



Department of
Environment, GNCTD

Delhi Pollution
Control Committee



4th Meeting of HLC REJUVENATION OF RIVER YAMUNA

To Review Action Plans and Progress

21st Apr, 2023

HLC Meetings



Preparatory Meeting : 14th Jan, 2023

Preliminary Discussions



First Meeting : 20th Jan, 2023

- Directions
- Detailed Action Plan with timelines prepared and Order issued on 27.01.2023 to all stakeholders

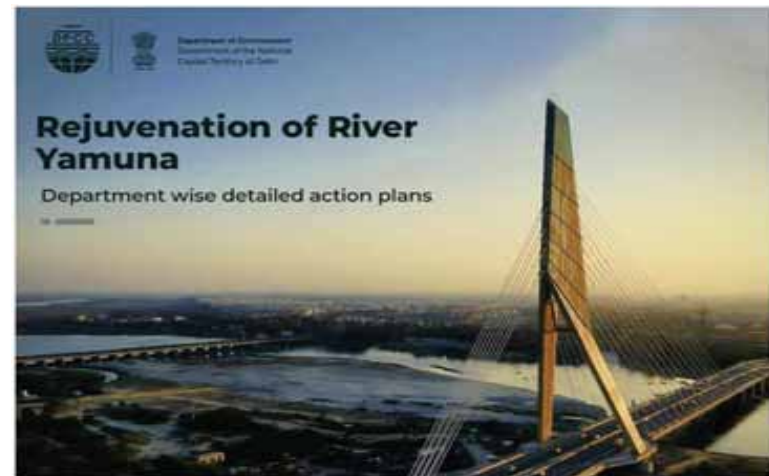
Second Meeting : 14th Feb, 2023

Reviewed progress



Third Meeting : 14th Mar, 2023

Reviewed progress



NGT Case OA No. 21/2023 in matter of “Ashwani Yadav Vs. Govt. of NCT of Delhi”

Directions dated 09.01.23

- *“High Level Committee (HLC) headed by Hon’ble LG, Delhi constituted and CS, Delhi as a convener.*
- *Committee may continue to meet at least once in every week for next six months so as **to achieve tangible results within the said period.***
- Success of committee will be viewed by outcome in terms of reduction of pollution load and thus targets of the Committee should be measurable and identifiable.

Report to be filed by : 30.04.2023 | OA No. 21/23 Disposed Off | Next Date of hearing in matter of OA 06/2012 : 16.05.2023

Improvement of water quality in Yamuna

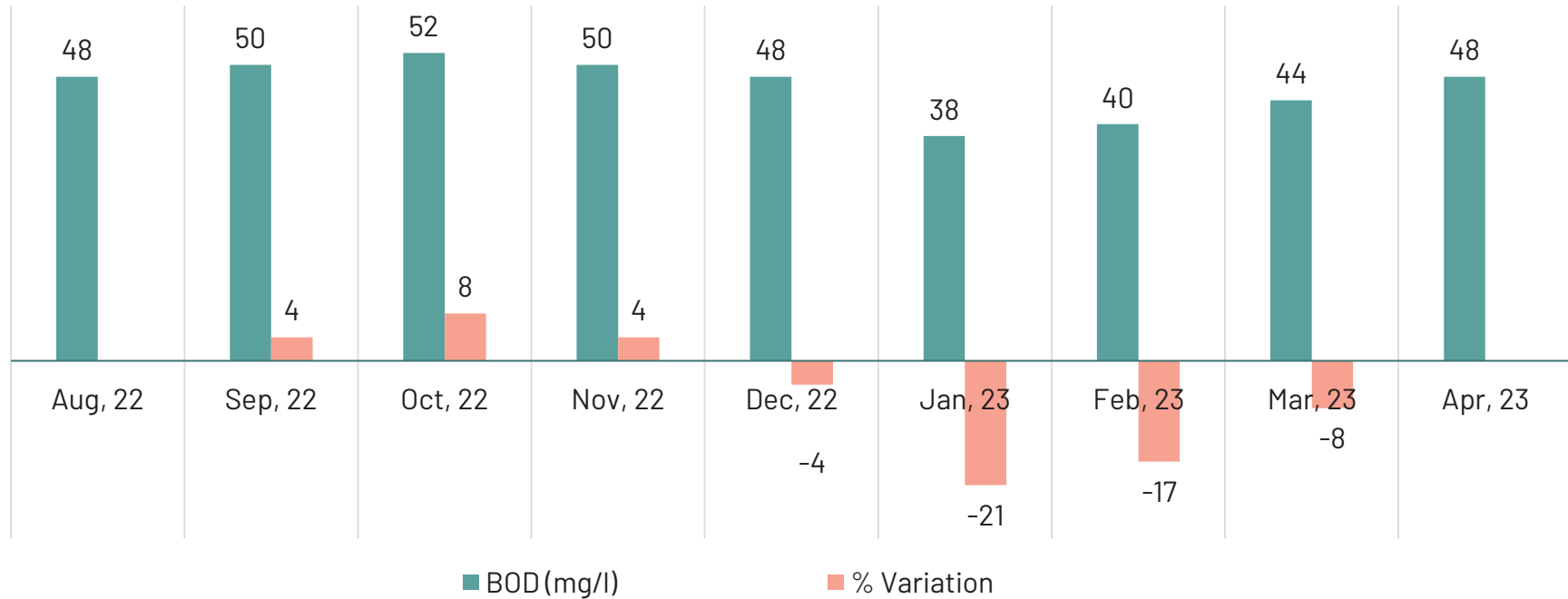
Major Action points

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

Yamuna Water Quality

BOD variation : (Aug, 22 to Apr, 23)

