NGT MATTER

By Special Messenger / Email

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

F. No. DPCC/WMC-II/MPR/OA 673/2020/1523-1526 **Dated:** 01-03-2023

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 January, 2023 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 in the Format of NMCG for the **Month of January, 2023** for Rejuvenation of River Yamuna (Priority -I Stretch) 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 December, 2022 was submitted vide letter dated 09.01.2023.

Yours Sincerely,

Enclosures : 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, 5thFloor, 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 January, 2023

Overall Status of the State:

I. Total Population: Urban Population & Rural Population separately

	Population as per Census in 2011 (in Lakh)	Population in 2022 (Approx. Estimated) (in Lakh)
Urban Population	163.68899	210
Rural Population	4.19042	
Total	167.87941	210

II. Estimated Sewage Generation (MLD) : 3491 MLD (768 MGD) (80 % of 960 MGD Water Supply)

III. Details of Sewage Treatment Plant:

- Existing No. of Operational STPs of DJB : **35** STPs (at 20 Locations)
  Installed Treatment Capacity of 35 Operational STPs : **2874 MLD (632 MGD)**
  (82.3% of estimated sewage generation**)**
- Capacity Utilization of existing STPs **: 2390 MLD** (**526 MGD**)
  (83.2**%** of installed capacity)

- MLD of sewage being treated through Alternate technology : Nil

• Gap in Treatment Capacity	: **618 MLD (136 MGD)** [768 – 632 MGD] **(17.7 %)**
• Gap in Treatment	**: 1100 MLD** (242 MGD) [768 – 526 MGD] **(31.5 %)**
• No. of Operational STPs	: **35 (**Refer Annexure-1)
• No. of Complying STPs	: 10 w.r.t. Standards prescribed by DPCC 28 [w.r.t. Design Parameter]
• No. of Non-complying STPs	**: 25** (Letter issued to DJB on 20.02.2023 for taking rectification measures to meet the prescribed standards). **Following 9 STPs (Total 160 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-III (10 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 STPs at Kondli Ph-II & Rithala Ph-I and Yamuna Vihar Ph -II.
  (ii) Upgradation and increasing capacity of remaining existing STPs
  (iii) Construction of New STPs at Okhla, Delhi Gate and Sonia Vihar
  (iv) Construction of 26 DSTPs at various locations of Delhi and 14 DSTPs in Najafgarh Drainage Zone

Rehabilitations of existing STPs and construction of New STPs/DSTPs

[Present Treatment Capacity: 632 MGD (35 STPs)]

S.No	Name of STP	Capacity Addition (in MGD)	Timelines
	Sewage Treatment Plants		
1	**Coronation Pillar (New STP) of 70 MGD Capacity (Completed and Commissioned)** The Coronation Pillar STP is State of Art STP with latest parameters of BOD/TSS: 10/10 mg/l including removal of Nitrogen and Phosphorus along with power generation through Bio Gas. Salient features of the STP.	**-**	**Completed and commissioned on 15.03.2022.** Additional capacity of 40 MGD created by commissioning of this STP has already included in total capacity of existin g STPs (632 MGD).
2	**Okhla (New STP) of 124 MGD Capacity (Under Construction)** [Physical Progress **upto Jan, 2023 – 78.50%** **(1.8 % increase in January, 2023)** The new Okhla STP will be Asia's largest STP with State of Art Technology with latest parameters of BOD/TSS: 10/10 mg/l including removal of Nitrogen and Phosphorus along with power generation through Bio gas. The plant will use solar energy based sludge drying process to produce class A pathogen free sludge.	**30**	**June, 2023**
3	**Sonia Vihar (New STP) of 7 MGD Capacity (Under Construction)** [Physical Progress **upto Jan, 2023– 38.84 %** **(0.84 % increase in January, 2023)**	**07**	**September, 2023**
4	**Delhi Gate (New STP) of 10 MGD Capacity** (Land to be allotted by DDA/ MOHUA)	**10***	**12 Months after allotment of land (By March, 2024)**

5	**Kondli Phase- II of 25 MGD Capacity (Under Construction for Rehabilitation & Upgradation)** (Liquid stream of Ph-I & III has been started on 09.03.2022 & 07.04.2022 respectively) [Physical Progress: upto Jan, 2023 - 85.52% **(0.10 % in January, 2023)** All the units like SSTs and Bioreactor are in the final stage of completion.	**25**	**June, 2023**
6	**Rithala Phase – I of 40 MGD Capacity (Under Construction for Rehabilitation & Upgradation)** [Physical Progress: Upto Jan, 2023 – 80.02 % (**2.52 % in January, 2023)**	**40**	**June, 2023**
7.	**Yamuna Vihar Ph-II of 40 MGD Capacity (From 10 MGD to 15 MGD, Under Construction for Rehabilitation & Upgradation, Presently in operation)** [Physical Progress: Upto Jan, 2023 – 28 %	**05**	**September, 2023**
	Total Addition in Capacity of STPs	**117**	
Status of 40 New Proposed Decentralised Sewage Treatment Plants (DSTPs) [92MGD]			
A. 26 DSTPs of total Capacity of 60 MGD			
18 DSTPs (Land already allotted)			29 DSTPs (57.57MGD) – By December, 2023 11DSTPs (34.43 MGD) –12 Months after allocation of land (By March, 2024)
08 DSTPs (Land is yet to be allotted**)			
B. 14 DSTPs in Najafgarh Drainage Zone of total Capacity of 32 MGD			
11 DSTPs (Land already allotted)			
03 DSTPs (Land yet to be allotted **)			
Upgradation / Augmentation of Remaining 18 Existing STPs of total Capacity of 93.5 MGD		**93.5**	**March, 2024**
Total Addition by December, 2023		**164.57**	
Total Addition by March, 2024		**258.07**	
Grand Total Capacity by March, 2024		**632 + 107 + 57.57+93.5 +34.43+10 =934.5MGD#**	

Total Capacity of STPs by June, 2023 - 727 MGD [632 MGD + 95 MGD]
Total Capacity of STPs by September, 2023 - 739 MGD [632 MGD + 95 + 12 MGD]
Total Capacity of STPs by December, 2023 - 796.57 MGD [632 MGD + 164.57 MGD]
Total Capacity of STPs by March, 2024 - 934.5 MGD [632 MGD + 117+ 92+93.5] 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 934.5 MGD are targeted to achieve standards prescribed by DPCC i.e BOD / TSS: 10/10 mg/l by March, 2024.

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 **January, 2023 is at Annexure-1**				

Details of Under Construction STPs of Delhi Jal Board in Delhi

S. No.	Location (Name of STP)	Capacity of the plant in MLD	Physical Progress in % (upto January, 2023)	Status of I&D or House sewer connections	Completion Timeline
Rehabilitation / Up-gradation of Existing STPs for achieving BOD / TSS: 10 / 10 mg/l.					
1.	Yamuna Vihar STP Phase II	45.46 MLD (10 MGD)	28 %	-	**September, 2023** Work awarded on 28.03.2022. This work is under AMRUT Scheme.STP is operational as per existing designed parameters. Capacity enhancement from 10 MGD to 15 MGD.
2.	Kondli STP Phase I, II & III	204.57 MLD [45 MGD (10+25+10)]	**85.52%** **(0.10 % increase in January, 2023)**	-	**June, 2023** (Earlier Timeline Dec, 2022) Rehabilitation & Upgradation of 10 MGD Phase-I & 10 MGD Phase- III STPs completed and STPs have started receiving influent on 09.03.2022 & 07.04.2022 respectively. **Phase – II** : work in SST and Bio-reactor has been started.
3.	Rithala STP Phase I	181.84 MLD (40 MGD)	**80.02** (2.52 % increase in Jan, 2023)	-	**June, 2023** (Earlier Timeline Dec, 2022)
Construction of New STPs					
4.	Coronation Pillar	318 MLD (70 MGD)	**100**	-	**Completed and commissioned on 15.03.2022**
5.	Okhla	564 MLD (124 MGD)	**78.50%** (1.8 % increase in Jan, 2023)	-	**June, 2023**

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	Timelines
1.	Pappan Kalan Phase – I	20	30	Work awarded. The Concessionaire agreement signed. Special purpose vehicle (SPV) formed on 30.10.2022.	December, 2023
2.	Nilothi Phase –I	40	60		
3.	Najafgarh	5	5	Work awarded.	December, 2023
4.	Keshopur Phase –II	20	20		
5.	Keshopur Phase-III	40	60		
6.	Rohini Sector 25	15	25	Work awarded. The Concessionaire agreement signed. Special purpose vehicle (SPV) formed on 09.11.2022	December, 2023
7.	Narela	10	15		
8.	Coronation Pillar Phase -I & II	20	20		
9.	Coronation Pillar Phase –III	0 (Plant is non-operational	10		
10.	Yamuna Vihar Phase– I	10	15	Tenders reinvited and were due for opening on 07.11. 2022. On due date of opening no tender received. A Committee has been formed to review the Tender conditions. Tenders to be re-invited again.	March, 2024
11.	Yamuna Vihar Phase – III	25	25		
12.	Okhla Phase- V	16	16	Tenders invited on 07.09.2022. On the due date of opening i.e. 07.11.2022, only one Tender received.Technical Evaluation is complete & matter is under process. Financial bid opened and tenders are in process of award.	January, 2024
13.	Mehrauli	5	7.5		
14.	Ghitorni	5	7.5		
15.	Vasant Kunj	5	7.5		
16.	Kondli Phase-IV	45	45	Work order issued, The firm has taken over the plant for rehabilitation and O&Mon 06.09.2022.	October, 2023
17.	Keshopur Phase- I	12	18	The tenders were invited. On due date of opening i.e 12.12.2022, no tender was received. Tenders re-invited.	March, 2024
18.	Rithala Phase –II	40	40	Work Order issued on 26.05.2022,Methodology submitted by the firm has been approved. The work is going on at the site.	March, 2023
	Total	**333**	**426.5**	Addition of 75 MGD by December, 2023 and 18.5 MGD by March, 2024.	

Details of Proposed STPs of Delhi Jal Board in Delhi

S. No.	Location	Capacity of the 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 16 locations • For balance DSTPs matter is being pursued with land owing agencies. • Consultant appointed for design & estimation of DSTPs /STPs where land allotted.	29 DSTPs (57.57MGD) – By December, 2023 11DSTPs (34.43 MGD) – 12 Months after allocation of land (By March, 2024)
2.	14 (9+5) STPs in Najafgarh Drainage Zone	32	• Whole scheme reframed to accommodate maximum nos. of unauthorised colonies in the 12 parcels of land already in possession of DJB. • The tenders for internal sewers for have been received. • The work of laying of Sewer lines in 11 GOCs of Jafarpur, Galibpur Sarangpur, Kazipur, Shikarpur, Khera Dabar, Kanganheri, Goyla vihar, Kair, Mitraon, Dichaon has been awarded and the work are in progress. • Tender for laying of Sewer Line in one Hasanpur GOC has been received and are under process for approval. • Tenders for construction of DSTPs at 12 locations, where land is available, have been invited and under process for approval. • For Tajpur & Tikrikalan GOC, land is not available and is in litigation. The tender for laying of Sewer Lines in these 02 GOCs and associated DSTPs will be invited on availability of the land.	

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

Total flow to be trapped	**Provision of trapping made during the month of Jan, 2023**	**Cumulative Status as in Jan, 2023 Provision of trapping made**	**Time line for completion of work**	**Remarks**
1100.86 MLD **(242 MGD)**	-	1082 MLD **(238 MGD)**	Completed	About 1045 MLD (230 MGD) is being trapped and treated out of 1082 MLD (238 MGD). Entire flow shall be trapped & treated by June, 2023 after construction / rehabilitation of Rithala and Kondli STP under YAP-III.

