



Department of
Environment, GNCTD

Delhi Pollution
Control Committee



10th Meeting of HLC

REJUVENATION OF RIVER YAMUNA

Previous meetings : 20th Jan, 14th Feb, 14th Mar , 21st Apr, 09th June, 10th Aug, 10th Oct 2023,
10th Jan, 2024, 20th Feb, 2024

**To Review progress in implementation of Action Plan &
Vetting of Status Report filed before Hon'ble NGT**

23.07.2024

(Nizamuddin West Association Vs Uol)

" Interim Application filed by Nizamuddin West Association on 31.01.2024 in O.A. No. 6/2012 in matter of "Nizamuddin West Association Vs. Union of India"

"Execution Application has also been filed regarding compliance of the Directions of the Hon'ble National Green Tribunal in judgment dated 13.01.2015 in OA No. 06 / 2012 in the matter of "Manoj Mishra Vs. Union of India and Ors " and OA No. 300 / 2013 in matter of "Manoj Mishra Vs. Union of India and Ors." related to control of pollution and Rejuvenation of Yamuna . "

Response filed by DJB, DPCC & DDA. .Hearing before Hon'ble NGT held on 01.07.2024 & **04.07.2024** and next hearing is scheduled to be held on 02.08.2024. GNCTD to file its response.

1. I.A. No. 72/2024 filed on behalf of applicant-Nizamuddin West Association seeking certain direction in respect of Barapulla drain.

Next Date of Hearing : 02.08.2024

Achievements of HLC (Since Jan, 2023)

S. No.	Achievement	Status in Jan, 2023	Present Status/Status in June, 2024
1.	Increase in treatment capacity	632 MGD	712 MGD (80 MGD)
2.	Increase in treatment	530 MGD	607.1 MGD (77.1 MGD)
3.	Significant progress in major projects: a) Construction of new STP at Okhla	76.7%	97.30% (Liquid Line started/Under Trial Run)
4.	b) Construction of new STP at Sonia Vihar	38.84%	98.24% (Liquid Line is likely to start in July, 2024)
5.	c) Rehabilitation/ upgradation of STPs at i. Rithala Phase I	29%	98.82% (Under Test & Trial Run,)
6	Rehabilitation/ upgradation of STPs at ii. Kondli Phase II	85%	Under Test & Trial Run

Achievements of HLC (Since Jan, 2023)

S.No.	Achievement	Status in Jan, 2023	Status in June, 2024
7.	Rehabilitation/ upgradation of STPs at Kondli Phase IV	07%	Completed (In operation)
8.	Allotment of land for DSTPs	Land at 38 location allotted out of 40 DSTPs	
9.	Trapping of sub drains -Najafgarh, Supplementary Drains	06	50 (44)
10.	Laying of Sewerage network in unauthorized colonies	747 No	1168 No (421)
11.	Connection of JJ Clusters with the sewerage networks/ DSTPs	558	581 (23)
12.	Desilting of sewer more than 1000mm dia.	0	85.38 Km
13.	Desilting of sewer a) Less than 1000mm dia.	0	162.25 Km
14.	Removal of encroachment from flood plain of Yamuna	565.32 acres land freed from encroachment from May, 22 to June, 24.	

Yamuna Water Quality : Jan, 2023 & Jul, 2024

S. No.	Location	Water Quality Criteria ('C' Class)							
		COD (mg/l)		BOD (mg/l) 3mg/l or less		DO (mg/l) 5mg/l or more		Fecal Coliform MPN/100ml 500(desirable) 2500 (max permissible) (in lakh)	
		Jan, 2023	Jul, 2024	Jan, 2023	Jul, 2024	Jan, 2023	Jul, 2024	Jan, 2023	Jul, 2024
1	Palla	24	28	1.5	2.5	10	9.4	0.002	0.0092
2	Wazirabad	42	36	6.5	5.0	7.1	6.2	0.055	0.016
3	ISBT Bridge	152	112	38	36	0	0	1	0.22
4	ITO Bridge	106	108	35	42	1	0	0.81	0.24
5	Nizamudin Bridge	160	156	42	45	0	0	0.14	0.28
6	Okhla Barrage	176	132	48	40	0	0	2.3	0.35
7	Agra Canal at Okhla Barrage	160	144	44	37	0	0	1.7	0.92
8	River Yamuna at Asgarpur (After confluence of Shahdara & Tuglakabad drain)	186	176	56	80	0	0	2	1.6

Water Quality of Untapped Outfalling Drains into Yamuna (Jan., 2023 & July, 2024)

S.No.	Name of Drain	TSS (mg/l)		COD (mg/l)		BOD (mg/l)	
		Jan, 2023	July, 2024	Jan, 2023	July, 2024	Jan, 2023	July, 2024
Standards		100		250		30	
1	Najafgarh	120	132	272	140	53	45
2	ISBT Drain (Qudsia Bagh/ Mori Gate)	124	82	208	244	44	40
3	Sen Nursing Home	132	120	266	212	50	60
4	Delhi Gate/(Power House)	112	112	224	292	53	60
5	Shastri Park	68	65	208	172	40	35
6	Barapulla	88	97	213	224	43	39
7	Maharani Bagh	92	91	186	216	46	52
8	Jaitpur	108	103	176	204	48	55
9	Tuglakabad	168	78	264	144	64	52
10	Shahdara	112	109	272	272	60	80

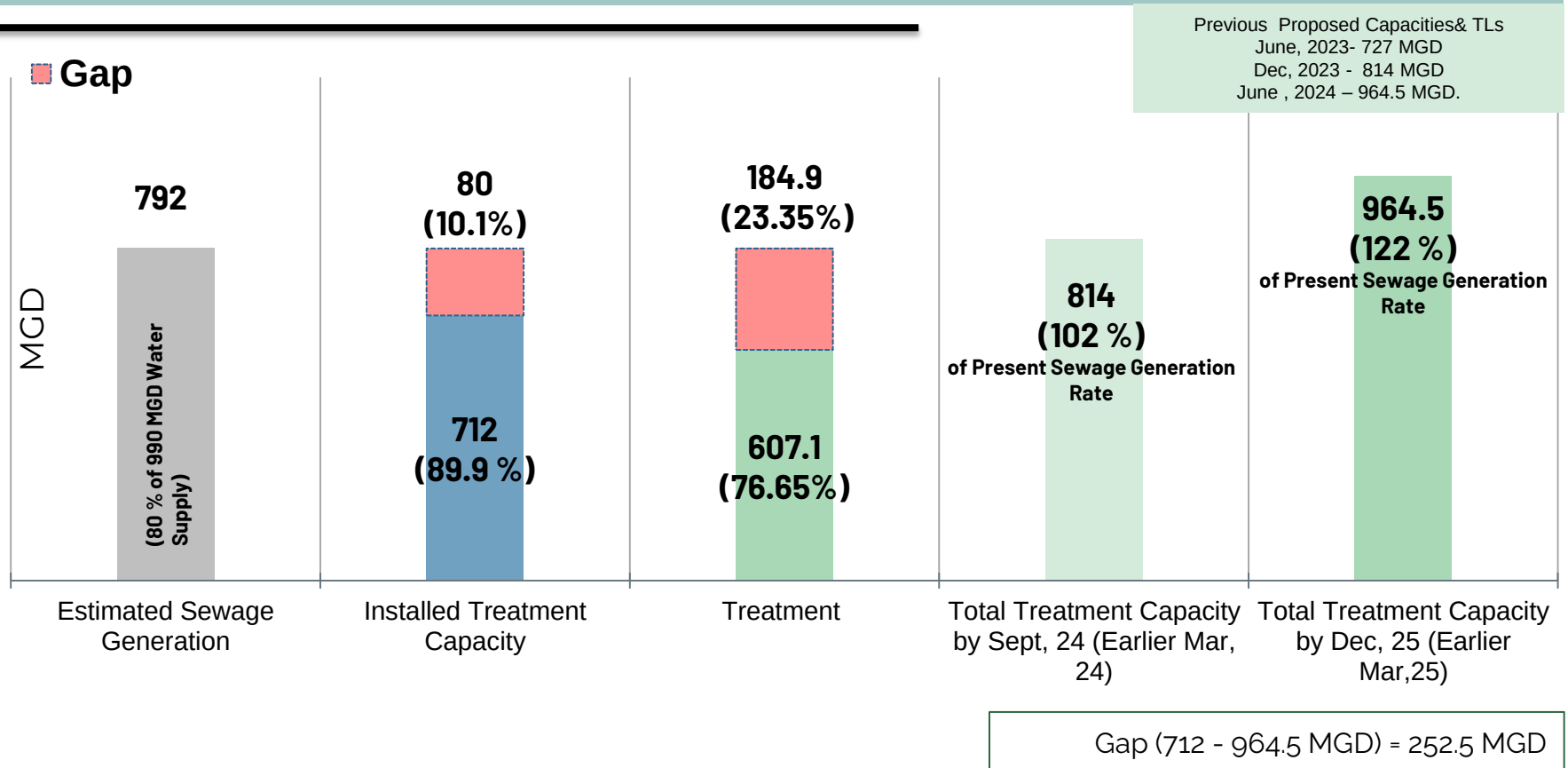
Improvement of water quality in Yamuna

Major Action points

1. 100 Percent Treatment of Sewage
2. Trapping of all Drains
3. Sewerage Network in 1799 Unauthorised Colonies and 639 JJ Clusters
4. Industrial Effluent Management by 13 CETPs
5. Faecal Sludge (Septage) Management
6. Regulation of Floodplain (By DDA)
7. Utilization of Treated Wastewater

