



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/ 3000 - 3001

Dated: 20/09/2024

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 August, 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 August, 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 July, 2024 was submitted vide letter dated 30.08.2024.

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 August, 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 : **2764.5 MLD (608.1 MGD)**
 (85.4 % of Treatment Capacity)
- MLD of sewage being treated through Alternate technology : Nil

• Gap in Treatment Capacity	: 363.7 MLD (80 MGD) [792 – 712 MGD] (10.1 %)
• Gap in Treatment	: 835.5 MLD (183.9 MGD) [792 – 608.1 MGD] (23.2%)
• No. of Operational STPs	: 39 (Refer Annexure-1)
• No. of Complying STPs	: 17 w.r.t. Standards prescribed by DPCC (BOD/TSS: 10/10 mg/l)
• No. of Non-complying STPs	: 21 (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 expected to be commissioned by Sept, 2024.
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 almost completed).
- (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: 712 MGD (38 STPs) in August, 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 – 97.50 % Progress in August, 2024 : 0.20 %]	30	September, 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 stage which will be completed by 30.09.2024).
2	Sonia Vihar (New STP) of 7 MGD Capacity (Under Construction) [Physical Progress - 98.75 % Progress in August, 2024: Nil]	07	October, 2024 (Earlier Timeline Sept,2023)
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
4	Kondli Phase- II of 25 MGD Capacity [Physical Progress: : 97.90 % Progress in August, 2024 : Nil Liquid line started on 24.06.2023.	-	September, 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 : 99.19 % Progress in August, 2024 : 0.37 %]	40*	Almost Completed (Revised Time Line for Commissioning to be informed by DJB) (Under Test & Trial Run, included in 712 MGD capacity)
6.	Yamuna Vihar Ph-II (From 10 MGD to 15 MGD, Under Rehabilitation & Up-gradation, Presently in operation with 15 MGD Capacity) [Physical Progress : 96%] Progress in August, 2024 : 1%	05*	Revised Time Line to be informed by DJB (Earlier Timeline Sept. 2023, included in 712 MGD capacity)
	Total Addition in Capacity of STPs	92	45* MGD Capacity included in Total Capacity of 712 MGD

Status of 40 New Proposed Decentralised Sewage Treatment Plants (DSTPs) [92MGD]		
A. 26 DSTPs of total Capacity of 60 MGD		
19 DSTPs (Land already allotted)		29 DSTPs (57.57MGD) – By December, 2024
07 DSTPs (Land is yet to be allotted**)		
B. 14 DSTPs in Najafgarh Drainage Zone of total Capacity of 32 MGD		11DSTPs (34.43 MGD) –12 Months after allocation of land
11 DSTPs (Land already allotted)		
03 DSTPs (Land yet to be allotted **)		
Up-gradation / Augmentation of Remaining 18 Existing STPs of total Capacity of 113.5 MGD	113.5	March, 2025
Total Addition by December, 2024	210	
Total Addition by March, 2025	252.5	
Grand Total Capacity by March, 2025	712 + 252.5 =964.5MGD#	

Total Capacity of STPs by December, 2024 - 822.5 MGD [712 MGD + 110.5 MGD]

Total Capacity of STPs by March, 2025 - 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.

* Timelines are subject to availability of land from DDA/ MoHUA.

**Timelines are subject to availability of land from Land Owning Agencies (DDA/ Revenue Deptt.)

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 March, 2025.

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 August, 2024 is at <u>Annexure-1</u>				

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 DSTPs matter is being pursued with land owning agencies. - 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. Tenders have been received /invited / being invited in case of 32 DSTPs. Out of balance 8 DSTPs, estimate for 6 DSTPs are under approval/preparation
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 in various stages. - 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 DJB on 21.06.2024 and 01.07.2024. Estimates for both GOCs are being prepared.	Land for balance 2 DSTPs is yet to be allocated by DDA / Revenue Deptt. and expected to be completed within 18 months after land allotment.

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

Total flow to be trapped	Provision of trapping made during the month of August, 2024	Cumulative Status as in August, 2024 Provision of trapping made	Time line for completion of work	Remarks
1100.86 MLD (242 MGD)	-	1082 MLD (238 MGD)	Completed	Entire flow shall be trapped & treated after completion of rehabilitation of Coronation Pillar, Rithala and Kondli STPs under YAP-III.

Status of Sewerage Network in Unauthorized Colonies (As provided by DJB) (No Progress in the month of August, 2024)

Sl. No	Status	Commutative Status (As on 31.08.2024) (No.)
1	No. of Unauthorized Colonies where Sewer line laid	1151
2	No. of Unauthorized Colonies where sewer line will be laid by December, 2025	427
3	No. of Unauthorized Colonies where sewer line will be laid after handing over possession of land for 4 DSTPs.	97

4	No. of Unauthorized Colonies where sewer line will be laid after issuing of NOC by Forest / ASI / UD Deptt.	107
5	No. of Unauthorized Colonies Not Traceable / Not existing	17
	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 August, 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 August, 2024	Cumulative Septage Treated by DJB (As on 25.08.2024)
164	86	3.81 Crore Litres	215.3 Crore Litres

On an average 15.24 Lakh liters septage per day was collected and treated at STPs of DJB in August, 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 (However flow observed on 06.08.2024 in Khyber Pass , Sweeper Colony & Magazine Road Drains due to rainy season)
- 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 August, 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 20.08.2023):

• No. of Industries / Units in 28 Approved Industrial Areas	: 29330
• No. of Industries / Units in 17 Approved Industrial Areas (out of 28 Approved Industrial Areas) connected with 13 CETPs	: 26011
• No. of Industries / Units in 11 Approved Industrial Areas (out of 28 Approved Industrial Areas) not having CETPs (Having Individual ETPs).	: 3319
• No. of Water Polluting Industries / Units in 28 Approved Indl. Areas	: 1369
• No. of Water Polluting Industries/ Units in 17 Approved Indl. Areas (out of 28 Approved Indl. Areas) connected with 13 CETPs	: 1097
• No. of Water Polluting Industries/ Units in 11 Approved Indl. Areas (out of 28 Approved Indl. Areas) not having CETPs (Having Individual ETPs)	: 272
• 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)	: 29.65 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)	: 25.57 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)	: 4.08 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)	: 1369 ETPs
• Compliance Status of the ETPs	: -
• Number and Total Capacity of CETPs (Details of Existing/ Under Construction / Proposed)	: Existing CETPs-13(List at <u>Annexure-4</u>) Capacity – 212.3 MLD (Utilization – 59.59 MLD) (28.1 %) 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 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	29330	29.65 MLD	-	Existing – 13 CETPs List along with Compliance Status of August, 2024 is at <u>Annexure-4</u> Under Construction / Proposed - Nil Complying - 12 Not Complying – Nil Sample could not be taken in one CETP at Lawrence Road due to breakdown of REPS / Maintenance work. 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.

