Industries/Units, Shops & Other Establishments not requiring Consent from DPCC) : 25.89 MLD
- Quantity of Effluent generated from the Industries / Units in 11 Approved Industrial Areas (out of 28 Approved Indl. Areas) Not having CETPs (Excluding White Category Industries/Units, Shops & Other Establishments not requiring Consent from DPCC) : 6.90 MLD
- Quantity of Hazardous Waste generated from the Industries in TPD (including CETPs) : 11.67 TPD
- Number and total capacity of ETPs (details of Existing/ Under Construction / Proposed) : 1411 ETPs
- Compliance Status of the ETPs : -
- Number and Total Capacity of CETPs (Details of Existing/ Under Construction / Proposed) : Existing CETPs–13(List at **Annexure-4**) Capacity – 212.3 MLD (Utilization – **71.341 MLD (33.6 %**) Under Construction/Proposed – Nil

Redevelopment Areas

Besides 28 Approved Industrial Areas, there are 26 Areas Notified for Re-development (non-conforming clusters of industries for redevelopment) by the Industries Department, Govt. of NCT of Delhi. Details regarding no. of industries/units in these 26 redevelopment areas are not available. Most of the industries/ units in these areas are dry and there is not much water polluting industries / units in these Redevelopment Areas. List of 26 Redevelopment Areas Notified for Re-development has already been provided through Monthly Progress Report of August, 2023.

These Redevelopment Areas are lacking infrastructural facilities which are to be developed as per the norms for redevelopment of clusters of Industrial Concentration in Non-Conforming Areas as given in point no. 7.6.2.1. of MPD- 2021. The redevelopment scheme of these unplanned Industrial Areas will have to be prepared by the concerned local body / land owning agency in consultation with the Society (to be formed by the land owners). Accordingly, the redevelopment of these 26 industrial areas is to be done by concerned local body/landowning agency.

Status of Compliance and Operation of the CETPs

Town	No. of Industries/ Units (in 28 Approved Industrial Areas)	Industrial Discharge	Status of ETPs	Status of CETPs (Existing, Under Construction &Proposed)
Delhi	29823	32.79 MLD	-	Existing – 13 CETPs List along with Compliance Status of November, 2024 is at **Annexure-4** Under Construction / Proposed - **Nil** Complying - 11 Not Complying – 2 (Bawana CETP & Narela CETP)
				Brief of Action Taken by DPCC against CETPs in the past is as follows : ● Environmental Compensation (Total EC Amount of Rupees 19.10 Crores) has been imposed by DPCC on the 11 CETP Societies and 2 Operators of CETPs at Narela & Bawana from time to time for violations / not meeting the prescribed standards in the past. ● Letter issued to concerned District Magistrates for recovery of the said amount of Environmental Compensation on 27.10.2021, 12.01.2022 in Year 2023 also. ● CETP Societies of Okhla, SMA, Mayapuri, Mangolpuri, GTK Road, Naraina, Jhilmil & Lawrence Road (Total 8 Cases) filed Writ Petition in the High Court of Delhi against the Directions issued by DPCC regarding imposition of Environmental Compensation and cases are at various stages. ● Letters are issued regularly to the concerned CETP Societies based on the Effluent Analysis Reports of DPCC Lab for taking necessary action to ensure that CETPs meet the prescribed standards.

Common Effluent Treatment Plants (CETPs)

All the existing 13 CETPs are being monitored by DPCC Laboratory on monthly basis and Analysis Reports are placed on the website of DPCC and also conveyed to the CETP Societies / Operator of CETPs for rectification of the deficiencies, if any, to meet the prescribed standards. Sufficient treatment capacity (212.3 MLD) is available with existing 13 CETPs for management of industrial effluent generated from 17 approved industrial areas. The units which are operational in Non-CETP Industrial Areas have individual waste water treatment facilities (ETP etc). All the 13 CETPs are having Online Continuous Effluent Monitoring System (OCEMS) for measuring the pH, TSS, BOD & COD at the outlet of the CETPs. OCEMS are connected to the servers of DPCC and CPCB.

DSIIDC had engaged CSIR-NEERI vide letter dated 05.11.2019 for providing consultancy w.r.t various issues related to CETPs including up gradation of CETPs.

NEERI carried out Overall Performance Evaluation of all the 13 CETPs in Delhi and Draft Integrated Report titled "Status, Gap Analysis and Suggestions for Improvement and Upgradation in existing 13 CETPs of Delhi" submitted to DSIIDC on 16.03.2022.

In view of the Order dated 27.01.2023 of Chief Secretary, GNCTD issued w.r.t NGT Order dated 09.01.2023 in OA No. 21 / 2023, Out of 13 CETPs, 02 CETPs at Narela and Bawana were to be upgraded by DSIIDC and Rest 11 by DJB after taking over of these 11 CETPs from the concerned CETP Societies.

Govt. of NCT of Delhi vide Notification dated 01.01.2024 had given powers in respect of 11 CETPs presently being operated and maintained by CETPs Societies to DJB however the said Notification regarding taking over of these CETPs by DJB from the concerned CETPs Societies has been quashed by Hon'ble High Court of Delhi and Industries Department of Govt. of NCT of Delhi is taking further necessary action in the matter.

As informed by DSIIDC, work of Upgradation of CETPs at Narela & Bawana has been completed.

V. Solid Waste Management:

- Total Number of Urban Local Bodies (ULBs) and their Population : 3 [MCD, NDMC & DCB] Total Population – About 2.15 Crores
- Current Municipal Solid Waste Generation : **11342 TPD**

(Status of Solid Waste Management including Legacy Waste in Delhi is given at **Annexure-5)**

S. No.	Particulars	Information
1.	Number, Installed Capacity and Utilization of Existing MSW Processing Facilities in TPD (Bifurcated by type of processing e.g.Waste to Energy (Tonnage and Power Output), Compost Plants (Windrow, Vermi, Decentralized, Pit Composting), Biomethanation, MRF etc.	• **Total Capacity of Existing MSW Processing Facilities (Including MRFs) - 8173 TPD (72.06%)** • **Total MSW Processing (Fresh MSW + MRFs) - 6951 TPD (61.3 %)** • Disposal through Compost Pits (257 No) - 558 TPD • Recycling through 176 MRFs (Capacity) - 322 TPD • **Gap in MSW Processing Capacity - 3169 TPD (27.94%)** • Gap in MSW Processing - 4390.97 TPD (38.71%) • Capacity of 4 Existing WTE Plants - 6550 TPD • (Power generation capacity – 84 MW) • One Operational Centralised Compost Plant - 700 TPD [200 TPD at Okhla Closed due to up-gradation into Bio-CNG plant of 300 TPD] • 20 Decentralized Composter Plants of 1 TPD each - 20 TPD
2.	Action Plan to bridge gap between Installed Capacity and Current Utilization of Processing Facilities (if Gap > 20%)	Not Applicable since installed capacity of Existing MSW Processing Facilities in Delhi is being utilized (More than 80 % Capacity utilization)
3.	No. and capacity of C&D Waste Processing Plants in TPD (Existing, Proposed and under construction)	• Existing operational C&D Waste Processing Facilities - 5 Capacity - 5150 TPD • Proposed New C&D Waste Processing Facilities - 1 Capacity - 1000 TPD

		Existing operational C&D Waste Processing Facilities are located at (i) Jahangirpuri (Burari) (2000 TPD) (ii) Rani Khera (1000TPD) (iii) Shastri Park (1000 TPD) (iv) Bakkarwala (1000 TPD) (v) Rani Khera (Mundka of DMRC) (150 TPD) **Proposed C&D Waste Processing Facility (One No):** One C&D Waste Processing Facility of 1000 TPD Capacity is proposed by earmarking 7 acres of reclaimed land at SLF Okhla. This will cater 2 zones (Central & South). The bids have been received and after completion of technical evaluation, the financial bid opened on 30.10.2024 and is under evaluation.
4.	Total No. of Wards, No. of Wards having Door to Door Collection Service, No. of Wards practicing segregation at source	**No. of Wards** - 272 [MCD-250, DCB-08 & NDMC-14 Circles] **Door to Door collection** in all wards and circles of MCD, NDMC & DCB. **Segregation of Waste** : • NDMC-100% (in all 14 Circles) & > 90% segregation at Source • DCB - 90% in Civil Pockets & 70 % in Army Pockets (100 % segregation at source by Dec, 2024) • MCD - 58 % (Average) Timelines for segregation : 65% by Feb., 2025, 75 % by Aug., 2025, 85% by Feb., 2026 & 90 % by Aug., 2026 • No. of Zero Waste Colonies / Institutes – 519 (Colonies - 480 + Institutes – 39).
5.	Details of MSW Treatment Facilities proposed and under construction (No., Capacity and technology)	Proposed Waste Processing & Disposal Facilities in Delhi is given at **Annexure -5**
6.	No. and Area (in Acres) of uncontrolled garbage dumpsites and Sanitary Landfills.	Name of Dumpsite: Dumpsite Area in Acres (As per Drone Survey in June, 2022) Ghazipur Dump Site: 75.08 Bhalaswa Dump Site: 78.47 Okhla Dump Site: 62.74
7.	No. and Area (in Acres) of Legacy Waste within 1 km buffer of both side of the rivers	Nil
8.	No. of Drains falling into rivers and no. of drains having floating racks/screens installed to prevent solid waste from falling into the rivers:	22 Drains out falling into river Yamuna. I&FC Department has provided Floating Rafters in its 2 major Drains (Najafgarh & Shahdara Outfall Drains) to prevent solid waste falling into the river.

Status of ULB wise Management of Solid Waste .

Please Refer **Annexure – 5** (Existing & Proposed Municipal Solid Waste Processing Facilities in Delhi)

VI. Bio-medical Waste Management:

- Total Bio-medical Waste Generation **: 31.201 TPD**
- No. of Hospitals and Health Care Facilities : **10974**
- No. of Beds with HCEs : **61581**
- Status of Treatment Facility/ CBMWTF : Treatment & Disposal through existing 2 CBMWTFs

There are following 2 CBMWTFs having Capacity of 62.8 TPD for collection and Treatment of the Bio-medical waste generated from the Health Care Establishments in Delhi:

1. M/s Biotic Waste Solutions Pvt. Ltd., 46-47, SSI Industrial Area, G.T. Karnal Road, Delhi -33
2. M/s SMS Water Grace BMW Pvt. Ltd., Nilothi Sewage Treatment Plant Complex of DJB, Nilothi, Delhi -41.

Both the CBMWTFs are having Incinerators, Autoclaves & Shredders for the treatment of Bio Medical Waste collected from the Health Care Establishments in Delhi and have installed Air Pollution Control System and Online Monitoring System. Bio-medical Waste including Covid – 19 waste is being dealt as per the provisions of the Bio Medical Waste Management Rules, 2016 and Guidelines issued by CPCB from time to time.

VII. Hazardous Waste Management:

- Total Hazardous Waste Generation : 4260.587 MT/year (11.67 TPD)
- No. of Industries generating Hazardous Waste : 2714
- Treatment Capacity of all TSDF
  (There is only one TSDF in Delhi at Bawana) : 178 TPD (Secured Landfill)
  54.79 TPD (Landfill after Treatment / Stabilisation)
  12 (Incineration)

Average Quantity of Hazardous Waste reaching TSDF : 20.857 TPD in November, 2024.

- **TSDF for Hazardous Waste at Bawana :**

Common Hazardous Waste, Treatment, Storage & Disposal Facility (TSDF) has been developed at Bawana in Delhi. Consent to operate under the Air & Water Acts and Authorisation under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 have been issued by DPCC to the Project Proponent on 04.03.2022 for Secured Land Fill (SLF), Incinerator and Associated Activities. TSDF is in operation.

VIII. Plastic Waste Management:

- Total Plastic Waste generation : 1105 TPD (About 9.7 % of Total MSW)
- Processing of Plastic Waste : 858 TPD (77.6 %)
- Gap in Processing : 247 TPD (22.4 %)
- Registration under the Plastic Waste Management Rules, 2016 (as amended) issued to 2199 units as briefed below:
  - Producers : 320
  - Importers : 1445
  - Brand Owner : 15
  - Plastic Waste Processor : 419

IX. Details of Alternate Treatment Technology being adopted by the State/UT:

In-situ Bioremediation / Phytoremediation of Sewage in Drains:

- Integrated Drain Management Cell (IDMC) headed by Chief Secy, GNCTD has been constituted vide order dated 17.03.2020 issued by Urban Development Department, Govt. of NCT of Delhi pursuant to the order dated 05.03.2020 of Hon'ble National Green Tribunal in OA No. 06/ 2012 in

the matter of Manoj Mishra Vs. Union of India & Ors, for remediation and management of all drains of Delhi.

- IDMC is having members from all the Drain Owning Agencies (DOAs).
- Meetings of IDMC are held and 19 Meetings have been held so far. Last meeting (19th) of IDMC was held on 11.11.2024 and minutes of the meeting are enclosed as **Annexure – VI.**
- DOAs have submitted / are submitting their Action Plan with time line subject to availability of fund.
- IDMC is also taking action w.r.t directions of the Hon'ble High Court of Delhi in the order dated 08.04.2024 & subsequent orders passed in WP(C) No. 9617/2022 in the matter Court on its own Motion Vs Govt. of NCT of Delhi & Ors regarding Flooding in Delhi.

X. Identification of Polluting Sources including Drains contributing to river pollution and action as per NGT order on in-situ treatment:

Refer Information provided at **IX** regarding In-situ Bioremediation / Phytoremediation of Sewage in Drains.

Prevention of Dumping of Solid Waste in Drains:

Directions issued by Chief Secretary vide order dated 09.01.2019 and Urban Development Department, GNCTD vide order dated 15.01.2019 for prevention of the dumping of solid waste in the drains are to be complied by all the Drain Owning Agencies in Delhi. The matter is being coordinated by the Urban Development Department, GNCTD.