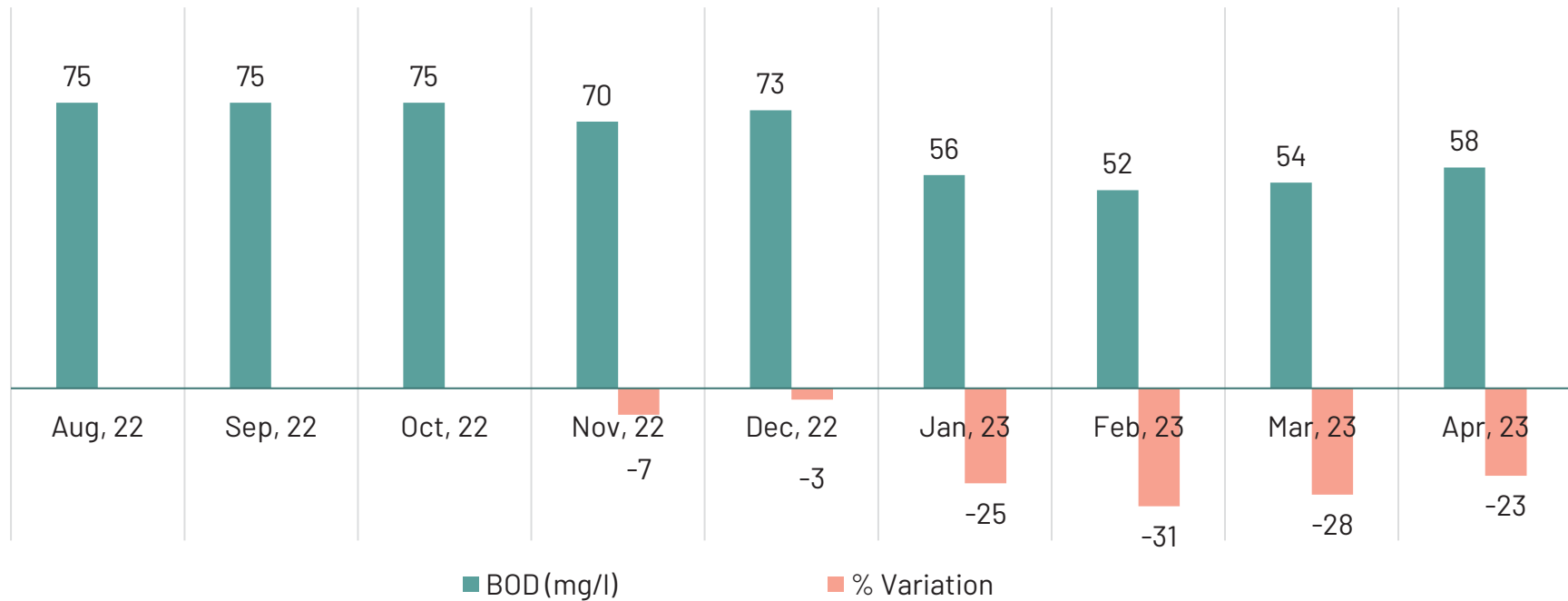
ISBT (After meeting Najafgarh Drain)



Yamuna Water Quality

BOD variation : (Aug, 22 to Apr, 23)

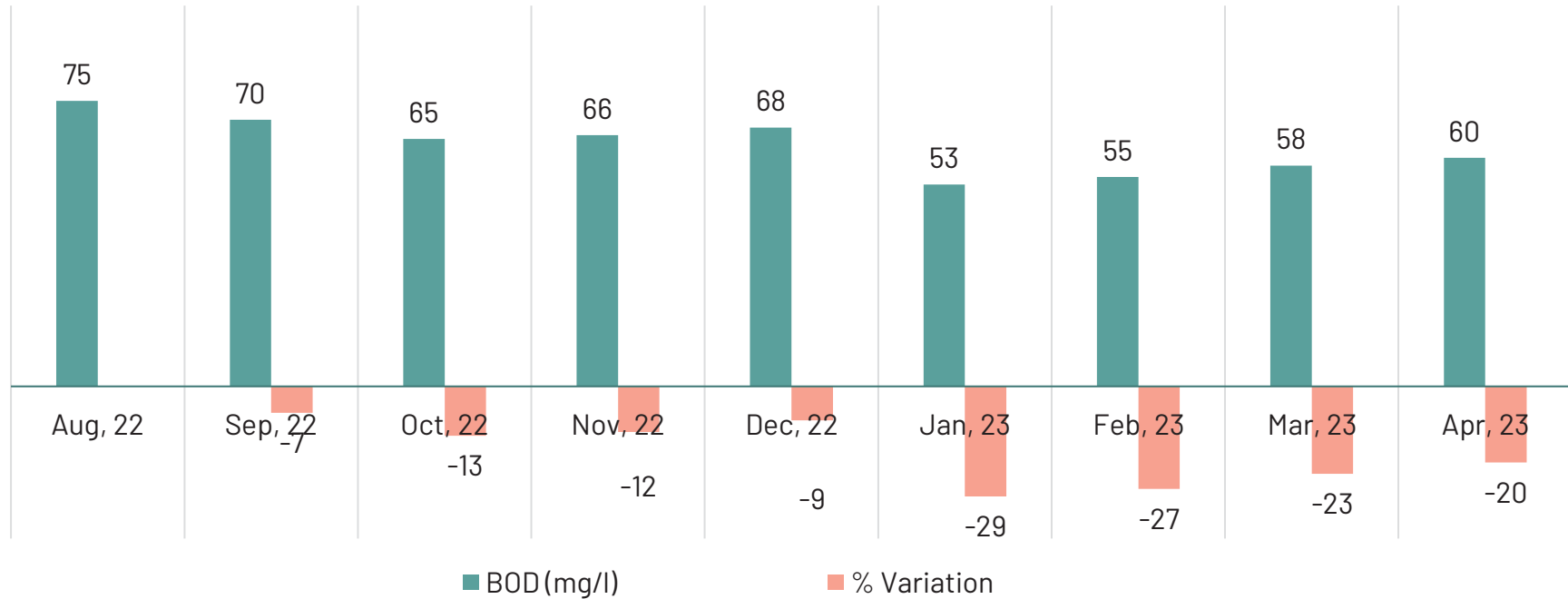
D/s After meeting Shahdara Drain



Yamuna Water Quality

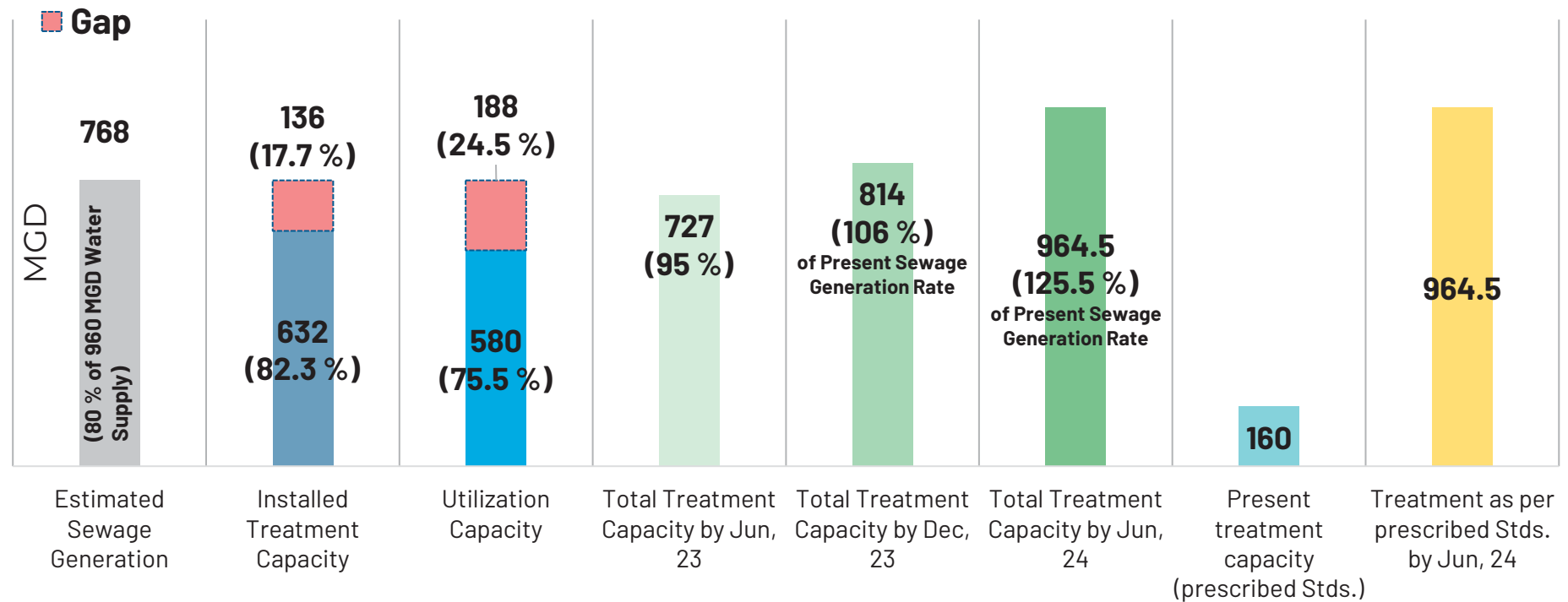
BOD variation : (Aug, 22 to Apr, 23)