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

S. No	Description	Status (December, 2022) (Nos)	Progress in the month of January, 2023 (Nos)	Cumulative Status as in January, 2023 (Nos)	Timelines / Remarks
1	Sewer line laid and notified	747	Nil	747	Laid and notified
2	Work of sewer network is in Progress	573	Nil	573	Dec, 2023
3	Colonies where NOC is awaited / O Zone	161	Nil	161	12 months after receipt of NOC. But Not later than June, 2024
4	Colonies where sewerage network is to be laid along with Decentralized STPs	318	Nil	318	08 month after allotment of land/ receipt of NOC
	Total	**1799**			

Sewage and Faecal Sludge Management (Septage Management)

Septage Management Regulations 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.

DJB has so far registered 196 licensed vendors (Emptiers) for collection and transportation of sewage from the septic tanks and has identified 86 designated SPS/ STPs for receiving the Septage.

No of Vehicles Authorised by DJB		No. of Functional SPSs for collection of septage from vendors		Septage collected & Treated (in Crore Litres)		Cumulative Septage Collected & treated by DJB (in Crore Litres)	
Upto Sept, 2021	Upto Jan, 2023	Upto Sept, 2021	Upto Jan, 2023	Sept, 2021	Jan, 2023	Upto Sept, 2021	Upto 29th Jan, 2023
208	196	86	86	4.21	5.18	78.98	132.8

The earlier granted licenses expired on 30.11.2022. No of licensed vehicles whose licenses have been renewed / issued as on 31.01.2022 is 196 only since the renewal of license is in process. Cumulative Septage of 132.8 Crore litres has been collected and treated till 29th January, 2023. On an average 17.9 Lakh litres septage per day was collected and treated at STPs of DJB in January, 2023.

From the above table it is clear that there is improvement in collection and treatment of septage in Delhi.

Action Taken Report of District Magistrates w.r.t. "Delhi Water Board Septage Management Regulations, 2018" for collection, transportation and disposal of waste of septic tanks (Septage) is briefed below.

- Total No. of Meetings of Septage Management Committees held - 68
- No. of Vehicles /Tankers found unauthorizedly discharging - 50

septage into Drains etc.

- No. of Vehicles /Tankers impounded - 46
- No. of Challans / Notices issued - 22
- Total Amount of Environmental Compensation Imposed & received - Rs 12.77 Lakh

Joint Committee headed by Hon'ble Justice (Retd.) Sh. S. P. Garg and having members from CPCB, DPCC & DJB constituted by Hon'ble NGT vide Order Dated 22.04.2022 in OA No. 365/2021 in the matter of "Shamsher Singh Vs Govt. of NCT of Delhi" has submitted its Interim Progress Report Dated 17.12.2022 to the Hon'ble Tribunal. Necessary action will be taken as per the directions of the Hon'ble Tribunal in the order dated 21.12.2022 in the said matter.

Trapping of Drains:

There are 18 major drains which are out falling into river Yamuna in the Delhi stretch between Wazirabad to Okhla. As informed by Delhi Jal Board, out of 18 Drains, Trap completed in 11 Drains, 02 drains (Delhi Gate Drain and Sen Nursing Home Drain) are partially trapped, 02 major Drains i.e. Najafgarh & Shahdara are included in Interceptor Sewer Project where substantial flow of sub-drains under their command areas will be trapped and treated. Further, in-situ treatment in these drains are also being proposed. For remaining 03 Drains (Mori Gate, Barapulla & Maharani Bagh Drains) brief status is as given below:

(i) **Mori Gate Drain (9.51 MGD) -** Alternative proposal is framed to carry the sewage to Nehru Vihar SPS for its treatment into Coronation Pillar STP by laying a rising main from proposed SPS at ISBT Kashmere Gate. Tenders re-invited, Work order has been issued on 23.12.2022. The Work is targeted to be completed by September, 2023

(ii) **Barapulla Drain (31.97 MGD) -** Flow is proposed to be diverted by laying of interceptor sewer through micro tunneling for conveying to Okhla STP for treatment and proposed timeline for completion is September, 2023.

(iii) **Maharani Bagh Drain (6.66 MGD) -** The Drain has been partially trapped to the extent of 9-10 MLD flow in C.V. Raman Marg Trunk sewer. The balance flow of about 20 MLD will be trapped in the interceptor sewer being constructed for Barapullah Drain for treatment in Okhla STP and proposed timeline for completion is September, 2023.

Status of 18 Major Drains directly out falling into River Yamuna (as per the Information provided by DJB) is at **Annexure -2**

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

- No. of Industries / Units in 28 Approved Industrial Areas : 25253
- No. of Industries / Units in 17 Approved Industrial Areas (out of 28 Approved Industrial Areas) connected with 13 CETPs : 22311
- No. of Water Polluting Industries/ Units in 28 Approved Indl. Areas : 1334
- No. of Water Polluting Industries/ Units in 17 Approved Indl. Areas (out of 28 Approved Indl. Areas) connected with 13 CETPs : 1091
- 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) : 28.75 MLD
- Quantity of Effluent generated from the Industries / Units in 17 Approved Industrial Areas (out of 28 Approved Indl. Areas) : 24.94 MLD

connected with 13 CETPs (Excluding White Category Industries/Units, Shops & Other Establishments not requiring Consent from DPCC)

- Quantity of Hazardous Sludge generated from the Industries in TPD : 8.067(including CETPs)
- Number of Industrial Units / Units connected to 13 CETPs (Including Shops & Other Establishments not requiring Consent from DPCC) : 33690 (in 17 Approved Industrial Areas)
- Number and total capacity of ETPs (details of Existing/ Under Construction / Proposed) : 1334 ETPs
- Compliance Status of the ETPs : -
- Number and Total Capacity of CETPs (Details of Existing/ : Existing CETPs–13(List at **Annexure-3**)
- Under Construction / Proposed) Capacity – 212.3 MLD

(Utilization – 62.67 MLD) (29.5%)

Under Construction/Proposed – Nil

Redevelopment Areas

Besides 28 Approved Industrial Areas, there are 25 Areas Notified for Re-development under MPD-2021(non-conforming clusters of industries for redevelopment). Information/ Details regarding no. of industries/units in these 25 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 25 Redevelopment Areas Notified for Re-development under MPD-2021(non-conforming clusters of industries for redevelopment) is given at **Annexure -11.**

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 25 industrial areas is to be done by concerned local body/landowning agency.

Since Information / Details of the Industries / Units in these Redevelopment Areas are not available with the Departments in Delhi, therefore Delhi Jal Board vide Letter dated 27.12.2021 has engaged Jamia Milia Islamia University for conducting survey of 25 Redevelopment Areas in Delhi for identifying Water Polluting Industries. Survey Report of Jamia Milia Islamia University is awaited.

Status of Compliance and Operation of the CETPs

<table>
<tr><th>Town</th><th>No. of Industries/ Units (in 28 Approved Industrial Areas)</th><th>Industrial Discharge</th><th>Status of ETPs</th><th>Status of CETPs
(Existing, Under Construction &Proposed)</th></tr>
<tr><td rowspan="2">Delhi</td><td rowspan="2">25253</td><td rowspan="2">28.75
MLD</td><td rowspan="2">-</td><td>Existing – 13 CETPs List along with Compliance Status of January, 2023 is at Annexure-3
Under Construction / Proposed - Nil
Complying - 12</td></tr>
<tr><td>Not Complying – One [Lawrence Road CETP]
• Above one CETP is meeting the prescribed standards except the parameters mentioned in Table given below :
<table><tr><td>Lawrence Road</td><td>TSS (122 mg/l) & BOD (42 mg/l)</td></tr></table></td></tr>
</table>

				● Environmental Compensation (Total EC Amount Rupees 1 Crores) has been imposed by DPCC on the 10 CETP Societies and 2 Operators of CETPs at Narela & Bawana on 07.07.2021. ● Letter issued to concerned District Magistrates for recovery of the said amount of Environmental Compensation on 27.10.2021 followed by Reminder on 12.01.2022. ● CETP Societies of Okhla, SMA, Mayapuri, Mangolpuri, GTK Road, Naraina , Jhilmil & Lawrence Road (Total 8 Cases) have filed Writ Petition in the High Court of Delhi against the Directions issued by DPCC on 07.07.2021 regarding imposition of Environmental Compensation. ● Order / Directions have been issued by DPCC on 07.12.2022 (in case of Okhla CETP) and on 13th & 16th January, 2023 in case of Mayapuri & SMA CETPs for Deposition of Environmental Compensation of Rs. 95 Lakh, ,Rs.80 Lakh & Rs. 1.05 Crore respectively, for not meeting the prescribed standards in the period of Feb, 2019 to Feb, 2021 after considering the Hon'ble High Court orders. ● In rest of 5 cases viz. Mangolpuri, GTK Road, Naraina , Jhilmil & Lawrence Road CETPs matter of EC imposed by DPCC on 07.07.2021 is pending before the Hon'ble High Court. ● For the violations in the subsequent period from March, 2021 onwards , Environmental Compensation of Total Rs 6.05 Crores have been imposed by DPCC on all the 13 CETPs and Directions have been issued in this regard in the month of January, 2023. ● Letters also issued to the concerned CETP Societies on 13.02.2023 based on the Effluent Analysis Reports of DPCC Lab for the month of January, 2023 for taking rectification measures to 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 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. Online Monitoring System (OLMS) have been installed on all the 13 CETPs for measuring the pH, TSS, BOD & COD at the outlet of the CETPs. All these OLMS are connected to servers of DPCC and CPCB. Calibration of OLMS installed at CETPs is being carried out by DPCC Water Laboratory on quarterly basis.

DSIIDC has 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 has 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. Meetings were held to review the progress.

Quotations used by NEERI while preparing the estimates for the CETPs were shared with DSIIDC on 22.03.2022. A meeting was held on 21.03.2022 with NEERI regarding cost estimation for 13 CETPs.

As per 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 will be upgraded by DSIIDC by December, 2023 and w.r.t other 11 CETPs DSIIDC shall discuss the issue with DJB once again to decide finally who (DSIIDC / DJB) is the appropriate authority for upgradation and O&M of these CETPs, especially after considering the fact that sewage to be treated in STPs and CETPs is of different nature and composition. A joint report be submitted by CEO, DJB and MD, DSIIDC recommending 'way forward'(including the appropriate authority (i.e. DJB or DSIIDC and timelines) for upgradation of CETPs to the Convener of HLC within a fortnight for taking final decision in this regard.

V. Solid Waste Management:

- Total Number of Urban Local Bodies (ULBs) and their Population :3 [MCD, NDMC & DCB] Total Population – About 2.1 Crores
- Current Municipal Solid Waste Generation : 11332 TPD

(Status of Solid Waste Management including Legacy Waste in Delhi is given at **Annexure-4)**

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) - 8829 TPD** • **Total MSW Processing - 6972 TPD** (Including Recycling through MRFs) **(61.5%)** • **Disposal through Compost Pits - 559 TPD** • **Recycling through MRFs - 271 TPD** • **Gap in MSW Processing - 4360 TPD** [11332-6972 = 4360] **(38.5%)** • **Gap in MSW Processing Capacity - 3149 TPD** **[**11332 – 8183 = 3149] **(27.8%)** • **Capacity of 4 Existing WTE Plants - 6550 TPD** (Power generation capacity - 84MW) • **One Operational Centralised Compost Plants - 700 TPD** [200 TPD at Okhla Closed due to upgradation into Bio-CNG plant of 300 TPD] • **08 Bio-methanation Plants of 5 TPD each - 40 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 utilised.
3.	No. and capacity of C&D Waste Processing Plants in TPD (Existing, Proposed and under construction)	• Existing operational C&D Waste Processing Facilities - 4 Capacity - 3150 TPD • Proposed New C&D Waste Processing Facilities - 3 Capacity - 3500 TPD **Existing operational C&D Waste Processing Facilities are located at** (i) Rani Khera (1000TPD) (ii) Shastri Park (1000 TPD) (iii) Bakkarwala (1000 TPD) (iv) Rani Khera (Mundka) (150 TPD)

		C&D Waste Processing Facility of 2000 TPD at Jahangirpuri (Burari) is under revamp/ under construction and therefore not in operation, expected to be commissioned by April, 2023. **Proposed C&D Waste Processing Facilities are :** (i) Tehkhand Okhla (1000 TPD)(Alternative site is being explored) (ii) Libaspur (500 TPD)	
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 - 95-100% in Model Wards of Civilian Area 60-70% in Army Area • MCD - 80-100 % (in 70 Model Wards) 60 - 80% (in 12 Wards) 50-60% (in 47 Wards) 40-50% (in 46 Wards) 20-40% (in 46 Wards) 10-20% (in 29 Wards)	
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 -4**	
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:	18 Major Drains out falling into river Yamuna & having Floating Racks / Screens to prevent solid waste falling into the river.	