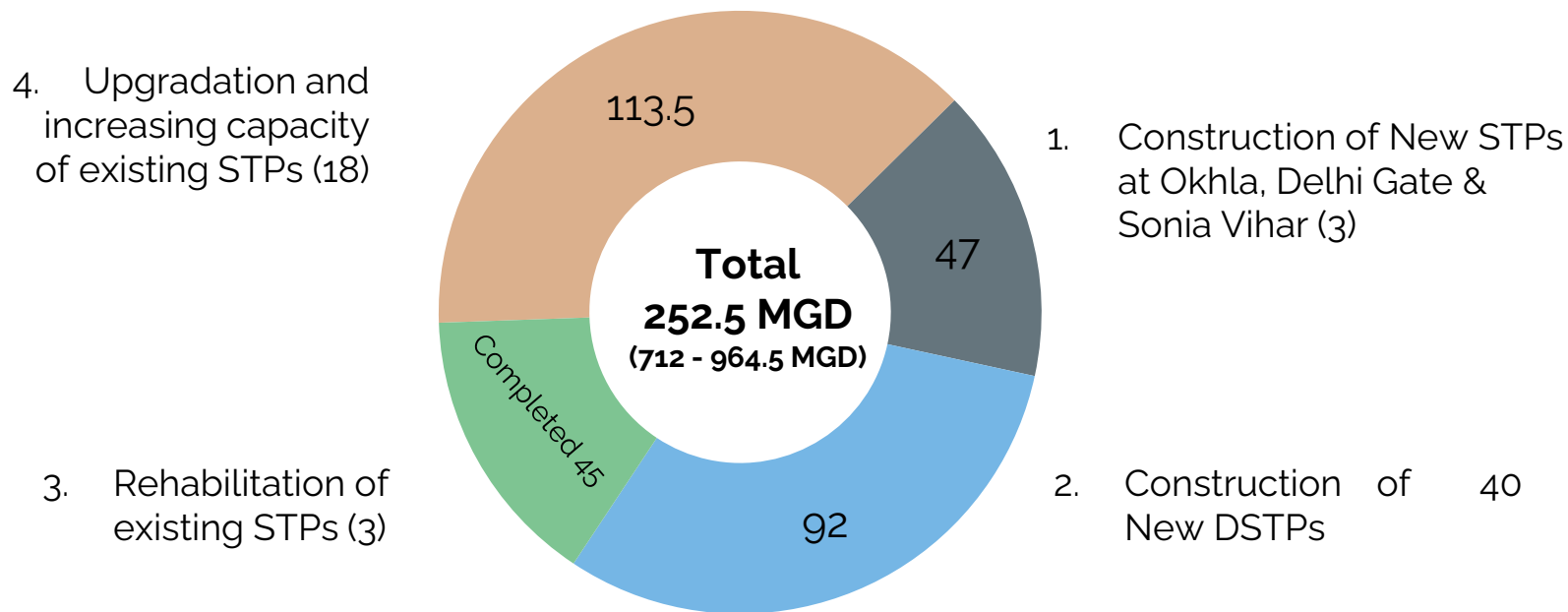
1384 Action Points

Treatment of Sewage



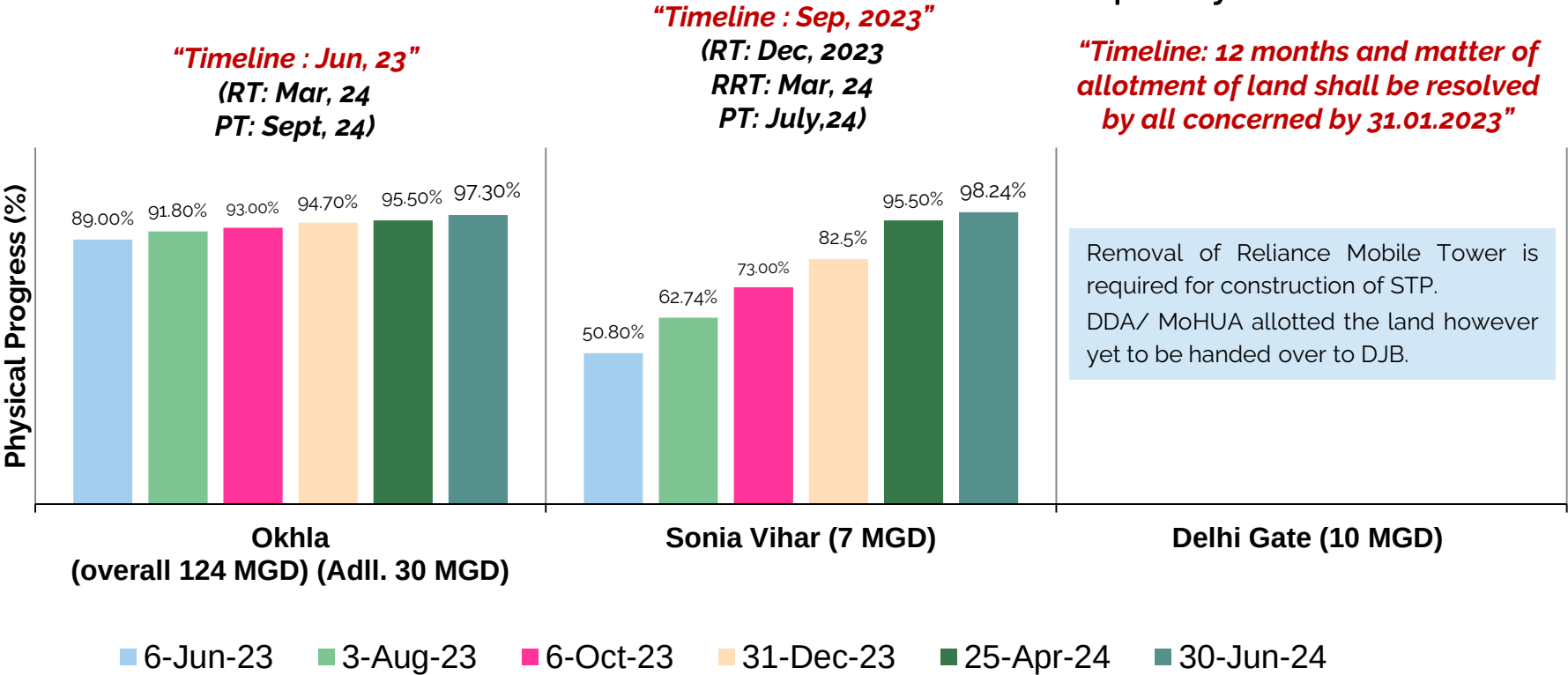
1. 100 Percent Treatment of Sewage

Focus Areas for Enhancing Sewage Treatment Capacity



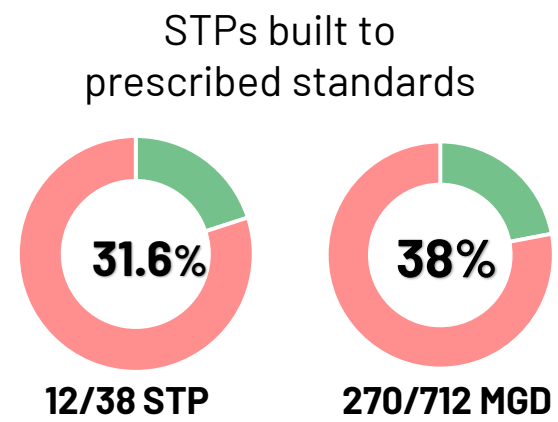
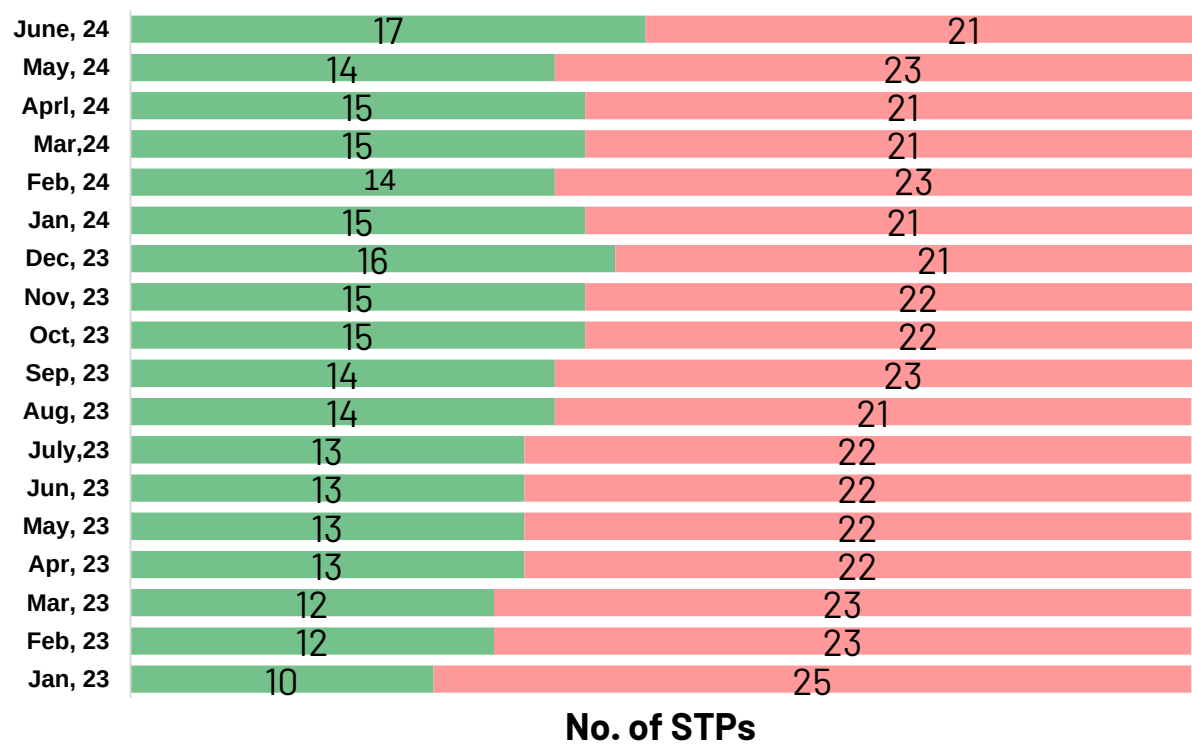
1.1 Progress in Construction of 3 new STPs

Capacity Addition: 47 MGD



1.2Water quality monitoring of STPs (38* in June, 2024)

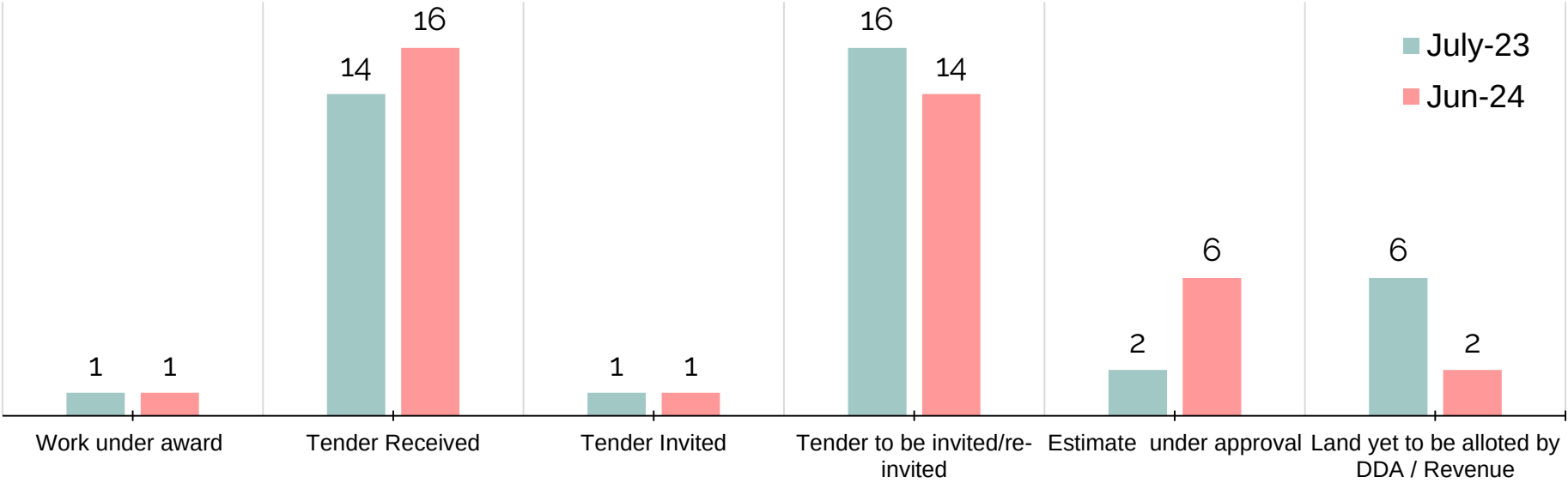
Compliance with prescribed standards of BOD:TSS (10:10)



*02 STPs under Test /Trial Run (Kondli Ph-II & Rithala Ph-I) & New Okhla STP under Trial Run

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD



"Timeline : Dec, 2024"

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD

SNO	Name of DSTP	Capacity	Present Status
1	Mitraon	10.89	Work is under award
2	Ghewra	0.44	Tenders re-invited. Were under HAM Model which is under review. Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
3	Kair	1.1	Tenders under award, Funds approved under AMRUT 2.0. Were under HAM Model which is under review. F Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
4	Kakrola	2.64	
5	Khanganneri	0.77	
6	Dichaon Kalan	1.98	

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD

SNO	Name of DSTP	Capacity	Present Status
7	Punjab Khor	0.22	Tenders re-invited. Were under HAM Model which is under review. Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
8	Jat Khor	0.22	
9	Qutubgarh	0.66	
10	Auchandi	0.88	
11	Mohammadpur Majri & Karala	2.86	
12	Kanjhawala & Ladpur	1.1	
13	Nizampur and Sawda	1.32	
14	Garhi Rindhala	0.22	
15	Jaunti	0.44	

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD

SNO	Name of DSTP	Capacity	Present Status
16	Khera Khurd	0.6	Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
17	Zindpur	15	Tenders received and under Technical Evaluation. Funds approved under AMRUT 2.0. Were under HAM Model which is under review. Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
18	Sarangpur Village	1.32	Tenders re-invited. Funds approved under AMRUT 2.0. Were under HAM Model which is under review. Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
19	Galibpur Village	0.55	
20	Kazipur Village	0.55	
21	Jafarpur Village	1.32	

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD

SNO	Name of DSTP	Capacity	Present Status
22	Khera Dabar Village	0.55	Tenders being re-invited. Funds approved under AMRUT 2.0. Were under HAM Model which is under review. Latest guidelines -AA & ES for estimates to be approved by UD./ EFC/ GoM
23	Hasanpur Village	1.32	
24	Shikarpur Village	0.66	
25	Chandanhola Satbari	0.44	Land allotted and taken over. NIT finalized. however as per new guidelines, AA & ES of scheme to be got approved from EFC. Accordingly, the case submitted for approval and thereafter tender will be invited.
26	Tajpur Pahari	10	
27	Jauna Pur-I	3.18	Balance land allotted on 02.01.2024 and taken over. NIT finalized, However as per new guidelines, AA & ES of the scheme to be got approved from EFC. Accordingly, the case is being submitted for approval and thereafter tender will be invited.
28	Jauna Pur-II		
29	Dera Mandi , Bhati		
30	Fatehpur Beri & Asola		

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD

31	Salapur Majra	1.38	Draft NIT under approval. Further as per latest guidelines, AA & ES of estimates to be approved by UD deptt./ EFC/ GoM. Award case is under financial concurrence
32	Bajitpur Thakran	2.2	
33	Palla (Sungarpur)	0.44	Land Available. Estimate prepared and under approval. Further as per latest guidelines, AA & ES for estimate to be approved by UD deptt./ EFC/ GoM.
34	Tajpur	1.1	
35	Rangpuri	5	For construction of STP & SPS, DDA allotted land to DJB. Payment has been processed
36	Chattarpur Extension	0.38	1525.25 sqm land allotted on 05.03.2024 out of 4 Bigha 4 Biswa. Payment amounting to Rs. 384.24 lac deposited to DDA on 17.05.2024. Possession of land is yet to be handed over by DDA.
37	Maidan Garhi (Rajpur Khurd)	0.95	Land is yet to be allocated by DDA

1.2 Construction of 40 New DSTPs

40 DSTPs: Capacity Addition: 92 MGD

SNO	Name of DSTP	Capacity	Present Status
38	Nayabans	4.4	Land is yet to be allocated by DDA
39	Tajpur Khurd	7.92	Land handed over on 21.06.2024. Scheme taken up accordingly. Estimates being prepared.
40	Tikri Kalan	1.32	Land handed over on 01.07.2024. Scheme taken up accordingly. Estimates being prepared.

Decision Taken in 9th HLC:

"7.1.7.5 Chief Secretary, GNCTD directed Divisional Commissioner-cum-ACS (Revenue) to expedite allocation of private land at two locations to DJB."

Land at Tajpur Khurd & Tikri Kalan handed over to DJB by Revenue Deptt.