XI. Details of Nodal Officer appointed by Chief Secretary in the State / UT:

- Chief Secretary, GNCTD is taking meetings regularly with the concerned departments to review the progress w.r.t. various projects and matters related to control of pollution in river Yamuna in Delhi including below mentioned NGT cases.
- Vide order dated 09.01.2023 in OA. No. 21/2023 in the matter of Ashwani Yadav Vs. Govt. of NCT of Delhi (Now being dealt in O.A. No. 06 of 2012 in the matter of "Nizamuddin West Association Vs. Union of India and Ors"), Hon'ble NGT has constituted a High Level Committee (HLC) of concerned authorities in Delhi with the Chief Secretary, Delhi, as Convener; and consisting of Secretaries / HODs of various Ministries/ Departments.
- High Level Committee has prepared Department wise detailed Action Plan for Rejuvenation of river Yamuna including Nodal Officer for each project after its first meeting on 20.01.2023 and submitted to Hon'ble NGT on 31.01.2023.

XII. Details of Meetings carried under the Chairmanship of Chief Secretary in the State / UT:

The matter related to control of pollution in river Yamuna is being monitored by Chief Secretary through various meetings e.g. meetings of Integrated Drain Management Cell (IDMC), Meetings on the Interceptor Sewer Project (ISP) and Meetings related to above mentioned NGT cases related to control of pollution and rejuvenation of river Yamuna in Delhi including above mentioned order dated 09.01.2023 in OA. No. 21/2023 in the matter of Ashwani Yadav Vs. Govt. of NCT of Delhi (Now being dealt in O.A. No. 06 of 2012 in the matter of "Nizamuddin West Association Vs. Union of India and Ors").

Meetings of High Level Committee were held on 20.01.2023, 14.02.2023, 14.03.2023, 21.04.2023, 09.06.2023, 10.08.2023, 10.10.2023, 10.01.2024, 20.02.2024 & 23.07.2024 w.r.t above mentioned NGT Case and Department wise detailed Action Plan for Rejuvenation of river Yamuna has been submitted to Hon'ble NGT on 31.01.2023.

Status Reports were also filed in the aforementioned matter before the Hon'ble National Green Tribunal on 31.01.2023, 05.07.2023, 16.10.2023, 21.12.2023 & 12.02.2024.

XIII. Latest Water Quality of polluted river, its tributaries, drains with flow details and ground water quality in the catchment of polluted river :

Water Quality of River Yamuna at 8 Locations for the samples collected by DPCC Water Laboratory in the Month of November, 2024 is at **Annexure- 7.**

Water Quality of major Drains for the samples collected by DPCC Water Laboratory in the Month of November, 2024 is at **Annexure-8.**

Ground Water Quality nearby Ghazipur Dumpsite, Bhalswa Dumpsite, Okhla Dumpsite & Bawana Engineered Landfill was monitored by DPCC Laboratory on 1st / 2nd May, 2024 and Copy of the Analysis Reports have already been submitted vide Monthly progress reports of July to October 2024.

XIV. Ground Water Regulation:

Ground water extraction and management in NCT of Delhi is regulated as per the provisions of the Notification Dated 12.07.2010 issued by Environment Department, Govt. of NCT of Delhi.

The issue of illegal extraction of ground water is being overseen by Hon'ble NGT in OA No 25/2019 (Abdul Farukh Vs GNCTD and Ors). The said matter deals with closure of 19661 illegal bore wells as per the list submitted by DJB to Hon'ble NGT. As per the decision taken by the Chief Secretary, GNCTD, Revenue Department is sealing the illegal bore wells based on the lists provided by DJB. DPCC has already imposed Environmental Compensation (EC) based on the formula devised by CPCB for illegal extraction of ground water for different purposes.

Out of list of 19661 illegal Borewells provided by DJB, 11364 illegal Borewells have been sealed by Revenue Deptt. Environmental Compensation of Rs. 70.649 Crore has been imposed by DPCC on 18520 Units. Environmental Compensation received by DPCC is Rs. 70.20 Lakh till 15.11.2024.

XV. Good Irrigation Practices being adopted by the State:

Not applicable in case of NCT of Delhi since there is very less Agricultural Land available however Farmers are being made aware of the following good irrigation practices for water conservation by Development Department, Govt. of NCT of Delhi :-

1. Farmers are being advised to adopt inter-cropping and multiple-cropping to get maximum returns per unit of area and per unit of time with optimum use of water.
2. Farmers are being advised to grow crop which requires less water.
3. Farmers are being advised to adopt Sprinkler and drip irrigation system to irrigate their crops for conservation of water.
4. Farmers are being advised to use water, as per crop-wise prevailing package of practices to conserve water.
5. Farmers are being advised to conserve rain water, by adopting deep ploughing and bunding etc. of their fields for conservation of water.

XVI. Rain Water Harvesting:

Progress of Rain Water Harvesting System installed / monitored by DJB (As on 30.11.2024)

S. No	Departments	Total	Installed	Target to be installed upto 31.12.2024	Not Feasible	Remarks
1.	DJB Installations	594	594	0	0	
2.	By DJB for other Departments	89	89	0	0	
3.	Monitored by	3598	2543	674	381	The Status Report

	DJB for other Government Departments					has been submitted as per data provided by the other departments of GNCTD.
4.	Schools	4892	4371	183	338	
	Total	**9173**	**7597**	**857**	**719**	

They need to be kept in operational state by the agency concerned.

XVII. Demarcation of Floodplain and Removal of Illegal Encroachments:

(i). Demarcation of 1 in 25 years Flood Plains & Fixing up of Bollards and Fencing :

The demarcation of 1 in 25 years flood plain of River Yamuna pertains from Wazirabad to Jaitpur on both banks. 100% work for demarcation of flood plains completed. 591 Bollards (marked with GPS Coordinates), 375 Flag Posts & 27 sign boards for the entire stretch from Wazirabad barrage to Jaitpur have been installed.

(ii). Engagement of Private Security to stop illegal Dumping:

369 Security Guards have been deployed by DDA round the clock in three shifts at vulnerable points, with 3 patrolling vehicles in the Yamuna Flood Plain area from Wazirabad Barrage to Okhla Barrage to check illegal dumping of melba and to prevent encroachment. GPS monitoring of security guards & patrolling vehicles is being done.

(iii). Installation of Electronic Surveillance System:

90 No. CCTV cameras have been installed at 27 locations from Wazirabad Barrage to Okhla Barrage to check the illegal dumping of Malba in the Yamuna Flood Plain area.

(iv). Demolition Program & Removal of Encroachment from the Flood Plain:

DDA has been carrying out demolitions to reclaim its land from encroachers. About 1536 acres of land has been reclaimed since 2 years 3 months and more than 10,500 jhuggies / labour huts / semi-pucca structure, 25 religious structures, 7 dairy, 3 cricket grounds, 200 cattle shed, 20 nurseries, 40 Bore well grounds have been demolished.

Details of removal of encroachment by DDA are given at **Annexure- 9.**

(v). Removal of C&D Waste :

72,410 Metric tons of C&D waste lying in floodplain has been lifted to IL&FS site or utilized for development of Yamuna Project by DDA. Details of Challans issued by DDA as on 30.11.2024 are given at **Annexure- 10.**

(vi). Restoration and Rejuvenation of the Floodplains of River Yamuna

DDA is going ahead with the Restoration and rejuvenation of floodplains of River Yamuna. The complete stretch of Zone-'O' falling under the jurisdiction of DDA has been subdivided into 10 projects including the development of Bio-diversity Park near Kalindi Kunj Colony. Brief status of 10 projects taken up / to be taken up by DDA for development of Yamuna River Front (Restoration and Rejuvenation of River Yamuna Flood Plains Status as on 30.11.2024) is at **Annexure –11.**

XVIII. Maintaining Minimum e-flow of River:

Minimum Environmental Flow for the dilution of the polluted water in river Yamuna in Delhi is required to meet the desired water quality levels in river Yamuna for bathing purpose i.e. BOD < 3 mg/l & DO >5 mg/l.

To assess the minimum required environmental flow of river Yamuna for stretch between Hathini Kund to Okhla, a comprehensive study was assigned by NMCG to National Institute of Hydrology (NIH), Roorkee on 24.12.2018.

Final Draft Report has been submitted by NIH to NMCG. E-flow of 23 cumecs in the lean season has been recommended in the NIH study. Ministry of Jal Shakti (MoJS) is to take

necessary action for maintaining the E-flow as recommended in the said Report of NIH. MoJS / NMCG has observed that the water sharing agreement of 1994 among the riparian states of Uttarakhand, HP, UP, Haryana, Rajasthan and NCT Delhi is due for revision only in 2025 unless any of the states so demand implying that no revision of water sharing will be possible to achieve the E-flow in river Yamuna.

XIX. Plantation activities along the river (Status upto Oct., 2024) :

(i) Details of Old Plantation at Garhi Mandu and Sonia Vihar:

- Total **384.60 ha** of land has been handed over by DDA to Forest Department, Delhi in phases during the period w.e.f. 1975 to 2022 for plantation purpose.
- In **384.60** ha of land **2,41,184** saplings have been planted by Forest Department, Delhi.

(ii) Details of plantations under DPTA, 1994 against tree felling permissions issued in various projects :

- Total **139.5** ha of land has been handed over by DDA to Forest Department, Delhi for the purpose in phases during the period w.e.f. 2014 to 2020 for plantation purpose.
- In **139.5** ha of land **1,70,876** saplings have been planted by Forest Department, Delhi.

(iii) Details of plantations carried out as Compensatory Afforestation against the Forest land diverted under Compensatory Afforestation Act (FCA), 1980:

- Total **105.368 ha** of land has been handed over by DDA to Forest Department, Delhi for the plantation purpose in phases during the period w.e.f. 2014 to 2021.
- Out of **105.368** ha land, **102.418** ha of land has been afforested with **1,29,002** plant saplings by Forest Department, Delhi.

(iv) Plantation during World Forestry Day, 2023:

- 83,593 plants and 4,50,000 grass have been planted in 5 km stretch of DDA Land from Garhi Mandu to Shastri park near Yudhister setu along Yamuna Flood Plains (Not handed over to Forest Department).
  - Plantation of 1,805 saplings on island 1, 2, and 3.
  - Plantation of 1,400 saplings at Shastri Park Metro Station.
  - Plantation of 2,500 saplings at Garhi Mandu track.
  - Plantation of 3,333 saplings at Garhi Mandu walkway.
  - Plantation of 450 saplings around pond near wazirabad near Signature Bridge.
  - Plantation of 7000 saplings alon[g Yamuna path.

(v) Details of Plantation carried out under State during 2024-25:

- Plantation of 17100 Bamboo has been carried out at NH-24 Plantation sites (5 ha, 2.41 ha, 6.13 ha, 12.00 ha 1.81 ha).
- Plantation of 55000 Bamboo and 7000 shrubs at Garhi Mandu and Shastri Park Metro Station Plantation area has been carried out.
- Plantation of 2000 trees and 15000 shrubs are carried out at ITO Chungi Loops & Parts.

(vi) Details of Plantation carried out under DPTA during 2024-25:

- Plantation of 25550 trees are carried out at Old Garhi Mandu Safeda Patch.
- Plantation of 14000 trees at Garhi Mandu Pocket B& D and 4000 at Pocket A & E.

- **Total land handed over till date = 629.468 ha**
- **The area that has been afforested till date = 626ha**
- **Total no. of saplings planted= 7,80,793**
- **Total no. of grass planted= 4,50,000**

XX. Development of Biodiversity Park (on Yamuna Flood Plain) :

- **Yamuna Biodiversity Park is already existing** and located in Jagatpur Khadar Yamuna Flood Plains in 9770 Hectares (upstream of Wazirabad).
- **Kalindi Biodiversity Park** (Between DND to proposed Kalindi Bypass on Western Bank) is being developed by Delhi Development Authority in the 115 Hectares area in Yamuna Flood Plains. The project has been awarded to CEMDE on 13.12.2019. Three out of 11 Wet Lands are completed in available space. Further work is held up due to NHAI work. DJB is initiating a project to tap the drains.

XI. Details of Reuse of Treated Waste Water and the details of tanker deployment by various stake holders departments for the month of November, 2024 is at **Annexure -12.**

XXII. Model River being adopted by the State & Action Proposed for achieving the bathing quality standards:

In case of Delhi there is only one river i.e. Yamuna river and efforts are being made to comply with the directions of Hon'ble NGT in OA No. 673/2018, OA No. 06/2012 in the matter of Manoj Mishra Vs. Union of India & others and OA 21/2023 in the matter of Ashwani Yadav Vs. Govt. of NCT of Delhi [Now OA No. 06/2012 (Nizamuddin West Association Vs Union of India & Ors)] . In absence of minimum Environmental Flow of river Yamuna in Delhi it is very difficult to achieve the bathing quality standards.

XXIII. Status of Preparation of Action Plan by the Coastal States : Not applicable in case of Delhi

XXIV. Regulation of Mining Activities in the State/UT: Not applicable in case of Delhi

XXV. Action against identified polluters, law violators and officers responsible for failure for vigorous monitoring:

DPCC takes action against the violating Industries/ Units including Water Polluting Industries /Units and imposes Environmental Compensation (EC) on the Polluter Pays Principle regularly.

A Joint Team consisting of MCD, DPCC, Revenue Dept., Power Companies, DJB has been constituted for taking action taken against Dyeing units in non-conforming areas of Delhi.
Inspections are carried out by the said Joint Team and action taken since 28.04.2023 till 28.11.2024 is briefed below:

- No. of Dyeing Industries/ Units Closed down / Sealed / Electricity Disconnected : 203

DPCC has also issued directions on 22.06.2023 to Local Bodies, DDA, DJB & Discoms (BSES/ NDPL) for closure / sealing & disconnection of Electricity and Water Supply of all Dyeing units and Jeans /Denim washing units operating outside the Approved Industrial Areas /Industrial Estates / Redevelopment Areas or operating without mandatory consent of DPCC.