DSI IDC 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 DSI IDC 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 DSI IDC 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 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) : 3 [MCD, NDMC & DCB]
and their Population 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) - 7373.9 TPD (65.01 %) • 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 - 3968.1 TPD (34.99%) • 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 - 20 TPD of 1 TPD each
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 Capacity - 5 • Proposed New C&D Waste Processing Facilities Capacity - 1 • Existing operational C&D Waste Processing Facilities are located at (i) Jahangirpuri (Burari) (2000 TPD) (ii) Rani Khera (1000 TPD) (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 are 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) • DCB - 90 % in Civil Area (100 % by Sept, 2024) • MCD - 58 % (Average) • No. of Zero Waste Colonies / Institutes – 519 (Colonies - 480 + Institutes – 39). (Timeline - December, 2024 for 100 % segregation)	
5.	Details of MSW Treatment Facilities proposed and under construction (No., Capacity and technology)	Proposed Waste Processing & Disposal Facilities in Delhi is given at <u>Annexure -5</u>	
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 : 4260.587MT/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: 33.512 TPD in August, 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 18 Meetings have been held so far. Last meeting (18th) of IDMC was held on 15.07.2024.
- 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 August, 2024 is at **Annexure-6.**

Water Quality of major Drains for the samples collected by DPCC Water Laboratory in the Month of August 2024 is at **Annexure-7.**

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 are at **Annexure- 8.**

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. 70.658 Crore has been imposed by DPCC on 19661 Units. Environmental Compensation received by DPCC is Rs. 54.30 Lakh till 25.10.2021.

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 30.08.2024)

S. No	Departments	Total	Installed	Target to be installed upto 30.09.2024	Not Feasible	Remarks
1.	DJB Installations	594	594	0	0	The Status Report as on 16.08.2024 has been submitted as per data provided by the other departments of GNCTD.
2.	By DJB for other Departments	89	89	0	0	
3.	Monitored by DJB for other Government Departments	3596	2550	719	327	
4.	Schools	4892	4371	183	338	
	Total	9171	7604	902	665	

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 10500 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 31.08.2024 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 31.08.2024) 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 Feb, 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).

(v) Plantation during April-June, 2023 under Yamuna Cleaning Drive:

- 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 along Yamuna path.

- | |
|--|
| <ul style="list-style-type: none">• Total land handed over till date = 629.468 ha• The area that has been afforested till date = 626ha• Total no. of saplings planted= 6,41,143• 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 August, 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 13 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 10.09.2024 is briefed below:

- Total No. of Units inspected : 345
- No. of Dyeing Industries/ Units Closed down / Sealed / Electricity Disconnected : 156

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.

Details of the Operational STPs of Delhi Jal Board and Compliance Status w.r.t. Prescribed standards in Aug, 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/l), (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	25	5.50	20/30	14.08.2024	Not meeting the prescribed standards in respect of TSS (25 mg/l), BOD (15 mg/l), COD (88 mg/l) and Fecal Coliform (1700 MPN/100ml).
2.	Okhla, Phase -II	12	42	9.24	30/50	08.08.2024	Not meeting the prescribed standards in respect of TSS (23 mg/l), BOD (14 mg/l), COD (64 mg/l) and Fecal Coliform (1700 MPN/100ml).
3.	Okhla Phase -III	37	119	26.18	30/50	08.08.2024	Not meeting the prescribed standards in respect of TSS (29 mg/l), BOD (18 mg/l), COD (80 mg/l) and Fecal Coliform (1800 MPN/100ml).
4.	Okhla Phase -IV	45	146	32.12	30/50	08.08.2024	Not meeting the prescribed standards in respect of TSS (24 mg/l), BOD (15 mg/l), COD (72 mg/l) and Fecal Coliform (2100 MPN/100ml).
5.	Okhla Phase -V	16	52	11.44	30/50	08.08.2024	Meeting the prescribed standards.
6.	Okhla Phase -VI	30	115	25.30	20/30	08.08.2024	Meeting the prescribed standards.
7.	Molar Band	0.66	2.2	0.48	30/50	08.08.2024	Not meeting the prescribed standards in respect of TSS (30 mg/l) and BOD (15 mg/l), COD (63 mg/l) and Fecal Coliform (1500 MPN/100ml).
8.	Sen Nursing Home Nallah	2.2	11	2.42	10/15	21.08..2024	Meeting the prescribed standards.
9.	Vasant Kunj (Old) Phase-I	2.2	8	1.76	30/50	14.08.2024	Not meeting the prescribed standards in respect of TSS (60 mg/l), BOD (23 mg/l), COD (124 mg/l) and Fecal Coliform (2200 MPN/100ml).
10.	Vasant Kunj (New) Phase-II	3	8	1.76	30/50	14.08.2024	Not meeting the prescribed standards in respect of TSS (50 mg/l), BOD (30 mg/l), COD (100 mg/l) and Fecal Coliform (1100 MPN/100ml).
11.	Ghitorni	5	13	2.86	30/50	14.08.2024	Not meeting the prescribed standards in respect of TSS (57 mg/l), BOD (36 mg/l), COD (92 mg/l), and Fecal Coliform (810 MPN/100ml).
12.	Delhi Gate Nallah (Old) Phase-I	2.2	11	2.42	10/15	21.08.2024	Meeting the prescribed standards.
13.	Delhi Gate Nallah (New) Phase-II	15	69	15.18	10/10	21.08.2024	Meeting the prescribed standards.
14.	Kondli Phase - I	10	45	9.90	10/10	21.08.2024	Meeting the prescribed standards.
15.	Kondli Phase - II	25	113	24.86	10/10	21.08.2024	Meeting the prescribed standards. (Under Test and Trial Run)