Najafgarh Drain



1. 100 Percent Treatment of Sewage

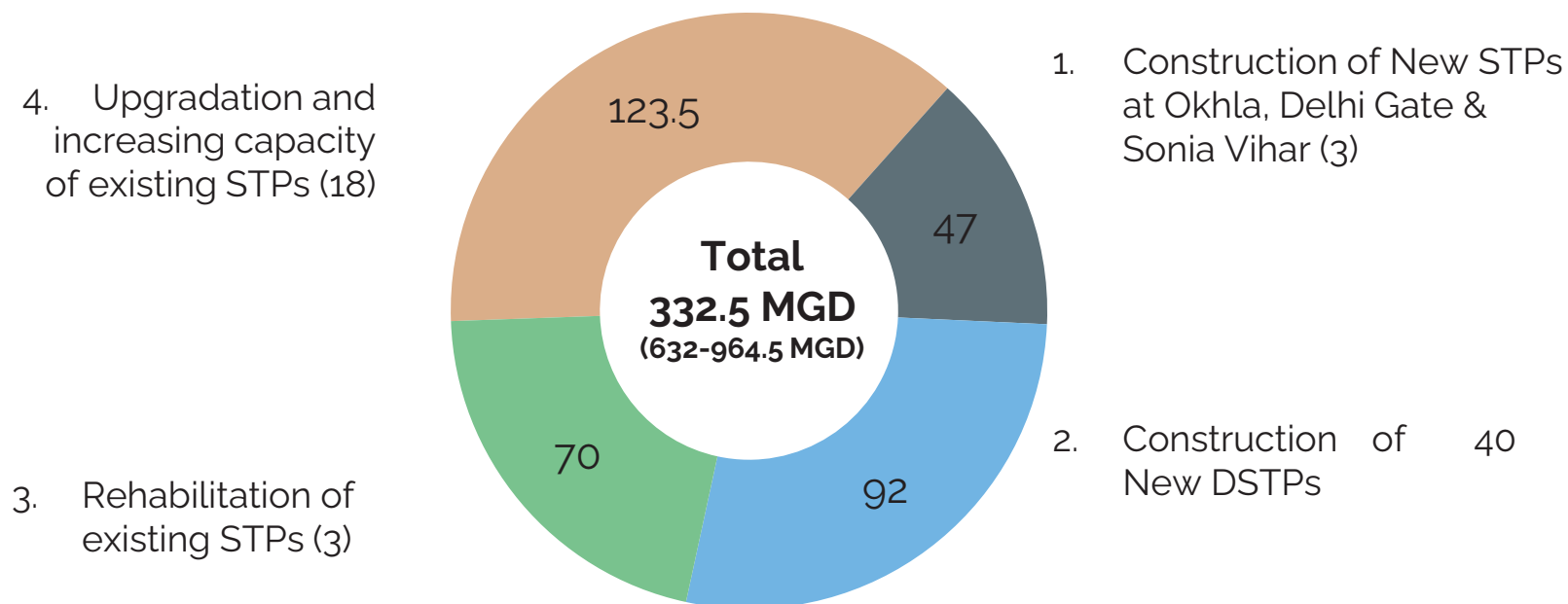
Generation, Treatment and Gap in Sewage Treatment