Status of ULB wise Management of Solid Waste .

Please Refer **Annexure – 4** (Existing & Proposed Municipal Solid Waste Processing Facilities in Delhi)

VI. Bio-medical Waste Management:

- Total Bio-medical Waste Generation **: 25.828** (Average of Bio-medical waste generation excluding Covid waste)
- No. of Hospitals and Health Care Facilities :**10343**
- No. of Beds with HCEs : **58120**
- Status of Treatment Facility/ CBMWTF : Treatment & Disposal through existing 2 CBMWTFs

There are following 2 CBMWTFs having Capacity of about 63 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 SSI Industrial Area, G.T.Karnal Road, Delhi -110033
2. M/s SMS Water Grace BMW Pvt. Ltd., Nilothi Sewage Treatment Plant Complex of DJB, Nilothi, Delhi -110041.

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. For preventing illegal dumping of biomedical waste in Delhi, a Standard Operating procedure (SOP) has already been developed and circulated to all the District Magistrates (being Chairman of the District level Committees comprising of all the concerned departments including CBMWTFs).

VII. Hazardous Waste Management:

- Total Hazardous Waste Generation : 4146.535 MT/year
- No. of Industries generating Hazardous Waste : 2714
- Treatment Capacity of all TSDFs : TSDF at Bawana is operating.
- Average Quantity of Hazardous Waste reaching the TSDFs : TSDF at Bawana is operating.

- **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: 1145 TPD (Appx.)
- Processing of Plastic Waste : 687 TPD (60 % at Waste to Energy Plants)
- Recycling of Plastic Waste : 208 TPD (18.2 %)
- Disposal at Landfill : 250 TPD (21.8 %)
- Registration under the Plastic Waste Management Rules, 2016 (as amended) issued to 1854 units as briefed below:
    - Recyclers : 778
    - Producers : 840
    - Manufacturers : 236

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 for remediation and management of all drains of Delhi as per the orders of Hon'ble NGT in OA No.06/2012.
- IDMC is having members from all the Drain Owning Agencies (DOAs).
- Meetings of IDMC are held on regular basis and 15 Meetings have been held so far. Minutes of the last meeting (15^{th}) held on 18.10.2022 are at **Annexure-5.**
- DOAs have submitted / are submitting their Action Plan with time line subject to availability of fund.

Measures taken by the Drain Owning Agencies in Delhi for In-situ Bioremediation / Phytoremediation of sewage in their drains is briefed in following table :

S. No	Drain Owning Agencies	Measures Taken / Projects	Timeline
1	MCD	• Constructed Wetland / Treatment System of 3 MLD designed by NEERI at Jheel Park for treatment of incoming drains. The treatment system is functional. • Pushp Vihar Drain (1.9 Km stretch of Chirag Delhi Drain) as pilot project. Work is under progress. • Pilot project for Phyto / Bio-Remediation of Kudesia Nallah in 350 m length.The work is under progress.	Functional February, 2023 February, 2023
2	NDMC	Waste water in portion of Kushak Nallah falling under NDMC area is under Bio-remediation.	Functional
3	DCB	In-situ treatment in 6 Drains through chemical dosing since discharge is less (in the range of 1.5 MLD).	Functional
4	DDA	• Kalindi Biodiversity Park is being developed in 200 Hectares area in 6 kilometer length &1-3 kilometer wide. • 11 Constructed Wet Lands are being developed to treat sewage. • 2 Wetlands-one at Kilokari drain (10-12 MLD) and another at Dhobighat drain (12-15 MLD) have been constructed & are functional. • The third Constructed Wet Land on Maharani Bagh drain is nearly completed. 8 Constructed Wet Lands are not functional due to construction of high speed road of NHAI from Sarai kale Khan to Faridabad. These require redevelopment.	3 out of 11 Constructed Wet Lands are Functional
5	PWD	• Bio-remediation Plant of 2.5 MLD capacity has been installed at Chattarpur. • Work of installation of Bio-remediation Plant of 0.75 MLD capacity between main gate of Chattarsal Stadium and Azadpur Metro Station is under progress. • Bio-remediation of remaining drains of PWD are not feasible due to space constraint and smaller size of drains.	Completed February, 2023
6	I&FCDeptt	As per the feasibility report of the consultants, Phyto / Bio remediation is not feasible in the two major drains (Najafgarh drain and Shahdara drain) under I&FC Dept due to heavy discharge , land constraint etc.	
7	DSIIDC	Bioremediation/Phytoremediation is not possible for drains since smaller in size.	

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:

- Urban Development Department, Govt of NCT of Delhi is the Nodal Department for Govt of NCT of Delhi in respect of NGT case OA NO. 06/2012 in the matter of Manoj Mishra vs. Union of India & Ors. for control of pollution in river Yamuna in Delhi.
- RRC Delhi under the overall supervision of Pr. Secy (Env.) is monitoring the progress and matters related to NGT Case 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" for control of pollution in river Yamuna in Delhi.
- 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 above mentioned two NGT cases.
- Vide order dated 09.01.2023, Hon'ble NGT has constituted a High Level Committee (HLC) of concerned authorities in Delhi headed by Hon'ble Lieutenant Governor, Delhi, with the Chief Secretary, Delhi, as Convener; and consisting of Secretaries of Irrigation, Forest & Environment, Agriculture and Finance, GNCTD ; CEO, DJB; Vice Chairman, DDA; Secy or his nominee (not below the rank of Addl. Secy), Ministry of Agriculture, GoI; DG Forest or his nominee (not below the rank of DDG), MoEF&CC, GoI; Secy, MoJS or his nominee not below the rank of Addl. Secy, Secy, MoEF&CC or his nominee not below the rank of Addl. Secy, DG NMCG and Chairman CPCB. The Committee is to deal with all issues as set out in order dated 27.01.2021 of Hon'ble NGT in OA No. 06/2012 in the matter of Manoj Mishra Vs. Union of India & Ors and other ancillary matters.
- High Level Committee has prepared Department wise detailed Action Plan for Rejuvenation of river Yamuna after its first meeting on 20.01.2023 and submitted to Hon'ble NGT on 31.01.2023. Copy of the said Action Plan has already submitted to Secretary, Ministry of Jal Shakti and DG NMCG.

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 Hon'ble NGT orders in OA No. 06/2012 in the matter of Manoj Mishra Vs. Union of India & Ors. Regarding OA No. 673/2018, the issue is also being monitored by Chief Secretary on regular basis.

Meeting of High Level Committee headed by Hon'ble Lieutenant Governor, Delhi and Chief Secretary, Delhi, as Convener of the said Committee was held on 20.01.2023 w.r.t NGT Case OA No. 21 / 2023 and Department wise detailed Action Plan for Rejuvenation of river Yamuna has been submitted to Hon'ble NGT on 31.01.2023.

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 January, 2023 is at **Annexure-6.**

Water Quality of major Drains for the samples collected by DPCC Water Laboratory in the Month of January, 2023 is at **Annexure-7.**

Ground Water Quality near the 3 Dumpsites (Bhalaswa, Ghazipur & Okhla) and Engineered Sanitary Landfill at Bawana for the samples collected in December, 2021 has already been provided with the Monthly Progress Report of January, 2022.

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. As per the said Notification, it is mandatory to take permission of the Competent Authority, i.e., DJB & NDMC (as per area of jurisdiction) prior to groundwater drawl. The Deputy Commissioner (Revenue) / District Magistrate (Revenue) of each revenue area, Govt. of NCT of Delhi, has been appointed as the "Authorized Officer" and delegated with the power of dealing with issues such as checking violation, sealing illegal wells etc, including grievance redressal related to ground water, based on the recommendations of the Advisory Committee, as constituted vide said Notification dated 12.07.2010.

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. till 25.10.2021. 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 06.02.2023)

S. No.	Departments	Total	Installed	Target to be installed upto 28.02.2023	Remarks
1.	DJB Installations	594	594	0	
2.	By DJB for other Departments	89	89	0	
3.	Monitored by DJB for other Government Departments	5472	3705	1767	The departments are pursued continuously to update the progress but due to scarcity of funds progress could not be updated as reported by them.
4.	Schools	4549	4144	405	The School Authorities are pursued continuously to update the progress but due to scarcity of funds progress could not be updated as reported by them.
	Total	**10704**	**8532**	**2172**	

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: 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 Dhobi ghat Jaitpur have been installed.

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

125 Security Guards have been deployed by DDA round the clock in three shifts at vulnerable points, with 4 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.

(iii). Installation of Electronic Surveillance System:

93 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). Removal of Encroachment from the Flood Plain:

600 Jhuggies / Chappers have been demolished and 5 Acre land has been reclaimed.

150 Jhuggies in 2 acre land could not be removed due to stay by Courts. 10 nos. of Jhuggis / Chappers have been demolished on 23.09.2022 at Asita East UP Portion. Details of removal of encroachment by DDA is given at **Annexure-8.**

(v). Demolition Program :

574.29 Hectares area has been retrieved from the encroachment by DDA in the floodplains of River Yamuna.

(vi). Removal of C&D Waste :

42,000 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. Details of Challans issued by DDA in the period 2018 to Jan, 2023 is given at **Annexure-9.**

(vii). 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 31.01.2023) is at **Annexure –10**

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:

(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 **2,40,184** 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 **165,086** 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, **103.88** ha of land has been afforested with **1,00,547** plant saplings by Forest Department, Delhi.

- **Total land handed over till date = 629.468 ha**
- **The area that has been afforested till date = 608.088 ha**
- **Total no. of saplings planted = 5,05,817**

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).
- **South Biodiversity Park is being developed by Delhi Development Authority in the 115 Hectares area in Yamuna Flood Plains near Kalindi Colony.** The project has been awarded to CEMDE on 13.12.2019 and the work is under progress. 6 out of 9 wetlands have been completed. The balance 3 wetlands will be completed soon. Following works have been done under the said project :

  - **Greenway and recreational park development**:
    A small stretch of 500 m long and 10 m wide stripe along the Ashram Road has been planted with 300 plants. A large solid waste dump behind the Kalindi Colony has been landscaped and this is being developed into a recreati0onal park.

  - **Development of Nature Trails:**
    Two nature trails - one trail from Ashram Road to DND Flyover has been made; both sides of this nature trail are being developed into a greenway.

  - **Development of Terrestrial Communities:**
    About 20 Hectare of elevated portion beneath the DND flyover has been processed for planting 15000 saplings of native trees. 3-5 in-situ constructed wetland system are to be taken up for treatment of sewage water entering into wetlands and finally into river Yamuna.