Details of the Operational STPs of Delhi Jal Board and Compliance Status w.r.t. Prescribed standards in Aug, 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 ≤ 50 mg/l), (Ammonical Nitrogen ≤ 5 mg/l), (Total Nitrogen ≤ 10 mg/l), (Phosphate (PO ₄ - P) ≤ 2 mg/l) (Fecal Coliform (FC) {MPN / 100ml} < 230)]
16.	Kondli Phase - III	10	40	8.80	10/10	21.08.2024	Meeting the prescribed standards.
17.	Kondli Phase - IV	45	218	47.95	10/10	21.08.2024	Meeting the prescribed standards.
18.	Chilla	9	40	8.80	10/10	21.08.2024	Meeting the prescribed standards.
19.	Yamuna Vihar Phase-I	10	44	9.68	30/50	13.08.2024	Not meeting the prescribed standards in respect of TSS (44 mg/l), BOD (13 mg/l), COD (96 mg/l) and Fecal Coliform (2500 MPN/100ml).
20.	Yamuna Vihar Phase-II	15	63	13.86	30/50	13.08.2024	Not meeting the prescribed standards in respect of TSS (17 mg/l), BOD (12 mg/l), COD (52 mg/l) and Fecal Coliform (620 MPN/100ml).
21.	Yamuna Vihar Ph-III	25	113	24.86	20/30	13.08.2024	Not meeting the prescribed standards in respect of TSS (24 mg/l), BOD (15 mg/l), COD (64 mg/l) and Fecal Coliform (1800 MPN/100ml).
22.	Akshardham / Common Wealth Games Village	1	2.30	0.51	02/01	21.08.2024	Meeting the prescribed standards.
23.	Coronation Pillar Phase-I&II	20	18	3.96	30/50	09.08.2024	Not meeting the prescribed standards in respect of TSS (20 mg/l), BOD (14 mg/l), COD (56 mg/l) and Fecal Coliform (840 MPN/100ml).
24.	Coronation Pillar Phase-III	10	16	3.52	30/50	09.08.2024	Not meeting the prescribed standards in respect of TSS (16 mg/l), BOD (17 mg/l), COD (72 mg/l), and Fecal Coliform (920 MPN/100ml).
25.	New Coronation Pillar	70	182	40.04	10/10	09.08.2024	Meeting the prescribed standards.
26.	Narela	10	16	3.52	30/50	07.08.2024	Not meeting the prescribed standards in respect of TSS (33 mg/l), BOD (14 mg/l), COD (60 mg/l) and Fecal Coliform (2500 MPN/100ml).
27.	Rithala Phase -II	40	173	38.06	15/20	07.08.2024	Meeting the prescribed standards.
28.	Rohini	15	41	9.02	30/50	07.08.2024	Not meeting the prescribed standards in respect of TSS (27 mg/l), BOD (16 mg/l), COD (52 mg/l) and Fecal Coliform (2200 MPN/100ml).

Details of the Operational STPs of Delhi Jal Board and Compliance Status w.r.t. Prescribed standards in Aug, 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/l), (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	09.08.2024	Not meeting the prescribed standards in respect of TSS (22 mg/l), BOD (15 mg/l), COD (76 mg/l), and Fecal Coliform (930 MPN/100ml).
30.	Keshopur Phase-II	20	50	11.00	30/50	09.08.2024	Not meeting the prescribed standards in respect of TSS (22 mg/l), BOD (20 mg/l), COD (56 mg/l) and Fecal Coliform (1400 MPN/100ml).
31.	Keshopur Phase - III	40	136	29.92	30/50	09.08.2024	Not meeting the prescribed standards in respect of TSS (14 mg/l), BOD (15 mg/l), COD (64 mg/l) and Fecal Coliform (430 MPN/100ml).
32.	Nilothi Phase-I	40	93	20.46	30/50	12.08.2024	Not Meeting the prescribed standards in respect of TSS (31 mg/l), BOD (20 mg/l), COD (72 mg/l) and Fecal Coliform (2400 MPN/100ml).
33.	Nilothi Phase-II	20	94	20.68	10/10	12.08.2024	Meeting the prescribed standards.
34.	Pappankalan Phase - I	20	55	12.10	30/50	12.08.2024	Not meeting the prescribed standards in respect of TSS (47 mg/l), BOD (13 mg/l), COD (88 mg/l) and Fecal Coliform (2400 MPN/100ml).
35.	Pappankalan Phase - II	20	92	20.24	10/10	12.08.2024	Meeting the prescribed standards.
36.	Najafgarh	5	14	3.08	30/50	12.08.2024	Not meeting the prescribed standards in respect of TSS (31 mg/l), BOD (12 mg/l) and COD (64 mg/l) and Fecal Coliform (2100 MPN/100ml).
37.	Kapashera	5	22	4.84	10/10	14.08.2024	Meeting the prescribed standards.
38.	Rithala Phase-I	40	174	38.28	10/10	07.08.2024	Meeting the prescribed standards. (Under Test and Trial Run)
39.	New Okhla STP#	124	222	48.83	10/10	-	Sample not collected since STP is under Trial Run and expected to be commissioned by Sept, 2024.
	Total	712.26* MGD	2764.5 MLD	608.11** MGD			

*Total Capacity excludes New Okhla STP which is under Trial Run.

** Includes 48.83 MGD being treated at New Okhla STP of 124 MGD Capacity which is under Trial Run.

Note:-

1. DPCC Water Laboratory collected the samples from the inlet & outlet of 38 Operational STPs of Delhi Jal Board in the month of August, 2024 excluding New Okhla STP# (124 MGD Capacity) which is under trial run.
2. As per the Analysis Reports of DPCC Water Laboratory for August, 2024, 17 STPs were found meeting the standards prescribed by DPCC and 21 STPs were found not meeting the standards prescribed by DPCC.