1.2. Land Issues (DDA)

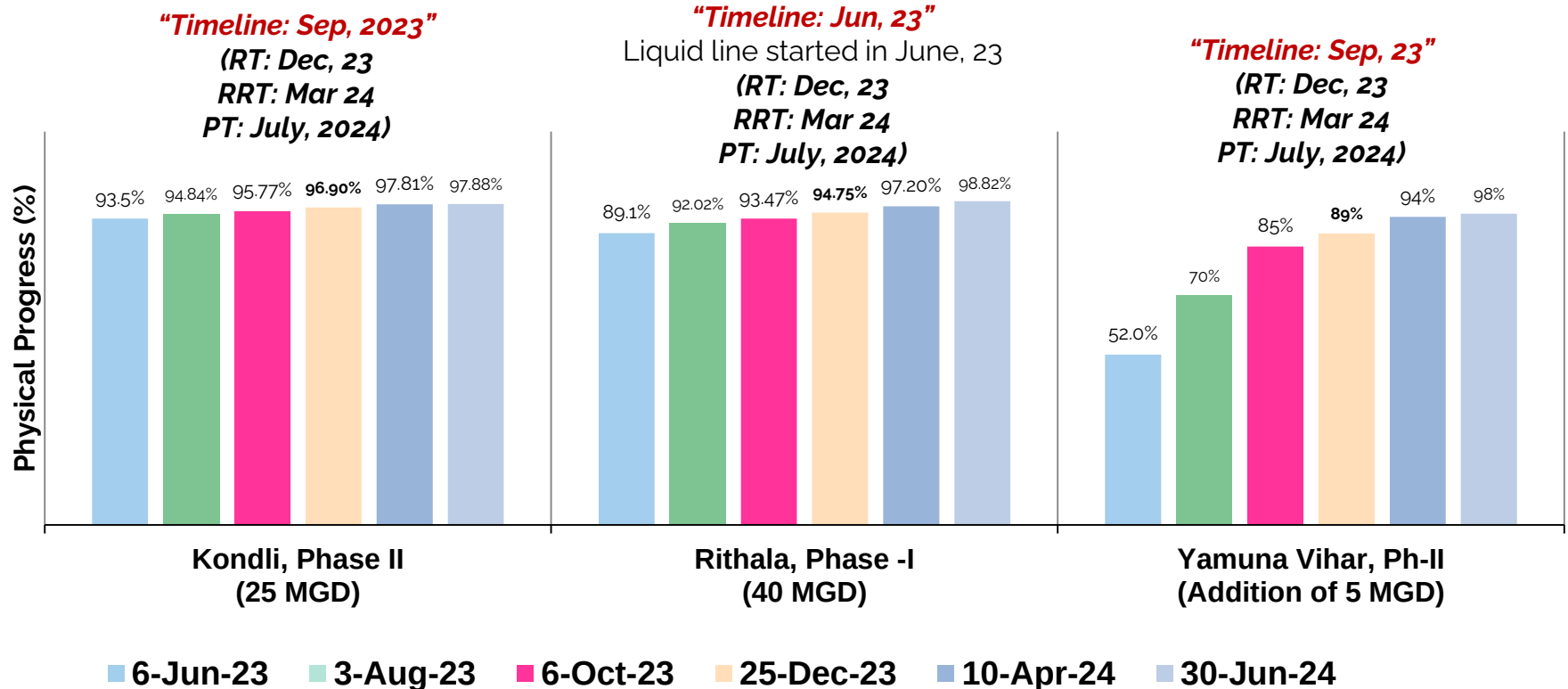
02 DSTP

S. No.	District	Village	Present Status
1	South west	Maidan Garhi (DSTP)	Land is yet to be allotted by DDA (GNCTD has verified TSS on 22.09.2023)
2	North	Nayabans (DSTP)	Land is yet to be allotted by DDA (GNCTD has verified TSS on 22.09.2023)

1.3 Progress in Rehabilitation of existing 3 STPs

Order
Para No.
3.1.3

Capacity Addition: 70 MGD



1.4 Upgradation of Existing 18 STPs

Capacity Addition: 123.5 MGD

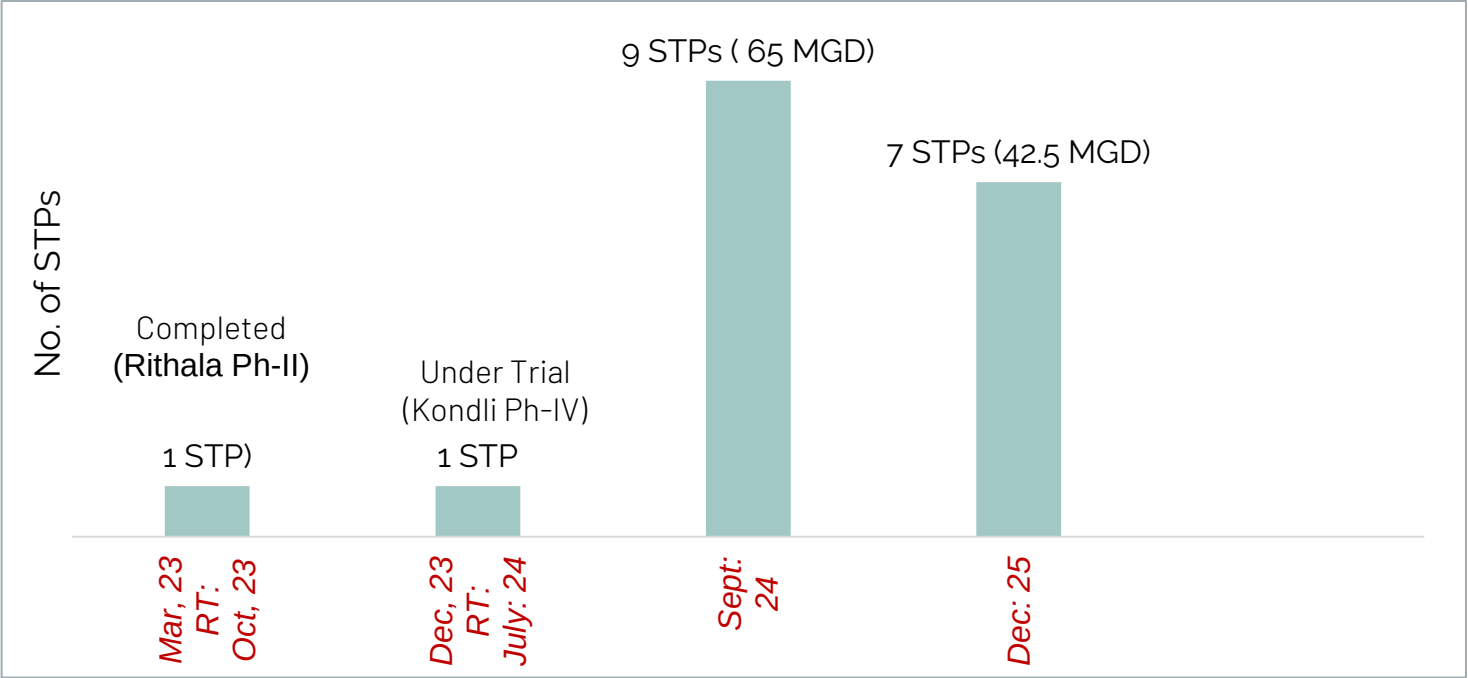
Decision Taken in 9th HLC:

"7.1.9.3 Chief Secretary also directed CEO, DJB to expedite the work of upgradation of remaining STPs without repeatedly extending timelines.

7.1.9.4 Chief Secretary, GNCTD enquired about per MGD cost of operation and maintenance of STPs and directed DJB to workout and submit details on this matter with help of an expert committee."

1.4 Upgradation of Existing 18 STPs

Capacity Addition: 107.5 MGD
"Timeline for completion - Jun, 2024"
RRT: Dec, 2024
PT: Dec, 2025



1.4 Upgradation of Existing 18 STPs

O.A. No.
06/2012

(Nizamuddin West Association Vs UoI)

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 th Feb, 23	Status	Timelines
1.	Rithala Phase -II	40	40	100% (Completed)	100% Completed in Oct,23	"Mar, 2023"
2.	Kondli Phase-IV	45	45	84%	97.90 % Under trial run	"Oct, 2023" RT: Dec, 23 RRT: Feb 24 Now July, 2024

1.4. Upgradation of Existing 18 STPs

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 th Feb, 24	Status	Timelines
3	Pappan Kalan Phase - I	20	30	37 %	43%	"Dec: 2023" RT: Mar 24 PT: Sept, 2024" (Half Stream of STPs at Sr. No. 5 to 11 commissioned)
4	Nilothi Phase -I	40	60	37 %	43%	
5	Najafgarh	5	5	50%	69%	
6	Keshopur Phase -II	20	20	50%	69%	
7	Keshopur Phase-III	40	60	50%	69%	
8	Rohini Sector 25	15	25	44%	70%	
9	Narela	10	15	44%	70%	
10	Coronation Pillar Phase -I & II	20	20	44%	70%	
11	Coronation Pillar Phase -III	10	10	44%	70%	

1.4. Upgradation of Existing 18 STPs

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 th Feb, 24	Status as on 27 th June, 24	Timelines
12	Okhla Phase- V	16	16	Due to financial crunch upgradation of STPs deferred. However, effluent of these STPs is finally being discharged into Barapullah drain that is being tapped into Okhla STP. Moreover, effluent of these STPs is going to be utilized in nearby farm-houses, golf course etc.	Estimate under approval for A/A & E/S.	"Jan, 24" <i>RT: Dec 24</i> <i>PT: Dec, 25</i>
13	Mehrauli	5	7.5			"Jan, 24" <i>RT: Dec 24</i> <i>PT: Mar , 25</i>
14	Ghitorni	5	7.5			
15	Vasant Kunj	5	7.5			

1.4. Upgradation of Existing 18 STPs

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 th Feb, 24	Status	Timelines
16	Yamuna Vihar Phase – I	10	15	4th consecutive call of tender has been done, in recent competent authority has been decided to discharge previous tender and re-invite it with open technology. Tender is yet to be invited.	Estimate is in process for A/A & E/S	June, 2024 , (RT: Dec, 2024) RRT: Mar, 25 Now, Dec., 25
17.	Keshopur Phase- I	12	18		File sent to competent authority to be consider reinviting of tender. Estimate is in process for A/A & E/S	June, 2024 RT: Dec, 2024 PT: Dec, 2025
18.	Yamuna Vihar Phase – III	25	55	File has been sent to competent authority for approval of Estimate.	File sent for A/A & E/S.	June, 2024 , (RT: Dec, 2024) RRT: Mar, 25 PT:Dec., 25

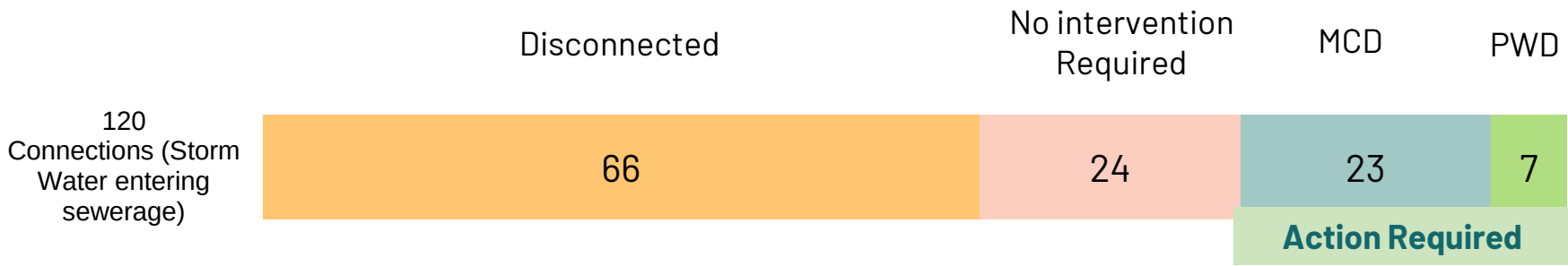
1.5. Desilting (Trunk/peripheral Sewer : Approx 200 Km)

S.No.	Particulars	Total length (Km)	Cumulative Length Desilted as on 10.02.24 (Km)	Cumulative Length Desilted (Km)	Timelines
1.	Desilting of 90.34 Km	94.93	66.428 (70.4%)		June 23
a	Yamuna Vihar STP	7.65	7.5	7.65	Completed
b	Rithala-Rohini STP	19.21	17.05	19.21	
c	Narela STP & Coronation Pillar STP	8.05	8.026	8.05	
d	Keshopur STP	2.84	2.84	2.84	
e	Nilothi STP	4.61	1.34	1.28	RT: Dec,23 RRT Jun 24 Now, Dec., 2024
f	Kondli STP in east zone	8.76	3.65	8.76	RT: Dec,23 RRT Feb 24 Completed
g	Dwarka STP	27.10	13.71	22.16	RT: Dec,23 RRT Mar 24 Now, Dec., 2024
h	Okhla STP	11.51	9.5	11.51	Completed
i	Desilting of gravity duct no. 1	5.20	5.2	5.2	Completed
	Total	94.93	68.82 (72.5%)	86.66 (89.94%)	
2.	Desilting of remaining 110 Km	110 (RL 45 km)	Estimates are being checked		“RT Jun, 24” Now: Dec, 24

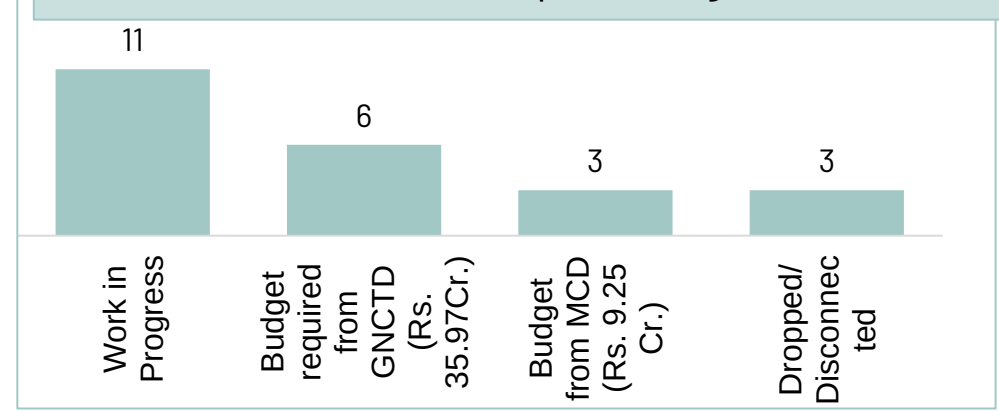
1.5. Desilting of sewer line below 1000 mm Dia (Approx 442.63 Km)