Annexure-I

Details of the Operational STPs of Delhi Jal Board and Compliance Status w.r.t. Prescribed standards in Nov., 2024

S.No.	Name of STP	Capacity (in MGD)	Capacity being utilized (in MLD)	Capacity being utilized (in MGD)	Design Parameters BOD/TSS (in mg/l)	Date of Sampling	Compliance status [Prescribed standards by DPCC : *[(pH 6.5 - 9.0), TSS ≤ 10 mg/l) ,(BOD ≤ 10 mg/l) ,(COD ≤50mg/,) ,(Ammonical Nitrogen ≤ 5mg/l) ,(Total Nitrogen ≤10 mg/l), (Phosphate (PO_4 - P)≤ 2 mg/l) (Fecal Coliform (FC){MPN / 100ml}<230)]*
1.	Mehrauli	5	24	5.28	20/30	25.11..2024	Not meeting the prescribed standards in respect of TSS (23 mg/l), BOD (15 mg/l), COD (76 mg/l) and Fecal Coliform (2200 MPN/100ml).
2.	Okhla, Phase -II	12	0	0.00	30/50	21.11.2024	**No Flow observed (Partially Closed) ***
3.	Okhla Phase -III	37	0	0.00	30/50	21.11.2024	**No Flow observed (Partially Closed) ***
4.	Okhla Phase -IV	45	18	3.96	30/50	21.11.2024	Not meeting the prescribed standards in respect of TSS (29mg/l), BOD (16 mg/l), COD (76 mg/l) and Fecal Coliform (1200 MPN/100ml).
5.	Okhla Phase -V	16	25	5.50	30/50	21.11.2024	**Meeting the prescribed standards.**
6.	Okhla Phase -VI	30	130	28.60	20/30	22.11.2024	**Meeting the prescribed standards.**
7.	Molar Band	0.66	2.2	0.48	30/50	21.11.2024	Not meeting the prescribed standards in respect of TSS (32 mg/l) and BOD (18 mg/l), COD 64 mg/l) and Fecal Coliform (1500 MPN/100ml).
8.	Sen Nursing Home Nallah	2.2	11	2.42	10/15	22.11..2024	Not meeting the prescribed standards in respect of Fecal Coliform (350 MPN/100ml).
9.	Vasant Kunj (Old) Phase-I	2.2	8	1.76	30/50	25.11.2024	Not meeting the prescribed standards in respect of TSS (57 mg/l), BOD (34 mg/l), COD (84 mg/l) and Fecal Coliform (16000 MPN/100ml).
10.	Vasant Kunj (New) Phase-II	3	8	1.76	30/50	25.11.2024	Not meeting the prescribed standards in respect of TSS 59 mg/l), BOD (38 mg/l), COD (80 mg/l) and Fecal Coliform (1800 MPN/100ml).
11.	Ghitorni	5	15	3.30	30/50	25.11.2024	Not meeting the prescribed standards in respect of TSS (62 mg/l), BOD (36 mg/l), COD (84 mg/l), and Fecal Coliform (1200 MPN/100ml).
12.	Delhi Gate Nallah (Old) Phase-I	2.2	11	2.42	10/15	22.11.2024	Not meeting the prescribed standards in respect of Fecal Coliform (1700 MPN/100ml)**..**
13.	Delhi Gate Nallah (New) Phase-II	15	68	14.96	**10/10**	22.11.2024	**Meeting the prescribed standards.**
14.	Kondli Phase - I	10	45	9.90	**10/10**	22.11.2024	**Meeting the prescribed standards.**
15.	Kondli Phase - II	25	112	24.64	10/10	22.11.2024	**Meeting the prescribed standards.** (Under Test and Trial Run)

Annexure-I

Details of the Operational STPs of Delhi Jal Board and Compliance Status w.r.t. Prescribed standards in Nov., 2024

S.No.	Name of STP	Capacity (in MGD)	Capacity being utilized (in MLD)	Capacity being utilized (in MGD)	Design Parameters BOD/TSS (in mg/l)	Date of Sampling	Compliance status [Prescribed standards by DPCC : *[(pH 6.5 - 9.0), TSS ≤ 10 mg/l) ,(BOD ≤ 10 mg/l) ,(COD ≤50mg/,) ,(Ammonical Nitrogen ≤ 5mg/l) ,(Total Nitrogen ≤10 mg/l), (Phosphate (PO_4 - P)≤ 2 mg/l) (Fecal Coliform (FC){MPN / 100ml}<230)]*
16.	Kondli Phase - III	10	45	9.90	**10/10**	22.11.2024	**Meeting the prescribed standards.**
17.	Kondli Phase - IV	45	202	44.43	**10/10**	22.11..2024	**Meeting the prescribed standards.**
18.	Chilla	9	41	9.02	**10/10**	22.11.2024	**Meeting the prescribed standards**
19.	Yamuna Vihar Phase-I	10	46	10.12	30/50	11.10.2024	Not meeting the prescribed standards in respect of TSS (36 mg/l), BOD (15 mg/l), COD (60mg/l) and Fecal Coliform (1300 MPN/100ml).
20.	Yamuna Vihar Phase-II	15	68	14.96	30/50	11.10.2024	**Meeting the prescribed standards**
21.	Yamuna Vihar Ph-III	25	123	27.06	20/30	19.11.2024	Not meeting the prescribed standards in respect of TSS (25 mg/l), BOD (22 mg/l)m and COD (56 mg/l)
22.	Akshardham / Common Wealth Games Village	1	0.7	0.15	**02/01**	22.11.2024	**Meeting the prescribed standards.**
23.	Coronation Pillar Phase-I&II	20	35	7.70	30/50	13.11.2024	Not meeting the prescribed standards in respect of TSS (16 mg/l), BOD (12 mg/l) and Fecal Coliform (950 MPN/100ml).
24.	Coronation Pillar Phase-III	10	15	3.30	30/50	13.11..2024	Not meeting the prescribed standards in respect of TSS (21 mg/l) and BOD (13 mg/l).
25.	New Coronation Pillar	70	175	38.50	**10/10**	13.11.2024	Not meeting the prescribed standards in respect of TSS (24 mg/l), BOD (17 mg/l), COD (56mg/l) and Fecal Coliform (1300 MPN/100ml).
26.	Narela	10	15	3.30	30/50	05.11.2024	**Meeting the prescribed standards.**
27.	Rithala Phase -II	40	175	38.50	15/20	05.11.2024	**Meeting the prescribed standards.**
28.	Rohini	15	50	11.00	30/50	05.11.2024	**Meeting the prescribed standards.**

Annexure-I

Details of the Operational STPs of Delhi Jal Board and Compliance Status w.r.t. Prescribed standards in Nov., 2024

S.No.	Name of STP	Capacity (in MGD)	Capacity being utilized (in MLD)	Capacity being utilized (in MGD)	Design Parameters BOD/TSS (in mg/l)	Date of Sampling	Compliance status [Prescribed standards by DPCC : *[(pH 6.5 - 9.0), TSS ≤ 10 mg/l) ,(BOD ≤ 10 mg/l) ,(COD ≤50mg/,) ,(Ammonical Nitrogen ≤ 5mg/l) ,(Total Nitrogen ≤10 mg/l), (Phosphate (PO_4 - P)≤ 2 mg/l) (Fecal Coliform (FC){MPN / 100ml}<230)]*
29.	Keshopur Phase - I (New)	12	67	14.74	20/30	13.11 .2024	Not meeting the prescribed standards in respect of TSS (27 mg/l), BOD (17 mg/l), COD (92 mg/l), and Fecal Coliform (1400 MPN/100ml).
30.	Keshopur Phase-II	20	65	14.30	30/50	13.11.2024	Not meeting the prescribed standards in respect of TSS (34 mg/l), BOD (20 mg/l), COD (56 mg/l) and Fecal Coliform (1400 MPN/100ml).
31.	Keshopur Phase - III	40	175	38.50	30/50	13.11.2024	Not meeting the prescribed standards in respect of TSS (31 mg/l), BOD (17 mg/l), COD (64 mg/l) and Fecal Coliform (1100 MPN/100ml).
32.	Nilothi Phase-I	40	100	22.00	30/50	20.11.2024	Not Meeting the prescribed standards in respect of TSS 34 mg/l), BOD (18 mg/l), COD (88 mg/l) and Fecal Coliform (1400 MPN/100ml).
33.	Nilothi Phase-II	20	95	20.90	**10/10**	20.11.2024	**Meeting the prescribed standards.**
34.	Pappankalan Phase - I	20	67	14.74	30/50	20.11.2024	Not meeting the prescribed standards in respect of TSS (31 mg/l), BOD (17 mg/l), COD (76 mg/l) and Fecal Coliform (2400 MPN/100ml).
35.	Pappankalan Phase - II	20	105	23.10	**10/10**	20.11.2024	Not meeting the prescribed standards in respect of Fecal Coliform (1700 MPN/100ml).
36.	Najafgarh	5	23	5.06	30/50	22.11.2024	**Meeting the prescribed standards.**
37.	Kapashera	5	22	4.84	**10/10**	25.11.2024	Not meeting the prescribed standards in respect of TSS (27 mg/l), BOD (14 mg/l), COD (60 mg/l) and Fecal Coliform (2100 MPN/100ml).
38.	Rithala Phase-I	40	175	38.50	**10/10**	05.11..2024	**Meeting the prescribed standards.** (Under Test and Trial Run)
39.	New Okhla STP#	124	350	76.99	**10/10**	-	Sample not collected since STP is under Trial Run and Commissioning.
	Total	**712.26* MGD**	**2711.9 MLD**	**596.55 MGD**			

Includes 76.99 MGD being treated at New Okhla STP 5of 124 MGD Capacity which is under Trial Run.

***** As per the Analysis report No Flow was observed in 2 STPs (Okhla Phase II and Okhla Phase III) which are reportedly partially closed.

1. DPCC Water Laboratory collected the samples from the inlet & outlet of 36 Operational STPs of Delhi Jal Board in the month of November, 2024 excluding New Okhla STP# (124 MGD Capacity) which is under trial run and 2 STPs (Okhla Phase II and Okhla Phase III) which are reportedly partially closed.

2. As per the Analysis Reports of DPCC Water Laboratory for Nov., 2024, 16 STPs were found meeting the standards prescribed by DPCC and 20 STPs were found not meeting the standards prescribed by DPCC.

Annexure-2

Upgradation/ Augmentation of Existing STPs

(Interventions –for Existing STPs to achieve BOD: TSS 10/10)

[Integrated Fixed Film Activated Sludge, Increased Aeration, Disc Filter, UV Disinfection & Odour Control]

S. No.	Name of STP	Existing Capacity (In MGD)	Enhanced Capacity (In MGD)	Status (Cumulative Progress as on 30.11..2024)	Timelines
1.	Rithala Phase –II	40	40	100%	Completed
2.	Kondli Phase-IV	45	45	98.15 %	Under Trial Run
3.	Pappan Kalan Phase-I	20	30	50%	March, 2025
4.	Nilothi Phase –I	40	60	50%	March, 2025
5.	Najafgarh	5	5	82%	March, 2025
6.	Keshopur Phase –II	20	20	82%	March, 2025
7.	Keshopur Phase-III	40	60	82%	March, 2025
8.	Rohini Sector 25	15	25	90%	March, 2025
9.	Narela	10	15	90%	March, 2025
10.	Coronation Pillar Phase -I & II	20	20	90%	March, 2025
11.	Coronation Pillar Phase –III	10	10	90%	March, 2025
12.	Okhla Phase- V	16	16	Tenders were invited two more times on HAM model but rejected due to a single bid. The proposal is under process on EPC model for seeking approval for budget action plan and AA/ES.	December, 2026
13.	Mehrauli	5	7.5		
14.	Ghitorni	5	7.5		December, 2026
15.	Vasant Kunj	5	7.5		
16.	Yamuna Vihar Phase– I	10	15		December, 2026
17.	Keshopur Phase- I	12	18	Tenders were invited and rejected due to a single bid. The proposal is under process for re-invitation of tender, budget action plan and AA/ES approval from competent authority.	December, 2026
18.	Yamuna Vihar Phase – III	25	55	Tenders were invited on HAM model, but competent authority directed to upgrade the old and new plant on opentechnology. The proposal is under process under EPC model for seeking approval of budget action plan and AA/ES.	December, 2026
	Total	**343**	**456.5**	Addition of 113.5 MGD by December, 2025.	

Annexure-3

Information about 22 Drains out falling into River Yamuna in Delhi, their Water Quality in November, 2024 and Proposed Action for Tapping of Flow

S.No.	Drain Owning Agency	Name of Drain	Flow in MLD (As per DJB)	Water Quality of Drain (As per DPCC Lab Report for Sample Taken on 06.11.2024)				Point of Sampling (Before Outfall into river) (Latitude , Longitude*)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated / proposed to be treated		Proposed Action / Timeline for Tapping of Drain
				pH (5.5 -9)	TSS (mg/l) (100)	COD (mg/l) (250)	BOD (mg/l) (30)			Name of STP	End Point of Disposal of Treated waste water from STP	
1	MCD	Metcalf House Drain	17.25 (3.79 MGD)	No Flow				28.6803991, 77.2291258	Tapped	Tapped waste is treated in Okhla STPs.	Agra canal	Drain already tapped
2		Khyber Pass Drain	1.7 (0.37 MGD)					28.6953254, 77.2279064	Tapped			Drain already tapped
3		Sweeper Colony Drain	8.6 (1.89 MGD)					28.6900959, 77.2282293	Tapped			Drain already tapped
4		Magazine Road Drain	7.8 (1.72 MGD)	No Flow				28.6977573, 77.2274876	Tapped			Drain already tapped
5		Tonga Stand Drain	7.8 (1.72 MGD)	No Flow				28.6629212, 77.2407143	Tapped			Drain already tapped
6		Civil Mill Drain	14.68 (3.23 MGD)	No Flow				28.6507572, 77.2525033	Tapped			Drain already tapped
7		Moat Drain (Vijay Ghat)	-	Dry				-	Tapped			Dry Drain (Already Tapped)
8		Drain No.14	25.87 (5.69 MGD)	No Flow				28.6115925, 77.2517744	Tapped			Drain already tapped
9		Tehkhand Drain	39.74 (8.74 MGD)	No Flow					Tapped			Drain already tapped
10		Tuglakabad Drain (Kalka Ji Drain merged in this drain)	25.05 (5.51 MGD)	7.65	120	209	80	28.5419317, 77.3082674	Untapped	Okhla STPs.	Agra canal	Flow observed on 24.04.2024, 03.06.2024, 04.09.2024 , 08.10. 2024 & 06.11.2024 by DPCC Lab. However DJB has informed that tapped flow is received at Tuglakabad SPS from where it is pumped to Okhla STP for treatment.