Upgradation/ Augmentation of Existing STPs

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

[Integrated Fixed Film Activated Sludge (IFAS), 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 03.09.2024)	Timelines
1.	Rithala Phase –II	40	40	100%	Completed
2.	Kondli Phase-IV	45	45	97.95 %	Completed (Earlier Timeline October, 2023) September, 2024 (Earlier Timeline December, 2023/ March, 2024)
3.	Pappan Kalan Phase-I	20	30	44%	
4.	Nilothi Phase –I	40	60	44%	
5.	Najafgarh	5	5	72%	
6.	Keshopur Phase –II	20	20	72%	
7.	Keshopur Phase-III	40	60	72%	
8.	Rohini Sector 25	15	25	73%	
9.	Narela	10	15	75%	
10.	Coronation Pillar Phase -I & II	20	20	72%	
11.	Coronation Pillar Phase –III	10	10	72%	
12.	Okhla Phase- V	16	16	Project to be taken up later on.	December., 2024 (Earlier Timeline January, 2024)
13.	Mehrauli	5	7.5		March, 2025 (Earlier Timeline January, 2024)
14.	Ghitorni	5	7.5		
15.	Vasant Kunj	5	7.5		
16.	Yamuna Vihar Phase– I	10	15	4th consecutive call of tender has been done, in the recent the competent authority has been decided to discharge the previous tender and re-invite it with open technology. The tender yet to be invited	March, 2025 (Earlier Timeline June, 2024)
17.	Keshopur Phase- I	12	18	File sent to competent authority to re-consider the decision of re-inviting of tenders in order to award the work at the earliest.	Dec, 2024 (Earlier Timeline June, 2024)
18.	Yamuna Vihar Phase – III	25	55	File has been sent for administrative approval by DJB.	March, 2025 (Earlier Timeline June, 2024)
	Total	343	456.5	Addition of 113.5 MGD by March, 2025.	

Information about 22 Drains out falling into River Yamuna in Delhi, their Water Quality in August, 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 06.08.2024)				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)	7	70	126	38	28.6953254, 77.2279064	Tapped			Drain tapped however flow observed on 06.08.2024 due to rainy season
3		Sweeper Colony Drain	8.6 (1.89 MGD)	7.3	74	142	45	28.6900959, 77.2282293	Tapped			
4		Magazine Road Drain	7.8 (1.72 MGD)	7.1	68	30	12	28.6977573, 77.2274876	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	86	158	48	28.5419317, 77.3082674	Untapped	Okhla STPs.	Agra canal	No flow observed on 20.03.2024 But flow observed on 24.04.2024, 03.06.2024 & 06.08.2024 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.
11		Abul Fazal Drain	7 (1.54 MGD)	7.2	90	262	75	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 : December, 2024.

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 06.08.2024)				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	
12	MCD	Sen Nursing Home Drain	43.20 (9.5 MGD)	7.1	88	202	70	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: March, 2025
13		Delhi Gate Drain / Power House Drain	122.58 (26.96 MGD)	6.9	96	194	54	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	78	138	42	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 & work is under progress & likely to be completed by December, 2024.

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 06.08.2024)				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)	7.2	92	166	48	28.7084002, 77.2360452	Untapped	Sonia Vihar STP (under construction)	Yamuna River	7 MGD STP is being constructed at Sonia Vihar which is likely to be completed by October, 2024.
16		Kailash Nagar Drain (On Eastern Bank of Yamuna)	13.62 (3.0 MGD)	-				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)	7.1	62	146	45	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	64	182	54	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 tunneling and conveying the flow to Okhla STP for treatment is in progress and expected to be completed by December, 2024.
19		Maharani Bagh Drain	30.24 (6.65 MGD)	6.8	88	270	70	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 through micro tunneling and conveying the flow to Okhla STP for treatment is in progress and expected to be completed by December, 2024.
20		Jaitpur Drain	5.68 (1.25 MGD)	7.2	78	174	48	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 06.08.2024)				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	Irrigatio n & Flood Control Deptt	Najafgarh Drain	2056.32 (452.34 MGD)	7.1	106	150	54	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)	6.9	102	324	105	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 December, 2024.
			3411.6 (750.4MGD)							

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of August, 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.
1	Jhilmil CETP	Jhilmil and Friends Colony Indl. Area	16.8	5.10	28.08.2024	pH - 7.1 TSS - 192 COD - 232 BOD - 125 Oil & Grease - 12 Ammonical Nitrogen (N) - 20.2 Phosphate- 9.5 Sulphide - 3.9	pH - 7.6 TSS - 54 COD - 72 BOD - 25 Oil & Grease - 3.4 Ammonical Nitrogen (N) - 6.2 Phosphate- 1.3 Sulphide - 1.5	Meeting the Prescribed Standards.
2	Badli CETP	Badli Industrial Estate	12	2.63	28.08.2024	pH - 6.0 TSS - 468 COD - 376 BOD - 160 Oil & Grease - 16.8 Ammonical Nitrogen (N) - 22.4 Phosphate- 9.8 Sulphide - 3.9	pH - 7.1 TSS - 50 COD - 88 BOD - 26 Oil & Grease - 2.4 Ammonical Nitrogen (N) - 5.6 Phosphate- 2 Sulphide - 1.1	Meeting the Prescribed Standards.
3	Mayapuri CETP	Mayapuri Indl. Area	12	1.73	28.08.2024	pH - 6.5 TSS - 340 COD - 400 BOD - 160 Oil & Grease - 9.2 Ammonical Nitrogen (N) - 24.2 Phosphate-10.5 Sulphide -4.8	pH - 7.4 TSS - 52 COD - 104 BOD - 28 Oil & Grease - 1.2 Ammonical Nitrogen (N) - 7.1 Phosphate- 3.9 Sulphide - 1.3	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 August, 2024)