S. No	Particulars	Total length (Km)	Cumulative Length Desilted as on 03.08.23 (Km)	Cumulative Length Desilted as on 25.12.2023 (Km)	Cumulative Length Desilted as on Feb 24 (Km)	Cumulative Length Desilted (Km)	Timeline s
3.	Desilting of Sewerlines (below 1000 mm Dia)	Earlier: 442.63 Now: 529.5	94.4 (17.8%)	162.25 (36.66%)	247.65 (56%)	367.00 (69.38%)	June 24 PT: Dec., 2024

4. Interconnection of storm water drains with sewerage network and vice versa

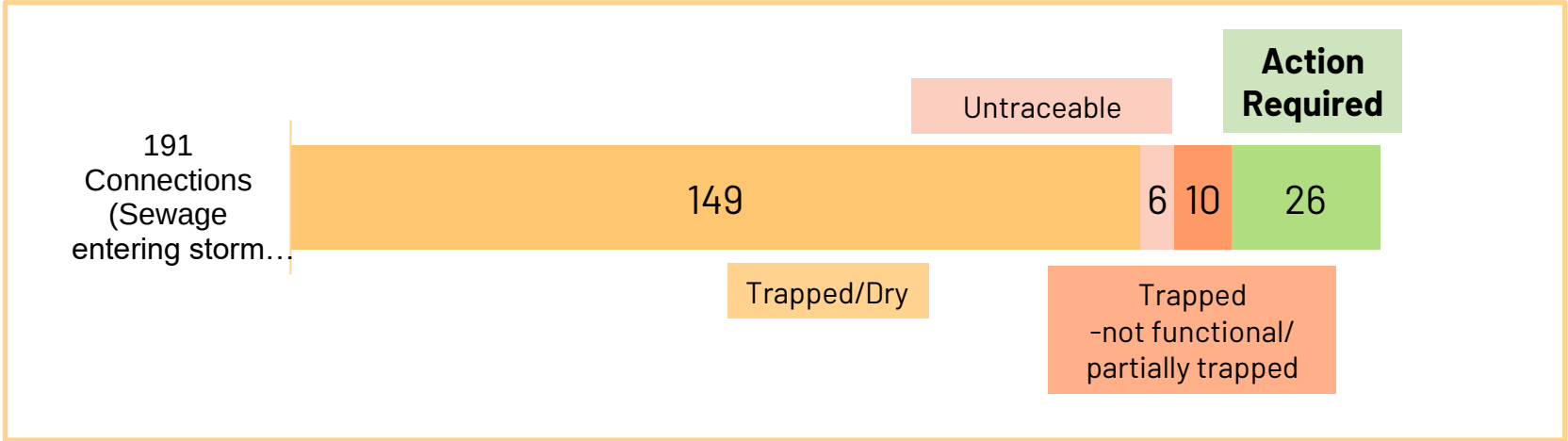


Status of 23 drains pertaining to MCD



- Disconnected - 4
- Sewage from Prem Nagar (DJB) - 1
- Sewage from adjacent properties (Malviya Nagar, Adhchini) at multiple locations - 2

4. Interconnection of storm water drains with sewerage network and vice versa



DJB prepared a fresh list of interconnections (IDMC meeting)
Joint inspection to be done for verification

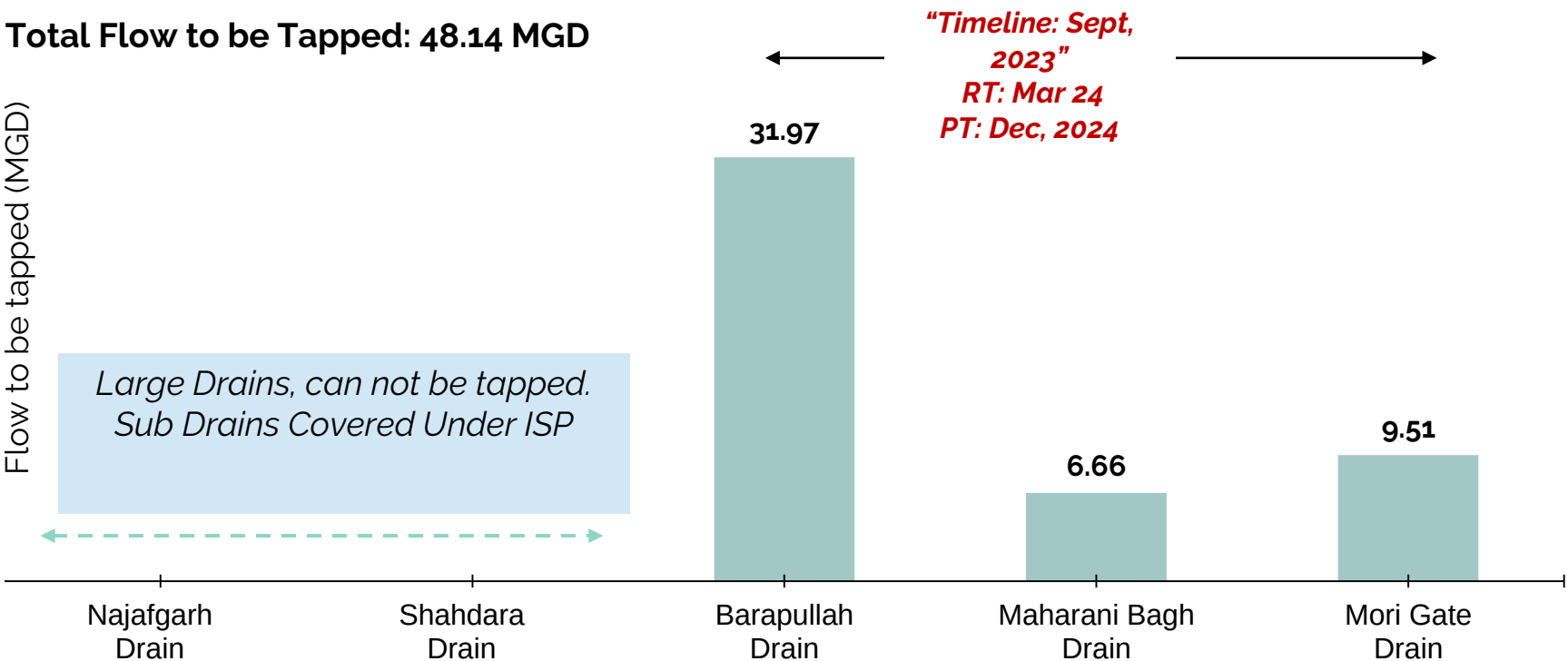
22 Drains out falling into river Yamuna in Delhi

- **02** Drains [Najafgarh (including Supplementary Drain) & Shahdara] being large drains & technically not feasible to tap whole drain (included in Interceptor Sewer Project where substantial flow of sub-drains has been / will be tapped)
- **09** Drains Tapped
- **02** Drains (Delhi Gate Drain & Sen Nursing Home Drain) Partially Tapped.
- **09** drains flow yet to be tapped / diverted to Sewer / STPs for treatment

2. Tapping of all Drains

Tapping of Drains (Remaining 3 untapped major drains)

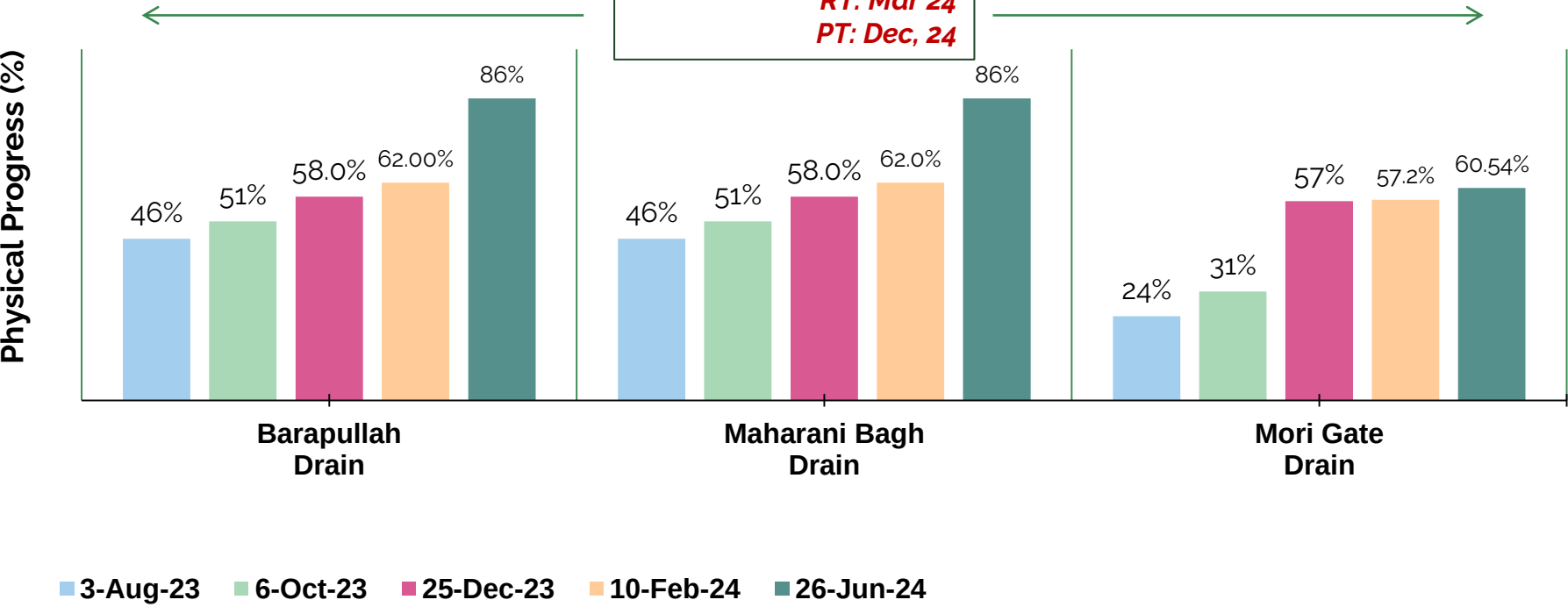
Total Flow to be Tapped: 48.14 MGD



2. Tapping of all Drains

Tapping 3 untapped major drains : Total Flow to be Tapped: 48.14 MGD

"Timeline: Sept, 2023"
RT: Mar 24
PT: Dec, 24



2. Tapping of all Drains {9 + 2 drains flow to be tapped}

S. No.	Drain Owning Agency	Name of Drain	Flow in MGD (As per DJB)	pH (5.5-9)	TSS (100 mg/l)	COD (250 mg/l)	BOD (30mg/l)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated /proposed to be treated
1	MCD	Abul Fazal	-	7.2	102	256	65		Sewage to be tapped after completion of Batla House Sewerage scheme & to be treated at Okhla STP . RT: Mar 24 PT; Dec., 24
2		Sen Nursing Home	9.51	7.2	120	212	60	Partially Tapped.	Overflow / Untapped waste water will be treated at Okhla STP after tapping into Ring Road Trunk Sewer. Timeline :June, 2024 RRT: Dec 24 PT : June, 25
3		Delhi Gate Drain/ Power House	16.55	7.9	112	292	60	Partially Tapped	STP of 10 MGD is proposed for treatment of remaining untapped waste water. Land to be allotted by MoHUA /DDA Timeline: Dec,2025

2. Tapping of all Drains {9 + 2 drains flow to be tapped}

S. No.	Drain Owning Agency	Name of Drain	Flow in MGD (As per DJB)	pH (5.5-9)	TSS (100 mg/l)	COD (250 mg/l)	BOD (30mg /l)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated /proposed to be treated
4	MCD	ISBT Drain (Qudsia Bagh/ Mori Gate Drain)	9.51	6.8	82	244	40	To be tapped	Proposed to be treated at Coronation Pillar STP of 70 MGD. SPS is being constructed at Kashmere Gate RT- Dec-2024 (Earlier TLs: Sep., 23 & Mar 24)
5		Sonia Vihar (On Eastern Bank of Yamuna)	-	Sample could not taken due to slippery area caused by rain				To be tapped	Proposed to be treated at New STP of 7 MGD. Capacity at Sonia Vihar. RT-: Mar 24, PT: Sept., 2024
6		Kailash Nagar (On Eastern Bank of Yamuna)	-	No Flow				To be tapped	DJB has requested MCD to stop unchecked waste water being pumped in this drain. Timeline- Dec, 2025

2. Tapping of all Drains {9 + 2 drains flow to be tapped}

S. No.	Drain Owning Agency	Name of Drain	Flow in MGD (As per DJB)	pH (5.5-9)	TSS (100 mg/l)	COD (250 mg/l)	BOD (30mg/l)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated /proposed to be treated
7	MCD	Shastri Park (On Eastern Bank of Yamuna)	-	7.8	65	172	35	To be tapped	Partially tapped by DJB, Finally going into Buland Masjid SPS. Balance flow of storm water Pump House will be tapped by MCD. Timeline- Dec, 2025
8		Maharani Bagh	6.66	7.4	91	216	52	To be tapped	Tapping of 09-10 MLD flow in C.V. Raman Marg Trunk sewer completed. Balance flow (20 MLD) to be tapped after completion of Batla House Sewerage scheme & to be treated at Okhla STP . RT- Dec-2024 (Earlier Timelines: Sep., 23, May 24)
9		Barapulla Drain	31.97	7.30	97	224	39	To be tapped	

2. Tapping of all Drains {9 + 2 drains flow to be tapped}

O.A. No.
06/2012

S. No.	Drain Owning Agency	Name of Drain	Flow in MGD (As per DJB)	pH (5.5-9)	TSS (100 mg/l)	COD (250 mg/l)	BOD (30 mg/l)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated / proposed to be treated
10	MCD	Jaitpur/ (Khadar Kalindi Kunj road)	-	7.7	103	204	55	To be tapped	Sewage to be tapped after completion of Madanpur Khadar GOC scheme & to be treated at Okhla STP . <i>Timeline: Jun 25, PT: Dec, 2025</i>
11		Tuglakabad (Kalka Ji Drain merged in this drain)	5.51	7.8	78	144	52	Tapped	Okhla STPs (170 MGD Total Capacity) Under construction for achieving BOD/TSS : 10/10 mg/l.