S. No.	Drain Owning Agency	Name of Drain	Flow in MLD (As per DJB)	Water Quality of Drain (As per DPCC Lab Report for Sample Taken on 06.11.2024)				Point of Sampling (Before Outfall into river) (Latitude , Longitude*)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated / proposed to be treated		Proposed Action/ Timeline for Tapping of Drain
				pH (5.5 -9)	TSS (mg/l) (100)	COD (mg/l) (250)	BOD (mg/l) (30)			Name of STP	End Point of Disposal of Treated waste water from STP	
11		Abul Fazal Drain	7 (1.54 MGD)	7.11	140	250	100	28.5458359, 77.2982617	Untapped	Proposed to be treated in Okhla STP.	Agra canal	Sewage to be tapped & treated at Okhla STP after completion of Batla House Sewage Scheme. **Timeline : March, 2025.**
12	MCD	Sen Nursing Home Drain	43.20 (9.5 MGD)	7.18	148	194	80	28.6205472, 77.2516466	Partially tapped	Partially tapped waste water is treated in Sen Nursing Home STP, remaining to be treated in Okhla STP.	Yamuna River (From Sen Nursing Home STP) Agra canal from Okhla STP.	Overflow / un-tapped waste water will be treated at Okhla STP after tapping into Ring Road Trunk Sewer. **Timeline: June, 2025**
13		Delhi Gate Drain / Power House Drain	122.58 (26.96 MGD)	7.04	108	189	75	28.6350404, 77.255442	Partially tapped	Partially tapped waste water is treated in Delhi Gate STPs remaining to be treated in proposed New STP at Delhi Gate	Yamuna River	There are 2 operational STPs of 68.2 MLD (15 MGD) & 10 MLD (2.2 MGD) for treatment of tapped waste water of this drain. Another STP of 45.46 MLD (10 MGD) is proposed for Treatment of remaining untapped waste water of this drain. Land has been allotted by MoHUA / DDA but yet to be handed over to DJB. Estimate is under approval. **STP will be constructed within 18 months after award of work.**
14		ISBT Drain (Qudsia Bagh/ Mori Gate Drain)	43.2 (9.51 MGD)	7.84	88	117	46	28.6694576, 77.2336664	Untapped	Proposed to be treated in New Coronation Pillar STP	Najafgarh Drain	Waste water of this drain will be carried to Nehru Vihar SPS by laying a rising main from proposed SPS at ISBT Kashmere Gate for treatment in the Coronation Pillar STP. Work order issued on 23.12.2022 & **wo rk is under progress & likely to be completed by March, 2025.**.

S. No.	Drain Owning Agency	Name of Drain	Flow in MLD (As per DJB)	Water Quality of Drain (As per DPCC Lab Report for Sample Taken on 06.11.2024)				Point of Sampling (Before Outfall into river) (Latitude , Longitude*)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated / proposed to be treated		Proposed Action/ Timeline for Tapping of Drain
				pH (5.5 -9)	TSS (mg/l) (100)	COD (mg/l) (250)	BOD (mg/l) (30)			Name of STP	End Point of Disposal of Treated waste water from STP	
15	MCD	Sonia Vihar Drain (On Eastern Bank of Yamuna)	27.24 (5.99 MGD)	8.5	116	107	42	28.7084002, 77.2360452	Untapped	Sonia Vihar STP (under construction)	Yamuna River	7 MGD STP constructed at Sonia Vihar and it is under Trial Run. Tapped waste water will be treated in this STP which is **likely to be commissioned by Dec. 24**
16		Kailash Nagar Drain (On Eastern Bank of Yamuna)	13.62 (3.0 MGD)	7.37	112	158	62	28.6640877, 77.2494362	Untapped	Proposed to be treated in Kondli STP	Yamuna River	Feasibility of diverting the flow of the drain to Kondli STP through Geeta Colony and Preet Vihar SPS is being worked out jointly with MCD, DUSIB, DDA and DJB.
17		Shastri Park Drain (On Eastern Bank of Yamuna)	5.45 (1.2 MGD)	7.12	100	168	65	28.6621096, 77.2546735	Untapped	Proposed to be treated in DSTP.	Yamuna River	Partially tapped by DJB, finally going into Buland Masjid SPS. Feasibility of construction of DSTP is being worked out jointly with MCD, DUSIB, DDA and DJB.
18		Barapulla Drain	145.15 (31.97 MGD)	7.4	78	128	52	28.5831727, 77.2640264	Untapped	Proposed to be treated in Okhla STP.	Agra canal	Work of Intercepting the Barapullah drain flow by laying of interceptor sewer through micro tunnelling and conveying the flow to Okhla STP for treatment is in progress and **expected to be completed by March, 2025.**
19		Maharani Bagh Drain	30.24 (6.65 MGD)	7.48	84	148	60	28.5723966, 77.2686193	Untapped	Proposed to be treated in Okhla STP.	Agra canal	9 – 10 MLD waste water already tapped in C.V Raman Marg Trunk Sewer. For the balance waste water, work of Intercepting by laying of interceptor sewer throug h micro tunnelling and conveying the flow to Okhla STP for treatment is in progress and **expected to be completed by March, 2025.**
20		Jaitpur Drain	5.68 (1.25 MGD)	7.12	104	168	65	28.5419379, 77.3083086	Untapped	Proposed to be treated in Okhla STP.	Agra canal	Sewage to be tapped after completion of Madanpur Khadar GOC Scheme by Dec. 2025. Tapped waste water will be treated in Okhla STP.

S. No.	Drain Owning Agency	Name of Drain	Flow in MLD (As per DJB)	Water Quality of Drain (As per DPCC Lab Report for Sample Taken on 06.11 .2024)				Point of Sampling (Before Outfall into river) (Latitude , Longitude*)	Status of Drain (Tapped / Partially Tapped / Untapped)	Proposed Action / Remarks
				pH (5.5 -9)	TSS (mg/l) (100)	COD (mg/l) (250)	BOD (mg/l) (30)			
21	Irrigation & Flood Control Deptt	Najafgarh Drain	2056.32 (452.34 MGD)	7.02	96	158	64	28.7090142, 77.2286028	Being large drain not feasible to be tapped However covered under ISP for tapping the flow of its Sub Drains	There is about 453 MGD flow in the Najafgarh drain including treated effluent from STPs of DJB in its catchment area. From Haryana, there is about 105 MGD discharge through Badshahpur and DD-6 drains. Interceptor Sewer Project (ISP) of DJB includes interception and treatment of waste water of sub drains of Najafgarh drain (substantial flow of sub-drains under the command areas has been / will be tapped and treated). There are 126 sub-drains out falling into Najafgarh drain including Supplementary drain. Provision for tapping of 77 Sub drains have been made. There are 110 sub-drains out falling into Supplementary drain. Out of 110 sub-drains, one sub-drain is untapped and balance one will be tapped as estimate for installation of DSTP has been prepared. NIT is yet to be floated due to budget constraints.
22		Shahdara Drain	475.2 (104.66 MGD)	7.55	144	270	110	28.5588984, 77.3207987	Being large drain not feasible to be tapped However covered under ISP for tapping the flow of its Sub Drains	Total discharge in Shahdara drain is about 105 MGD, out of which 50 MGD (i.e., 45%) is waste water being discharged by UP through Sahibabad, Indirapuri and Banthala drain. Interceptor Sewer Project (ISP) of DJB includes interception and treatment of waste water of sub drains of Shahdara drain. Provision for tapping of 29 drains have been made. There are 2 sub-drains which are untapped and these will be tapped by June, 2025.
			3411.6 (750.4MGD)							

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi

Annexure -4

(Based on the Analysis Reports of DPCC Laboratory for the Month of November, 2024)

S. No.	Name of CETP	Industrial Areas Connected with CETP	Capacity (in MLD)	Monthly Average Flow (in MLD)	Date of Sampling	Influent Quality at Inlet (in mg/l)	Effluent Quality at Outlet (in mg/l)	Compliance Status w.r.t Prescribed Standards.
1	**Jhilmil CETP**	Jhilmil and Friends Colony Indl. Area	**16.8**	**5.105**	19.11.2024	pH - 7.1 TSS - 300 COD - 288 BOD - 140 Oil & Grease – 13.2 Ammonical Nitrogen (N) – 16.8 Phosphate- 7.7 Sulphide – 4.2	pH - 7.3 TSS - 64 COD - 80 BOD - 25 Oil & Grease – 3.6 Ammonical Nitrogen (N) – 7.1 Phosphate- 1.4 Sulphide – 1.7	**Meeting the Prescribed Standards.**
2	**Badli CETP**	Badli Industrial Estate	**12**	**2.33**	04.11.2024	pH - 6.9 TSS - 432 COD - 280 BOD - 160 Oil & Grease – 11.6 Ammonical Nitrogen (N) – 11.5 Phosphate- 14.3 Sulphide – 2.9	pH - 7.2 TSS - 80 COD - 88 BOD - 22.5 Oil & Grease – 1.6 Ammonical Nitrogen (N) – 1.9 Phosphate- 2.5 Sulphide – 1.6	**Meeting the Prescribed Standards.**
3	**Mayapuri CETP**	Mayapuri Indl. Area	**12**	**3.86**	05.11.2024	pH - 7.1 TSS - 352 COD - 344 BOD - 150 Oil & Grease – 9.2 Ammonical Nitrogen (N) – 15.6 Phosphate- 10.4 Sulphide – 2.6	pH - 7.6 TSS - 62 COD - 92 BOD - 26 Oil & Grease – 2.8 Ammonical Nitrogen (N) – 2.0 Phosphate- 2.2 Sulphide – 1.3	**Meeting the Prescribed Standards.**

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi

Annexure -4

(Based on the Analysis Reports of DPCC Laboratory for the Month of November, 2024)

S. No.	Name of CETP	Industrial Areas Connected with CETP	Capacity (in MLD)	Monthly Average Flow (in MLD)	Date of Sampling	Influent Quality at Inlet (in mg/l)	Effluent Quality at Outlet (in mg/l)	Compliance Status w.r.t Prescribed Standards.
4	**Mangolpuri CETP**	Mangolpuri Indl. Area	**2.4**	**1.49**	05.11.2024	pH - 7.1 TSS - 440 COD - 288 BOD - 166 Oil & Grease – 13.2 Ammonical Nitrogen (N) – 18.6 Phosphate-14.2 Sulphide – 3.0	pH - 7.4 TSS - 66 COD - 88 BOD - 27 Oil & Grease –2.4 Ammonical Nitrogen (N) – 8.2 Phosphate- 1.9 Sulphide – 1.8	**Meeting the Prescribed Standards.**
5	**Wazirpur CETP**	Wazirpur Indl Area	**24**	**5.301**	04.11.2024	pH – 7.2 TSS - 344 COD - 336 BOD - 180 Oil & Grease –15.2 Ammonical Nitrogen (N) – 20.1 Phosphate-10.2 Sulphide – 4.1	pH -7.4 TSS - 62 COD - 92 BOD - 22 Oil & Grease – 2.4 Ammonical Nitrogen (N) – 3.2 Phosphate-2.8 Sulphide – 1.3	**Meeting the Prescribed Standards.**
6	**Nangloi CETP**	Nangloi& Udyog Nagar Indl Areas	**12**	**3.282**	05.11.2024	pH -7.5 TSS - 328 COD - 416 BOD - 180 Oil & Grease – 10.8 Ammonical Nitrogen (N) – 13.1 Phosphate-13.6 Sulphide – 4.2	pH -7.3 TSS - 68 COD - 76 BOD - 24 Oil & Grease – 3.6 Ammonical Nitrogen (N) – 3.3 Phosphate-1.4 Sulphide – 1.7	**Meeting the Prescribed Standards.**

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi (Based on the Analysis Reports of DPCC Laboratory for the Month of November, 2024)

Annexure -4

S. No.	Name of CETP	Industrial Areas Connected with CETP	Capacity (in MLD)	Monthly Average Flow (in MLD)	Date of Sampling	Influent Quality at Inlet (in mg/l)	Effluent Quality at Outlet (in mg/l)	Compliance Status w.r.t Prescribed Standards.
7	**SMA CETP**	SMA, Rajasthani Udyog Nagar and SSI Industrial Areas	**12**	**2.34**	04.11.2024	pH - 7.1 TSS - 316 COD - 360 BOD - 175 Oil & Grease – 15.2 Ammonical Nitrogen (N) –7.4 Phosphate-13.4 Sulphide – 4.7	pH -7.3 TSS - 50 COD - 76 BOD - 20 Oil & Grease – 3.2 Ammonical Nitrogen (N) – 1.8 Phosphate- 3.8 Sulphide – 1.4	**Meeting the Prescribed Standards.**
8	**Okhla CETP**	Okhla Indl. Area	**24**	**1.349**	21.11.2024	pH - 7.6 TSS - 440 COD - 408 BOD - 160 Oil & Grease – 11.6 Ammonical Nitrogen (N) – 14.4 Phosphate- 14.2 Sulphide – 4.5	pH - 7.4 TSS – 58 COD - 92 BOD - 17 Oil & Grease – 2.4 Ammonical Nitrogen (N)– 6.2 Phosphate – 3.6 Sulphide – 1.6	**Meeting the Prescribed Standards.**
9	**Narela CETP**	Narela Indl. Area	**22.5**	**7.424**	05.11.2024	pH - 6.7 TSS – 432 COD - 408 BOD - 150 Oil & Grease – 10 Ammonical Nitrogen (N) –16.7 Phosphate-12.4 Sulphide – 3.9	pH – 7.2 **TSS - 130** COD - 132 **BOD - 43** Oil & Grease – 1.6 Ammonical Nitrogen (N) – 5.2 Phosphate- 2.5 Sulphide – 1.0	**Not Meeting the Prescribed Standards in respect of TSS & BOD**
10	**Bawana CETP**	Bawana Indl. Area	**35**	**30.7**	05.11.2024	pH - 6.7 TSS - 372 COD - 416 BOD - 180 Oil & Grease – 14.4 Ammonical Nitrogen (N) – 17.3 Phosphate-10.6 Sulphide – 2.1	pH -7.5 **TSS - 122** COD - 124 **BOD - 40** Oil & Grease –1.2 Ammonical Nitrogen (N) – 4.1 Phosphate- 1.3 **S**ulphide – 1.4	**Not Meeting the Prescribed Standards in respect of TSS & BOD**