1. 100 Percent Treatment of Sewage

Focus Areas for Enhancing Sewage Treatment Capacity

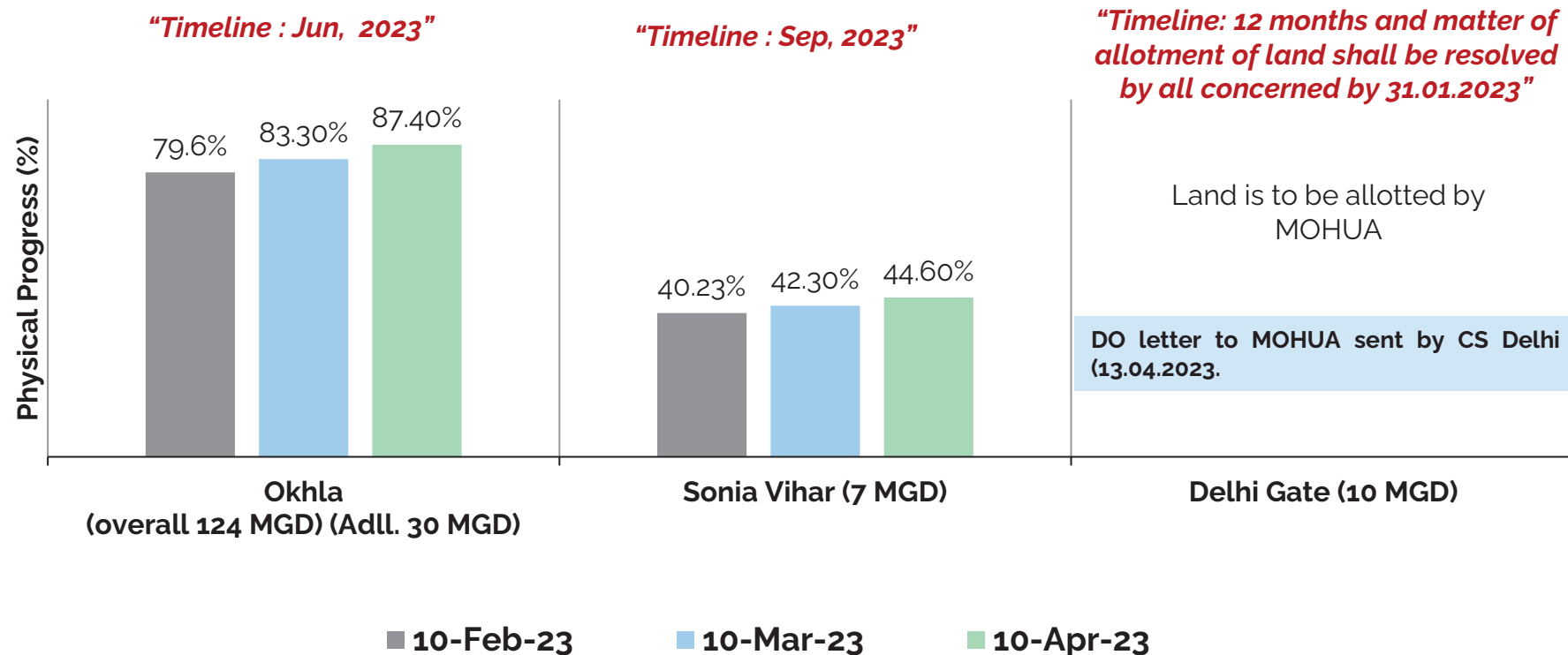
Timeline : Mar, 24



1.1. Progress in Construction of 3 new STPs

Order
Para No.
3.1.1

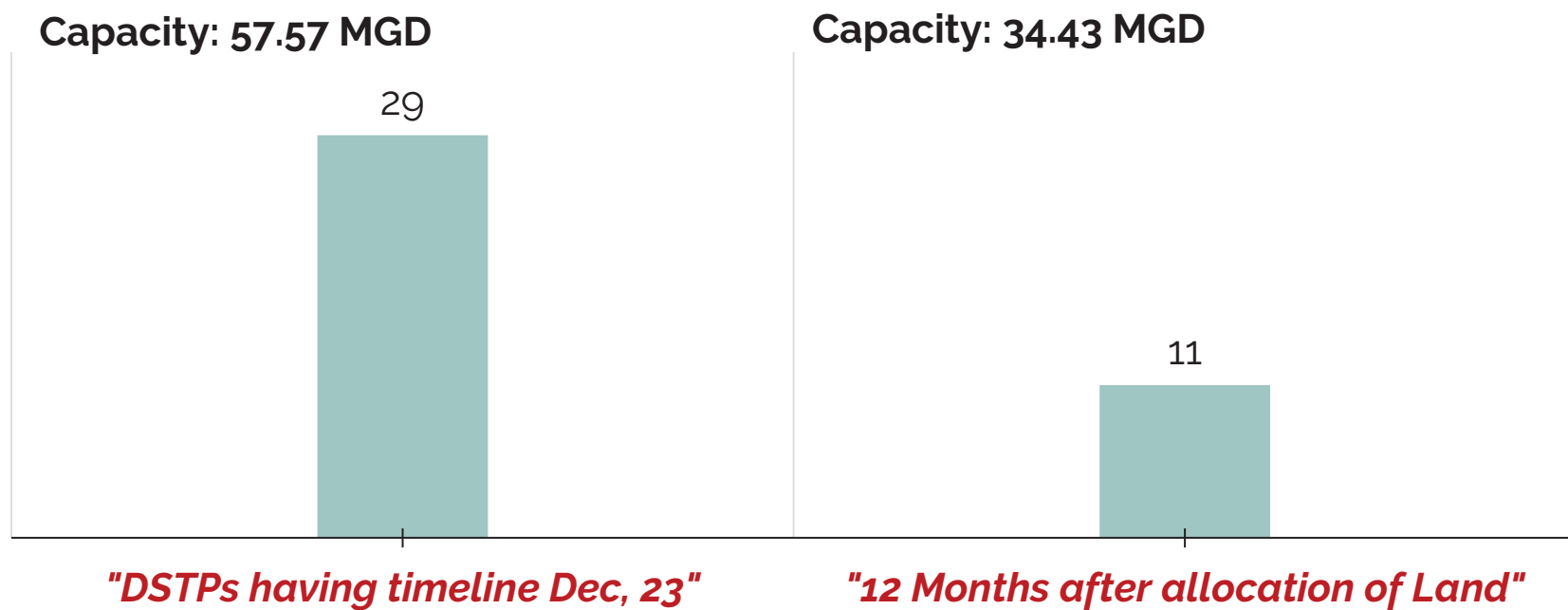
Capacity Addition: 47 MGD



1.2. Construction of 40 New DSTPs

Order
Para No.
3.1.2

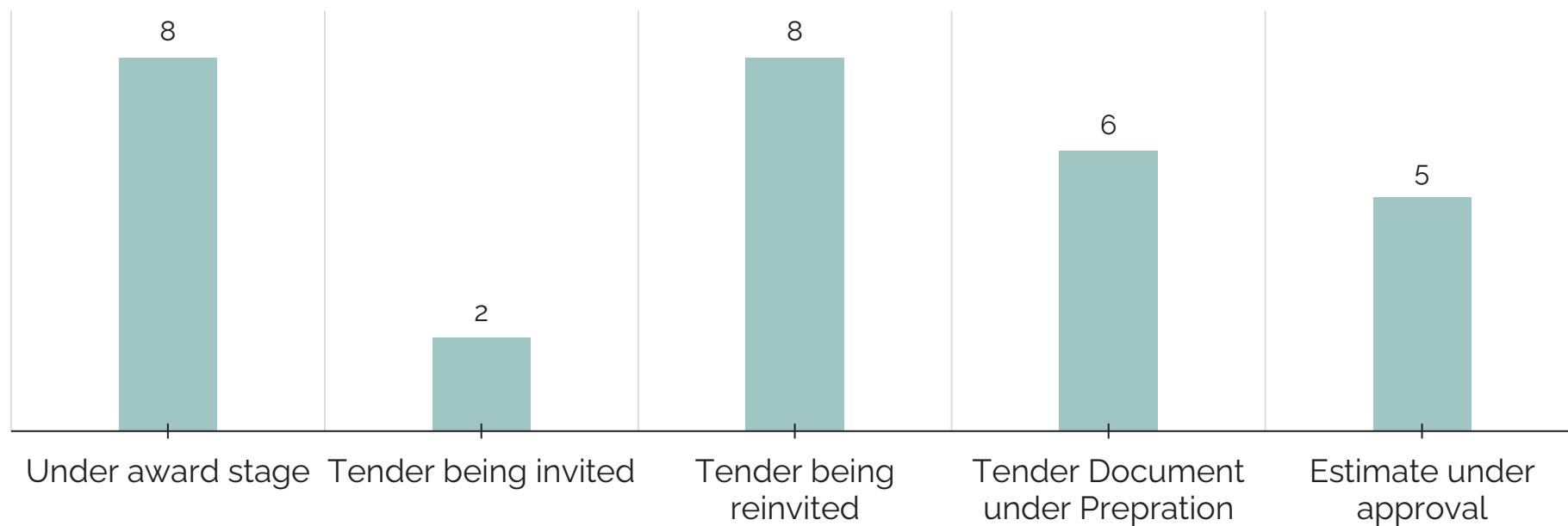
Capacity Addition: 92 MGD



1.2. Construction of 40 New DSTPs

Order
Para No.
3.1.2

29 DSTPs: Capacity Addition: 57.57 MGD



"Timeline : Dec, 2023"

1.2. Land Issues

29: Land Issues (DSTP/SPS)

S.No.	Particulars	Department	Numbers
1	DSTP & SPS land	DDA	12
2	DSTP/ SPS land allotted by DDA but not handed over yet	DDA	6
4	Gram Sabha Land for DSTP	Revenue	4
5	Private Land to be acquired	Revenue	3
6	DSTP land allotted by Revenue and handed over, but under dispute	Revenue	2
7	SPS land	DUSIB	1
8	SPS land	Police	1
Total			29

1.2. Land Issues (DDA)

12: DSTP & SPS land

S. No.	District	Village	Status as on 23.03.23	Current Status
1	North-West	Jaunti	Land is yet to be allotted by DDA. As informed by Dy.Dir. (IL) DDA on 22/3/2023, the file sent to planning deptt. of DDA.	Land allotted
2	New Delhi	Rangpuri	Land is yet to be allotted by DDA. LM deptt. of DDA to provide the land ownership and litigation status in reference to joint inspection held on 01.03.2023.	TSS done. DDA has assured allotment this month.
3	South west	Chattarpur Extension	Alternate land is available. Land is yet to be allotted by DDA	Land is yet to be allotted by DDA
4	South west	Maidan Garhi (Rajpur Khurd)	DDA vide its letter dated 02.03.23 informed that said land has not been handed over to DDA by BDO(South). Accordingly, SDM (Mehrauli) vide letter dated 10.03.2023 has been requested for early action in this matter.	DDA has assured allotment this month.