XXI. Reuse of Treated Water:

S.No.	Particular	Quantum in MGD
1	Quantum of Available Treated STP Water	530
2	Mandatory Return Flow in River Yamuna	267 (As per the orders of Hon'ble Supreme Court)
3	Present Use of Treated STP Water	About 90 MGD [Mainly 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.]
4	Proposed Use of Treated STP Water	70 MGD Treated STP at Coronation Pillar is to be converted into 'C' Class Inland Surface Water by Ultra Filtration process to be discharged in river Yamuna about 8.60 Kilometer upstream of Wazirabad. Tenders received for this work is in process for award. DJB has initiated a proposal for supplying of 5 MGD treated water from Okhla STP to NTPC Eco Park.
5	Balance Available Treated STP Water	103 MGD DJB has taken up following projects for use of treated STP

		Water for Development / Rejuvenation of Lakes : Use of treated STP Water for Development / Rejuvenation of Lakes: Sanjay Lake from Kondli STP - 10 MGD — September, 2023 Smiriti Van / Lake and nearby areas from Kondli STP. - 10 MGD — March, 2023 Pappankalan - 20MGD — Commissioned Nilothi - 20 MGD — Completed and under commissioning Okhla - 20 MGD — December,2023 Rohini Lake No.-1 - 15 MGD — August,2023 Rohini Lake No.-2 - 15 MGD — December,2023 Najafgarh - 5 MGD — March, 2023 DJB is also exploring the possibility of using treated STP Water in other usages like in Farm houses, Golf courses, Construction activities etc. and have already made available treated water at its STPs @ Rs 7 / Kilolitres.

Number of Tankers Deployed:

The details of tanker deployment by various stakeholders departments during the month of January, 2023 are as under:-

S.No.	Agency	No. of Tankers Engaged
1	DTC	04
2	PWD	103
3	EDMC	34
4	DDA	7
5	Private Agencies	126
6	SDMC	19
7	Forest Department	08
8	CPWD	04
9	NHAI	01
10	M/s L&T	08
11	NBCC	12
12	DJB internal Horticulture use	18
13	DMRC	1
14	IL & FS	1
	TOTAL	**346**

Order dated 25.02.2021 of Hon'ble National Green Tribunal in OA No. 386/2017 in the matter of "Rear Admiral A P Revi IN (Retd.) Vs Delhi Jal Board & Ors." regarding use of treated water for gardening in public parks :

Operative part of the said order is reproduced below :

"We are of the view that even though the steps are reported to have been taken, the matter needs to be taken forward, after due consideration of the objections of the applicant to ensure that fresh water is not used for gardening in public parks by the DDA and the South Delhi Municipal Corporation and instead only treated water is so used. The order of this Tribunal dated 27.01.2021 in OA No. 6/2012, Manoj Mishra v. Union of India & Ors. approving the recommendations of the Yamuna Monitoring Committee may be duly followed. The DJB may ensure supply of such treated water with adequate pressure and wherever piped supply is not available, supply may be ensured by tankers. DPCC may monitor similar action by other agencies in Delhi owning parks and by bulk users, including other Municipal Corporations for adopting similar course of action to save drinking water for drinking purposes to fulfill basic need of maximum people. This may be overseen by the Secretary, Environment, Delhi."

In view of the above said order of Hon'ble NGT, DPCC sent a letter on 09.03.2021 to all the park Owning Agencies & concerned Authorities to take necessary action w.r.t said order of Hon'ble NGT and ensure that only treated water [from Sewage Treatment Plants (STPs) etc] is used in the parks under the jurisdiction of their departments and fresh water is not used for gardening in public parks.

All the concerned Departments / Agencies have also been requested to nominate concerned Senior Officer as Nodal Officer & provide information regarding use of treated water in the Parks / Bulk Use on monthly basis to DPCC.

A meeting was taken by the Chief Secretary, Delhi on 13.04.2021 regarding Hon'ble NGT order dated 26.03.2021 in OA no 06/2012 in MA no 25/2021 titled Manoj Mishra Vs South Delhi Municipal Corporation & Union of India & Ors. After detailed deliberations and discussions on the various aspects of the issue, Chief Secretary Delhi, directed that a long term perspective plan should be prepared for the optimum use of treated effluent in Delhi, which must include the maximum utilization of treated water for horticulture purpose including the coverage of all parks and gardens in Delhi, to replace the extraction of precious ground water through bore-wells for this purpose. Delhi Jal Board is to carry out the survey, preparation of DPR, cost estimates, etc. of the complete scheme by providing piped network up to each park. Accordingly M/s WAPCOS has been directed by DJB to submit the revised proposal for feeding through pipe line network up-to all parks provided by the stakeholders. M/s WAPCOS is carrying out survey work.

Further 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 Pillar STPs.

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

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.
In absence of minimum Environmental Flow of river Yamuna in Delhi it is very difficult to achieve the bathing quality standards.

XXIII. <u>Status of Preparation of Action Plan by the 13 Coastal States</u>: Not applicable in case of Delhi

XXIV. <u>Regulation of Mining Activities in the State/UT</u>: 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. Action taken by DPCC against the Industries / Units and Environmental Compensation (EC) imposed was informed to the Hon'ble Tribunal vide Action Taken Report filed before the Tribunal on 01.08.2019, 10.12.2019 & 13.05.2020.

Action taken by DPCC against Water Polluting Industries / Units u/s 33(A) of Water Act in January, 2023 is briefed in following Table

S. No.	Action Taken	January, 2023
1	No of Show Cause Notice issued	04
2	No of Directions for Closure issued	Nil
3	Environmental Compensation Imposed	Rs 9.40 Lakh
4	Environmental Compensation Received	Nil

XXVI. Conservation of Water Bodies in Delhi

- Wetland Authority for Delhi has been constituted vide notification dated 25.04.2019 of Govt. of NCT of Delhi for conservation and management of Wetlands in Delhi.
- There are 1045 wetlands in Delhi which have been allotted UID numbers. District and Agency - wise details of water bodies is available on the website of Delhi Parks and Gardens Society (DPGS). Out of 1045 water bodies 1018 have been mapped on GIS platform.
- MoEF&CC, Govt. of India has notified Rules for conservation and management of wetlands vide notification dated 26.09.2017. As per the said notification, a Brief Document for each of the wetland identified for notification and Action Plan are to be prepared for conservation / restoration of each water body.
- **Details of Status of receipt of Brief Documents are given in the following Table :**

Sl. Nos.	Water Body Owning Agencies	Reconciled No. of Water Bodies (Till date)	Brief Documents received	Request for deletion of water bodies	Pertains to other Deptt. as requested by DDA	Yet to be handed over to DDA by GNCTD	Water Bodies not traceable due to non availability of Kh. Nos./ encroached	Balance (Yet to be received)
1.	**DDA**	824	506	221	35	37	25	0
2.	**BDO/REV.**	131	119	3			9	0
3.	**MCD**	24	24					0
4.	**DJB**	6	0	6				0
5.	**PWD**	1	1					0
6.	**CPWD**	5	5					0
7.	**ASI**	16	16					0
8.	**FOREST**	26	26					0
9.	**DELHI ARCH. DEPTT.**	1	1					0
10.	**DELHI WAKF**	1	1					0

	BOARD							
11.	**DUSIB**	1	1					0
12.	**DSIIDC**	4	4					0
13.	**JNU**	3	3					0
14.	**IIT**	1	1					0
15.	**NTPC**	1	1					0
		1045	**709**	**230**	**35**	**37**	**34**	**0**

- Technical Committee under Chairmanship of Dr. Madhu Verma, Chief Economist at the World Resources Institute at Delhi and comprising of 6 wetland experts has been formed on 01.07.2021. Grievance Committees have also been formed on 01.07.2021 for every district. 1st, 2nd, 3rd and 4th meetings of the Technical Committee were held on 05.08.2021, 09.11.2021 18.02.2022 and 09.06.2022. Prioritized 20 waterbodies for immediate notification

1. Sanjay Lake
2. Hauz khas Lake
3. Bhalswa Lake
4. Smriti Van (Kondli)
5. Smriti Van (Vasant Kunj)
6. Tikri Khurd Lake
7. Najafgarh Jheel
8. Welcome Jheel
9. Daryapur Kalan
10. Poth Kalan (Sardar Sarovar Lake)
11. Mungeshpur Kh. No. 22/34 (15-11
12. (Wetland) Dheerpur (b)
13. M.P. Green Area at Sanjay Van
14. Distt. Park at Avantika, Sec-1, Rohini(B)
15. Water Body at Kh. No. 87/4 (26-6), Barwala
16. West Vinod Nagar, behind mother dairy, Mandawali Fazalpur
17. Mandawali Village
18. Park, Lake and woodland area G-8, area Rajouri Garden (Near Tihar Village) Andawali Village
19. Water Body at Kh. No. 28/13(02-15) & 28/18(4-03), Barwala
20. Jhatikra Kh. No. 84 (19-4)

- Citizen engagement and public participation in the conservation of wetlands is done through declaring Wetland Mitras, who are assisting the authority in protection and restoration of wetlands, thus deepening government's engagement with stakeholders. Presently 112 wetland mitras carry out probono wetland conservation activities.
- Seven Districts has identified model ponds (North, North West, South, South West, New Delhi, North East and West). Bench marks for Model Ponds prepared and sent to all District Magistrates by Wetland Authority of Delhi.
- In pursuance of Wetlands (Conservation and Management) Rules, 2017 a "Grievance Committee under Wetland Authority of Delhi was constituted on 01.07.2021 as a mechanism for hearing and forwarding grievances raised by the public to the Wetland Authority on Wetlands falling under their respective jurisdiction.

1. Mamoor pur Award No. 202/86-87 DDA
2. Mundka
3. Hiranki
4. Ashoka Park, New Friends Colony
5. Prasad Nagar Lake
6. Mayapuri
7. Holambi Khurd
8. Pooth Khurd
9. Najafgarh Jheel
10. Ghewara
11. Lam Pur
12. Ghewara
13. Rampura
14. Sakur pur
15. Bhalswa Lake
16. Mahipalpur
17. Jhatikra
18. Ambarhai
19. Smriti Van Lake

- The future plan of the Wetland Authority is to prepare a protocol for catchment area management, evolving low cost restoration techniques, and actively engage, coordinate and help land owning agencies to prioritize wetlands based on the brief documents prepared and notify them, thus ensuring long term protection and conservation of wetlands in Delhi.