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi

Annexure -4

(Based on the Analysis Reports of DPCC Laboratory for the Month of November, 2024)

S. No.	Name of CETP	Industrial Areas Connected with CETP	Capacity (in MLD)	Monthly Average Flow (in MLD)	Date of Sampling	Influent Quality at Inlet (in mg/l)	Effluent Quality at Outlet (in mg/l)	Compliance Status w.r.t Prescribed Standards.
11	**Naraina CETP**	Naraina Indl. Area	**21.6**	**3.68**	05.11.2024	pH - 7.4 TSS – 320 COD - 368 BOD - 180 Oil & Grease – 10 Ammonical Nitrogen (N)- 17.5 Phosphate- 8.4 Sulphide – 3.3	pH - 7.2 TSS - 70 COD - 80 BOD - 22 Oil & Grease -1.2 Ammonical Nitrogen (N) – 2.1 Phosphate – 2.0 Sulphide – 1.1	**Meeting the Prescribed Standards.**
12	**GTK CETP**	GTK Road Indl. Area	**6**	**2.51**	04.11.2024	pH - 6.8 TSS - 312 COD - 208 BOD - 80 Oil & Grease -10.8 Ammonical Nitrogen (N)- 22.4 Phosphate- 11.5 Sulphide –3.4	pH - 7.2 TSS - 72 COD - 84 BOD - 23 Oil & Grease -1.2 Ammonical Nitrogen (N)-2.4 Phosphate-3.2 Sulphide – 1.5	**Meeting the Prescribed Standards.**
13	**Lawrence Road CETP**	Lawrence Road Indl. Area	**12**	**1.97**	04.11.2024	pH - 6.8 TSS - 360 COD - 224 BOD - 150 Oil & Grease – 11.2 Ammonical Nitrogen (N)- 19.8 Phosphate- 9.1 Sulphide – 2.8	pH - 7.3 TSS - 52 COD - 180 BOD - 26 Oil & Grease – 2.0 Ammonical Nitrogen (N)- 2.8 Phosphate- 1.8 Sulphide – 1.2	**Meeting the Prescribed Standards.**
		Total	**212.3**	**71.341**				

Annexure-5

Existing & Proposed Municipal Solid Waste Processing Facilities in Delhi (As on 30.11.2024)

Total Municipal Solid Waste (MSW) Generation– 11342 TPD

[MCD- 11000 TPD, NDMC- 280 TPD, DCB- 62 TPD]

S.No.	MSW Processing Facility	Capacity (in TPD)	Processing of MSW (in TPD)
1.	Waste to Energy Plant at Okhla	1950 [MCD – 1550 + 400 (NDMC & DCB)]	1460.23* (Fresh MSW- 1460.23)
2.	Waste to Energy Plant at Ghazipur	1300 (MCD)	683.7* (Fresh MSW- 683.7)
3.	Integrated MSW Facility at Bawana (1300 TPD Waste to Energy Plant & 700 TPD Compost Plant)	2000 (MCD) (As per Consent of DPCC)	2191.4* (Fresh MSW- 2191.4)
4.	Waste to Energy Plant at Tehkhand	2000 (MCD)	1718.2* (Fresh MSW- 1718.2)
5.	20 Composters of 1 TPD each	20 (MCD)	20
6.	05 Bio-Methanation / Bio- Gas Plants in NDMC Area	7.0 (NDMC)	2.5
7.	27 Organic Waste Convertors (OWCs) in NDMC Area	10 [NDMC]	5.0
8.	04 Community Composting in NDMC Area	5.0 [NDMC]	5.0
9.	Home Composting (~ 900 House Holds)	1.0 [NDMC]	1.0
10.	257 Compost Pits including four Community Composting Pit of NDMC [MCD-211+ NDMC- 46 + DCB - 0]	558 [MCD – 543 + NDMC- 15 + DCB-0]	558 [MCD – 543 + NDMC- 15 +DCB-0]
Total		**7851**	**6645.03 [Fresh MSW–6645.03]**
11	Recycling through 176 MRFs [MCD– 157 + NDMC- 08 +DCB-11]	**322 TPD** [MCD- 260 (42+218) + NDMC–12+ DCB - 50]	**Recycling - 306 TPD** [MCD - 260+ NDMC - 12+ DCB – 34]
Grand Total (in TPD) [Processing Fresh MSW+Recycling]		**8173 TPD (72.06 %)**	**6951.03 TPD (61.3%)**
12	Disposal of Fresh MSW at the Dumpsites	**4390.97 TPD (38.71 %)** [11342 TPD - 6645.03 TPD (Fresh MSW Processed) - 306 TPD (Recycled through MRFs)]	

*Based on the information provided by the 4 operators of the Waste to Energy Plants in Delhi.

Excluding 8 Bio-Methanation Plants of MCD which are not functional since a long period.

Generation (in TPD)	Total Capacity of Existing MSW Processing Facilities + MRF (in TPD)	Processing of Fresh MSW+MRF (in TPD)	Gap in Processing Capacity (in TPD)	Gap in Processing (in TPD)	Additional Proposed Capacity of Facilities (in TPD)			Total Capacity of MSW Processing Facilities + MRFs (in TPD)		
					By 2025	By 2026	By 2027	By 2025	By 2026	By 2027
(1)	(2)	(3)	(4) = (1)-(2)	(5)= (1)–(3)						
11342	**8173 (72.06 %)**	**6951.03 (61.3%)**	**3169 (27.94%)**	**4390.97 (38.71%)**	**400**	**2750**	**7750**	**8573 (75.6 %)**	**10923 (96.3 %)**	**15923** **(140.4 %)**

**** will take care possible increase of MSW till year 2031.**

Proposed MSW Processing Facilities of MCD in Delhi

S. No.	MSW Facility	No	Location	Capacity Addition(in TPD)	Timeline for Completion
1	New Waste to Energy Plant at Narela – Bawana (For 3 Zones City SP, Karol Bagh & Narela Zone)	1	Narela-Bawana	3000	**June, 2027** Appellate Tribunal (APTEL) has set aside the orders of DERC regarding adoption of tariff arrived through competitive bidding process. Matter was pending in Hon'ble Supreme Court of India since November 2023. Final Hearing concluded on 12.11.2024 and Order reserved. Rate & Agency contract could not be awarded for more than one year due to non-formation of Standing Committee of MCD. Now, the power has been accorded to Commissioner MCD. Decision from Hon'ble Supreme Court is awaited before issuing the work order. However, the prospective concessionaire has been accorded permission to go ahead for Environment (EC). MoEF&CC has accorded TOR for EC.
2	New Waste to Energy Plant at Ghazipur	1	Ghazipur	2000	**December, 2027** Techno Economic Feasibility Report (TEFR) has been approved. Petition is pending in DERC for approval of Request for Proposal (RFP) and Draft Concession Agreement (DCA) since 30.06.2023. Petition of MCD admitted in DERC on the last date of hearing i.e. 30.05.2024.
3	Expansion of Existing Waste to Energy Plant at Okhla	1	Okhla	1000 (From 1950 TPD to 2950 TPD)	**June, 2026** Environmental Clearance for expansion accorded, fixation of revised tariff was pending in DERC since 31.03.2023. However aforesaid issue has been resolved and DERC has accorded approval of revised tariff on 09.07.2024.
4	Expansion of Existing Waste to Energy Plant at Tehkhand	1	Tehkhand	1000 (From 2000 TPD to 3000 TPD)	**December, 2026** Approval accorded and conveyed to Concessionaire. The concessionaire has initiated the process to obtain Environmental Clearance by starting baseline survey and likely to file application for TOR in October, 2024.
5	Bio CNG Plant	1	Okhla	300 (In place of existing Closed Compost plant of 200 TPD to 300 TPD)	**June, 2025**
6	Compressed Bio Gas (CBG) Plant	1	Ghogha Dairy	100	**March, 2025**
7	Compressed Bio Gas (CBG) Plant	1	Ghazipur	350	**December, 2026**
	Total	**7**		**7750 TPD**	
8.	Bio Gas Plants for Dairies Waste* Management	1	Nangli Dairy	215	**December, 2024**
		1	Goyla Dairy	215	**March, 2025**
		1	Ghogha Dairy	290	**March, 2025**
9.	Engineered Sanitary Landfill (SLF)	1	Tehkhand		Commissioned on 12.03.2024

*These Plants are mainly for waste generated from Dairies & not included in total MSW Generation of 11000 TPD of MCD.

Status of Bio-Mining of Legacy Waste at 3 Dumpsites (<u>As on 28.11.2024</u>)

Dumpsite	Quantity of Legacy Waste Dumped (July, 2019) (Lakh Ton)	Total Quantity of Legacy Waste Bio-mined (Since Oct, 2019 to 28.11.2024) (Lakh Ton)	Legacy Waste (Volumetric Assessment through Drone Survey in June, 2022) (Above Ground) (Lakh Ton)	Quantity of Fresh MSW dumped from July 2022 to 28.11.2024 (Lakh Ton)	Total Quantity of Legacy Waste Bio-mined from July, 22 to 28.11.2024 (Lakh Ton)	Balance Quantity of Waste at Dumpsite (Lakh Ton)	No. of Trommels Operational	Revised Timeline for 100% Remediation (Earlier Time line May, 2024)
Bhalaswa	80	71.17 (88.96 %)	73	23.85	46.78	50.07	22	Dec, 2028*
Ghazipur	140	27.7 (19.8 %)	85	14.83	17.20	82.63	25	Dec, 2028*
Okhla	60	49.97 (83.28)	45	17.42	32.36	30.06	11	Dec, 2028*
Total	**280**	**148.84 (53.15 %)**	**203**	**56.09**	**96.34**	**162.75**	**58**	

*****Subject to the stoppage of incoming fresh waste and formation of Standing Committee in MCD.

<u>Segregation of Waste at Source</u>

NDMC - 100% (in all 14 Circles) & **90%** segregation at Source. **DCB - 90% in Civil Pockets & 70 % in Army Pockets** (100 % segregation at source by Dec, 2024). **MCD - 58 % (Average)** (Timelines for segregation : 65% by Feb., 2025, 75 % by Aug., 2025, 85% by Feb., 2026 & 90 % by Aug., 2026) **No. of Zero Waste Colonies / Institutes - 519(Colonies - 480 + Institutes – 39)**

Annexure -06

DEPARTMENT OF URBAN DEVELOPMENT
GOVERNMENT OF NCT OF DELHI
INTEGRATED DRAIN MANAGEMENT CELL (IDMC)
DELHI SECRETARIAT, I.P. ESTATE, NEW DELHI

F.NO.F.25(3)/UD/IDMC/2024/ 347-388 **Dated:** 12/12/2024

Subject: Minutes of the meeting of 19th Integrated Drain Management Cell (IDMC) held on 11/11/2024 at 4.P.M.

The 19th IDMC meeting was held on 11/11/2024 under the Chairmanship of the Chief Secretary GNCTD to discuss the progress and take necessary action on the several directions issued by the Hon'ble High Court, Delhi vide its Judgement dated 8/04/2024 and subsequent orders dated 29/05/2024, 25/07/2024, 23/10/2024 and 12/11/2024 in the Case W.P.(C) 7954/2018 & CM Appl.30022/2018 regarding water logging/drainage, Rainwater Harvesting, Restoration and rejuvenation of Yamuna River Flood Plains Interconnection of Storm Water Drains, Industrial Discharges, etc. issues in Delhi. List of Officers attended the meeting is at **Annexure I**.

The agenda of the meeting along with proposed ATR for the month of October 2024 and compliance of the directions passed by the Hon'ble High Court of Delhi vide order dated 12-11-2024 were the key points of the discussion. Accordingly necessary documents related to the subject matter i.e. copy of the High Court orders dated 8/04/2024, 29/05/2024, 25/07/2024, 23/10/2024 and 12/11/2024 were provided to the above listed officers who were present during the meeting. The Special Secretary, IDMC, Department of Urban Development later made a presentation on the department wise compliances to the Hon'ble High Court directions as well as the gaps in implementation against timelines directed by the Hon'ble Court. The compliances to the directions of Hon'ble High Court were deliberated item wise and decisions taken were as given below:

1. **Integrated Drainage Management Plans(DMPs)**

   i. Public Works Department, GNCTD informed the current status of the 3 basins which are mentioned as under:

      a. Najafgarh Basin: The consultant is doing survey of existing drains in close co-ordination with respective departments like MCD, I&FC, DDA, PWD DSIDC etc. Time lines as per current status is:
      31.03.2025 for DPR submission.
      30.06.2025 for Acceptance & issuing tender.

b. Barapulla Basin: The consultant has submitted the inception report and getting it corrected as suggested by the Technical Committee.
Timelines as per the current status is 31.03.2025 for DPR submission and 30.06.2025 for DPR Acceptance & issuing Tender.

c. Trans Yamuna Basin: The Consultant has submitted inception report and getting it corrected as suggested by the Technical Committee.
31.03.2025 for DPR submission.
30.06.2025 for DPR Acceptance & issuing Tender.

ii. Chief Secretary GNCTD expressed concern at the shifting timelines indicating that the timelines directed by the Hon'ble High Court can't be shifted unilaterally and directed the PWD that the deliverables of consultants need to be monitored by the Head of Department, so that the timelines are strictly adhered to and also highlighted the absence of a detailed PERT chart on the finalization of DPRs of 3 drainage management plans.