1.2. Land Issues (DDA)

12: DSTP & SPS land

S. No.	District	Location	Status as on 23.03.23	Current Status
5	North	Khera Khurd (DSTP)	Land is free from litigation as confirmed by LM. Land is yet to be allotted by DDA.	Land allotted
6	South	Tajpur Pahari	Payment has been made to DDA on 10.03.23 with the request to provide possession of land at the earliest.	DDA has been requested to waive off the interest amount vide letter dated 06.04.23. <i>Interest amount to be paid by DJB</i>
7	North-East	Near Police Station Khajuri Khas (For SPS)	On DDA's request clarification given to DDA vide letter dt 01.02.2023. Land is yet to be allotted.	Land allotted
8	South West	Salahpur Khera	Land is yet to be allotted by DDA. LM deptt. of DDA to provide land ownership and litigation status	Water body present. Joint committee to check whether DSTP can be installed and the water body could also be developed
9	New Delhi	Shahbad Mohammadpur	Land is yet to be allotted by DDA. LM deptt. of DDA to provide the land ownership and litigation status	Water body present. Joint committee to check whether DSTP can be installed and the water body could also be developed

1.2. Land Issues (DDA)

12: DSTP & SPS land

S. No.	District	Location	Status as on 23.03.23	Current Status
10	South East	Madanpur Khadar	Land allotted, payment of Rs. 3.58 Cr. has been made to DDA on 18.03.23 with the request to give possession of land.	DDA has been requested to waive off the interest amount vide letter dated 06.04.23. Interest amount to be paid by DJB
11	North - West	Adjoining to Maharishi Valmiki Hospital, Pooth Khurd Village / Sultanpur Dabas village (for SPS)	Joint inspection held with DDA on 17.02.2023. Case under scrutiny of DDA for verification of litigation status. Letter sent to Dy. Director (IL) DDA on 06.3.2023 to expedite the case for allotment of land.	Water body present.
12	North - West	Vijay Colony near Bawana chowk / behind Rajiv Gandhi Stadium Bawana village (for SPS in Bajitput Thakran GOC)		Joint committee to check whether DSTP can be installed and the water body could also be developed

1.2. Land Issues (DDA)

06: Land allotted by DDA but not handed over yet

S. No.	District	Location	Status as on 23.03.23	Current Status
1	North West	Mohamad Pur Majri	As informed by DDA official on dated 23/3/2023 file sent to Commissioner for approval for demolition.	Encroachment yet to be removed by DDA before handing over land to DJB.
2	North West	Garhi Rindahala	--	Land taken over by DJB.
3	North West	Ghewra	DDA waived off interest. Demarcation and handing over of land is in process.	Encroachment yet to be removed by DDA before handing over land to DJB.
4	Central	ISBT Kashmiri Gate	Encroachments removed by DDA on 27.02.23.	Land taken over by DJB.
5	North West	Salahpur Majra	Alternate site identified and consent letter sent on 06.03.2023. Land is yet to be allotted by DDA.	Land allotted
6	South-West	Hasanpur	Joint inspection for taking over carried out with DDA on 13.03.2023. DDA assured to remove encroachments shortly.	DDA is to remove the encroachments in the shape of road.

1.2. Land Issues (Revenue)

04: Gram Sabha Land for DSTP

S. No.	District	Location	Status as on 23.03.23	Current Status
1	North	Nayabans	1900 sqm land is to be allotted by Revenue deptt. Balance land is being searched.	Out of 13,000 Sqm requirement on land, only 1900 Sqm land allotted by Revenue Department vide letter dated 24.03.23. Balance land explored at DJB plants/other land owning agencies.
2	South west	Jauna Pur-I	Land measuring an area of 5850 Sq. mt.(7 Bigha) taken over by DJB from Rev. Deptt. on 03.03.2023. RD requested to allot balance land (3 Bigha-4 Biswa).	DM (South) vide letter dated 12.04.23 requested to allot encroachment free balance land.
3	South west	Jauna Pur-II		
4	South west	Dera Mandi , Bhati		

1.2. Land Issues (Revenue)

03: Private Land to be acquired

S. No.	District	Location	Status as on 23.03.23	Current Status
1	South - West	Tajpur Khurd	On 16.03.2023 matter was not taken up and a short date of 22.03.2023 was given. Matter is being heard again today dt. 23.03.2023 for arguments.	Matter taken up by Hon'ble Delhi HC on 27.03.23, 29.03.23 and on 11.04.23. Next date of hearing is 25-26 Apr, 23.
2	West	Tikri Kalan		
3	North East	Milan Garden Lift station	Land is yet to be acquired.	Land is yet to be acquired.

1.2. Land Issues (Revenue)

02: DSTP land allotted by Revenue and handed over, but under dispute

S. No.	District	Location	Status as on 23.03.23	Current Status
1	North	Palla	No further update/ information is received from Revenue Department.	Alternative land allotted by Revenue Department vide letter dated 24.03.23
2	North	Tajpur	No further update/ information is received from Revenue Department.	Alternative land allotted by Revenue Department vide letter dated 24.03.23