2. Tapping of all Drains {9 + 2 drains flow to be tapped}

S. No.	Drain Owning Agency	Name of Drain	Flow in MGD (As per DJB)	pH (5.5-9)	TSS (100 mg/l)	COD (250 mg/l)	BOD (30 mg/l)	Status of Drain (Tapped / Partially Tapped / Untapped)	STP in which tapped waste water is treated /proposed to be treated
12	IFCD	Najafgarh	452.9	6.9	132	140	45	Being a large drain not feasible to tap (Covered under Inter Septer Sewer Project).	252 MGD comprises of treated effluent from STPs. Untreated discharge of 105 MGD through Badshahpur and DD-6 drains from Haryana.
13		Shahdara	104.66	7.3	101	272	80		50 MGD is untreated sewage from UP through Shahibabad, Indirapuri and Banthala drains. Remaining 2 Subdrains will be tapped by RT-Dec., 2024

2.1. Performance of completely tapped 11 major drains and all sub-drains

Order
Para No.
3.2.3

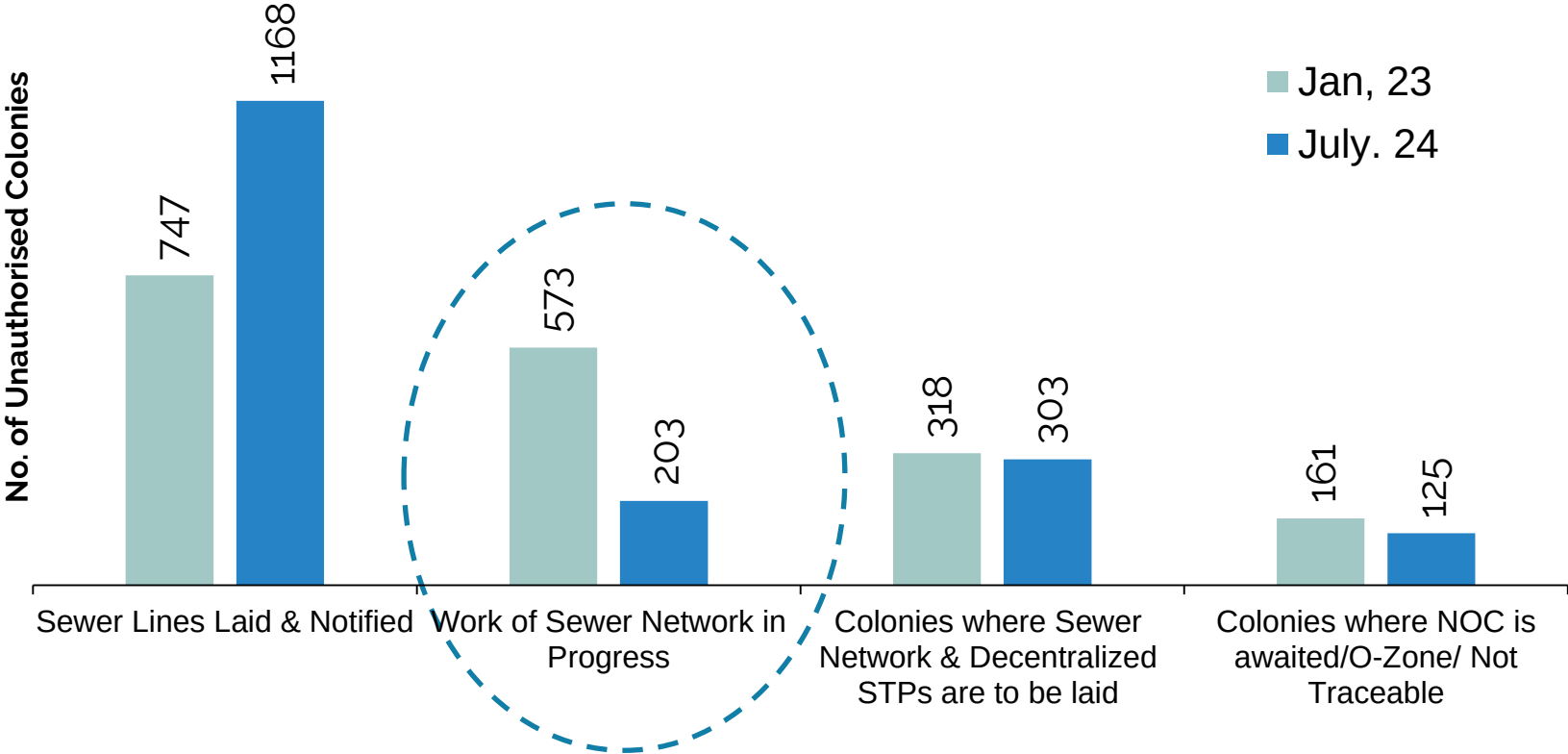
Direction	Timeline	Status
<i>The committee reiterated that the audit should be completed within the revised Timeline of March,2024</i> <i>(Timeline in Action Plan was February, 2023)</i>	RT: March, 2024	• M/s WAPCOS has submitted the phase-I (without discharge and water quality). • Phase-2 (with discharge and water quality) work has been started but held up due to monsoon season. • It will be completed by December, 2024

2.1. Performance of completely tapped 11 major drains and all sub-drains

Order
Para No.
3.2.3

Direction	ATR
<i>Performance Audit of such un-tapped drains and partially tapped drains shall be conducted prior to next meeting of HLC after tapping these sub-drains, so that no leakages of sewerage took place in such sub-drains</i>	Will be completed after monsoon.

3.1 Sewerage Network in unauthorized colonies (1799)

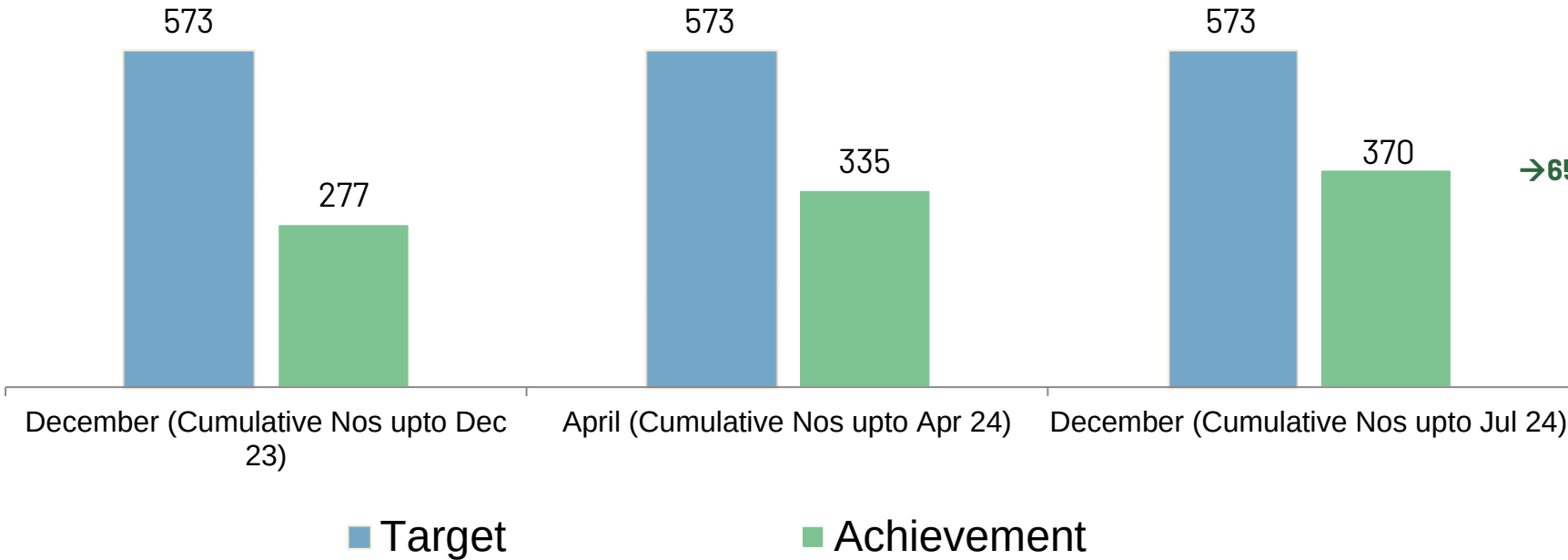


3.1.1 Status of Sewerage Networks in Progress

573 Colonies where laying Sewer Network in progress

Cumulative Physical Progress of 573 Colonies
(Completed- 335, In progress- 238)

“Timeline: December, 24”

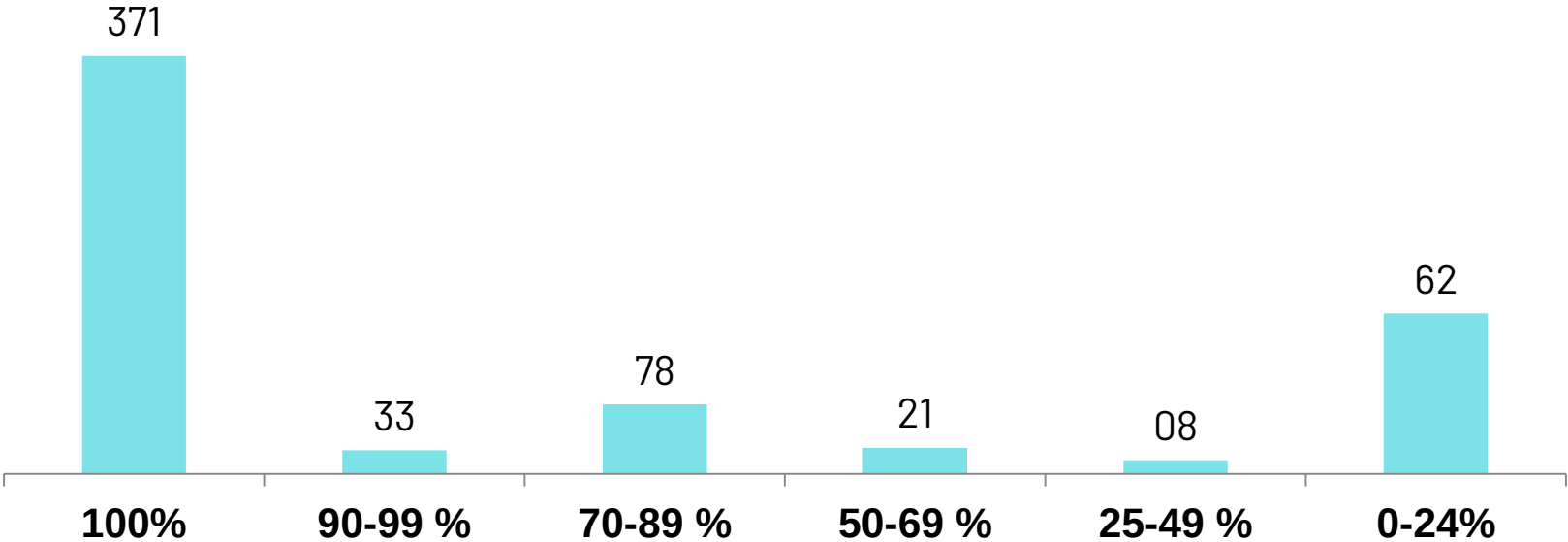


3.1.1 Status of Sewerage Networks in Progress

573 Colonies where laying Sewer Network in progress

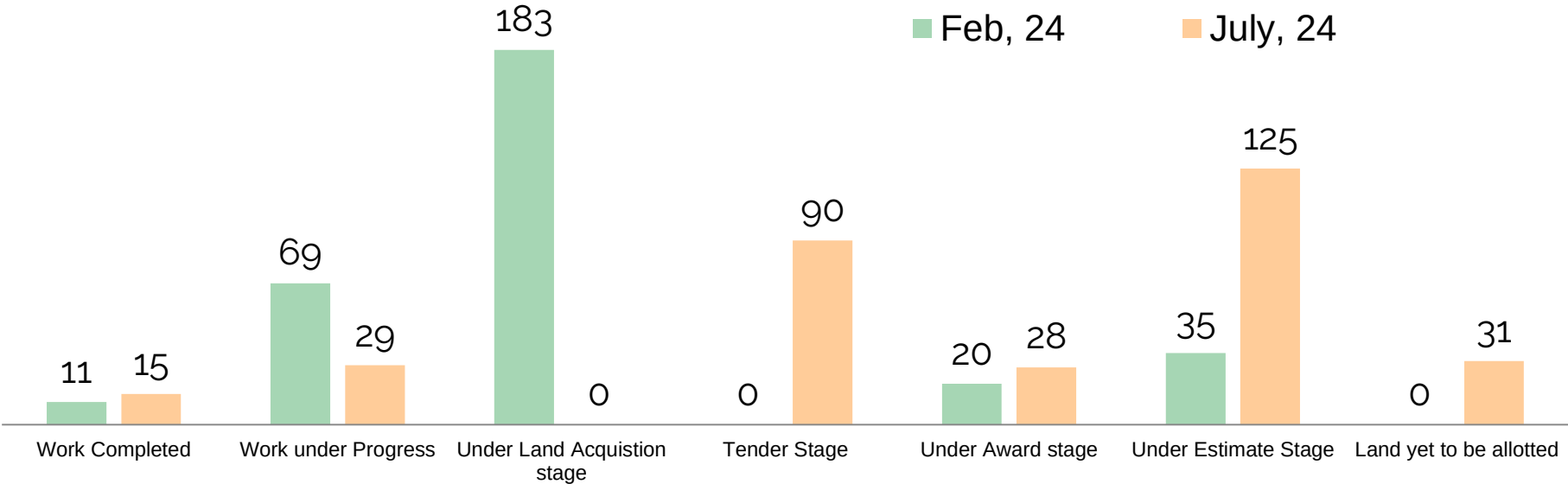
Physical Progress of 573 Colonies

"Timeline: Dec., 24"