(Action PWD)

2. Multiplicity of Authorities for Management of Drainage System.

i. GNCTD assigned responsibility, management and operations of twenty -two (22) open drains, which are out falling in river Yamuna to I&FC Department as one single department/agency vide order dated 29/04/2024 of ACS(UD).

ii. Irrigation & Flood Control Department, GNCTD informed that the quantity survey for desilting have been surveyed but one drain namely Abul Fazal drains belong to UP, Government and same is not been done due to territorial issue. Further it was informed that they will initiate actions as submitted under :

a) Preparation of scheme/estimates and issue of A/A & E/S by 30.11.2024
b) Tendering of works and award of works of agency/contractor 31.12.2024.
c) Start of works by 01.01.2025.
d) Completion of desilting by 31.05.2025.

The Chief Engineer, I&FCD also informed that removal of encroachment will be done simultaneously /after receipt of details/inventory and identification of the same with the help of STF/DTF.

iii. I&FCD informed that preliminary estimate amounting to Rs.404.60 crore has been prepared and it is forwarded to Finance Department GNCTD for conducting EFC and making budgetary provision of 274.98 crore for the year 2024-2025, however some queries have been raised by FD and same are being compiled.

iv. Chief Secretary, GNCTD directed the I&FCD to expedite the assigned work and asked them to meet the dead lines as submitted before the Hon'ble High Court.

(Action: I&FCD)

v. The assessment of silt as well as the de-siltation done by the drain owning agencies in the 21 drains was discussed. MCD informed that they have de-silted their drains more than the silt assessed. But for future they are going to hand over these drains to I&FCD, but had not yet handed over the same due to non-availability of documents required by I&FCD related to these drains.

vi. Chief Secretary directed the I&FCD to take over the drains on a 'as is where is' basis, while Divisional Commissioner was directed to resolve the issue of land records between I&FCD and drain owning agencies It was reiterated that the government order dated 29.04.2024 should be complied with, without further delay.

(Action: MCD/I&FCD)

vii. The Execution Application No.5/2024 in OA No.6/2012 Nizamuddin West Association Vs. UOI & Ors in the Hon'ble NGT on cleaning Barapullah drain including de-silting vide which an affidavit was filed before the Hon'ble NGT on 20/8/2024 by the Chief Secretary Delhi was also discussed and time lines mentioned in the said affidavit are to be complied with. Head of Departments were directed to review the designated work as mentioned in the said affidavit according to the time-lines provided by them in order to avoid adverse remarks of Hon'ble NGT.

(Action: I&FCD/MCD,DJB,REVENUE, INDIAN RAILWAY, PWD & ASI)

3. **Rejuvenation of Water Bodies.**

i. It was informed that out of 1367 water bodies ground truthed by the Revenue Department, 674 were found existing on the ground. (48.5%).

ii. Chief Secretary, GNCTD directed the Wetland Authority of GNCTD to pass appropriate orders on rejuvenation of existing water bodies as per their ownership departments and place the same on the website for public access.

(Action: Wetland Authority of Delhi)

iii. Revenue Department represented by the Divisional Commissioner was directed to ensure that all the DMs make the entries of water bodies in their revenue records

and monitor the officers to whom responsibilities of each such water body have been assigned and ensure compliances.

(Action: Revenue Department)

iv. Chief Secretary GNCTD directed all the DMs to comply with other directions of the Hon'ble High Court such as estimate preparation, floating of tender and completing restoration of the water bodies without fail within timelines.

(Action: Revenue Department)

v. It was informed that committees responsible for ground truthing and rejuvenation of these water bodies and execution of projects at ground at District Level was constituted at all districts. Consolidated action taken reports after compiling from all districts to be submitted by DM(HQ) to IDMC to further monitor the execution of water bodies projects, are pending with DM (HQ). Divisional Commissioner was requested to sensitise the officer concerned.

(Action: Revenue Department)

4. Rain Water Harvesting

i. RWH system is provided at 7594 Government buildings, where it is feasible to have RWH. Remaining installations are in process in 860 buildings. The IDMC reiterated that all concerned departments including MCD, Education (schools and colleges), DUSIB, DDA, PWD, DTC, NDMC, DSIIDC, DTTDC, CPWD, Railways etc. shall arrange to provide RWH systems on an urgent basis as the designated date was 30.09.2024, and the timeline for the said action is already due.

(Action: All departments concerned including MCD, schools and colleges, DUSIB, DDA, PWD, DTC, NDMC, DSIIDC, DTTDC, CPWD and Railways)

ii. DJB shall coordinate the issue of Rain Water Harvesting with all departments and would be nodal agency to coordinate and furnish report to IDMC.

(Action: DJB)

iii. IDMC had directed that the Occupation Certificate shall only be provided by Municipal authorities such as MCD, NDMC and DCB only after installation of RWH, wherever applicable. The ULBs shall ensure submission of data to the IDMC without fail.

(Action: All ULBs)

iv. It was informed that thirty-three recharge pits were identified by DJB in low lying areas, and further, all stake holders' departments were also requested by DJB to submit the details.

v. The IDMC noted that there is no substantial progress in creating RWH systems / pits in low lying areas other than as stated above Para.

vi. All land/ building owning agencies including the Forest Department were directed to assess low lying areas and decide targets for construction of RWH systems /recharge pits in these identified areas and submit a report to IDMC, and DJB needs to coordinate with the concerned departments.

(Action: All departments concerned including DJB, MCD, DUSIB, DDA, PWD, Forest Department, DTC, NDMC, DSIIDC, DTTDC, DCB etc.)

5. **Restoration and rejuvenation of Yamuna River Flood Plains**

i. It was informed that DDA is complying with all the directions of Hon'ble NGT Court mentioned in Para 20 to 25 of its judgement and is submitting reports to IDMC. That DDA has reclaimed about 1536.22 acres of land since May 2022 to October 2024.

ii. DDA was asked to comply with direction on encroachment removals through systematic means after a thorough assessment. It was appraised that in Hon'ble High Court in contempt case WP(C) 715/2015 and WP(C) 5751/2014 - Sh. Vijay Kumar Diwakar Vs SDMC & Ors on 27.03.2024 DDA is using latest technology like satellite images and drone photographs to find out the current status of the land in Zone O. DDA was directed to analyse the data and file a report with the HLC appointed by the NGT as well as the IDMC.

iii. The HLC referred to in the judgment was constituted by Hon'ble NGT on demarcation of flood plains as well as encroachments vide order dated 17.10.2023 in OA No. 537/2023.

iv. The HLC under Chief Secretary had directed Revenue Department and DDA to submit encroachment status including built up area (Govt./ Private) in the floodplain to the HLC. It was informed that the actions were not complete. The Revenue Department and GSDL were asked to comply with the directions of the HLC and submit ATRs to the Department of Environment, GNCTD.

(Action: Revenue Department, DDA, GSDL)

v. DDA submitted an action taken report on development of ten bio-diversity parks in Yamuna River Flood Plain including an action plan with timelines for completion of pending projects, which is reproduced below:

S. No.	Name of Project	Area (Ha)	Timeline
01	**Kalindi Aviral**	100	Completed But Currently damaged partly due to NCRTC Works
	Kalindi Aviral Extension	163	31/03/2025 (Baansera Approx. 50 Ha is completed, Rest Area is to be developed)
02	**Asita East** (Part A) DDA Land	93	Completed
	Asita East (Part B) UP Portion	107	30/09/2024
03	**Amrut Bio-Diversity (116.5 Ha)**		
	Part A	90	30/07/2024
	Part B	18	30/07/2024
	Part C	8.25	Handed Over to CPWD
04	**Asita West/ Yamuna Vatika** (Part B)	107	Phase-I works Completed
05	**Kalindi Biodiversity Park**	115	Within 9 months after completion of NHAI project
06	**Ghat Area (66 Ha)**		
	Part A: (Qudsia Ghat/ Vasudev Ghat)	16	30/07/2024
	Part B: (Surghat)	13.6	30/06/2025
	Part C: Eco Trail	33	
	Yamuna Bazar	3.4	
07	**Yamuna Vanasthali**	236.5	Phase-I works Completed
08	**Mayur Nature Park (397.75 Ha.)**		
	Part A	235	31/03/2026
	Part B	162.75	
09	**Hindon Sarovar (45 Ha)**		
	Part A	15	30/04/2025
	Part B	30	
10	**Eco Tourism Area (30 Ha)**		
	Part A	22.7	Yet to be Planned
	Part B	7.3	

vi. **It was observed that there were slippages in timelines and DDA was directed to coordinate and expedite works pertaining to restoration of Yamuna Flood plain.**

(Action: DDA)

6. **Rejuvenation of River Yamuna**

i. DDA informed that three meetings were held on 24th April, 31st May, 2024 and 8th July, 2024, and it was made clear that if agencies fail to remove Malba etc. by 20th June, DDA will take up works at cost of Defaulters. NCRTC, PWD, DMRC and NHAI have submitted reports to DDA on the quantum of Shutter material / Soil/ C&D /concrete blocks etc. removed. DDA is also taking up the matter of Government infrastructure projects in the flood plains with the concerned agencies. As such the majority of agencies have carried out the work in befitting manner and progress during the site visits were noticeable. Work of some agencies such as Railways, DMRC and PWD are on-going due to which they are unable to remove the construction materials. Piers etc which are required for safety of the Bridges as mentioned in their compliance. Joint inspection reports have already been submitted.

ii. IDMC was informed that DDA had declared nodal officers for each stretch of the floodplain who would be responsible for sustained upkeep of their jurisdictional area free from encroachment and free of construction & demolition ("C & D") waste. Accordingly Nodal Officers of DDA undertook the site visits to access the Malba/Waste yet to be removed by the Agencies. Letters were sent to Agencies with photographs to comply with the directives of the Court. DDA was directed to take note of Hon'ble High Court's timeline viz. 30.06.2024, wherein the DDA was directed by the Hon'ble Court to take up cleaning works at cost of defaulters.

iii. **Regarding development of a large facility of requisite capacity to convert 100% C & D waste generated in this city into aggregate (Rodi)/tiles/paver blocks etc. for use in public infrastructure, MCD informed that the new proposed C & D waste processing plant is at Tehkhand of 1000 TPD capacity and tenders were received on 05.07.2024 and the work is likely to be awarded by December, 2024. MCD was directed to expedite the said task in a time bound manner.**

(Action: MCD)

iv. Similarly, action plan along with timeliness was submitted earlier by MCD on installation of Bio-gas plants near all authorised dairies in Delhi for creation of dry manure and biogas fuel / Compressed Biogas (CBG) production. MCD informed that the timeline for Nangli (NGZ) (215 TPD) is pushed from September to November, 2024 due to unforeseen circumstances.

v. Controlled and scientific dredging: The Hon'ble High Court had directed that this exercise shall be done on a war footing and be completed by 30th June, 2025. DDA informed that the matter was taken up with concerned authorities, such as Irrigation and Flood Control, NMCG etc., for carrying out controlled and scientific dredging for removal of silt both upstream and downstream and for creation of series of small ponds adjoining the river to improve the carrying capacity of the river Yamuna.

vi. IDMC had directed in the previous meeting that the CWC report on dredging of river Yamuna be obtained and submitted by I&FCD to the IDMC before the next date of hearing, but the same is shall awaited. (Action: I&FCD)

vii. It was decided that DDA shall pursue and spearhead this mechanism for seamless coordination with CWC, I&FCD, NMCG etc. (Action: DDA)

viii. Treatment of Sewage: It was reiterated that GNCTD was directed to ensure that treated water from STPs shall meet the prescribed norms and the existing capacity of STPs be increased from 667 MGD to 964.5 MGD by 31st March, 2025. The plan for capturing sewage in the unauthorised colonies and Jhuggi Jhopri (JJ) clusters was also discussed. DJB had submitted an action plan, which was submitted to the Hon'ble High Court. DJB was asked to comply with the timelines, prescribed by the Hon'ble Court.

7. Interconnection of storm water drains with sewerage network & vice versa

i. It was directed by the Hon'ble High Court that GNCTD shall submit an action plan with timelines with regard to 121 points where storm water is still entering into sewerage drains, and 191 points where sewage is entering into storm water drains, and all such interconnection points shall be tapped by 30th June, 2024 but yet to be completed.

ii. Action taken on 121 points where storm water is still entering into sewerage drains (actual points are 120) were briefed to the IDMC that 73 points have been disconnected and no intervention is required at 24 points. The balance points are 23 on which action is required, the status of which are given below as discussed:

Department	Status of Drain	No. of Drain
PWD	Sewage from Prem Nagar (DJB)	1
	Sewage from adjacent properties (Malviya Nagar, Adhchini) at multiple locations	2
MCD	Work in Progress (Timeline: 31.12.2024)	7
	Dropped/ disconnected	12
	Under award	4

iii. **MCD was directed to expedite the tapping of said interconnections.**

(Action: MCD)

iv. PWD was directed to conduct joint inspection with DJB and offer technical solution on the pending 3 inter-connections. **(Action: PWD and DJB)**

v. Regarding tapping of 191 points, it was submitted that no action is required on 151 points, because these are either Trapped or Dry or Only Storm Water or out fall of WTP/STP; while 06 locations are not traceable; and action is required on the remaining 34 locations. DJB has submitted that action is required to tap 24 locations and to make operational 10 locations, which are tapped but either not functional or partially tapped.

vi. **DJB was directed to expedite the tapping, and a joint team of DJB and MCD shall trace the locations of six interconnections immediately within a week.**

(Action: DJB and MCD)

vii. **DJB submitted in the previous meeting that they have prepared another list of specific locations where storm water is entering into sewerage drains. DJB was asked to get the same verified through field inspections along with MCD and I&FCD, and submit a report to the IDMC before the next meeting which is still pending. MCD and I&FCD were also asked to submit a report if there were any more locations where sewage was entering into storm water drains to the IDMC before the next meeting, so that this exercise becomes comprehensive.**

(Action: DJB and MCD)

8. Industrial Discharges

i. It was submitted by MCD that survey and closure of unauthorized / impermissible industrial units operating in residential areas is being carried out by the Zonal Officials of MCD. 12 Joint teams including members from DPCC, BSES, DJB, etc have been constituted which are carrying out survey of all such illegal industrial units and all such units are sealed as well as electricity and water connections are disconnected on the spot.

ii. During October, 2024, 182 units running in non-conforming areas have been surveyed and out of which 24 units have been sealed.

iii. **Chairman highlighted that the magnitude of existence of such illegal units in residential areas might be larger and hence MCD was directed to intensify the inspections and take substantial action in the residential areas along with other**

members of the joint teams such as DPCC, BSES, DJB, etc

(Action: MCD, DPCC, BSES, DJB, etc)

9. Water-logging points within City

i. It was informed that in 2023, a total of 308 Nos. water logging locations were forwarded by Delhi Traffic Police. Amongst these, short term measures such as deployment of temporary pumps, frequent cleaning of bell mouths & drains solved the water logging at 215 locations. At 50 locations, long term measures such as construction of drains / re-modeling of drains is completed and at 43 remaining locations similar work is being under taken by concerned department. Moreover, 78 water logging locations were reported this year by the Delhi Traffic Police, wherein 72 water -logging locations were tackled with short term measures and remaining 6 locations require long term measures and the timeline is May, 2025.

ii. It was directed that PWD shall coordinate pro-actively the issue of water logging at all vulnerable locations with stakeholder departments and the locations where short term and long term measures are undertaken now shall also be continuously monitored.