1.2. Land Issues (Other Department)

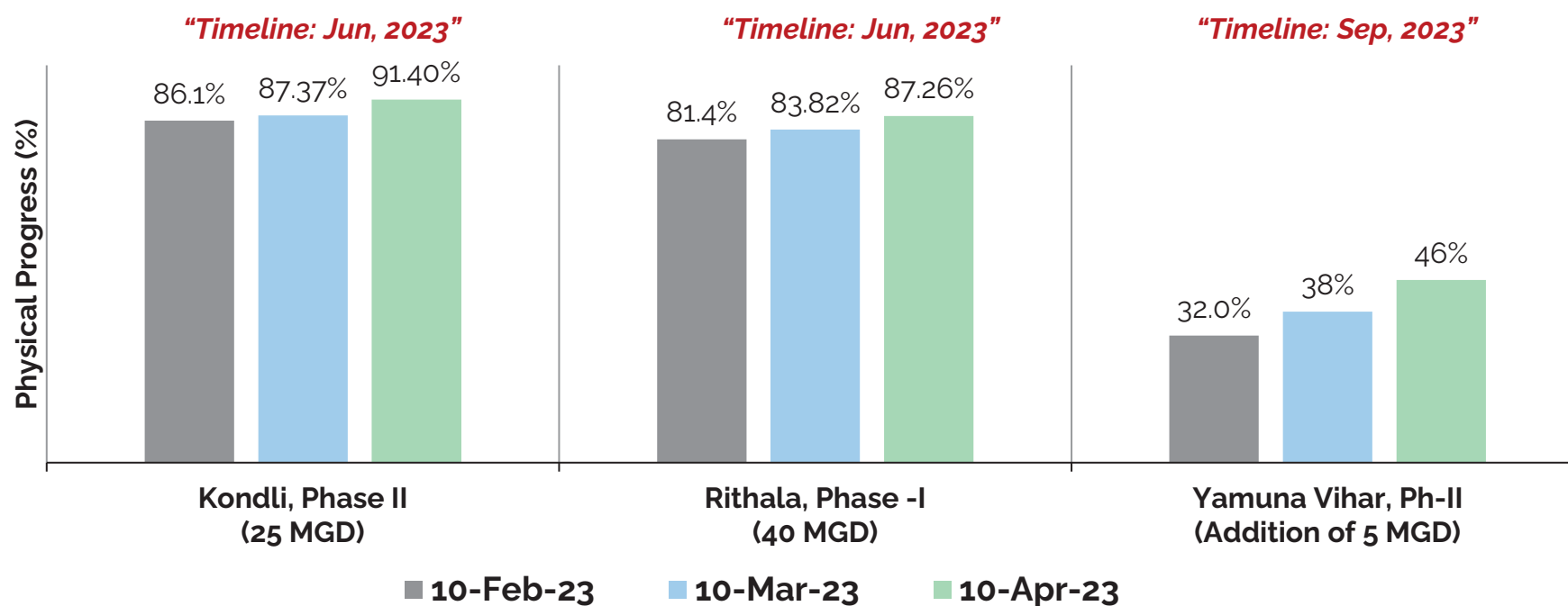
02: SPS land

S. No.	District	Location	Department	Status as on 23.03.23	Current Status
1	North	Guru Nanak Dev Colony (SPS)	DUSIB	CS on 10.03.23 decided that DUSIB will handover land to DJB immediately and payment issue will be resolved as per approval of DUSIB subsequently. Land is yet to be allotted / handed over by DUSIB.	In process of allotment
2	North East	Police training school(PTS) at 5th Pusta, G Block Sonia Vihar (SPS)	Police	Delhi Police has again been requested to look into the matter favorably. Land is yet to be allotted.	Delhi Police agreed for allotment of land

1.3. Progress in Rehabilitation of existing 3 STPs

Order
Para No.
3.1.3

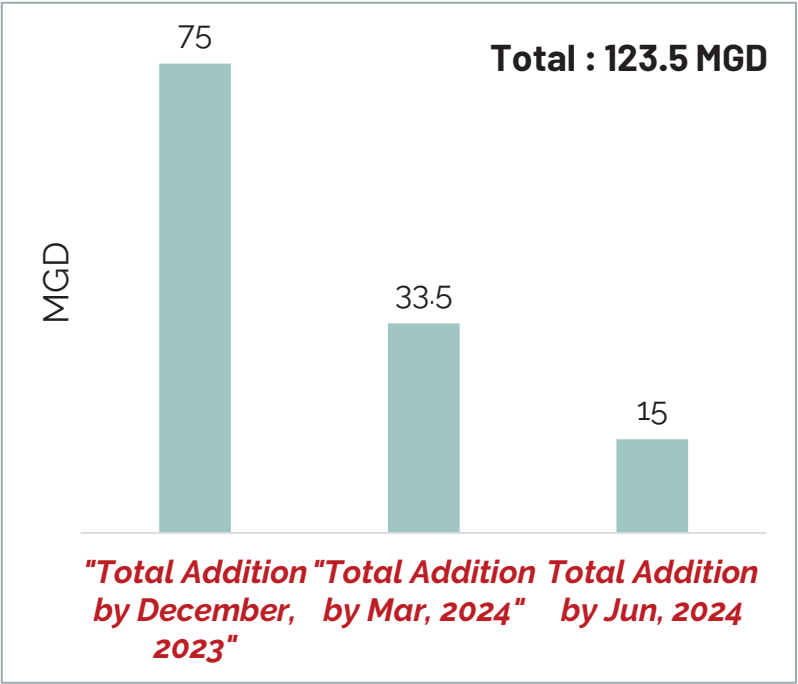
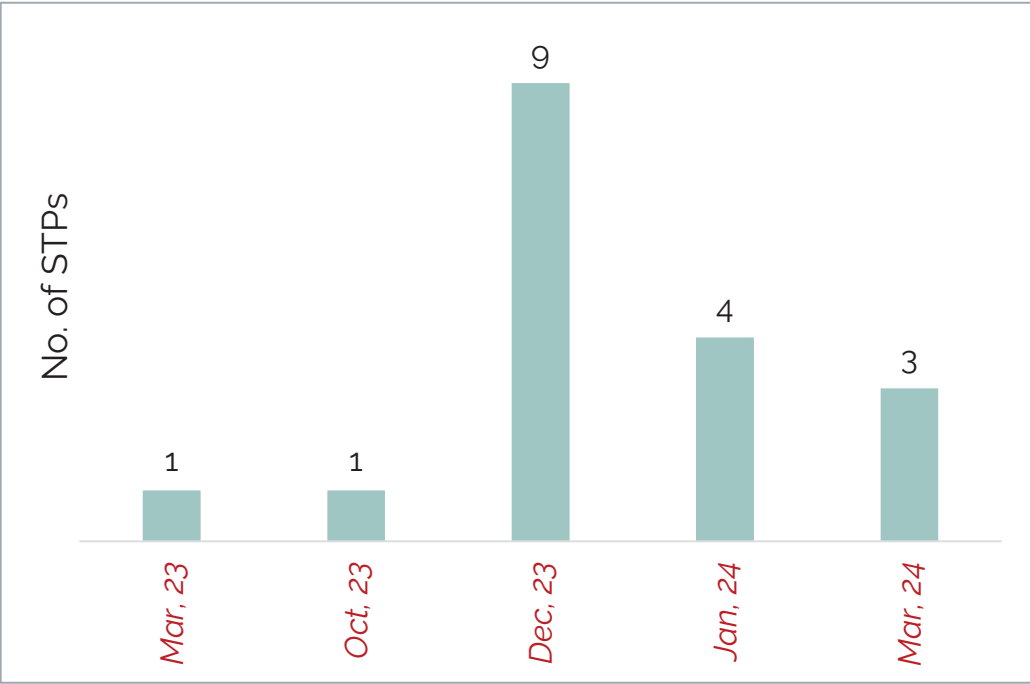
Capacity Addition: 70 MGD



1.4. Upgradation of Existing 18 Sewage Treatment Plants

Order
Para No.
3.1.4

Capacity Addition: 123.5 MGD
Timeline for completion – Jun, 2024



1.4. Upgradation of Existing 18 Sewage Treatment Plants

Order
Para No.
3.1.4

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Mar, 23	Status as on 10 Apr, 23	<i>Timelines</i>
1.	Rithala Phase -II	40	40	54 %	80 %	<i>"Mar, 2023"</i>
2.	Kondli Phase-IV	45	45	30.19 %	38 %	<i>"Oct, 2023"</i>