Brief of Analysis Reports (Compliance Status) in respect of Functional STPs of Delhi Jal Board for the month January, 2023 **Annexure-1**

S. No.	Name of STP	Capacity (in MGD)	Existing STP Capacity (in MLD)	Capacity Being Utilized (in MLD)	Design Parameters BOD/TSS (in mg/l)	Date of Sampling	Brief of Analysis Reports (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≤ 5mg/l, Total Nitrogen (N-Total) ≤ 10 mg/l, Phosphate (PO_4 - P)≤ 2 mg/l , Fecal Coliform(FC) (MPN/100ml)< 230*]	Compliance w.r.t. Design parameters
1	Mehrauli	5	22.73	22.42	20/30	16.01.2023	Not Meeting the Prescribed standard in respect of TSS (36 mg/l against the prescribed standard of ≤ 10 mg/l), COD (72 mg/l against the prescribed standard of ≤ 50 mg/l), BOD (22 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (3.2 mg/l against the prescribed standard of ≤ 2 mg/l).	**No**
2	Okhla Phase – II	12	54.552	39.25	30/50	09.01.2023	Not Meeting the Prescribed standard in respect of TSS (18 mg/l against the prescribed standard of ≤ 10 mg/l) , BOD (14 mg/l against the prescribed standard of ≤ 10 mg/l) and COD (52 mg/l against the prescribed standard of ≤ 50 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
3	Okhla Phase – III	37	168.20	143.3	30/50	09.01.2023	Not Meeting the Prescribed standard in respect of TSS (18 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (14 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (2.4 mg/l against the prescribed standard of ≤ 2 mg/l). . However meeting the Design Parameters (BOD/TSS:30/50).	Yes
4	Okhla Phase – IV	45	204.57	175.8	30/50	09.01.2023	Not Meeting the Prescribed standard in respect of TSS (20 mg/l against the prescribed standard of ≤ 10 mg/l) and BOD (16 mg/l against the prescribed standard of ≤ 10 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
5	Okhla Phase – V	16	72.73	52.20	30/50	09.01.2023	Not Meeting the Prescribed standard in respect of TSS (16 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (12 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (2.4 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
6	Okhla Phase – VI	30	136.38	115.30	20/30	09.01.2023	Meeting the Prescribed standards.	Yes
7	Molarband	0.66	03	2.4	30/50	09.01.2023	Not Meeting the Prescribed standard in respect of TSS (26 mg/l against the prescribed standard of ≤ 10 mg/l), COD (72 mg/l against the prescribed standard of ≤ 50 mg/l) , BOD (14 mg/l	Yes

							against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (3 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	
8	**Dr. Sen Nursing Home Nalla**	2.2	10	10.94	**10/15**	11.01.2023	Meeting the Prescribed standards.	Yes
9	Vasant Kunj Phase – I	2.2	10	10.20	30/50	16.01.2023	Not Meeting the Prescribed standard in respect of TSS (28 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (16 mg/l against the prescribed standard of ≤ 10 mg/l),COD (68 mg/l against the prescribed standard of ≤ 50 mg/l) and Dissolved Phosphate as P (3.6 mg/l against the prescribed standard of ≤ 2 mg/l).However meeting the Design Parameters (BOD/TSS:30/50).	Yes
10	Vasant Kunj Phase – II	3	13.64	11.87	30/50	16.01.2023	Not Meeting the Prescribed standard in respect of TSS (32 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (18 mg/l against the prescribed standard of ≤ 10 mg/l),COD (88 mg/l against the prescribed standard of ≤ 50 mg/l), and Dissolved Phosphate as P (2.8 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
11	Ghitorni	5	22.73	9.4	30/50	16.01.2023	Not Meeting the Prescribed standard in respect of TSS (22 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (18 mg/l against the prescribed standard of ≤ 10 mg/l), COD (54 mg/l against the prescribed standard of ≤ 50 mg/l) and Dissolved Phosphate as P (2.8 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
12	**Delhi Gate Nalla Phase – I**	2.2	10	10.80	**10/15**	11.01.2023	Meeting the Prescribed standards.	Yes
13	**Delhi Gate Nalla Phase – II**	15	68.20	68.2	**10/10**	11.01.2023	Meeting the Prescribed standards.	Yes
14	**Kondli Phase – I**	10	45.46	30.4	**10/10**	11.01.2023	Not Meeting the Prescribed standard in respect of TSS (14 mg/l against the prescribed standard of ≤ 10 mg/l) .	**No**
15	Kondli Phase-III	10	45.46	43.4	**10/10**	11.01.2023	Not Meeting the Prescribed standard in respect of TSS (16 mg/l against the prescribed standard of ≤ 10 mg/l) and BOD (12 mg/l against the prescribed standard of ≤ 10 mg/l).	**No**

Brief of Analysis Reports (Compliance Status) in respect of Functional STPs of Delhi Jal Board for the month January, 2023 **Annexure-1**

16	Kondli Phase – IV	45	204.57	172.3	20/30	11.01.2023	Not Meeting the Prescribed standard in respect of TSS (164 mg/l against the prescribed standard of ≤ 10 mg/l), COD (212 mg/l against the prescribed standard of ≤ 50 mg/l), BOD (94 mg/l against the prescribed standard of ≤ 10 mg/l), Ammonical Nitrogen (16.5 mg/l against the prescribed standard of ≤ 5 mg/l) and Dissolved Phosphate as P (14.5 mg/l against the prescribed standard of ≤ 2 mg/l).	**No**
17	**Chilla**	9	40.91	40	**10/10**	11.01.2023	Meeting the Prescribed standards.	Yes
18	Yamuna Vihar Phase – I	10	45.46	43.25	30/50	12.01.2023	Not Meeting the Prescribed standard in respect of TSS (28 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (18 mg/l against the prescribed standard of ≤ 10 mg/l), COD (72 mg/l against the prescribed standard of ≤ 50 mg/l) and Dissolved Phosphate as P (4.3 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
19	Yamuna Vihar Phase – II	10	45.46	32.04	30/50	12.01.2023	Not Meeting the Prescribed standard in respect of TSS (26 mg/l against the prescribed standard of ≤ 10 mg/l) and BOD (16 mg/l against the prescribed standard of ≤ 10 mg/l) and COD (64 mg/l against the prescribed standard of ≤ 50 mg/l), Dissolved Phosphate as P (3.8 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
20	Yamuna Vihar Phase – III	25	113.65	111.23	20/30	12.01.2023	Not Meeting the Prescribed standard in respect of TSS (22 mg/l against the prescribed standard of ≤ 10 mg/l) , BOD (16 mg/l against the prescribed standard of ≤ 10 mg/l) and COD (56 mg/l against the prescribed standard of ≤ 50 mg/l). However meeting the Design Parameters (BOD/TSS:20/30).	Yes
21	**Common Wealth Games Village**	1	4.55	0.4	**02/01**	11.01.2023	Meeting the Prescribed standards.	Yes
22	Coronation Pillar Phase – I & II	20	90.92	34.54	30/50	09.01.2023	Not Meeting the Prescribed standard in respect of TSS (32 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (16 mg/l against the prescribed standard of ≤ 10 mg/l), COD (72 mg/l against the prescribed standard of ≤ 50 mg/l)and Dissolved Phosphate as P (3.2 mg/l against the prescribed standard of ≤ 2 mg/l) . However meeting the Design Parameters (BOD/TSS:30/50).	Yes
23	New Coronation Pillar	70	318.22	190.17	**10/10**	09.01.2023	Meeting the Prescribed standards.	Yes

Brief of Analysis Reports (Compliance Status) in respect of Functional STPs of Delhi Jal Board for the month January, 2023 **Annexure-1**

24	Narela	10	45.46	45	30/50	10.01.2023	Not Meeting the Prescribed standard in respect of TSS (32 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (15 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (2.2 mg/l against the prescribed standard of ≤ 2 mg/l) . However meeting the Design Parameters (BOD/TSS:30/50).	Yes
25	Rithala Phase –II	40	181.60	165	15/20	17.01.2023	Not Meeting the Prescribed standard in respect of TSS (18 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (14 mg/l against the prescribed standard of ≤ 10 mg/l) and COD (56 mg/l against the prescribed standard of ≤ 50 mg/l).However meeting the Design Parameters (BOD/TSS:15/20).	Yes
26	Rohini	15	68.19	44.62	30/50	17.01.2023	Not Meeting the Prescribed standard in respect of TSS (20 mg/l against the prescribed standard of ≤ 10 mg/l), COD (80 mg/l against the prescribed standard of ≤ 50 mg/l), BOD (18 mg/l against the prescribed standard of ≤ 10 mg/l), Ammonical Nitrogen (5.6 mg/l against the prescribed standard of ≤ 5 mg/l) and Dissolved Phosphate as P(3.1 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
27	Keshopur New (Phase I)	12	54.55	52.4	20/30	19.01.2023	Not Meeting the Prescribed standard in respect of TSS (16 mg/l against the prescribed standard of ≤ 10 mg/l) and BOD (14 mg/l against the prescribed standard of ≤ 10 mg/l) . However meeting the Design Parameters (BOD/TSS:20/30).	Yes
28	Keshopur Phase–II	20	90.92	76.76	30/50	19.01.2023	Not Meeting the Prescribed standard in respect of TSS (58 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (30 mg/l against the prescribed standard of ≤ 10 mg/l) and COD (112 mg/l against the prescribed standard of ≤ 50 mg/l).	**No**
29	Keshopur Phase–III	40	181.84	175	30/50	19.01.2023	Not Meeting the Prescribed standard in respect of TSS (62 mg/l against the prescribed standard of ≤ 10 mg/l), BOD (38 mg/l against the prescribed standard of ≤ 10 mg/l), and COD (136 mg/l against the prescribed standard of ≤ 50 mg/l) .	**No**
30	Nilothi Phase – I	40	181.84	153.17	30/50	13.01.2023	Not Meeting the Prescribed standard in respect of TSS (82 mg/l against the prescribed standard of ≤ 10 mg/l), COD (112 mg/l against the prescribed standard of ≤ 50 mg/l), Ammonical Nitrogen (15.4 mg/l against the prescribed standard of ≤ 5 mg/l) , BOD (44 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (2.8 mg/l against the prescribed standard of ≤ 2 mg/l)	**No**
31	**Nilothi Phase – II**	20	90.92	88.12	**10/10**	13.01.2023	Meeting the Prescribed standards.	Yes

Brief of Analysis Reports (Compliance Status) in respect of Functional STPs of Delhi Jal Board for the month January, 2023 **Annexure-1**

32	Pappankala Phase– I	20	90.92	90.2	30/50	17.01.2023	Not Meeting the Prescribed standard in respect of TSS (32 mg/l against the prescribed standard of ≤ 10 mg/l), COD (69 mg/l against the prescribed standard of ≤ 50 mg/l), BOD (20 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (2.5 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
33	**Pappankala Phase Phase – II**	20	90.92	87.2	**10/10**	13.01.2023	Meeting the Prescribed standards.	Yes
34	Najafgarh	5	22.73	20.2	30/50	13.01.2023	Not Meeting the Prescribed standard in respect of TSS (28 mg/l against the prescribed standard of ≤ 10 mg/l), COD (80 mg/l against the prescribed standard of ≤ 50 mg/l) , BOD (18 mg/l against the prescribed standard of ≤ 10 mg/l) and Dissolved Phosphate as P (4.8 mg/l against the prescribed standard of ≤ 2 mg/l). However meeting the Design Parameters (BOD/TSS:30/50).	Yes
35	**Kapashera**	5	22.73	22.4	**10/10**	16.01.2023	Meeting the Prescribed standards.	Yes
	Total		**2874.01 (in MLD) 632.2 MGD**	**2389.8 (in MLD) 525.7 MGD**				

Note:-

1. As per the Analysis Reports of DPCC Water Laboratory for January, 2023, out of 35 operational STPs of DJB, 35 STPs samples were analysed where 10 STPs were found complying with the standards prescribed by DPCC.
2. Out of 35 STPs, 28 STPs were found Complying w.r.t. Design parameters (BOD/TSS).

Annexure - 2

Status of 18 Major Drains Directly Out Falling into River Yamuna (As per the Information provided by DJB)

S. No.	Name of Drain	Discharge (MLD)	Status	Remarks
1.	Magazine Road Drain	7.8 (1.72 MGD)	Trap Completed.	Pollution in River Yamuna from this drain stopped.
2.	Sweeper Colony Drain	8.6(1.89 MGD)	Trap Completed.	---- Do--
3.	Khyber Pass Drain	1.7(0.37 MGD)	Trap Completed.	---- Do--
4.	Metcalf House Drain	17.25(3.80 MGD)	Trap Completed.	---- Do--
5.	Tonga Stand Drain	7.8(1.72 MGD)	Trap Completed.	There is small discharge from the local settlements downstream of trapping points for which it is proposed to trap and pump the same to the nearby sewer line.
6.	Moat Drain(Vijay Ghat)	Dry	Trap Completed. Dry drain	---- Do--
7.	Civil Military Drain	14.68(3.23 MGD)	Trap Completed.	---- Do--
8.	Delhi Gate Drain	75.16(16.55 MGD)	Trap Completed.	---- Do--
9.	Drain No 14	25.87(5.70 MGD)	Trap Completed.	---- Do--
10.	Tughlaqabad Drain	25.05(5.51 MGD)	Trap Completed.	---- Do--
11.	Kalkaji Drain	Merged with Tuglakabad Drain	Trap Completed.	---- Do--
12.	Tehkhand Drain	39.74(8.75 MGD)	Trap Completed.	---- Do--
13.	Sen Nursing Home Drain	43.20(9.51 MGD)	Trap Completed. However, overflow was observed from the gates on Sen Nursing Home Nallah installed by the agency operating the STP.	This drain is trapped into Dr Sen Nursing Home STP of Delhi As well as into the ring road trunk sewer. Some marginal flow passes/overflow. To stop this marginal flow permanent RCC Weir was being constructed to completely stop the overflow. However, the work was stopped by South MCD and the constructed structure was completely demolished by SDMC in the month of July 2020 due to the reason that it is caused obstruction to the flow during the monsoon, wherein WHO building was flooded.