(Action: PWD)

(i) **Zakhira Underpass:-**

a. Construction of Drain in Railways jurisdiction completed by Railways and further connection of drain work will be done by PWD.

b. Construction of RCC box type drain under main carriageway after shifting of various underground services falling in the alignment of drain from Railway and New RCC drain (Rama road starting point) to Najafgarh drain near Ashoka Park, Rohtak Road will be carried out after receipt of A/A and E/S of the competent authority.

c. Time Line:- 30.06.2025

d. PWD was directed to rationalise the timeline of 30.06.2025.

(Action: PWD)

(ii) **Loni Road Golchakkar :-**

a. **PWD informed that desilting of drain/ sump well of pump house is being done manually and mechanically to avoid water logging at Loni Road Golchakkar, and that electrical pump is ready and shall be operated during**

water logging at said location. PWD was directed to keep a vigil at this location and ensure non-recurrence of water logging in the coming year.

(Action: PWD)

(iii) Karala Kanjhawala:-

a. **PWD informed short term measures are in place and regarding long term measures; it was apprised that the existing old drainage system along the stretch is of inadequate capacity and requires complete remodeling for efficient functioning and catering the increased discharges and preventing water logging.**

The drainage scheme prepared by consultant was not found feasible and revision in under process, on which administrative decisions shall be taken by 31.01.2025.

(Action: PWD)

10. Usage of Technology for monitoring

i. It was apprised that OLMS is installed in all 13 CETPs & 37 STPs and monitoring is done on real time basis, and system generated email and SMS alerts are being sent. DPCC is under the process of procurement of on-line monitoring systems (OLMS) to monitor various parameters of drains and river on real time basis. First tender didn't get responsive bidders, and hence a second tender is being floated. Real time data is made available in public domain and Centralized Command and Control Center in IT Park is set up.

ii. **DPCC was directed to expedite action in this regard.**

(Action: DPCC)

11. Third Party Audit

i. It was briefed that Urban Development Department has directed all concerned departments to conduct third party audit of their interventions. To cross check efficiency of such Third Party Audit at the ground level in all the departments, UD department had constituted a special committee under Special Secretary, UD vide order dated 24.06.2024. Let this report of the special committee be finalized without further delay. It has been informed that DSIDC and DPCC has already engaged the agency to carryout the third party audit.

ii. **All departments were directed that such reports of third party(s) audit shall be made available in the public domain immediately and Urban Development shall ensure the compliance of Hon'ble High Court in time bound manner.**

(Action: UD and all concerned departments)

12. Drying up of Lake Bhalaswa and threat of encroachment

i. **DDA and the Revenue Department was directed to take necessary action as far as encroachment is concerned, but no ATR in this respect is submitted to IDMC.**

(Action: DDA and Revenue Department)

ii. DDA submitted that in situ bio-remediation process with manual removal of floating material on daily basis is being done for cleaning of Lake but it was informed to the members that BOD, COD and FC values are not satisfactory. DDA was directed to submit a plan to improve the quality of water. **(Action: DDA)**

iii. Other issues affecting the lake as highlighted in an earlier Hon'ble NGT case (OA No. 105/2021 disposed of on 21.05.2021), where following *remedial measures are to be taken by various departments was briefed to the IDMC:*

a. Cow dung from diary owners into storm water drain into lake into damage storm water drain - Interceptor drain to intercept incoming dung into the supplementary drain was completed by DJB. I&FCD was requested by DJB for permission which shall be examined by I&FCD. **(Action: I&FCD)**

b. DJB was constructing RCC box drain for trapping (2022) but no updates are received.

c. Repair of damaged storm water drain by PWD

d. Construction of damaged boundary wall by DDA along Bhalswa dairy village

iv. The above said departments viz. DDA, PWD, DJB including DTTDC (responsible for development of picnic/ water spots) were directed to complete actions with regard to prevention of pollution flowing into the lake, as well as submit an action plan with timelines to ensure rejuvenation and protection of Lake Bhalswa.

[Action: DDA, DJB, PWD and DTTDC]

13. Desilting of Sewers and Storm water drains:

All the departments responsible for desilting sewers and storm drains, such as PWD, MCD, I&FCD, NDMC, DDA, DSIIDC & DCB have confirmed the data submitted to the Hon'ble Court on quantum of silt removed from the sewers and storm water drains, which is represented below:

i. **Desilting (Trunk/peripheral Sewer : Approx 200 Km)**

S.No.	Particulars	Total length (Km)	Cumulative Length Desilted (Km) as on 31.10.24	Timelines
I	**Desilting of 90.34 Km**			**Dec. 24**
1	Yamuna Vihar STP	7.65	7.65	Completed
2	Rithala-Rohini STP	19.21	19.21	
3	Narela STP & Coronation Pillar STP	8.05	8.05	
4	Keshopur STP	2.84	2.84	
5	Nilothi STP	4.65	1.34	Dec. 2024
6	Kondli STP in east zone	8.76	5.77	Completed
7	Dwarka STP	27.10	22.16	Dec. 2024
8	Okhla STP	11.51	9.50	Completed
9	Desilting of gravity duct no. 1	5.20	5.20	Completed
	Total	94.97	81.72 (86.04%)	
II	**Desilting of remaining 110 Km**	**110 (RL 36 km)**	**Nil**	**Dec-25**

ii. **Desilting (Trunk/peripheral Sewer : Approx 200 Km)**

S.No	Particulars	Total length (Km)	Cumulative Length Desilted (Km)	Timelines
3.	Desilting of Sewer lines (below 1000 mm Dia)	529.5	380.00 (71.76%)	Dec. 2024

iii. Desilting of storm-water drains

Name of the Department	Total length of storm water drains (KM)	Silt assessed to be removed this year (MT)	Desilting done during this year (MT)	Timeline for complete desilting
PWD	2064.08	225000	244149	31.12.2024
MCD	466.517 (having depth 4 ft. & above)	127368.01	83834.56	15.01.2025
	6657 (having depth less than 4 ft.)	82642	82642	Completed
I&FC Deptt.	426.55	1505438	1367617	30.06.2025
NDMC	335.29	2000	2000	Completed
DDA	423.513	45000	44953	Completed
DSIIDC	524.81	80000	80000	Completed
DCB	39	732 Approx.	732 Approx.	Completed
Total	**10936.76**	**2068180.01**	**1,905,927.56**	

(Action: PWD, MCD, I&FCD, NDMC, DDA, DSIIDC & DCB)

Chief Secretary informed that monthly action taken reports in compliance with the directions issued vide judgment dated 08th April, 2024 are being submitted to the Hon'ble Court. Intensified actions for complying with the directions issued by Hon'ble Court needs to be reflected in the future monthly action taken reports by all the concerned departments, and erring officers will be held accountable in case of non-compliances.

Chief Secretary GNCTD has taken the note of above-mentioned discussions and accordingly directed the Officers of concerned departments to take appropriate action within the timelines set by the respective departments and submit their action taken reports on regular basis to the Head of IDMC Cell and concluded the meeting.

(K.S Jayachandran)
Special Secretary, IDMC

To,

1. Additional Chief Secretary, Department of Urban Development
2. Additional Chief Secretary, Department of Revenue
3. CEO, Delhi Urban Shelter Improvement Board
4. Additional Chief Secretary, Irrigation and Flood Control Department
5. Commissioner, Municipal Corporation of Delhi

6. Pr. Secretary, Department of Environment & Forest
7. CEO, Delhi Jal Board
8. Pr. Secretary, Public Works Department
9. Vice-Chairman, Delhi Development Authority
10. Secretary, New Delhi Municipal Council
11. MD, Delhi State Industrial and Infrastructure Development Corporation
12. CEO, Delhi Cantonment Board
13. Member (Dr), Delhi Jal Board
14. Member (W), Delhi Jal Board
15. Incharge, WMC-II (Delhi Pollution Control Committee)
16. Chief Engineer (Irrigation and Flood Control Department)
17. Chief Engineer (Public Works Department)
18. Chief Engineer (New Delhi Municipal Council)
19. Chief Engineer (Central Public Works Department)
20. Chief Engineer (Delhi Development Authority)
21. Chief Engineer (Municipal Corporation of Delhi)
22. Consultant (Delhi Cantonment Board)
23. Chief Engineer (Delhi State Industrial and Infrastructure Development Corporation)
24. Chief Engineer (Delhi Urban Shelter Improvement Board)

Copy also for necessary action to:-

1. Pr. Secretary, Services Department, Govt. of NCT of Delhi
2. MD& CEO, Delhi Tourism & Transportation Development Corporation Ltd (DTTDC), 18-A, DDA SCO Complex, Defence Colony, New Delhi
3. Secretary (Higher Education),BTE Complex, Muni Maya Ram Marg, Pitampura, Delhi
4. MD, Delhi Transport Corporation, DTC (HQ) Govt. of NCT of Delhi
5. Secretary, New Delhi Municipal Council (NDMC), Palika Kendra Parliament Street, New Delhi
6. Director General, Central Public Works Department (CPWD), A-Wing, Room No.- 101, Nirman Bhawan, New Delhi
7. Principal Chief Conservator of Forests, Department of Forests and Wildlife, Govt. of NCT of Delhi
8. CEO, Wetland Authority of Delhi, Department of Environment, Govt. of NCT of Delhi.
9. General Manager, Northern Railway, NDCR Building, State Entry Road, New Delhi.
10. CEO, Delhi Cantonment Board (DCB), Sadar Bazar, Delhi Cantt.
11. MD, Geospatial Delhi Limited (GSDL)
12. District Magistrate (New Delhi), New Delhi District 12/1, Jam Nagar House , Shahjahan Road, New Delhi

13. MD, Delhi State Industrial and Infrastructure Development Corporation Ltd (DSIIDC), N-36, Bombay Life Building, Connaught Circus, New Delhi
14. District Magistrate (West), Plot No. 3, Shivaji Place, Raja Garden, Delhi.
15. CEO, BSES

Copy to:-

1. Staff officer to Chief Secretary: for kind information please.
2. Secretary to Home Minister (U.D.).
3. Special Secretary to Hon'ble Chief Minister.

(K.S Jayachandran)
Special Secretary, IDMC

Annexure 07

DELHI POLLUTION CONTROL COMMITTEE
WATER LABORATORY
4th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-06
visit us at : http://dpcc.delhigovt.nic.in

WATER QUALITY STATUS OF RIVER YAMUNA

REPORT NO: DPCC/W/Y/2024/1424 Dated: 28/11/2024
DATE OF SAMPLING: 06/11/2024

S. No.	Locations	Latitude Longitude	pH	COD (mg/l)	BOD (mg/l)	DO (mg/l)	Fecal Coliform MPN/100ml
Water Quality Criteria ('C' Class)			6.5-8.5	-	3mg/l or less	5mg/l or more	500(desirable) 2500 (max permissible)
1	Palla	28.8138023, 77.2100181	7.06	51	3	6.1	1100
2	Wazirabad	28.7131310, 77.2319304	7.55	61	7	5.2	2600
3	ISBT Bridge	28.6713533, 77.2338207	7.12	112	47	NIL	49×10^4
4	ITO Bridge	28.6284288, 77.2534977	7.4	82	33	NIL	33×10^4
5	Nizamudin Bridge	28.5915608, 77.2715342	7.8	102	42	NIL	50×10^3
6	Okhla Barrage	77°18'49" 28°32'40"	7.55	92	39	NIL	50×10^4
7	Agra Canal at Okhla Barrage	28.545414, 77.311075	7.54	92	37	NIL	70×10^5
8	River Yamuna at Asgarpur (After confluence of Shahdara & Tuglakabad drains)	28.4657003, 77.33905231	7.56	122	54	NIL	79×10^5

I/C WATER LAB

SSA/Analyst/SLA

Scientist 'D'

DELHI POLLUTION CONTROL COMMITTEE
WATER LABORATORY
4th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-06
visit us at : http://dpcc.delhigovt.nic.in

WASTE WATER QUALITY STATUS OF DRAIN

REPORT NO: DPCC/W/D/2024/ 1425 Dated: 28.11.2024
Date of Sampling: - 06/11/2024

S.No.	Sampling location	pH	TSS (mg/l)	COD (mg/l)	BOD (mg/l)
	Standards	5.5- 9.0	100	250	30
1.	Najafgarh Drain	7.02	96	158	64
2.	Metcalf House Drain	NO FLOW			
3.	Khyber Pass Drain				
4.	Sweeper Colony Drain				
5.	Magazine Road Drain				
6.	ISBT Drain	7.84	88	117	46
7.	Tonga Stand Drain	NO FLOW			
8.	Civil Mill Drain				
9.	SEN Nursing Home Drain	7.18	148	194	80
10.	Drain No. 14	NO FLOW			
11.	Power House Drain	7.04	108	189	75
12.	Indrapuri Drain	7.56	108	179	70
13.	Sonia Vihar Drain	8.5	116	107	42
14.	Kailash Nagar Drain	7.37	112	158	62
15.	Shastri Park Drain	7.12	100	168	65
16.	Barapulla Drain	7.4	78	128	52
17.	Maharani Bagh Drain	7.48	84	148	60
18.	Old Agra Canal Drain	NO FLOW			
19.	Jaitpur Drain	7.12	104	168	65
20.	Sarita Vihar Pool	7.42	92	158	64
21.	Tuglakabad Drain	7.65	120	209	80
22.	Drain Near LPG Bottling Plant	NO FLOW			
23.	Drain Near Sarita Vihar Bridge (Mathura Road)	7.38	160	316	120
24.	Shahdara Drain	7.55	144	270	110
25.	Sahibabad Drain	7.13	144	260	105
26.	Molarband Drain	NO FLOW			
27.	Abul Fazal Drain	7.11	140	250	100

I/C WATER LAB

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SSA/Analyst/SLA

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 30th November, 2024

Annexure-09

ACTION TAKEN FOR PROTECTION OF LAND	
Demarcation of 1 in 25 year floodplains	591 Bollards erected at site; 375 Flag Posts have already been installed.
Signages	27. nos. of sign boards have been installed
Manual security	369 Security Guards have been deployed by DDA round the clock in three shifts at vulnerable points, with 3 patrolling vehicles in the Yamuna Flood Plain area from Wazirabad Barrage to Okhla Barrage to check illegal dumping of malba and to prevent encroachment. GPS monitoring of security guards & patrolling vehicles is being done.
Demolition programs	DDA has been carrying out demolitions to reclaimits land from encroachers. About 1536 acres of land is reclaimed in the past 2 years 3 months and more than 10500 Jhuggis/labor huts/semi- pucca structure, 25 religious structures, 7 dairy, 3 cricket,200 cattle shed, 20 nurseries, 40 Bore well grounds have been Demolished.
Electronic surveillance system	90 No. CCTV cameras have been installed at 27 locations from Wazirabad Barrage to Okhla Barrage to check the illegal dumping of Malba in the Yamuna Flood Plain area.
Removal of C&D Waste	72,410 metric tonnes of C&D waste lying in floodplain has been lifted to IL&FS site or utilized for development of Yamuna Project by DDA.