1.4. Upgradation of Existing 18 Sewage Treatment Plants

Order
Para No.
3.1.4

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Mar, 23	Status as on 10 Apr, 23	Timelines
3	Pappan Kalan Phase - I	20	30	2 %	5 %	"Dec, 2023"
4	Nilothi Phase -II	40	60	2 %	5 %	
5	Najafgarh	5	5	0	2 %	
6	Keshopur Phase -II	20	20	0	2 %	
7	Keshopur Phase-III	40	60	0	2 %	
8	Rohini Sector 25	15	25	4 %	6 %	
9	Narela	10	15	4 %	6 %	
10	Coronation Pillar Phase -I & II	20	20	4 %	6 %	
11	Coronation Pillar Phase -III	0 (Plant is non operational)	10	4 %	6 %	

1.4. Upgradation of Existing 18 Sewage Treatment Plants

Order
Para No.
3.1.4

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Mar, 23	Status as on 10 Apr, 23	Timelines
12	Okhla Phase- V	16	16	Tenders have been reinvited on 25/02/2023 which is due on 27/03/2023	Tenders opened on 06/04/23. single bidder participated in the bid . Case file is under technical evaluation	<i>"Jan, 2024"</i>
13	Mehrauli	5	7.5			
14	Ghitorni	5	7.5			
15	Vasant Kunj	5	7.5			

1.4. Upgradation of Existing 18 Sewage Treatment Plants

**Order
Para No.
3.1.4**

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Mar, 23	Status as on 10 Apr, 23	Timelines
16	Yamuna Vihar Phase – I	10	15	Tenders re-invited due for opening on 13.03.23 and work is likely to be completed by March, 2024.	Single bid received. Rate on higher side. Agency shall be called for negotiation.	Mar, 2024
17.	Keshopur Phase- I	12	18	Tender re-invited on 25.02.2023 with due date on 27.03.2023	Tenders opened on 06/04/23. single bidder participated in bid . Case file is under technical evaluation	Mar, 2024
18.	Yamuna Vihar Phase – III	25	40	DPR received on 10.03.23.	Single bid received. Rate on higher side. Agency shall be called for negotiation.	Mar, 2024
	Yamuna Vihar Phase – III	40	55		In process for recommendation of administrative approval.	Jun,2024

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

Order
Para No.
3.2

S.No.	Particulars	Total length (Km)	Cumulative Length Desilted as on 10.03.23 (Km)	Cumulative Length Desilted as on 10.04.23 (Km)	Timelines
1.	Desilting of 90.34 Km				
a	Yamuna Vihar STP	7.65	3.9	4.3	"June, 23"
b	Rithala-Rohini STP	19.21	10.1	11.2	
c	Narela STP & Coronation Pillar STP	8.05	3.7	7.92	
d	Keshopur STP	2.84	0.70	0.7	
e	Nilothi STP	4.61	0.46	0.94	
f	Kondli STP in east zone	8.76	Lol issued on 07.03.2023	Manhole tracing/sonar survey is in progress	
g	Dwarka STP	27.10	0.88	3.31	
h	Okhla STP	11.51	1.2	2	
i	Desilting of gravity duct no. 1	5.20	1	2.3	
	Total	94.93	21.94	32.67	
2.	Desilting of remaining 110 Km	110	Survey and estimation is being done	Initially 45 Km of sewer line shall be desilted for which estimates are being checked	"Sep, 23"

Desilting of Gravity Duct-I

Before /After progress visuals

BEFORE



BEFORE



AFTER



Desilting of Keshopur & Nilothi Trunk desilting

Before /After progress visuals



Desilting of Narela & Coronation Pillar Trunk contd.....