S. No.	**Name of Drain**	**Discharge (MLD)**	**Status**	**Remarks**
14.	Qudsia Bagh+ Morigate Drain	43.2(9.51 MGD)	Work awarded on 23.12.2022 and is in progress.	Land allotted in O-zone. The payment of Rs 2.69 Cr as cost on 30/11/2021 and Rs 21.83 Lakh as interest on 15/03/2022 for allotment of 1500 Sq.m Land for construction of STP at the mouth of Mori Gate has been taken over from DDA. However, encroachment is yet to be removed by DDA For Mori Gate STP, an alternative proposal is framed to carry the sewage to Coronation Pillar STP for its treatment Via Nehru Vihar SPS by laying a rising main from proposed SPS at ISBT Kashmere Gate. Work Order has been issued on 23.12.2022. Work is in progress and likely to be completed by September 2023.
15.	Barapula Drain	145.15(31.97 MGD)	DJB is undertaking works for trapping of sewage in the command of Barapulla Drain as per the report of expert member of Monitoring Committee and the work of trapping flow in Kushak drain at Andrews Ganj Pumping station have been completed. Further, the sewer rehabilitation works are also under implementation at Munirka, Sarai Kale Khan, Saket etc. Remaining flow is expected to be around 68.91 to 90.92 MLD (15 to 20 MGD) for which it was earlier	The completion of the scheme is proposed September-2023.

			planned to construct a STP of 90.1 MLD (20 MGD) before outfall into the Yamuna. However, due to very high cost of land demanded by DDA, alternative techno-economical proposal has been framed for Intercepting the Barapullah drain flow by laying of interceptor sewer through micro tunneling and conveying the flow to Okhla WWTP for treatment. The work is in progress.	
16.	Maharani Bagh Drain	30.24(6.66 MGD)	The work of trapping has been completed to partially trap the flow to the extent of 9-10 MLD in C.V. Raman Marg Trunk sewer. The balance flow of the Maharani Bagh drain will be trapped in the proposed scheme of Barapullah drain. The completion of the scheme is proposed on September-2023.	The completion of the scheme is proposed September-2023.
17.	Najafgarh Drain	2056.32 (452.9 MGD)	Work is in progress.	There is about 453 MGD flow in the Najafgarh drain. Out of this at present 252 MGD comprises of treated effluent from STPs. From Haryana, untreated discharge of 105 MGD is being discharged through Badshahpur and DD-6 drains. There are 126 sub-drains out falling in Najafgarh Drain including Supp lementary drain.

				Out of 126 sub-drains of Najafgarh Drain, 32 sub-drains are untrapped and these will be trapped by October, 2023 in phased manner from Feb 2023. There are 110 sub-drains out falling in Supplementary drain. Out of 110 sub-drains, 30 sub-drains are untrapped and these will be trapped by October, 2023 in phased manner from Feb 2023.
18.	Shahdara Outfall Drain	475.2(104.66 MGD)	Work is in progress.	Total discharge in Shahdara drain is about 105 MGD, out of which 50 MGD (i.e. 45%) is untreated sewage is being discharged by UP through Shahibabad, Indirapuri and Banthala drain. There are 230 sub-drains out falling in Najafgarh Drain including Shahdara drain. Out of 230 sub-drains, 2 sub-drains are untrapped and these will be trapped by June 2023.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

Annexure -3

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)	Brief of Analysis Report (For Treated Effluent)	Action Taken
1	**Jhilmil CETP**	Jhilmil and Friends Colony Indl. Areas	**16.8**	**5.22**	12.01.2023	pH - 6.9 TSS - 452 COD - 556 BOD - 230 Oil & Grease – 17.6 Ammonical Nitrogen (N) – 25.8 Phosphate-14.3 Sulphide – 4.7	pH - 7.5 TSS - 88 COD - 136 BOD - 30 Oil & Grease – 6.8 Ammonical Nitrogen (N) – 4.6 Phosphate-2.9 Sulphide – 1.1	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.
2	**Badli CETP**	Badli Industrial Estate	**12**	**2.727**	09.01.2023	pH - 7.2 TSS - 168 COD - 256 BOD - 80 Oil & Grease – 14.0 Ammonical Nitrogen (N) – 30.6 Phosphate-13.9 Sulphide – 4.8	pH - 7.0 TSS - 76 COD - 112 BOD - 26 Oil & Grease – 3.2 Ammonical Nitrogen (N) – 6.8 Phosphate-4.7 Sulphide – 1.2	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi **Annexure -3**
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

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)	Brief of Analysis Report (For Treated Effluent)	Action Taken
3	**Mayapuri CETP**	Mayapuri Indl. Area	**12**	**3.6**	04.01.2023	pH - 6.9 TSS - 516 COD - 576 BOD - 250 Oil & Grease – 18 Ammonical Nitrogen (N) – 34.1 Phosphate-12.6 Sulphide –2.8	pH - 7.8 TSS - 86 COD - 100 BOD - 24 Oil & Grease – 4.8 Ammonical Nitrogen (N) – 5.9 Phosphate-2.6 Sulphide – 1.3	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.
4	**Mangolpuri CETP**	Mangolpuri Indl. Area	**2.4**	**1.62**	04.01.2023	pH -7.2 TSS - 468 COD - 616 BOD - 230 Oil & Grease – 14.8 Ammonical Nitrogen (N) – 22.5 Phosphate-10 Sulphide – 4.4	pH - 7.6 TSS - 86 COD - 164 BOD - 28 Oil & Grease –5.2 Ammonical Nitrogen (N) – 3.4 Phosphate-3.1 Sulphide – 1.0	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

Annexure -3

S. No.	Name of CETP	Industrial Areas Connected with CETP	Capacity (in MLD)	Monthly Average Flow (in MLD)	Da4te of Sampling	Influent Quality at Inlet (in mg/l)	Effluent Quality at Outlet (in mg/l)	Brief of Analysis Report (For Treated Effluent)	Action Taken
5	**Wazirpur CETP**	Wazirpur Indl Area	**24**	**2.361**	13.01.2023	pH -5.7 TSS - 308 COD - 512 BOD - 156 Oil & Grease –9.2 Ammonical Nitrogen (N) – 48.3 Phosphate-2.8 Sulphide – 4.8	pH -7.3 TSS - 60 COD - 88 BOD - 26 Oil & Grease – 2.8 Ammonical Nitrogen (N) – 10.8 Phosphate-2.0 **S**ulphide – 1.2	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.
6	**Nangloi CETP**	Nangloi& Udyog Nagar Indl Areas	**12**	**2.70**	04.01.2023	pH -6.8 TSS - 474 COD - 464 BOD - 190 Oil & Grease – 14.4 Ammonical Nitrogen (N) – 22.1 Phosphate-14.9 Sulphide – 4.7	pH -7.7 TSS - 78 COD - 124 BOD - 26 Oil & Grease – 5.4 Ammonical Nitrogen (N) – 3.6 Phosphate-1.2 Sulphide – 1.2	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

Annexure -3

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)	Brief of Analysis Report (For Treated Effluent)	Action Taken
7	**SMA CETP**	SMA, Rajasthani Udyog Nagar and SSI Industrial Areas	**12**	**2.717**	09.01.2023	pH -6.8 TSS - 454 COD - 420 BOD - 150 Oil & Grease – 10.0 Ammonical Nitrogen (N) – 25.1 Phosphate-14.5 Sulphide – 4.4	pH -7.5 TSS - 64 COD - 112 BOD - 24 Oil & Grease – 4.4 Ammonical Nitrogen (N) –5.9 Phosphate-1.9 Sulphide – 1.5	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.
8	**Okhla CETP**	Okhla Indl. Area	**24**	**1.429**	20.01.2023	pH -6.9 TSS - 560 COD - 676 BOD - 270 Oil & Grease – 18.8 Ammonical Nitrogen (N) – 43.6 Phosphate-14.1 Sulphide – 4.7	pH -7.6 TSS - 92 COD - 116 BOD - 28 Oil & Grease – 8.4 Ammonical Nitrogen (N) –21.8 Phosphate-3.4 Sulphide – 1.9	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

Annexure -3

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)	Brief of Analysis Report (For Treated Effluent)	Action Taken
9	**Narela CETP**	Narela Indl. Area	**22.5**	**10.436**	10.01.2023	pH -6.7 TSS - 456 COD - 332 BOD - 235 Oil & Grease – 19.6 Ammonical Nitrogen (N) –15.8 Phosphate-14.8 Sulphide – 4.6	pH -7.5 TSS - 86 COD - 128 BOD - 26 Oil & Grease – 5.6 Ammonical Nitrogen (N) –7.1 Phosphate-2.4 Sulphide – 1.5	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.
10	**Bawana CETP**	Bawana Indl. Area	**35**	**21.72**	10.01.2023	pH -7.1 TSS - 458 COD - 580 BOD - 230 Oil & Grease – 18.8 Ammonical Nitrogen (N) –14.9 Phosphate-14.2 Sulphide – 5.8	pH -7.5 TSS - 92 COD - 124 BOD - 30 Oil & Grease –6.4 Ammonical Nitrogen (N) –4.9 Phosphate-2.8 **S**ulphide – 1.6	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

Annexure -3

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)	Brief of Analysis Report (For Treated Effluent)	Action Taken
11	**Naraina CETP**	Naraina Indl. Area	**21.6**	**4.35**	04.01.2023	pH - 6.8 TSS - 448 COD - 512 BOD - 210 Oil & Grease -14.4 Ammonical Nitrogen (N)-30.8 Phosphate-8.1 Sulphide – 4.3	pH - 7.6 TSS - 80 COD - 120 BOD - 28 Oil & Grease - 5.6 Ammonical Nitrogen (N)-3.8 Phosphate-1.9 Sulphide – 1.7	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.
12	**GTK CETP**	GTK Road Indl. Area	**6**	**2.19**	13.01.2023	pH - 7.2 TSS - 440 COD - 672 BOD - 236 Oil & Grease -14.0 Ammonical Nitrogen (N)-40.9 Phosphate-14.7 Sulphide – 4.8	pH - 7.5 TSS - 80 COD - 115 BOD - 28 Oil & Grease - 3.2 Ammonical Nitrogen (N)-14.4 Phosphate-2.6 Sulphide – 1.6	**Meeting the Prescribed Standards.**	Letter issued to CETP Society on 13.02.2023 directing to ensure that the CETP take necessary measures to meet prescribed Treated Effluent Standards notified by MOEF&CC.