Annexure -4

S. N o.	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	1.59	28.08.2024	pH - 7.7 TSS - 550 COD - 408 BOD - 150 Oil & Grease - 8.4 Ammonical Nitrogen (N) - 22.8 Phosphate-13.5 Sulphide - 3.3	pH - 7.1 TSS - 48 COD - 80 BOD - 22.5 Oil & Grease - 1.6 Ammonical Nitrogen (N) - 4.3 Phosphate- 2.2 Sulphide - 1.0	Meeting the Prescribed Standards.
5	Wazirpur CETP	Wazirpur Indl Area	24	Under Maintenance	28.08.2024	pH - 6.5 TSS - 328 COD - 376 BOD - 125 Oil & Grease - 18 Ammonical Nitrogen (N) - 17.5 Phosphate-10.5 Sulphide - 4.6	pH - 7.2 TSS - 50 COD - 96 BOD - 18 Oil & Grease - 3.2 Ammonical Nitrogen (N) - 6.2 Phosphate-2.8 Sulphide - 1.2	Meeting the Prescribed Standards.
6	Nangloi CETP	Nangloi & Udyog Nagar Indl Areas	12	2.645	28.08.2024	pH - 6.9 TSS - 344 COD - 456 BOD - 200 Oil & Grease - 10.8 Ammonical Nitrogen (N) - 23.1 Phosphate-11.8 Sulphide - 3.5	pH - 7.4 TSS - 56 COD - 92 BOD - 18 Oil & Grease - 0.8 Ammonical Nitrogen (N) - 6.7 Phosphate-1.9 Sulphide - 1.6	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 August, 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	3.593	05.08.2024	pH - 6.9 TSS - 280 COD - 264 BOD - 175 Oil & Grease - 15.2 Ammonical Nitrogen (N) -20.1 Phosphate-10.5 Sulphide - 3.6	pH -7.6 TSS - 46 COD - 72 BOD - 17 Oil & Grease - 2 Ammonical Nitrogen (N) - 7.2 Phosphate- 1.8 Sulphide - 1.3	Meeting the Prescribed Standards.
8	Okhla CETP	Okhla Indl. Area	24	2.165	28.08.2024	pH - 7.1 TSS - 432 COD - 472 BOD - 200 Oil & Grease - 16 Ammonical Nitrogen (N) - 18.8 Phosphate- 10.1 Sulphide - 4.2	pH - 7.5 TSS - 70 COD - 100 BOD - 22 Oil & Grease - 2.8 Ammonical Nitrogen (N) - 4.5 Phosphate - 5.0 Sulphide - 1.3	Meeting the Prescribed Standards.
9	Narela CETP	Narela Indl. Area	22.5	7.629	07.08.2024	pH - 7.6 TSS - 460 COD - 600 BOD - 166 Oil & Grease - 16.8 Ammonical Nitrogen (N) -17.4 Phosphate-12.1 Sulphide - 2.7	pH - 7.3 TSS - 48 COD - 76 BOD - 23 Oil & Grease - 1.2 Ammonical Nitrogen (N) - 5.1 Phosphate- 2.4 Sulphide - 1.4	Meeting the Prescribed Standards.
10	Bawana CETP	Bawana Indl. Area	35	23.69	28.08.2024	pH - 6.4 TSS - 360 COD - 464 BOD - 150 Oil & Grease - 12 Ammonical Nitrogen (N) -19.8 Phosphate-13.4 Sulphide - 2.8	pH -7.6 TSS - 52 COD - 92 BOD - 24 Oil & Grease -2.8 Ammonical Nitrogen (N) -3.2 Phosphate- 3 Sulphide - 1.5	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 August, 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.
11	Naraina CETP	Naraina Indl. Area	21.6	4.26	28.08.2024	pH - 7.8 TSS - 280 COD - 408 BOD - 180 Oil & Grease - 11.2 Ammonical Nitrogen (N)- 15.5 Phosphate- 7.2 Sulphide - 4.1	pH - 7.2 TSS - 40 COD - 84 BOD - 20 Oil & Grease - 2.4 Ammonical Nitrogen (N) - 3.9 Phosphate - 2.5 Sulphide - 1.4	Meeting the Prescribed Standards.
12	GTK CETP	GTK Road Indl. Area	6	2.18	28.08.2024	pH - 7.4 TSS - 288 COD - 192 BOD - 100 Oil & Grease - 13.2 Ammonical Nitrogen (N)- 18.2 Phosphate- 12.2 Sulphide - 4.1	pH - 7.3 TSS - 56 COD - 92 BOD - 25 Oil & Grease - 3.6 Ammonical Nitrogen (N)- 4.1 Phosphate- 3.2 Sulphide - 1.3	Meeting the Prescribed Standards.
13	Lawrence Road CETP	Lawrence Road Indl. Area	12	2.38	28.08.2024	pH - TSS - COD - BOD - Oil & Grease - Ammonical Nitrogen (N)- Phosphate- Sulphide -	pH - TSS - COD - BOD - Oil & Grease - Ammonical Nitrogen (N)- Phosphate- Sulphide -	Sampling not done due to breakdown of REPS.
		Total	212.3	59.592				

Existing & Proposed Municipal Solid Waste Processing Facilities in Delhi (As on 31.08.2024)**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)]	1845.5* (Fresh MSW- 1845.5 + RDF – 0)
2.	Waste to Energy Plant at Ghazipur	1300 (MCD)	457.7* (Fresh MSW- 457.7 +RDF-0)
3.	Integrated MSW Facility at Bawana (1300 TPD Waste to Energy Plant & 700 TPD Compost Plant)	2000 (MCD) (As per Consent of DPCC)	2278.7* (Fresh MSW- 2278.7 + RDF – 0)
4.	Waste to Energy Plant at Tehkhand	2000 (MCD)	1894.5 * (Fresh MSW- 1894.5 + RDF – 0)
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.	25 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	7067.9 [Fresh MSW-7067.9+RDF-0]
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 %)	7373.9 TPD (65.01%)
12	Disposal of Fresh MSW at the Dumpsites	3968.1 TPD (34.99 %) [11342 TPD - 7067.85 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 %)	7373.9 (65.01%)	3169 (27.94%)	3968.1 (34.99 %)	400	2750	7750	8573 (75.6 %)	10923 (96.3 %)	15923 (140.4 %)