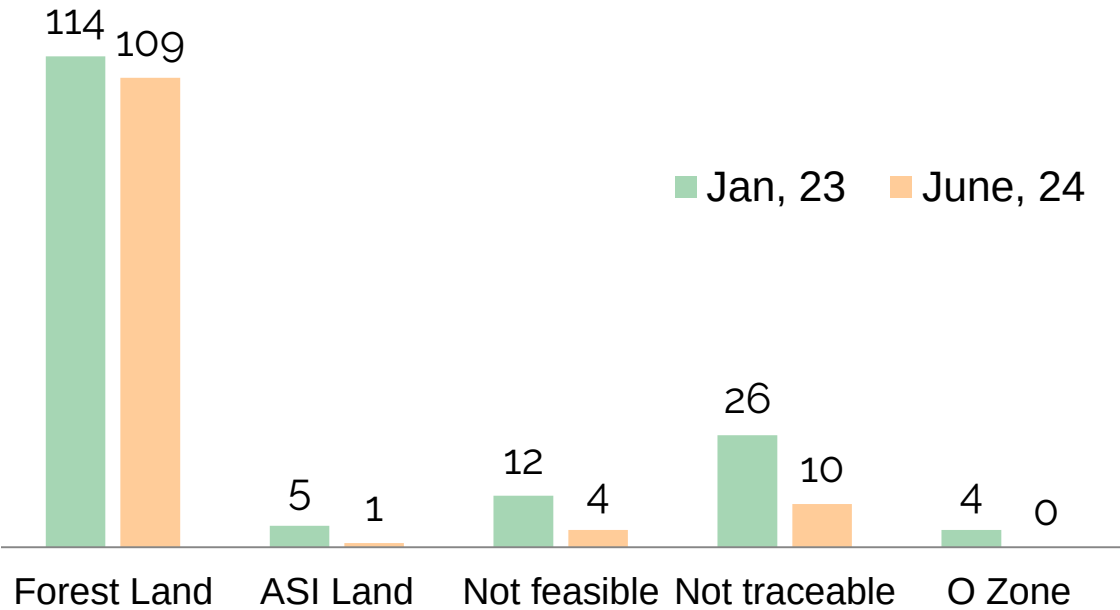
3.2 Status of Sewerage Networks sewerage network is to be laid along with Decentralized STPs

318 Colonies where sewerage network is to be laid along with Decentralized STPs



3.3 Status of Sewerage Networks sewerage network - where NOC is
awaited/O-Zone

161 colonies where NOC is awaited/O-Zone

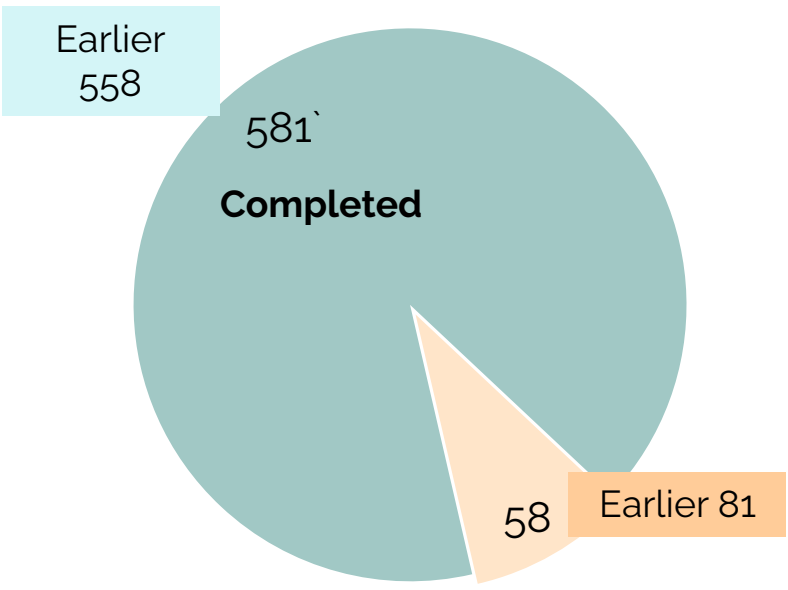


“Timeline for 161 Colonies where NOC is awaited / O Zone : 12 months after receipt of NOC but not later than June, 2024”

3.4 Connection of Drains/ Drainage system of JJ Clusters (639 Nos) with sewerage network.

Order
Para No.
3.3.2

Total JJC's : 639



Remaining 58 JJC's

3.iv.Connection of Drains/ Drainage system of JJ Clusters (639 Nos) with sewerage network.

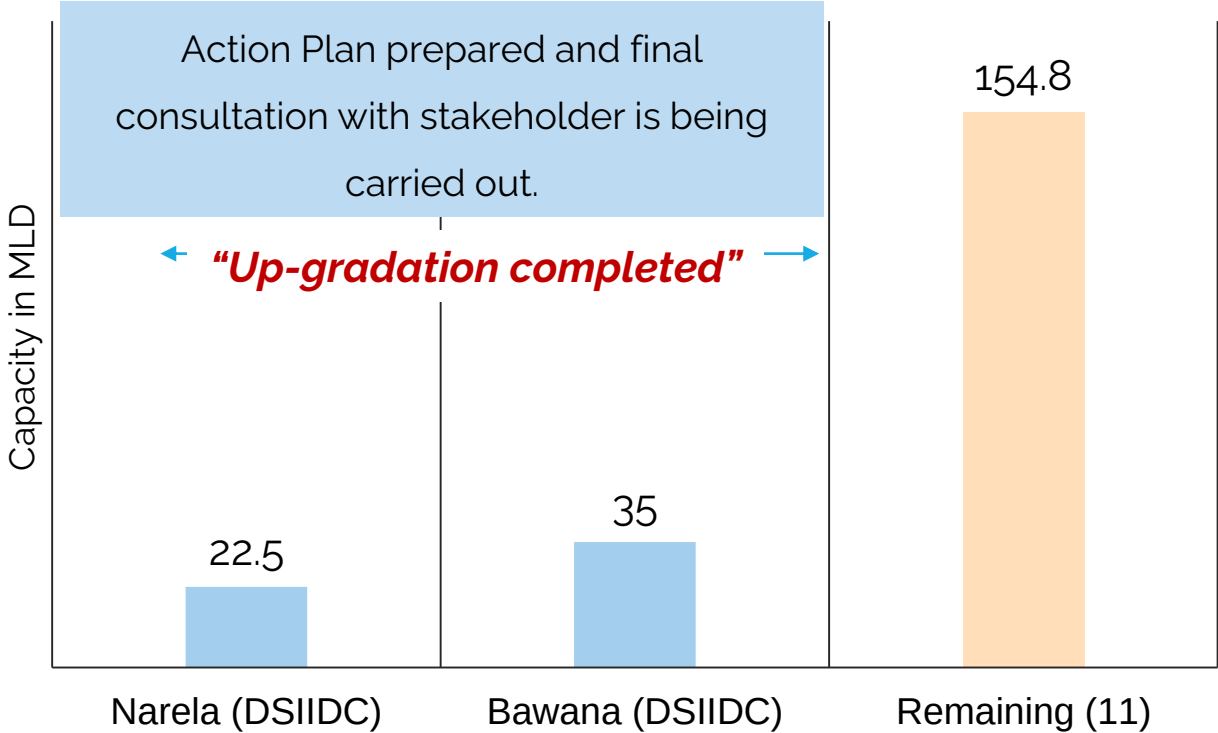
Order
Para No.
3.3.2

Progress in 58 non –feasible JJ Clusters

S.No	Status	No. of JJ Clusters
1	Drains to be tapped in sewer line (work in progress)	12
2	Drains will be tapped after commission of proposed sewer. network in nearby U/A col.	14
3	Drains which can be tapped in to sewerage network by installing lift station	5
4	Feasible sites approved by NMCG for which demand has been raised for funds from NMCG	15
5	Tapped in STP through major storm water drain/tapping work are in progress	8
6	Not feasible due to space constraints and multiple outfalls etc.	3
7	Site does not exist	1
	Total	58

4. Industrial effluent management

Upgradation of CETPs with Timelines



GNCTD vide notification dated 01.01.2024 gave powers of 11 CETPs presently being operated and maintained by CETPs Societies to DJB. However said Notification has been quashed by High Court.

Rest 2 CETPs at Narela and Bawana are to be operated and maintained by DSIIDC

4. Industrial effluent management

Upgradation of CETPs with Timelines

Decision Taken in 9th HLC:

"7.5.4 Chief Secretary, GNCTD asked CEO, DJB about the Legal opinion obtained to challenge the decision in higher bench and directed Industries Department to examine matter legally and take suitable action immediately.

7.5.5 Chief Secretary, GNCTD reiterated that CEO DJB shall submit the updated Status of remaining CETPs from CETPS Societies by next HLC meeting."

4.1. Action against Dyeing units

Action taken against Dyeing units in non-conforming areas of Delhi by Joint Team consisting of MCD, DPCC, Revenue Dept., Power Companies, DJB (28.04.2023 to 15.07.2024)

- Chairman, DPCC issued direction on 22.06.2023 to Local Bodies, DDA, DJB & Discoms (BSES/ NDPL) for closure / sealing & disconnection of Electricity and Water Supply of all Dyeing units and Jeans / Denim washing units operating outside Approved Industrial Areas / Industrial Estates / Redevelopment Areas
- DISCOMS directed on 22.06.2023 to disconnect all connections to illegal units in NC areas.
- Total No. of Dyeing units inspected : **340**
- Close down/Sealed/ Disconnection of electricity : **144**
- MCD on 08.07.2024, constituted teams consisting of MCD, SDM (Revenue), DPCC, BSES, Delhi Police and DJB in Nangloi Jat Assembly Constituency, Kirari Assembly Constituency and Meethapur & Badarpur Areas for sealing of all illegal indl. units including jeans dyeing units on spot in non-conforming areas.

5. Septage Management (O.A No. 365 of 2021 Shamsher Singh Vs GNCTD Last NGT Order Dated 18.04.2024)

CS personally appeared on 02.02.24

18.04.2024 direction:

In report which has been filed by GNCTD, following issues requires fresh filing:

- 1. Illegal discharge of Raw sewage by tankers in drains**
- 2. Full proof in built system for prohibition of illegal discharge**
- 3. Centralised monitoring system**
- 4. GPS enabled vehicles for collection for septage**
- 5. Rationalising numbers of tankers**
- 6. Cross verification of Qty. of septage**
- 7. Sewerage network in unsewered areas**
- 8. Performance of DSTPs**

Next Date of Hearing is 26.07.2024

DJB to file Report w.r.t said order of Hon'ble NGT .

Other Operative issues

...”4. Adequate measures have not been taken. [Report of Committee of S P Garg and Orders dated 21.12.2022 of Hon’ble NGT in OA No. 365/2021]

1. **Publicity about vendors**
2. **Prescription of fixed rates**
3. **Receipt (Triplicate-consumer, STP, self)**
4. **Display of license numbers on vehicles**
5. **Allotment of Territorial jurisdiction to vendors**
6. **Centralized Monitoring System/ GPS**
7. **Majority of license to HR vehicles- Challaned by DP (Only 10-DL)**
8. **Lack of ground action by DMs and DJB on septage dumping (As per septage regulations).**

5. Septage Management (ATR w.r.t. 9th MoM)

Direction	ATR
1. Allotment of Territorial jurisdiction to vendors	Vendors asked to submit areas in which they are performing. After receipt of locations, same will be uploaded on DJB website for information to public. DJB has taken measures by conducting meetings with owners of existing licensed tractor. Workshops have been conducted with officials of MoHUA, GOI with owners of existing licensed tractors to motivate them for purchasing mechanized vehicles by availing "NAMASTE" scheme for subsidy and low interest rates.
2. Centralized Monitoring System/ GPS	
3. Majority of license to HR vehicles- Challaned by DP (Only 10-DL)	
4. Lack of ground action by DMs and DJB on septage dumping (As per septage regulations).	