Brief Status of Common Effluent Treatment Plants (CETPs) in Delhi
(Based on the Analysis Reports of DPCC Laboratory for the Month of January, 2023)

Annexure -3

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)	Brief of Analysis Report (For Treated Effluent)	Action Taken
13	**Lawrence Road CETP**	Lawrence Road Indl. Area	**12**	**1.6**	09.01.2023	pH - 6.9 TSS - 516 COD - 424 BOD - 170 Oil & Grease -14.4 Ammonical Nitrogen (N)-20.8 Phosphate-11.1 Sulphide – 4.6	pH - 7.4 **TSS - 122** COD - 140 **BOD - 42** Oil & Grease -6.0 Ammonical Nitrogen (N)-11.7 Phosphate-3.4 Sulphide – 1.7	**Meeting the Prescribed Standards except in respect of TSS (122 mg/l against Prescribed Standard of 100 mg/l) and BOD (42 mg/l against Prescribed Standard of 30.0 mg/l).**	Letter issued to the CETP Society on 13.02.2023 with the direction to take necessary rectification measures to meet prescribed Standards and send the Action Taken/Compliance Report within 15 days.
		Total	**212.3**	**62.67**					

Annexure - 4

Existing & Proposed Municipal Solid Waste Processing Facilities in Delhi (As on 31.01.2023)

Total Municipal Solid Waste (MSW) Generation – 11332 TPD

S. No.	MSW Processing Facility	Capacity (in TPD)	Processing of MSW (in TPD)
1.	Waste to Energy Plant at Okhla	1950	1936* (Fresh MSW)
2.	Waste to Energy Plant at Ghazipur	1300	1052.3* (Fresh MSW- 357+ RDF - 695)
3.	Integrated MSW Facility at Bawana (1300 TPD Waste to Energy Plant & 700 TPD Compost Plant)	2000 (As per Consent given by DPCC)	2307.5* (Fresh MSW)
4.	Waste to Energy Plant at Tehkhand	2000	1611* (Fresh MSW- 1478 + RDF - 133)
5.	8 BioMethanation Plants of 5 TPD each at various locations	40	0
6.	20 Composters of 1 TPD each at various locations	20	20
7.	One Sorting Cum Composter Plant of 20 TPD at Tigris Road (in DCB area)	20	20
8.	6 Biogas Plants in NDMC area	8.25	8.25
9.	29 Organic Waste Convertors (OWCs) in NDMC Area	15.15	15.15
10.	261 Compost Pits [MCD-211+ NDMC-50]	559 [MCD – 543 + NDMC-16]	559
Total (Rounded off figure)		**7912**	**7529 [Fresh MSW - 6701 + RDF – 828]**
11	Recycling through 170 MRFs [MCD– 156 + NDMC- 03 +DCB-11]	**317TPD** [MCD- 253 (35+218) + NDMC–14 + DCB - 50]	**Recycling - 271 TPD** [MCD – 253 + NDMC – 14 + DCB – 04]
Grand Total (in TPD) [Processing Fresh MSW+Recycling]		**8229**	**6972**
12	Disposal of Fresh MSW at the Dumpsites	**4360 TPD** [11332 TPD - 6701 TPD (Fresh MSW Processed) - 271 **TPD (Recycled through MRFs)]**	

Note - *Based on the information provided by the operator of the Waste to Energy Plant.

Generation (in TPD) (1)	Total Capacity of Existing MSW Processing Facilities (in TPD) (2)	Processing of Fresh MSW (in TPD) (3)	Recycling Through MRFs (in TPD) (4)	Gap in Processing Capacity (in TPD) (5) = (1)-(2)-(4)	Gap in Processing (in TPD) (6)= (1)–(3)-(4)	Capacity of Proposed Facilities (in TPD)
11332	**7912 (69.8%)**	**6701 (59.1 %)**	**271 (2.4 %)**	**3149 (27.8%)**	**4360 (38.5%)**	**8462 TPD**

Proposed Waste Processing & Disposal Facilities in Delhi

S. No.	MSW Facility	No(s)	Location	Local Body	Capacity Addition (in TPD)	Timeline for Completion
1.	New Waste to Energy Plant at Narela-Bawana	1	Narela-Bawana	MCD	3000	August, 2025 (Bids received, under evaluation)
2	New Waste to Energy Plant at Ghazipur	1	Ghazipur	MCD	2000	Techno Economic Feasibility is under preparation.
3	Expansion of Existing Waste to Energy Plant at Okhla	1	Okhla	MCD	1000 (From 1950 TPD to 2950 TPD)	December, 2023 (Public Hearing held on 16.08. 2022 & Environmental Clearance given by MoEF&CC on 09.01.2023)
4.	Bio CNG Plant	1	Okhla	MCD	300 TPD (In place of existing Closed Compost plant of 200 TPD)	September, 2023 (Progress - 10%)
5.	Compressed Bio Gas (CBG) Plant	1	Ghogha Dairy	MCD	100 TPD	December, 2023
6.	Sorting cum Composter Plants	3	Kirby Place Delhi Cantt	DCB	60 (3 Plants)	July, 2023
7.	Decentralised Composter Plants	1	Vishwas Nagar	MCD	1TPD	March, 2023
		1	New Ashok Nagar		1TPD	
	Total	**10**			**6462 TPD**	

Note :1. Bio-CNG Plants at Nangli Dairy (215 TPD), Goyla Dairy (215 TPD), Ghogha Village Dairy (290 TPD) are proposed to be completed by **June, 2023** (These are mainly for the Waste generated from Dairies and not included in total MSW Generation of 11000TPD).

2. MRFs of varying capacities of total 110 TPD [viz. Keshavpuram (01), Civil lines (01), South zone (01), Central zone (02), West Zone (01), Najafagarh Zone (02)] are proposed.

3. One Engineered Sanitary Landfill (SLF) at Tehkhand is under construction and timeline for completion is **April, 2023** (Progress - 40%).

Status of Bio-Mining of Legacy Waste at 3 Dumpsites at Okhla, Ghazipur & Bhalaswa (As on 31.01.2023)

S.No.	Name of Dumpsite	Quantity of Legacy Waste Dumped (July, 2019)	Legacy Waste (Volumetric Assessment through Drone in June, 2022)	Total Quantity of Legacy Waste Bio-mined (As on 31.01.2023)	No. of Trommels Operational	Timeline for 100% Remediation
1	Ghazipur	140 Lakh Ton	85 Lakh Ton	16.46 Lakh Ton (11.75 %)	22	May, 2024 (Earlier March, 2024)
2	Okhla	60 Lakh Ton	45 Lakh Ton	24.53 Lakh Ton (40.88 %)	09	May, 2024 (Earlier Sept, 2023)
3	Bhalaswa	80 Lakh Ton	73 Lakh Ton	28.65 Lakh Ton (35.81 %)	10	May, 2024 (Earlier Dec, 2023)
Total		**280 Lakh Ton**	**203 Lakh Ton**	**69.64 LakhTon (24.87%)**	**41**	

Annexure - 5

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

No: CEO/IDMC/2022/ D-1556 Dated: 27/10/2022

"STOP CORONA: Wear Mask, Follow Physical Distancing, Maintain Hand Hygiene"

Minutes of the 15th Meeting of "Integrated Drain Management Cell" for remediation and drain management of all drains of Delhi, chaired by the Chief Secretary, Govt. of NCT of Delhi on 18.10.2022 constituted on the direction of Hon'ble NGT dated 05.03.2020 OA No 06/2012 in the matter of Manoj Mishra v/s Union of India & others.

The 15th IDMC meeting was held on 18.10.2022 under chairmanship of the Chief Secretary.

A detailed presentation was made by the Member (Secretary), IDMC covering Hon'ble NGT's directions and IDMC decisions taken during last meetings.

1. On being asked by the Chairman, IDMC regarding the performance audit of pilot projects executed by DoAs i.e. MCD and DDA, it was apprised that the performance audit was conducted departmentally through Director & Treatment Quality Control (DTQC), DJB and reports were shared with Drain Owning Agencies (DoAs) for taking remedial measures as parameters like TSS, BOD and COD were not found meeting prescribed designed standard norms.

   i. Regarding Shahadra Jheel Project, it was explained by Nodal officer of MCD that out of three drains only one drain has been trapped for treatment through Bio-remediation and necessary action is being taken up for the treatment of the remaining drains.

   ii. Regarding Dhobi Ghat and Kilokari wetland pilot project of the DDA, Nodal Officer of DDA informed that remedial actions are being taken to meet the desired standard in these wetlands.

   iii. The Chairman, IDMC directed MCD and DDA to take corrective action on priority to meet the desired parameters. The action plan for the same must be prepared and action taken report be submitted by the end of November 2022. If the timelines as per action plan are not adhered to, then stringent action will be taken against the officers concerned.

2. The WAPCOS report on the use of treated effluent was discussed. The Chairman, IDMC directed DJB to discuss the issue on Saturday separately in his chamber.

3. DoAs were directed to identify the number of drains along with length of drains that are carrying sewage mixed water. Drains that are carrying exclusively storm water need not be trapped for treatment. Accordingly, an action plan must be prepared by all DoAs for Bio-remediation/Phyto-remediation or any other technology suggested by CPCB for the drains carrying sewage mixed water along with timelines duly mentioning the name of officers along with designation responsible to meet the timelines. The required format will be circulated by DJB separately. The desired information is required to be submitted by all DoAs within 15 days.

4. In reference to the letter addressed to the CEO, DJB {being Member (Secretary) of IDMC} written by MCD to arrange the fund of Rs. 233.14 Crores by DJB for drain management of 550 drains having the discharge more than 1 MLD in 1st phase under the jurisdiction of MCD, Member (Secretary), IDMC informed that it is the responsibility of all DoAs to arrange funds at their level, not by DJB.

5. In the matter of "LOKESH KUMAR AND ORS" under Hon'ble High Court case W.P.(C) 10459/2021 regarding Shriniwas Puri, a detailed presentation was given by Nodal Office, MCD. The Chairman, IDMC directed all the concerned departments (MCD, DUSIB, PWD, Delhi Jal Board, Agriculture Produce Marketing Committee) to ensure completion of all the necessary work for resolving issues of the petitioners in the above-said matter within 3 weeks failing which suitable action will be taken against the officers concerned. A detailed status report will be submitted for the perusal of the Chairman IDMC by 30.11.2022 by all concerned departments through Member Secretary, IDMC.

6. Member Secretary, IDMC has been asked to ensure that ATR on minutes of all previous meetings as well as this meeting may be obtained from concerned DoAs within a fortnight, failing which their explanations be called for taking further necessary action.

Meeting ended with thanks to the Chair.