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 is pending in Supreme Court. Next date of hearing is 04.10.2024. Rate & Agency contract could not be awarded for more than one year due to non formation of Standing Committee of MCD. Prospective concessionaire has been accorded permission to go ahead for Environmental Clearance (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	September, 2024
		1	Goyla Dairy	215	March, 2025
		1	Ghogha Dairy	290	March, 2025
9.	Engineered Sanitary Landfill (SLF)	1	Tehkhand		Works completed & 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 (As on 05.09.2024)

Dumpsite	Quantity of Legacy Waste Dumped (July, 2019) (Lakh Ton)	Total Quantity of Legacy Waste Bio-mined (Since Oct, 2019 to 05.09.2024) (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 05.09.2024 (Lakh Ton)	Total Quantity of Legacy Waste Bio-mined from July, 22 To 05.09.2024 (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	21.44	46.78	47.66	22	Dec, 2028*
Ghazipur	140	27.00 (19.29 %)	85	13.59	15.99	82.60	25	Dec, 2028*
Okhla	60	48.72 (81.2%)	45	15.16	30.55	29.61	11	Dec, 2028*
Total	280	146.89 (52.46 %)	203	50.19	93.32	159.87	58	

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

Segregation of Waste at Source

NDMC - 100% (in all 14 Circles), **DCB** - 90 % in Civilian Area, **DCB** - 90% in Civil Areas (100 % segregation at source by Sept, 2024),
MCD - 58 % (Average) (100 % segregation at source by December, 2024)

No. of Zero Waste Colonies / Institutes - 519(Colonies - 480 + Institutes - 39)



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WATER QUALITY STATUS OF RIVER YAMUNA

REPORT NO: DPCC/W/Y/2024/ (207)
 DATE OF SAMPLING: 06.08.2024

Dated: 23/8/2024

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	7.1	18	2	9	1.2x10 ³
2	Wazirabad	28.7131310, 77.2319304	7.2	22	3	7.9	2.2x10 ³
3	ISBT Bridge	28.6713533, 77.2338207	6.9	46	16	1.3	18 x10 ³
4	ITO Bridge	28.6284288, 77.2534977	6.8	50	20	2.8	21 x10 ³
5	Nizamudin Bridge	28.5915608, 77.2715342	7	62	24	1.2	35 x10 ³
6	Okhla Barrage	77°18'49" 28°32'40"	7.2	82	32	NIL	28 x10 ³
7	Agra Canal at Okhla Barrage	28.545414, 77.311075	7.1	86	34	NIL	35 x10 ³
8	River Yamuna at Asgarpur (After confluence of Shahdara & Tuglakabad drains)	28.4657003, 77.33905231	6.9	94	46	NIL	92 x10 ⁴

N. Mitra

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WATER QUALITY STATUS OF DRAIN

REPORT NO: DPCC/W/D/2024/ | 208
 Date of Sampling: -06.08.2024

Dated: 23/8/2024

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	7.1	106	150	54
2.	Metcalf House Drain	NO FLOW			
3.	Khyber Pass Drain	7	70	126	38
4.	Sweeper Colony Drain	7.3	74	142	45
5.	Magazine Road Drain	7.1	68	30	12
6.	ISBT Drain	7	78	138	42
7.	Tonga Stand Drain	NO FLOW			
8.	Civil Mill Drain				
9.	SEN Nursing Home Drain	7.1	88	202	70
10.	Drain No. 14	NO FLOW			
11.	Power House Drain	6.9	96	194	54
12.	Indrapuri Drain	6.8	82	218	60
13.	Sonia Vihar Drain	7.2	92	166	48
14.	Kallash Nagar Drain				
15.	Shastri Park Drain	7.1	62	146	45
16.	Barapulla Drain	7.4	64	182	54
17.	Maharani Bagh Drain	6.8	88	270	70
18.	Old Agra Canal Drain	NO FLOW			
19.	Jaitpur Drain	7.2	78	174	48
20.	Sarita Vihar Pool	6.8	72	198	60
21.	Tuglakabad Drain	7	86	158	48
22.	Drain Near LPG Bottling Plant	NO FLOW			
23.	Drain Near Sarita Vihar Bridge (Mathura Road)	7.5	98	308	90
24.	Shahdara Drain	6.9	102	324	105
25.	Sahibabad Drain	7.1	98	286	90
26.	Molarband Drain	NO FLOW			
27.	Abul Fazal Drain	7.2	90	262	75

N. Moitra

I/C WATER LAB

Dr. Nandita Moitra
 Scientist 'D'

[Signature]

SSA/Analyst/SLA



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ANALYSIS REPORT OF GROUND WATER NEARBY BAWANA LANDFILL SITE

Report No.: DPCC/W/LF/2024/ 1039

Date: 25/6/24

Date of monitoring: -02.05.2024

S. No	Sampling Location	pH	TDS (mg/l)	Cl (mg/l)	Hardness as CaCO ₃ (mg/l)	Ca as Ca (mg/l)	SO ₄ (mg/l)	Fluoride	Nitrate (mg/l)	Mg (mg/l)
General Standards (as per IS 10500:2012)		6.5 8.5	500	250	200	75	200	1.0	45	30
1.	Main Gate Bawana (SLF)	Location was found dry								
2.	Store Waste to Energy	7.8	660	111.9	136	35.2	26.9	Nil	0.70	24.50
3.	Sonot Village Bawana	7.6	571	121.9	156	20.8	64.3	1.1	0.47	32.86
4.	Bawana Village	7.9	288	61.9	336	36.8	16.7	1.8	0.59	72.73
5.	Sector 5 Bawana	7.6	666	131.9	236	22.4	74.3	1.2	0.70	51.92

Nandita
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(Visit us at <https://www.dpccocmms.nic.in>)**LIFE**
Lifestyle for
Environment**ANALYSIS REPORT OF GROUND WATER NEARBY OKHLA LAND FILL SITE**