5. Septage Management

(ATR w.r.t. 9th MoM)

Direction	ATR
<i>W.r.t. Centralized Monitoring System DJB to explore other possibilities by inviting fresh Bids and find out solution before Next HLC.</i>	DJB monitored movement of these vehicles for six months ending in December 2023. But following discrepancies were observed: - 1. DJB could monitor movement of the tractors only from one location to another. The GPS movement could not mention whether starting or ending location is premises of users or drain or any other area. 2. As <u>no sensor are fitted</u> in the tractors, it could not be ascertained how much septage is lifted from users premises and dispose at designated disposal locations. 3. Many times these tractors do not find business for septage collection and start doing collecting Malba from residents on payment basis but GPS movement cannot identify purpose for which purpose tractors are moving in area.

5. Septage Management

(ATR w.r.t. 9th MoM)

Direction	ATR
<i>DJB shall comply with orders of Hon'ble NGT in OA No 365/2021, including latest order dated 02.02.2024</i>	The proposal for enhanced penalties has been notified by UD Department, GNCTD as "Delhi Water Board Septage Management (Amendment) Regulation, 2024" on 13.03.2024.

5. Septage Management (ATR w.r.t. 9th MoM)

Direction	ATR
<i>UD Department to expedite the issuance of Notification of amendment in Delhi Water Board Septage Management Regulations 2018.</i>	UD Department, GNCTD has issued “Delhi Water Board Septage Management (Amendment) Regulation, 2024” on 13.03.2024 including following amendments in the existing Regulations: (a) Penalty for deposit of septage by unauthorized (unlicensed) entities shall be Rs. 50,000/- plus confiscation of vehicle. (b) Penalty for disposal of Septage at places other than the designated places by authorized licensee shall be Rs. 50,000/- per violation. (c) Penalty on a person who uses the services of unlicensed vendors/vehicles for discharging the septage shall be Rs. 10,000/- per violation. 2. An officer not lower than the rank of Naib Tehsildar in DM offices, JE in DJB/I&FC, Sub Inspector in Delhi Police and Sanitary Inspector in CD shall be competent to impose penalty Installation of GPS System - Each Vehicle used for transportation of septage shall be fitted with GPS device and access rights of the movement data shall be given to the Delhi Jal Board for tracking of such vehicles.

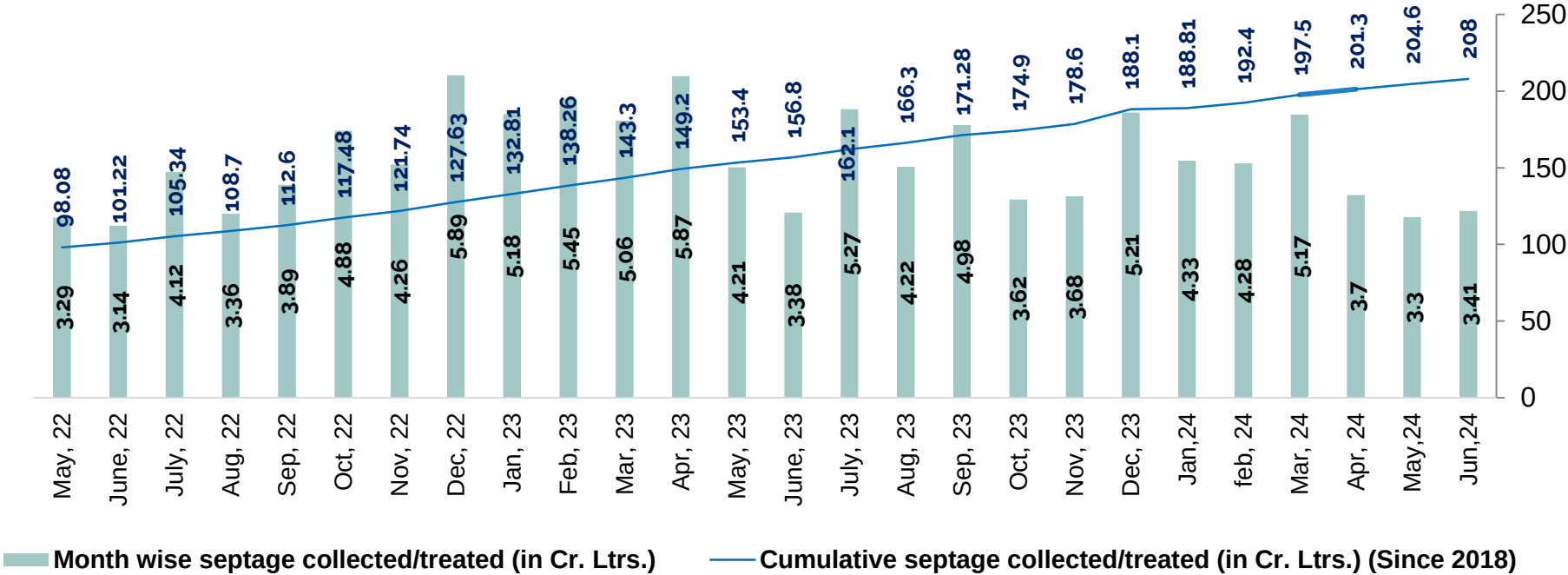
5. iii. Faecal Sludge (Septage) Management

- **Delhi Water Board Septage Management Regulations 2018** dated **12.11.2018** for collection, transportation and disposal of waste of septic tanks (Septage).
- Necessary action to be taken by DJB , District Magistrates & Local Bodies
 - **Septage Management Committees headed by concerned District Magistrates**

Action Taken Report	Cumulative (12.11.2018 – 05.07..2024)
Total No. of Meetings of Septage Management Committees held	153
No. of Vehicles/ Tankers found unauthorizedly discharging septage into Drains etc.	64
No. of Vehicles/ Tankers impounded	63
No. of Challans/notices issued	57
Total Amount of Environmental Compensation Imposed (in Lakhs)	17.19 Lakhs
Total Amount of Environmental Compensation received (in Lakhs)	17.19 Lakhs

5.iv.Faecal Sludge (Septage) Collection & Treatment

208 Cr. Ltrs collected/treated till June, 24



"196 Vehicles to be reduced to by 150 by Apr., 2024", NOW 172

86 Designated SPS for Collection of Septage

6. Status of 10 Projects of DDA (Restoration & Rejuvenation of Flood Plains and Removal of Encroachment)

Order
Para No.
3.6

Decision Taken in 9th HLC:

"7.7.3 DDA shall expedite the projects related to restoration & rejuvenation of flood plains of river Yamuna and is yet to be submit revised timelines of the projects, and thus needs to be expedited.

7.7.4 Action for removal of encroachment from flood plain be taken by DDA on priority basis with the help of concerned District Magistrates, and DDA should ensure protection to flood plains by providing proper fencing at boundary of such flood plains.

Status of 10 Projects of DDA (Restoration of Flood Plains)

S.No	Name of Project	Area (Ha)	Timeline
1	Kalindi Aviral	100	Completed But Currently damaged partly due to NCRTC Works
	Kalindi Aviral Extension	163	31/03/2025 (Baansera Approx. 50 Ha is completed, Rest Area is to be developed)
2	Asita East (Part A) DDA Land	93	Completed
	Asita East (Part B) UP Portion	107	30/09/2024
3	Amrut Bio Diversity (116.5 Ha)		
	Part A	90	30/07/2024
	Part B	18	
	Part C	8.25	Handed Over to CPWD

Status of 10 Projects of DDA (Restoration & Rejuvenation of Flood Plains and Removal of Encroachment)

S.No	Name of Project	Area (Ha)	Timeline
4	Asita West / Yamuna Vatika (Part B)	107	Phase-I works Completed
5	Kalindi Biodiversity Park	115	Within 9 months after completion of NHA1 project
6	Ghat Area (66Ha)		
	Part A: (Qudsia Ghat/ Vasudev Ghat)	16	30/07/2024
	Part B: (Surghat)	13.6	30/06/2025
	Part C: Eco Trail	33	
	Yamuna Bazar	3.4	

Status of 10 Projects of DDA (Restoration & Rejuvenation of Flood Plains and Removal of Encroachment)

S.No	Name of Project	Area (Ha)	Timeline
7	Yamuna Vanasthali:	236.5	Phase-I works Completed
8	Mayur Nature Park	397.75	31/03/2026
	Part A	235	
	Part B	162.75	
9	Hindan Sarovar:	45	30/04/2025
	Part A	15	
	Part B	30	
10	Eco-Tourism area	30	Yet to be Planned
	Part A	22.7	
	Part B	7.3	

Removal of Encroachment from Yamuna Flood Plains

Demolition Drives by DDA from 01.06.2024 to 30.06.2024 in Yamuna Flood Plain Area

Sl. No.	Area/ Locality	Date of Demolition	Structures Removed	Area reclaimed (in acres)
01	Yamuna Flood Plain DDA land near Nigam bodh Ghat (Western bank).	01/06/2024	1. Pucca Structures – 2 Nos. 2. Semi-Pucca Structures – 2 Nos. 3. Religious Structure – 1 No.	0.30
02	Unauthorised religious structures i.e. Baba Shyam & other statue/ Murti at Thokar No. 18 at DDA Land.	06/06/2024	Re-encroachment removal of Temple	NIL
03	Unauthorised religious structures i.e. Prachin Shiv Mandir and Guru Gorakh Nath Dhoona Ashram etc. on the department land at Asita East Thokar no. 13 to 16 (Eastern Bank).	14/06/2024	Temple Cluster	0.57
04	Mayur Nature Park	24/06/2024	Cricket ground	10.0
05	Kalindi Aviral Part A +Part B (Baansera)	25/06/2024	12 Jhuggies	NIL
TOTAL				10.87

7. Utilization of Treated Wastewater

NGT Order Dated 17.10.2023

**O.A. No.
06/2012**

(Nizamuddin West Association Vs Uol)

Decision Taken in 9th HLC:

"7.8.7 Chief Secretary, GNCTD directed DJB to take up this matter separately and prepare detailed Action Plan for utilization of treated STP Water.."

7. Utilization of Treated Wastewater

NGT Order Dated 17.10.2023

O.A. No.
06/2012

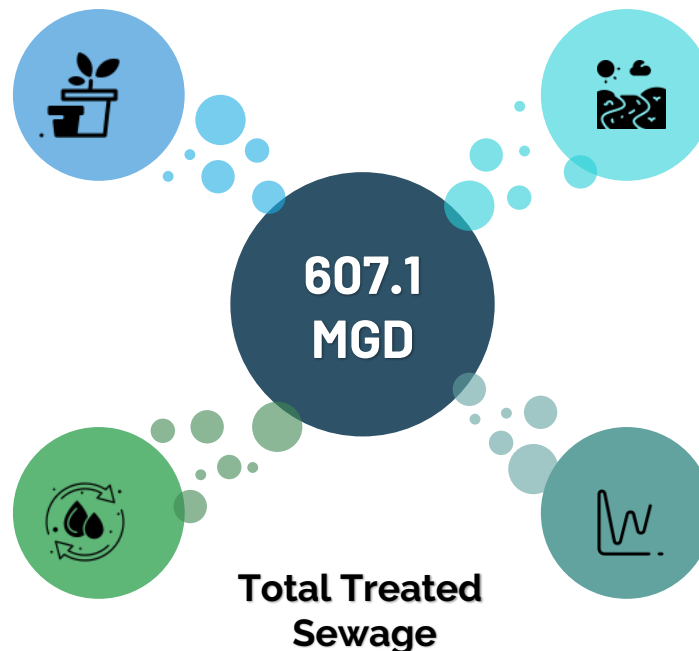
(Nizamuddin West Association Vs Uol)

125 (90+35) MGD

Being used in Horticulture and Lake rejuvenation & Water Bodies etc.

70 MGD + 30 MGD

Proposed : Ground water recharge at DJB Marshy land near coronation pillar, Bhalwasa lake, Jhangirpuri Drain.