(P. Krishnamurthy)
Member (Secy.), IDMC

All Concerned

Copy to:-

1. OSD to CS

Member (Secy.), IDMC

Annexure- 6

DELHI POLLUTION CONTROL COMMITTEE
WATER LABORATORY
[th]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/2023/5316 20/01/2023
DATE OF SAMPLING: 02.01.2023

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	7.30	24	1.5	10	2×10^2
2	Wazirabad	28.7131310, 77.2319304	7.24	42	6.5	7.1	5.5×10^3
3	ISBT Bridge	28.6713533, 77.2338207	7.11	152	38	NIL	10×10^4
4	ITO Bridge	28.6284288, 77.2534977	7.42	106	35	1.0	8.1×10^4
5	Nizamudin Bridge	28.5915608, 77.2715342	7.44	160	42	NIL	14×10^3
6	Okhla Barrage	77°18'49" 28°32'40"	7.38	176	48	NIL	23×10^4
7	Agra Canal at Okhla Barrage	28.545414, 77.311075	7.33	160	44	NIL	17×10^4
8	River Yamuna at Asgarpur (After confluence of Shahdara & Tuglakabad drains)	28.4657003, 77.33905231	7.46	186	56	NIL	2×10^5

N Mitra
I/C Water Lab
Dr. Nandita Mitra
Scientist

Annexure -7

DELHI POLLUTION CONTROL COMMITTEE
WATER LABORATORY
4th FLOOR, ISBT BUILDING, KASHMERE GATE, DELHI-06
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WATER QUALITY STATUS OF DRAIN

REPORT NO: DPCC/W/D/2023/5347

20/01/2023

Date of Sampling: -02.01.2023

S.No.	Name of Sample	pH	TSS (mg/l)	COD (mg/l)	BOD (mg/l)
	Standards	5.5- 9.0	100	250	30
1.	Najafgarh Drain	7.3	120	272	53
2.	Metcalf House Drain	NO FLOW	NO FLOW	NO FLOW	NO FLOW
3.	Khyber Pass Drain	NO FLOW	NO FLOW	NO FLOW	NO FLOW
4.	Sweeper Colony Drain	7.3	96	168	40
5.	Magazine Road Drain	NO FLOW	NO FLOW	NO FLOW	NO FLOW
6.	ISBT Drain	7.2	124	208	44
7.	Tonga Stand Drain	7.2	38	64	25
8.	Civil Mill Drain	7.3	104	240	46
9.	SEN Nursing Home Drain	7.3	132	266	50
10.	Drain No. 14	7.5	42	88	21
11.	Power House Drain	7.6	112	224	53
12.	Indrapuri Drain	7.3	116	256	54
13.	Sonia ViharDrain	7.2	136	320	63
14.	Kailash Nagar Drain	7.4	124	176	58
15.	Shastri Park Drain	7.5	68	208	40
16.	Barapulla Drain	7.6	88	213	43
17.	Maharani Bagh Drain	7.4	92	186	46
18.	Old Agra Canal Drain	7.2	100	224	45
19.	Jaitpur Drain	7.4	108	176	48
20.	SaritaVihar Pool	7.5	76	160	44
21.	Tuglakabad Drain	7.6	168	264	64
22.	Drain Near LPG Bottling Plant	NO FLOW	NO FLOW	NO FLOW	NO FLOW
23.	Drain Near Sarita Vihar Bridge (Mathura Road)	NO FLOW	NO FLOW	NO FLOW	NO FLOW
24.	Shahdara Drain	7.4	112	272	60
25.	Sahibabad Drain	7.3	128	320	66
26.	Molarband Drain	7.2	72	192	42
27.	AbulFazal Drain	7.4	128	304	50
28.	Supplementary Drain	7.2	96	213	45

N Mitra

I/C Water Lab

Dr. Nandita Mitra
Scientist

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st January, 2023

Annexure-8

S. No.	Project Area	Total Site Area (In Ha)	Area repossessed (In Ha)	Area to be repossessed (In Ha)	Details
1.	Asita East (DDA)	90	90	Nil	-
	Asita East(UP)	107	50.24	*28.85	21 Hectares area has Already been transferred to PWD by UP irrigation Deptt.
2.	Kalindi Aviral	263	39.81	17	17 Ha under litigation.
3.	Kalindi Biodivdersity Park	115	2.5	-	-
4.	Asita West	200	176.19	5.7	-
5.	Amrut Biodiversity Park (DDA)	108	91.5	1	-
	Amrut Biodiversity Park (CPWD)	8.25	-		
6.	Yamuna Vansathali	236.5	101.03	17.76	
7.	Mayur Nature Park (DDA)	235	23.02	*100	Part land is under litigation. 100 Ha land de-notified.
	Mayur Nature Park (UP)	162.75			
8.	Eco-Tourism (DDA)	22.7*		7.3	
	Eco-Tourism (DTC)	7.3			
Total		1555.5	574.29	177.61	Regular demolition programmes are being organized to remove the encroachments in time bound manner.

Annexure- 9

DETAILS OF CHALLANS FROM THE YEAR 2018-22

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.22,92,500/-
3.	2020	Dumping of malba and unauthorized parking in Yamuna River flood plain.	54	Rs.21,30,000/-	Rs.5,45,000/-
4.	2021	Dumping of malba and illegal parking in Yamuna River Flood Plain	776	Rs.1,22,95,000/-	Rs.18,05,000/-
5.	2022	Dumping of malba and illegal parking in Yamuna River Flood Plain	1167	Rs.2,74,80,000/-	Rs.10,20,000/-
6.	2023	Dumping of malba and illegal parking in Yamuna River Flood Plain	118	Rs.11,75,000/-	Nil
		TOTAL =	**2302**	**Rs. 5,21,70,000/-**	**Rs.56,62,500/-**

Annexure -10

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st January, 2023

	Project	Area/ Encroached area/Jhuggis	Water bodies Total / Completed	Timelines	Status
1.	**Asita East**– (Old Railway Bridge to ITO Barrage -Eastern Bank) PART A: Under the jurisdiction of **DDA.** PART B: Under the jurisdiction of **UP Irrigation Deptt.** (Deposit work)	Total Area- 197 Ha PART A: 90 Ha PART B:107 Ha.	 PART A: 1/1 PART B: 3/3	 PART-A: Completed PART-B: 31.08.2023	**PART B**: Present progress is 48% (Civil) & 25% (Hort.). Work completed are as under: 1. Excavation of 3 water bodies. 2. Construction of 3 ramps. 3. Embankment of 1 parking. Work delayed due to flooding & sludgy site, construction ban by CAQM and earlier work held up due to encroachment which has been removed.
2.	**Kalindi Aviral-** (NH24 to DND Flyway- Western Bank)	Total Area : 263 Ha Part A : 100 Ha Part B : 163 Ha/17Ha /200 nos	3/3	Part A : Completed	**Part B :** Conceptual proposal is under process. 17 Hac under litigation NDOH:- 26/04/2023
3.	**Kalindi Biodiversity Park**– (DND to proposed Kalindi By-Pass- Western Bank) Entrusted to CEMDE	115 Ha		Wetland completed in available space.	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.
4.	**Asita West**- (Old Railway Bridge to ITO Barrage- Western Bank) Part A : 93 Ha (Already developed) Part B : 107 Ha (under development)	200 Ha / 5 Ha/695 Nos.	Part A : 2/2 Part B : 5/4	Part A:- Complete Part B: 30/12/2023	**Part B** :- **(for 107 Ha)** Present progress is 80% (Civil) & 16% (Hort.). Work completed are as under : 1. Excavation of 4 water bodies. 2. Excavation of 1 oxidation pond. 3. 1900m moorum path out of 2500 m 4. 3 ramps constructed. 5. 1100 m cycle hike zone (cycle track) out of 1200 m Work and Encroachment removal are delayed due to Court case no. W.P(C) 5214/2018 & Next date of hearing is 14/03/2023 and also work held up due to obstruction by local residents.

Status of 'Restoration and Rejuvenation of River Yamuna floodplains' as on 31st January, 2023

5.	**Amrut Bio Diversity Park**- ITO to NH-24 (Eastern & Western Bank)- Area South of CWG Village Area Part A : 90 Hac (Eastern bank) - DDA Part B : 18 Hac (Western bank) -DDA Part C : 8.25 Hac (Western bank) - CPWD	18 Ha / 2 Ha /95 Nos	7/6	22.05.2024	Part A : For 90 Ha of land: Present progress is 55% (Civil) 2% (Hort.). Work completed are as under (For 90 Ha): 1. Excavation of 6 water bodies out of 7. 2. 8000 m pedestrian path out of 12000m. 3. 1 entrance plaza out of 2. Works are delayed due to flooding of site & construction ban by CAQM. Part B : HC / LM (36878)19/L.WP(C) No 12504/2019 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 (Qudsia Ghat) Part B : Sur ghat, Eco-trail, Yamuna Bazaar	Total Site Area- 66 Ha (Qudsia Ghat- 16 Ha, Sur Ghat-13.6 Ha, Eco-trail- 33 Ha, Yamuna Bazaar Area- 3.4 Ha)	1/-	Part A : 31.07.2023 Part B : 31/12/2023	Part A : Present progress is 40% (Civil). The work has been assigned to M/s INTACH on nomination basis for Quadsia Ghat. Pathways & Chatri works in progress. Part B : Tender for remaining area (50 Ha.) has been re-called.
7.	**Yamuna Vanasthali**- (Wazirabad Barrage to ISBT Bridge- Eastern Bank, around GarhiManduVillage &Usmanpur Village)	236.5 Ha / 17.76 Ha /323Nos.	7/6	31.12.2023	Present progress is 82%. Work completed are as under (for 236.5 Ha): 1. Excavation of 6 water bodies 70% pedestrian path completed Work is delayed due to flooding of site & construction ban by CAQM & pending court cases. Court Cases: 1) WP(C) 7542/ 2017; NDOH- 10/08/2023, 2) WP(C) 7135/2019; NDOH- 04/07/2023
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	----	------	i. The land demarcation is in-progress with Revenue Department. The work is being delayed due to farmer agitation. ii. LM Department informed that approximately 100 Ha of land has been de-notified out of the total 235 Ha. iii. Accordingly, the landscape plan also needs to be reworked. The work of UP Irrigation land of 162.75 Ha is to be taken up on deposit work basis.
9.	**Eco-Tourism Area**- (Geeta Colony Bridge to ITO Barrage- Western Bank)	30 Ha/0.33 Ha/32 Nos.	------	-----	Area falls outside 1 in 25 year floodplain. Proposal will be taken up once the 'O-II' is finalized after notification of MPD-2041. WP (C) No : 11871/2022 NDOH : 15/03/2023

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- 45 Ha PART A: 15 Ha PART B:30 Ha			The project comprises of creation of wetlands for treating water from the Hindon Canal the mouth of which falls under the jurisdiction of UP Irrigation Department. Work is entrusted to CEMDE The landscape plan also needs to be reworked.
	Total	DDA- 1366.75 Ha / 42.09 Ha/ 1345 Nos. UP Irrig.-299.75Ha 1666.5 Ha	29/25		(a) Completed DDA = 283 Ha (b) In progress DDA = 640.75 Ha UP Irrig. = 107 Ha. = 747.75 Ha (c) In planning DDA= 443Ha UP= 192.75 Ha = 635.75 Ha
	Protection and management of Flood Plain Zone(FPZ)				**Protection of flood plain of Yamuna river & prevention of encroachment:** **1. Demarcation of 1 in 25 years floodplains and fixing up of bollards and fencing:** The demarcation of 1 in 25 years flood plain of River Yamuna fromWazirabad to Jaitpur on both banks has been done by installation of bollards duly marked with GPS Co-ordinates. The Flood plains stretch have been demarcated by providing 591 bollards (250 mm dia, 1 m high with 1x1x1 footing);375 nos. Flag post & 27 nos. sign boards. 2. **Engagement of Private Security to stop illegal Dumping:** Private security has been engaged by DDA to stop illegal dumping.125 Security Guards have been deployed by DDA round the clock in three shifts at vulnerable points, with 4 patrolling vehicles in the Yamuna Flood Plain area from Wazirabad Barrage to Okhla Barrage to check illegal dumping of Malba and to prevent encroachment . 3. **Installation of Electronic Surveillance System:** 93 nos cameras have been installed at 27 no locations from Wazirabad Barrage to Okhla Barrage to check illegal dumping of malba into flood plains area. **4. Removal of Encroachment from Flood Plain:** Regular demolition programmes are being organized to remove the encroachments in time bound manner.

* The area under the jurisdiction of UP Irrigation Department are additional to the total site area under the jurisdiction of DDA in all the above 10 projects.

Annexure – 11

List of 25 Redevelopment Areas in Delhi

S. No.	Name of Redevelopment Area
1	Anand Parbat
2	Shahdara
3	Samai Pur Badli
4	Jawahar Nagar
5	Sultanpur Mazra
6	Hastsal Pocket-A
7	Naresh Park Extension
8	Libaspur
9	Peeragarhi Village
10	Khyala
11	Hastsal Pocket- D
12	Shalimar Village
13	New Mandoli
14	Nawada
15	Rithala
16	Swarn Park Mundka
17	Haiderpur
18	Karawal Nagar
19	Dabri
20	Basai Darapur
21	Prehladpur Bangar
22	Mundka and Mundka Udyog Nagar
23	Phirni Road, Mundka
24	Ranhola
25	Nangli Sakrawati