Report No.: DPCC/W/LF/2024/ 1038

Dated 25/6/24

Date of monitoring: - 01.05.2024

S. No	Sampling Location	pH	TDS (mg/l)	Cl (mg/l)	Hardness as CaCO ₃ (mg/l)	Ca as Ca (mg/l)	SO ₄ (mg/l)	Fluoride	Nitrate (mg/l)	Mg (mg/l)
General Standards (as per IS 10500:2012)		6.5 8.5	500	250	200	75	200	1.0	45	30
1.	Okhla Landfill Site	6.6	2760	811.5	796	168	20.8	0.7	0.25	152.6
2.	Booster Pumping Station Okhla	7.2	332	131.9	416	57.6	1.19	0.9	0.03	87.1
3.	Okhla Bus Depot	Location was found dry								
4.	B.P. Singh Camp Colony, Near Shiv Mandir	6.6	3680	1491.3	1476	192	26.7	1.0	0.38	312.1

I/C Water Laboratory
Dr. Nandita Moitra
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**ANALYSIS REPORT OF GROUND WATER NEARBY BHALSWA LAND FILL SITE**

Report No.: DPCC/W/LF/2024/ 1037

Dated 25/6/2024

Date of monitoring: 02.05.2024

S. No	Sampling Location	pH	TDS (mg/l)	Cl (mg/l)	Hardness as CaCO ₃ (mg/l)	Ca as Ca (mg/l)	SO ₄ (mg/l)	Fluoride	Nitrate (mg/l)	Mg (mg/l)
General Standards (as per IS 10500:2012)		6.5 8.5	500	250	200	75	200	1.0	45	30
1.	Bhalswa Sanjay Gandhi Transport	7.3	2450	641.8	1076	80	56.3	0.9	0.89	242.1
2.	Bhalswa Dairy	7.4	4100	1691.4	1536	120	78.4	1.6	0.72	344.2
3.	Bhalswa landfill site	Location was found dry								
4.	Bhalswa Janta Colony	7.3	4040	1241.6	1336	136	88.7	1.6	0.63	291.7

I/C Water Laboratory

Dr. Nandita Moitra

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ANALYSIS REPORT OF GROUND WATER NEARBY GAZIPUR LAND FILL SITE

Report No.: DPCC/W/LF/2024/ 1036

Dated 25/6/2024

Date of monitoring: - 01.05.2024

S. No	Sampling Location	pH	TDS (mg/l)	Cl (mg/l)	Hardness as CaCO ₃ (mg/l)	Ca as Ca (mg/l)	SO ₄ (mg/l)	Fluoride (mg/l)	Nitrate (mg/l)	Mg (mg/l)
General Standards (as per IS 10500:2012)		6.5 8.5	500	250	200	75	200	1.0	45	30
1.	Gazipur Dairy Farm, Gali No.-4	7.5	2700	691.6	340	65.6	119.4	1.1	0.28	66.7
2.	Gazipur Dairy near Masjid	7.7	2780	711.6	256	49.6	123.4	1.1	0.18	50.17
3.	Landfill side Near Dairy House No. 48	7.3	5020	1661.2	1436	224	183.9	1.4	0.25	294.63
4.	Fish Market Landfill site Gazipur	7.4	2620	581.7	276	64	96.7	1.3	0.37	51.5

I/C Water Laboratory
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Kashmere Gate, Delhi 110006
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ANALYSIS REPORT OF LEACHATE

Report No.: DPCC/W/LT/2024/01/ 1040

Dated 25/6/2024

Date of monitoring: - 01.05.2024

S. No	Sampling Location	pH	TDS (mg/l)	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	Fluoride (mg/l)	Cl (mg/l)
	Standard Value (Land Disposal)	5.5-9.0	2100	200	-	100	-	600
1.	GAZIPUR Gazipur North/East leachate	8.1	4380	1360	7560	3125	Nil	711.7
2.	Gazipur south Near bakramandi S/W	8.0	4430	780	6840	2875	Nil	611.8
3.	BHALSWA (North of Landfill site)	7.9	4580	1030	5040	2250	Nil	641.8
4.	OKHLA Okhla Site (South Dumping site)	7.9	4240	820	9720	3250	Nil	1191.6
5.	BAWANA Bawana Leachate collection tank	7.2	4770	1060	5400	2125	Nil	707.7

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I/C Water Laboratory

Dr. Nandita Moitra
Scientist 'D'

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SSA/Analyst/SLA

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st August, 2024

DETAILS OF CHALLANS FROM THE YEAR 2018-24

Annexure:- 9

Sl. No.	Year	Offence	No. of challans	Compensation amount	Recovery amount
1.	2018	Dumping of malba	1	Rs.50,000/-	Nil
2.	2019	Dumping of malba, unauthorized parking and garbage dumping in Yamuna River flood plain.	186	Rs. 90,40,000/-	Rs.25,47,500/-
3.	2020	Dumping of malba and unauthorized parking in Yamuna River flood plain.	54	Rs.21,30,000/-	Rs.6,45,000/-
4.	2021	Dumping of malba and illegal parking in Yamuna River Flood Plain	776	Rs.1,22,95,000/-	Rs.32,30,000/-
5.	2022	Dumping of malba and illegal parking in Yamuna River Flood Plain	1167	Rs.2,75,25,000/-	Rs.29,50,000/-
6.	2023	Dumping of malba and illegal parking in Yamuna River Flood Plain	1250	Rs.1,29,50,000/-	Rs.10,20,000/-
7.	2024	Dumping of malba and illegal parking in Yamuna River Flood Plain	559	Rs.1,59,80,000/-	Rs.8,60,000/-
		TOTAL =	3993	Rs. 7,99,70,000/-	Rs.1,12,52,500/-

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 reclaim its 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.

Through e-mail

**DELHI DEVELOPMENT AUTHORITY
OFFICE OF THE SUPERINTENDING ENGINEER, HCC-3
17TH FLOOR, VIKAS MINAR, I.P. ESTATE,
NEW DELHI -110002**

No.F1(14)/DPCC/HCC-3/DDA/676

Dt.05.09.2024

To

Sh. D.K. Singh,
Addl. Director, DPCC,
Deptt. of Environment, Govt. of NCT of Delhi,
5th floor, ISBT Building, Kashmere Gate.
Delhi -110006.