267 MGD

Mandatory Return Flow in Yamuna

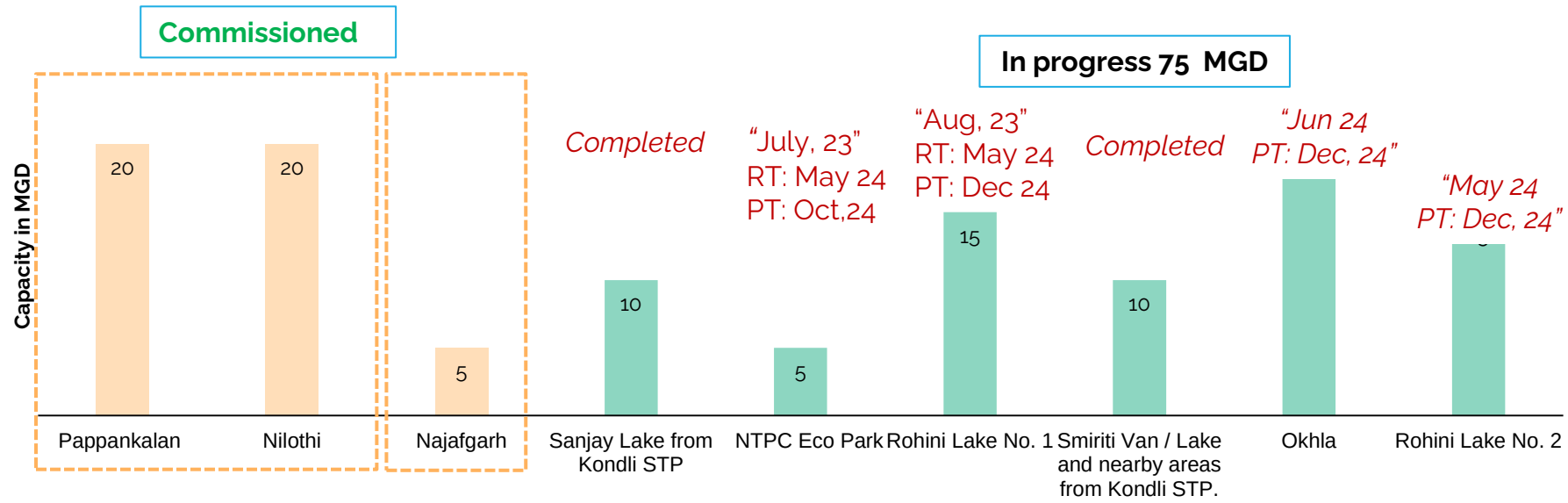
115.1 MGD

Gap

Action Plan for Utilization 75 MGD Treated Wastewater

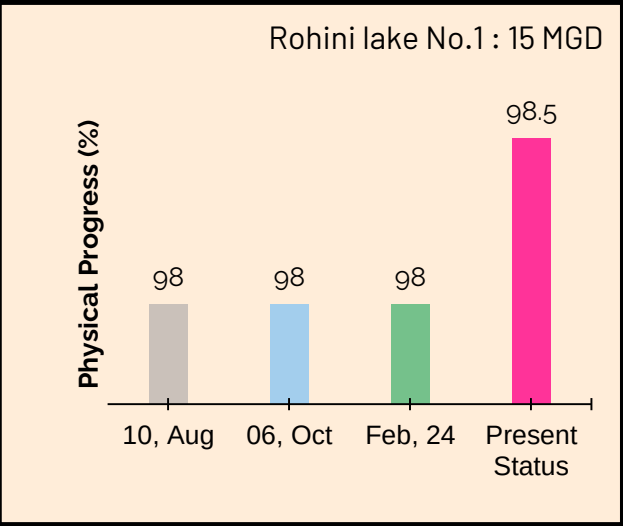
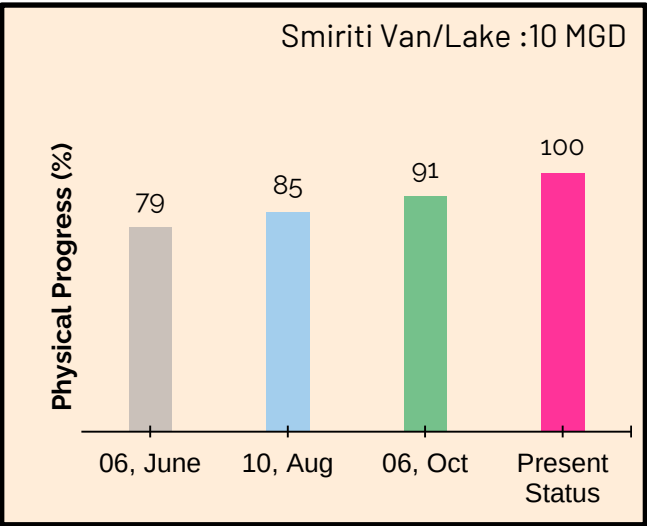
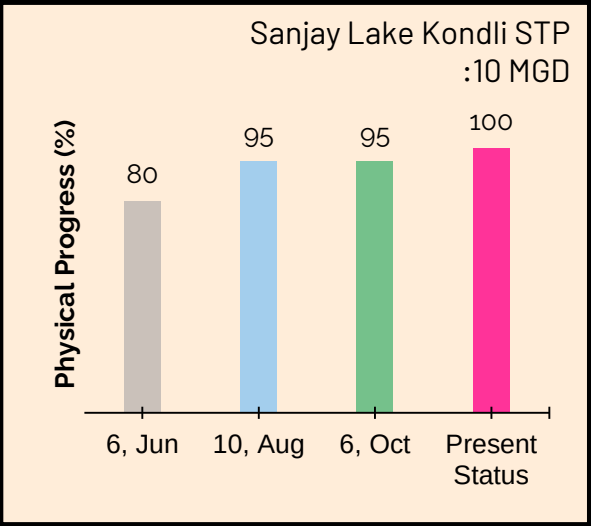
Order
Para No.
3.7

Action Plan for 75 MGD



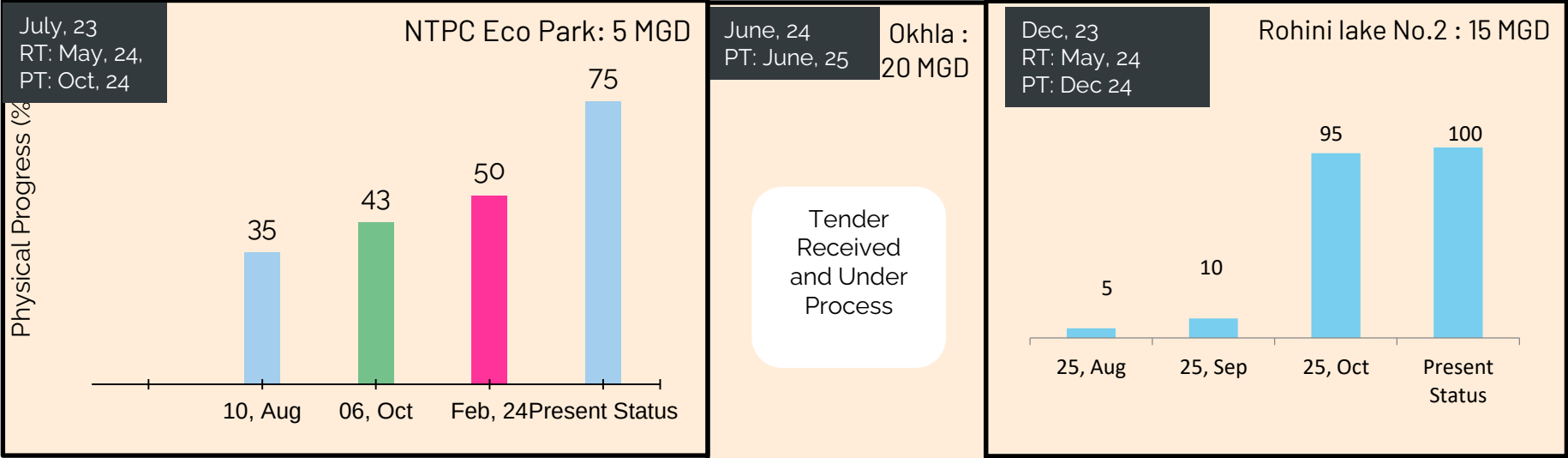
7.1. Action Plan for Utilization 75 MGD Treated Wastewater

Action Plan for 75 MGD



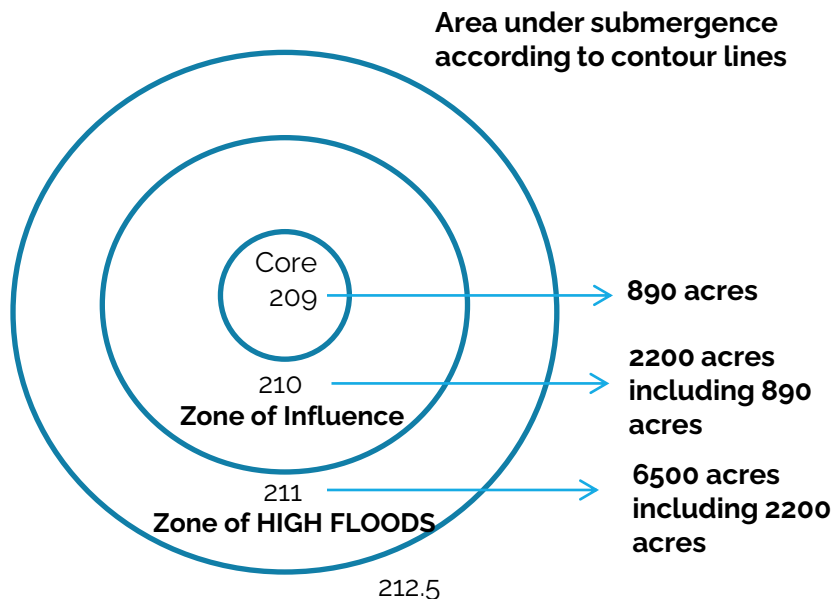
7.1. Action Plan for Utilization 75 MGD Treated Wastewater

Action Plan for 75 MGD



Najafgarh Jheel (Environmental Management Plan)

Action Points



Action points in our EMP classified into three categories and timelines were made regarding respective measure.

- Immediate Measures
- Medium-term measures (within two – three years)
- Long-term measures (within three – five years)

Review meetings conducted with all stakeholders at regular intervals to keep a check on progress made in allocated Action Points.

- Eight meetings have been held so far.

Najafgarh Jheel (Environmental Management Plan)

Review meeting convened on 19.12.2023 under the Chairmanship of Pr. Secretary (E&F). Record of discussions as follows:-

- I. Najafgarh Wetland Committee under DM in its meeting observed that option of land acquisition has large financial implications of 268 crores (Approx.) for 115 acres affected inundation. Further, there will be a threat of encroachment of acquired land if water recedes. Committee unanimously concluded that Jheel area in its current nature be maintained.
- II. The committee's assessment being communicated to Govt. of India being a trans-boundary wetland.

Decision Taken in 4th Meeting

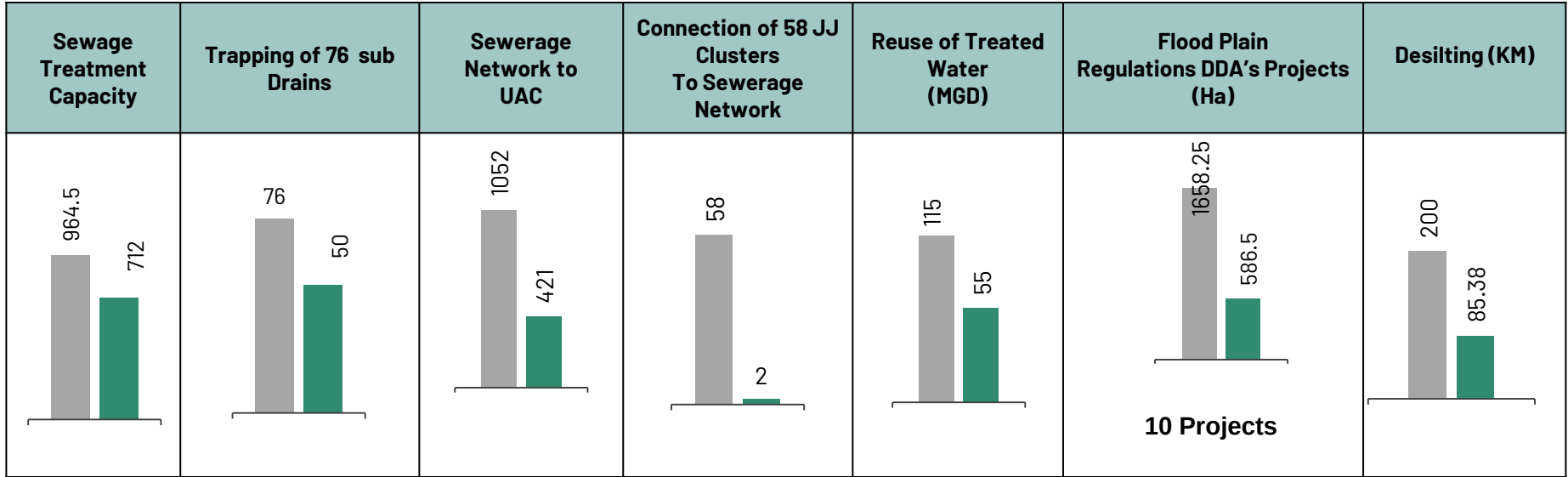
4th MoM

Hon'ble Lt. Governor directed IFCD to explore the solar power generation along Najafgarh Drain by providing pillars on its Banks to install Solar Panels.

- Survey of Najafgarh Drain from Dhansa to Ambrhai done by SECI and I&FC on 01.08.2023.
- Site from Dhansa to Ghummanhera in length of 6 Km under consideration for Installation of solar panel on right bank of Najafgarh Drain.
- SEBI submitted draft preliminary feasibility report to Power Department on 01.12.2023 for comments and finalization.
- Power Deptt. vide letter dated 02.04.2024 requested I&FCD to implement proposed project through RESCO model by SECI & I&FCD and I&FC to sign PPA with SECI.
- I&FCD has no expertise or even basic knowledge of generating solar power, evacuation of power or purchase pricing etc.
- I&FCD as land owning agency, conveyed NOC to Power Deptt.



Summary of progress in projects



Target

Achievement



Way Forward

S.No .	Action Point	Intervention Required
1	Construction of New STPs (addl 37 MGD)	- Okhla (TL: June,23 RT : March, 2024, PT:Sept., 24) - Sonia Vihar (TL: Sep,23 RT : March, 2024 PT:Jul,24)
2	Rehabilitation / Upgradation of 18 Existing STP	Special attention w.r.t. 9 STPs (addition of 65 MGD) with TL Sept, 24
3	Construction of 40 new DSTPs	In case of 24 out of 40 DSTPs , Tenders are being invited / reinvited
4	100% Desilting of Trunk / Peripheral Drain (200KM)	10% Work Remaining (TL : Dec., 24)
5	Desilting of sewer line below 1000 mm Dia (Approx 442.63 Km)	30 % Work Remaining (TL : Dec., 24)
6	Tapping of 3 Major Drains including Barapulla Drain	48.14 MGD to be tapped (TL: Dec, 24)
7	203 Remaining Unauthorized Colonies where Sewer Line is in progress	Expedite process to achieve targets by Dec, 2024

Department of
Environment, GNCTD



Delhi Pollution
Control Committee



Thank you