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 30th November, 2024

Annexure 10

	Project	Area	Water bodies	Timelines	Status
1.	**Asita East**– (Old Railway Bridge to ITO Barrage - Eastern Bank) PART A: Under the jurisdiction of **DDA**.	PART A: 90 Ha	Part A: 1	Phase I: Completed	Initial proposal of development work is completely executed
				Phase II :	Further development work in progress.
	PART B: Under the jurisdiction of **UP Irrigation Deptt.** (Deposit work)	PART B:107 Ha	Part B: 3	Phase I: Completed	Initial proposal of development work is completely executed
				Phase II : 31/03/2025	Work is stopped due to implementation of GRAP-IV **Case No:** SLP (C) 14342/2022 **Case Title:** Shakarpur Slum Union v/s DDA **Court:** Supreme court of India. **Panel lawyer**: Ms. Shalini Chandra & Mr. Sanjay Jain (ASG) **Next Date of Hearing:** 21.01.2025& No stay
2.	**KalindiAviral**- (NH24 to DND Flyway- Western Bank)	Total Area :100 Ha	3	Part A : Completed	**Part A :**Initial development work was completed but damaged by ongoing work of NCRTC.
	KalindiAviral Extension- (NH24 to DND Flyway- Western Bank)	Total Area : 163 Ha (i/c 12 Ha Baansera)		31/03/2025	**Part A :**Part of Restoration works have been damaged due to ongoing NCRTC works. NDOH:- 27/03/2025, 17/02/2025 26 Court Cases under 24(2) are pending in the Supreme Court of India. **Part B:** Proposal for development under progress. Financial concurrence completed. CLDP is in progress.
3.	**Kalindi Biodiversity Park**– (DND to proposed Kalindi By-Pass- Western Bank) Entrusted to CEMDE	115 Ha		Within 9 months after completion of NHAI project.	Project is being executed by CEDME. (Prof. C R Babu) 3 nos. Wetlands are completed in available space. Further work is held up due to NHAI work.DJB is initiating a project to tap the drains. A total of35 cases are currently active in various courts (High Court, Saket Court) **Case no:** Cont. case- 1147/2023, Next DOH:-28.02.2025 **Case no:** WP (C) 5822/2021, NDOH:- 10/12/2024 **Case no:** CS(SCJ) 1352/2023, Last DOH:- 15/07/2024 **Case no:** WP (C) 15746/2023, NDOH:- 17/12/2024

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 30th November, 2024

4.	**Asita West-** (Old Railway Bridge to ITO Barrage- Western Bank) Part A : 93 Ha (Already developed) Part B : 107 Ha (under development)	Part A : 93 Ha	Part A : 2	Part A:- Completed	Restoration work completed.
		Part B : 107 Ha	Part B : 5	Phase I: Completed	Initial proposal of development work is completely executed
				Phase II : 30/06/2025	• Cleaning of wetland, Moving of Lawn • Horticulture work Tender completed. Revised layout plan has been received and estimate has also submitted for approval accordingly. Layout Plan is being revised as per direction of Higher Authority. Case no: SLP(C) No. 9284/2023 Next date of hearing- 21.01.2025.
5.	**Amrut Bio Diversity Park-** ITO to NH-24 (Eastern & Western Bank)- Area South of CWG Village Area Part A : 90 Ha Part B : 18 Ha Part C : 8.25 Ha (Western bank) - CPWD	Part A : 90 Ha (Eastern bank)	6	PART A: Completed	Work is stopped due to implementation of GRAP-IV
		Part B : 18 Ha (Western bank)		Part B :	Part B : Work can't be taken up due to stay by Delhi High Court
		Part C : 8.25 Ha		Part C :	Part C : Area handed over to CPWD (Nav Bharat Udyan)
6.	**Ghat Area** : Wazirabad to Old Railway Bridge- Western Bank Part A : Entrusted to INTACH (QudsiaGhat)	Total Site Area- 66 Ha QudsiaGhat- 16 Ha	1	Part A : Completed	Part A : Present progress is 99% (Civil) 75% (Hort.). • Phase-I works Completed Grassing work near yudhisthirsetu in progress. Intercultural operation in planters at artisthal parking **Case no:** RCA/SCJ 17/2022, Last DOH:-30.10.2024 **Case no:** HC/LM (32198)2018 W.P.(C)9342/2018, NDOH: **18**.02.2025. **Case no:** CS No. 1191/23, Next DOH: Decision is pending & religious structure has been removed after approval of Religious Committee. **Case no:** Appt. No. 22/2023, Last DOH: 15.10.2024. **Case no:** W.P.(C)/3656/2024& CM Appl. 15121 /2024 **&**CM Appl. 15122 /2024, NDOH : 16.12.2024
	Part B : Sur ghat, Eco-trail, Yamuna Bazaar	Sur Ghat-13.6 Ha, Eco-trail- 33 Ha, Yamuna Bazaar Area- 3.4 Ha)		Part B : 30/06/2025	• Work is stopped due to implementation of GRAP-IV

7.	**Yamuna Vanasthali-** (Wazirabad Barrage to ISBT Bridge- Eastern Bank, around GarhiManduVillage&Usman pur Village)	236.5 Ha	7	Completed	• Phase-I works Completed Work is stopped due to implementation of GRAP-IV Court Cases: 1) WP(C) 7542/ 2017; NDOH- 06/12/2024,
8.	**Mayur Nature Park-** (NH-24 to DND Flyway- Eastern Bank) PART A: Under the jurisdiction of **DDA.** PART B: Under the jurisdiction of **UP Irrigation Deptt.**	Total Area-397.75 Ha PART A: 235 Ha PART B: 162.75 Ha	----	31/03/2026	i. The land demarcation completed. ii. LM Department informed that approximately 119 Ha of land has been de-notified out of the total 235 Ha. iii. Accordingly, the revised landscape proposal is ready. iv. Demolition program has been carried out and approx. 390 Ha area of land has been reclaimed. The work of UP Irrigation land of 162.75 Ha is to be taken up on deposit work basis. **Case no:** W.P.(C)2504/23, Last DOH:-26.11.2024(Judgment Reserved) Case no: W.P.(C)7563/23, Last DOH:-26.11.2024 (Judgment Reserved)
9.	**Eco-Tourism Area-** (Geeta Colony Bridge to ITO Barrage- Western Bank)	30 Ha	---	Yet to be planned	Area falls outside the 1 in 25 year floodplain. Proposal will be taken up once the 'O-II' is finalized after notification of MPD-2041.
10.	**Hindan Sarovar-** (NH-24 to DND Flyway- Eastern Bank) Part Area-II-**Hindon Cut Wetlands I&II** PART A: Under the jurisdiction of **DDA.** PART B:Under the jurisdiction of **UP Irrigation Deptt.** (Deposit work)	Total Site Area-53.6 Ha PART A: 15 Ha PART B:30 Ha		31/03/2026	Proposal under progress.

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 30th November, 2024

Annexure 11

ACTION TAKEN FOR PROTECTION OF LAND	
Demarcation of 1 in 25 year floodplains	591 Bollards erected at site; 375 Flag Posts have already been installed.
Signages	27. nos. of sign boards have been installed
Manual security	369 Security Guards have been deployed by DDA round the clock in three shifts at vulnerable points, with 3 patrolling vehicles in the Yamuna Flood Plain area from Wazirabad Barrage to Okhla Barrage to check illegal dumping of malba and to prevent encroachment. GPS monitoring of security guards & patrolling vehicles is being done.
Demolition programs	DDA has been carrying out demolitions to reclaimits land from encroachers. About 1536 acres of land is reclaimed in the past 2 years 3 months and more than 10500 Jhuggis/labor huts/semi- pucca structure, 25 religious structures, 7 dairy, 3 cricket,200 cattle shed, 20 nurseries, 40 Bore well grounds have been Demolished.
Electronic surveillance system	90 No. CCTV cameras have been installed at 27 locations from Wazirabad Barrage to Okhla Barrage to check the illegal dumping of Malba in the Yamuna Flood Plain area.
Removal of C&D Waste	72,410 metric tonnes of C&D waste lying in floodplain has been lifted to IL&FS site or utilized for development of Yamuna Project by DDA.

Annexure-12

Reuse of Treated Wastewater

<table>
<tr><th>S.No.</th><th>Particular</th><th>Quantum in MGD</th></tr>
<tr><td>1</td><td>Quantum of Available Treated STP Water</td><td>596.6 (Nov., 2024)</td></tr>
<tr><td>2</td><td>Mandatory Return Flow in River Yamuna</td><td>267
(As per MOU of 1994)</td></tr>
<tr><td>3</td><td>Present Use of Treated STP Water</td><td>About 125 MGD
[90 MGD for Horticulture in various parks in Delhi including Millennium Park in I.P Estate, Japanese Garden in Rohini, various parks in NDMC area , DTC Depots, PPCL + 35 MGD in Artificial Lakes / Water Bodies (Pappankalan, Nilothi & Najafgarh, Sanjay Van, Smriti Van Kondli & Sanjay Lake , Kondli, Dwarka)] developed by DJB.</td></tr>
<tr><td>4</td><td>Proposed Use of Treated STP Water</td><td>Presently, 100 MGD Treated Effluent is generated from Coronation Pillar Ph I & II STPs.

Following is the breakup of use of 100 MGD Treated Effluent :
21.5 MGD is currently used by IFCD for horticulture / farming purposes.
Regarding balance 78.5 MGD tentative usage plans is as follows:
a. 28.5 MGD to be used in marshy land of Coronation Pillar STP,
b. 30 MGD to be used in Jahangir puri drain for ground water recharge and
c. 20 MGD to be used in Bhalaswa Lake & DDA Golf Course.

Regarding the proposed usage of 78.5 MGD Treated Effluent in principle approval from Hon’ble (Minister) has been received and prior to estimate studies for viability of the proposal has to be carried out .</td></tr>
<tr><td>5</td><td>Balance Available Treated STP Water</td><td>104.6 MGD
DJB has following projects for use of remaining treated STP Water for Development / Rejuvenation of Lakes :
<table>
<tr><th>Project</th><th>Treated Water Use (in MGD)</th><th>Progress Cumulative</th><th>Timelines</th></tr>
<tr><td>Sanjay Lake Kondli</td><td>10</td><td>100%</td><td>Pipe line work completed & filling started</td></tr>
<tr><td>Smiriti Van / Lake and nearby areas from Kondli STP.</td><td>10</td><td>100%</td><td>Lake has been filled</td></tr>
<tr><td>Rohini Lake No.1</td><td>15</td><td>98.5%</td><td>December, 2024 (Earlier Timeline was August, 2023)</td></tr>
<tr><td>NTPC Eco Park</td><td>5</td><td>77%</td><td>June,2025 (Earlier Timeline was July, 2023)</td></tr>
<tr><td>Okhla</td><td>20</td><td>tender received and under Financial concurrence</td><td>December, 2024 (Earlier Timeline June, 2024)</td></tr>
<tr><td>Rohini Lake No.-2</td><td>15</td><td>100%</td><td>December, 2024 (Earlier Timeline March, 2024)</td></tr>
<tr><td>Total</td><td>75</td><td></td><td></td></tr>
</table></td></tr>
</table>

DJB has approved the policy of supplying treated effluent for irrigation purposes, for supply to farmhouses for horticulture and recharging of ground water schemes are in progress for supply to farmhouses from Mehrauli, Kapashera, Narela and Okhla STPs. Further schemes of recharging ground water are also in progress from Yamuna Vihar, Pappankalan, Najafgarh, Keshopur, Rithala, Kondli, Okhla, Coronation Piller STPs.

Number of Tankers Deployed

S.No.	Agency	No. of Tankers Engaged
1	CPWD	03
2	DDA	8
3	DJB internal Horticulture use	21
4	DTC	04
5	IL & FS	01
6	Forest	7
7	L&T	03
8	MCD	07
9	NBCC	05
10	NHAI	02
11	North West MCD	01
12	Private Agencies	167
13	PWD	157
14	SDMC	23
15	SMCD	5
16	EDMC	34
	TOTAL	**448**