Sub:- Monthly progress report as on 31st August 2024 in reference to the order of Hon'ble NGT in OA No. 673/2018(Reg. Rejuvenation of River Yamuna).

Sir,

Kindly find enclosed herewith the monthly progress report as on 31st August 2024 in respect of projects taken up/to be taken up by DDA for development of Yamuna River Front for your kind perusal please.

Yours faithfully,


05-09

(Er. Rajnish Kumar)
SE/HCC-3/DDA

Encl: As above.

Copy to :

1. CE/Hort./DDA for kind information please (through email).
2. Smt. Kalpana Khurana, Addl. Comm.(LS), DDA for kind information please (through email).


05-09
SE/HCC-3/DDA

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st August, 2024

	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 : 30/12/2024	Fabrication work of roof of gazebo is in progress. 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: 04.11.2024& 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 : (Baansera Approx. 50 Ha is completed, Rest Area is to be developed) Children play area & Bamboo Shelter tendering in progress. Cafeteria work completed. Maintenance work in progress. Bridge at small water body work in progress. 05 Hac under litigation NDOH:- 19/11/2024, 26/11/2024 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 of 35 cases are currently active in various courts (High Court, Saket Court) Case no: Cont. case- 1147/2023, NDOH:-03.10.2024 Case no: WP (C) 5822/2021, NDOH:- 15/10/2024 Case no: CS(SCJ) 1352/2023, Last DOH:- 15/07/2024 Case no: WP (C) 15746/2023, NDOH:- 15/10/2024

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st August, 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	Phase I: Completed	Initial proposal of development work is completely executed
		Part B : 107 Ha	Part B : 5	Phase II : Part B: Completed	Tendering work under progress. 1. Pathways drawings are being revised. 2. Work of floral field in progress. 3. Removal of water hyacinth completed. Layout Plan is being revised as per direction of Higher Authority. Case no: SLP(C) No. 9284/2023 Next date of hearing- 04.11.2024.
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	1. Construction of Plaza-2 & Nursery in progress. 2. Fencing work in progress.
		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 : 30/09/2024	Part A : Present progress is 93% (Civil) 75% (Hort.). The work has been assigned to M/s INTACH on nomination basis for QudsiaGhat. Work was delayed due to flooding & sludgy site and GRAP imposed by CAQM. The work of parking in progress at Nigam bodhghat side. The work of grit wash for garden well completed. The stone work of ghat steps is in progress at site. Case no: RCA/SCJ 17/2022, Next DOH:-30.10.2024 Case no: HC/LM (32198)2018 W.P.(C)9342/2018, NDOH: 01.10.2024. 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 : 10.09.2024
	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	Part B: Contractor is unable to execute the work, hence a file is initiated for approval to determine the work.

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st August, 2024

7.	Yamuna Vanasthali- (Wazirabad Barrage to ISBT Bridge- Eastern Bank, around GarhiManduVillage&Usman pur Village)	236.5 Ha	7	Completed	Work completed are as under (for 236.5 Ha): 1. The work of Water Bodies completed. 2. The pathway work completed. 3. The Entry Gate installed 4. The work of entrance gate at pushta no. 3 completed. 5. The work of cladding of Delhi Stone is in progress. Court Cases: 1) WP(C) 7542/ 2017; NDOH- 04/09/2024, 2) WP(C) 7135/2019; NDOH- Dismissed on 16/07/2024
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. The proposal for development has been presented before Screening Committee Case no: W.P.(C)2504/23, NDOH:-19.09.2024 Case no: W.P.(C)7563/23, NDOH:-19.09.2024
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. LPA No : 196/2023, NDOH- DISPOSED OFF
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		30/04/2025	Proposal under progress.

Reuse of Treated Wastewater

S.No.	Particular	Quantum in MGD																																
1	Quantum of Available Treated STP Water	608 (August, 2024)																																
2	Mandatory Return Flow in River Yamuna	267 (As per MOU of 1994)																																
3	Present Use of Treated STP Water	About 125 MGD [90 MGD for Horticulture in various parks in Delhi including Millennium Park in I.P Estate, Japanese Garden in Rohini and various parks in NDMC area and DTC Depots, PPCL etc. + 65 MGD in Development / Rejuvenation of Lakes / Water Bodies (Pappankalan, Nilothi & Najafgarh, Sanjay Van,Smriti van kondli & Sanjay lake kondli,Dwarka wtp)]																																
4	Proposed Use of Treated STP Water	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 .																																
5	Balance Available Treated STP Water	116 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>76%</td><td>August,2024 (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>	Project	Treated Water Use (in MGD)	Progress Cumulative	Timelines	Sanjay Lake Kondli	10	100%	Pipe line work completed & filling started	Smiriti Van / Lake and nearby areas from Kondli STP.	10	100%	Lake has been filled	Rohini Lake No.1	15	98.5%	December, 2024 (Earlier Timeline was August, 2023)	NTPC Eco Park	5	76%	August,2024 (Earlier Timeline was July, 2023)	Okhla	20	tender received and under Financial concurrence	December, 2024 (Earlier Timeline June, 2024)	Rohini Lake No.-2	15	100%	December, 2024 (Earlier Timeline March, 2024)	Total	75		
Project	Treated Water Use (in MGD)	Progress Cumulative	Timelines																															
Sanjay Lake Kondli	10	100%	Pipe line work completed & filling started																															
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Okhla	20	tender received and under Financial concurrence	December, 2024 (Earlier Timeline June, 2024)																															
Rohini Lake No.-2	15	100%	December, 2024 (Earlier Timeline March, 2024)																															
Total	75																																	

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	6
3	DJB internal Horticulture use	22
4	DTC	03
5	IL & FS	01
6	L&T	05
7	NBCC	09
8	NHAI	02
9	North West MCD	01
10	Private Agencies	101
11	PWD	54
12	SDMC	18
13	SMCD	7
14	EDMC	24
	TOTAL	256