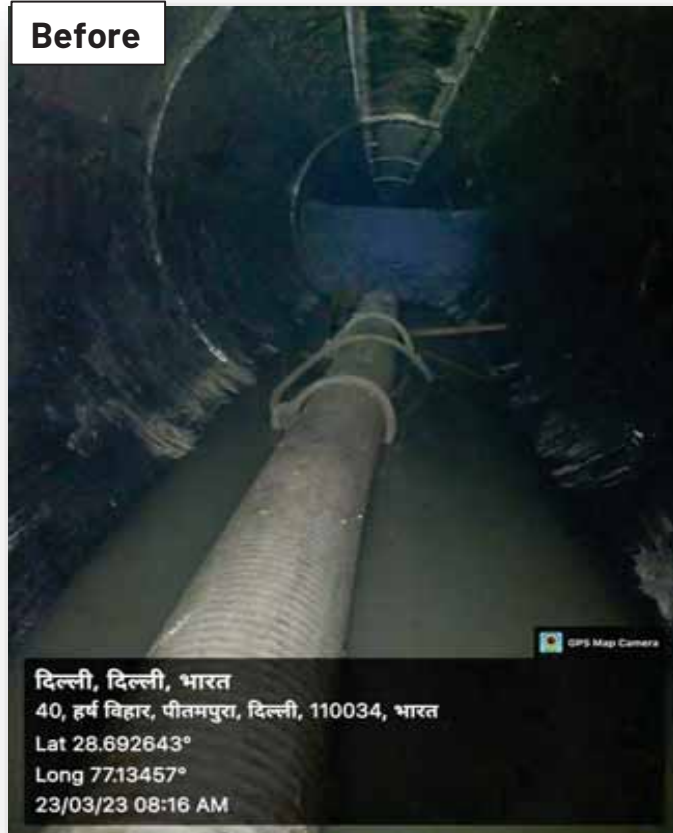
Before /After progress visuals



Desilting of Rohini-Rithala Trunk

Before /After progress visuals

Before



After



Desilting of Narela & Coronation Pillar Trunk

Before /After progress visuals



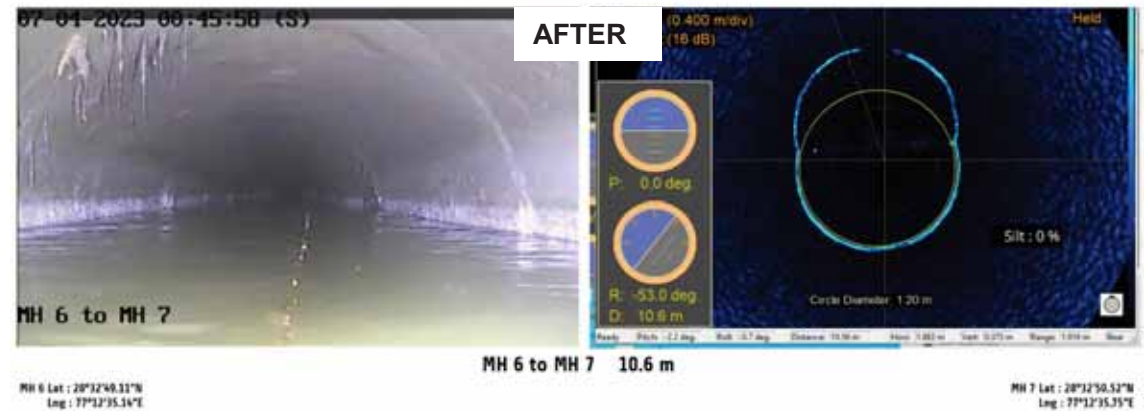
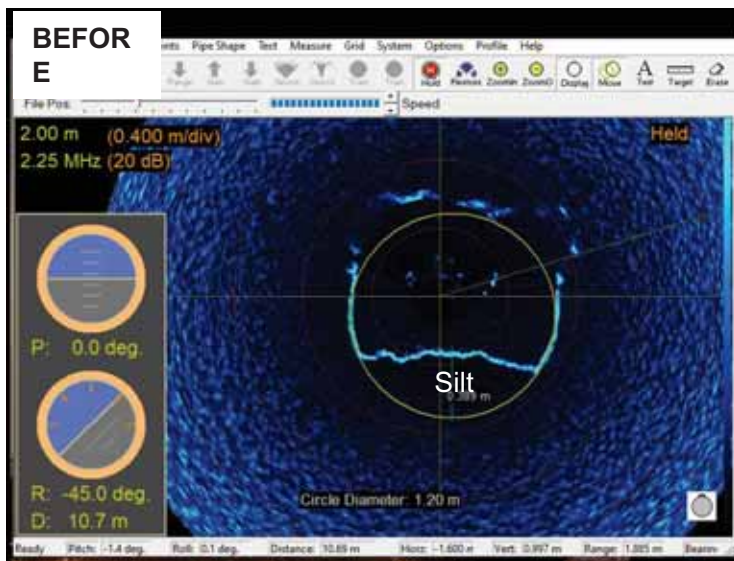
Desilting of Dwarka Trunk

Before /After progress visuals



Desilting of Okhla Trunk

Before /After progress visuals



1.5. Desilting of sewer line below 1000 mm Dia (Approx 485.5 Km)

New Action Point

S.No.	Particulars	Total length (Km)	Timelines
3.	<i>Desilting of Sewerlines (below 1000 mm Dia)</i>	<i>485.5</i>	<i>Dec, 23</i>
<i>A</i>	<i>Work in progress</i>	<i>90.7</i>	<i>Dec, 23</i>
<i>B</i>	<i>Works in Estimate and Tender stage</i>	<i>394.8</i>	<i>Dec, 23</i>

1.6. Sewerage system and Storm water drainage faulty interconnection

New Action Point

Objectives:

1. To prevent faulty interconnections between Sewerage system and Storm water drainage
 2. Full capacity utilization of Storm water drainage
- Total number of Natural storm water drains: 210
 - IFCD to submit agency wise list of storm water drains (cross section wise)
 - DJB has prepared list of 539 points of faulty interconnection from storm water drains. [1st phase]
 - Out of 539 storm water drain 309 are still connected to DJBs sewerage system.
 - **MCD: 286**
 - **PWD: 19**
 - **DSIIDC: 03**
 - **NA: 01**
 - DoAs to submit timelines for disconnection.

Trapping of partially trapped Delhi Gate Drain

Order
Para No.
3.2.1(i)

"DJB shall construct 10 MGD STP to trap the remaining flow in the Delhi Gate Drain within 12 months and matter of allotment of land shall be resolved by all concerned by 31.01.2023."

Direction	Timelines	Status
Matter of allotment of land shall be resolved by all concerned	31 Jan, 23	MoHUA has inspected land on 25.03.2023, Agenda of allotment to be placed before Land Allocation Screening Committee, MoHUA. DO letter to MoHUA sent by CS Delhi (13.04.2023).

Trapping of partially trapped Sen Nursing Home Drain

Order
Para No.
3.2.1(i)

- *Sen Nursing Home Drain has been trapped into Sen Nursing Home STP as well as into the Ring Road trunk sewer.*
- *However, some marginal flow/ overflow still passes during peak hours.*

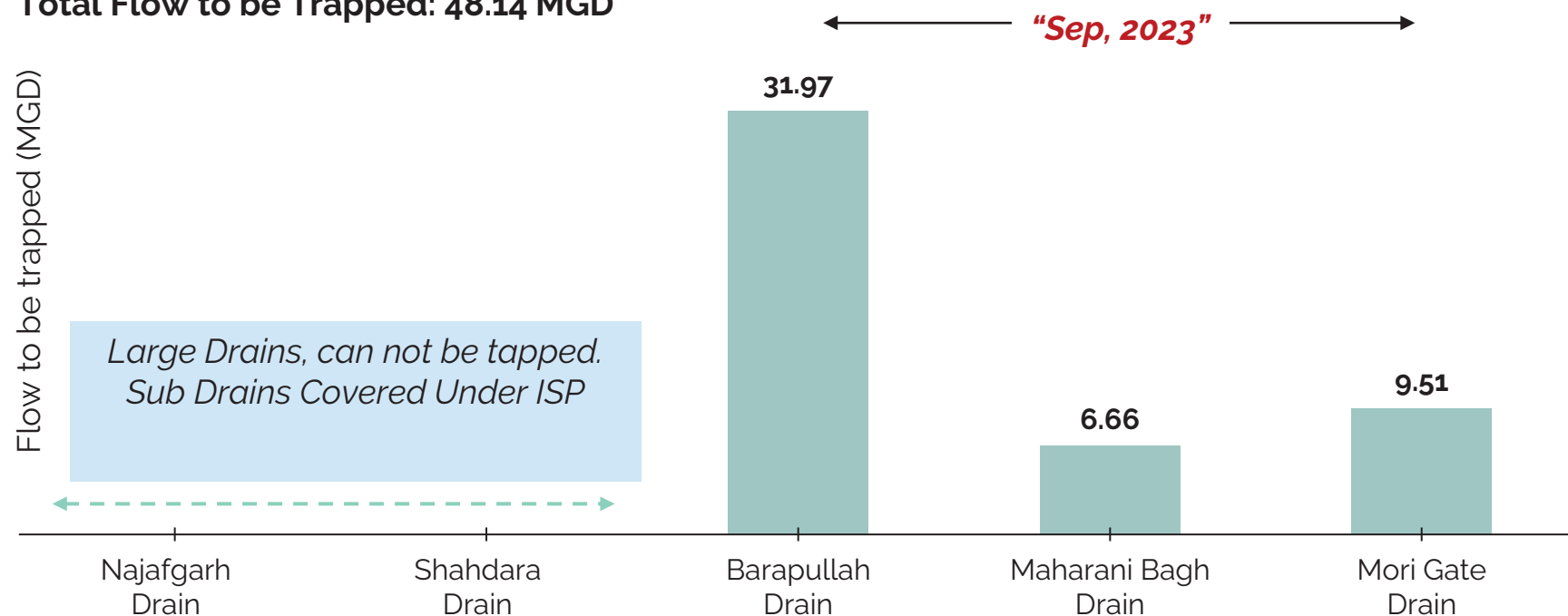
Direction	Timelines	Status
Trapping of Marginal/ overflow of Sen Nursing Home Drain	Action Plan: Mar, 23 (Now: May, 23)	Due to ongoing construction activity by CPWD around the WHO complex, subsoil water is also being pumped into the drain after the trapping. Complete trapping of the drain is only possible after stopping discharge from the construction activity of CPWD.

2. Trapping of all Drains

Order
Para No.
3.2.1(iii)

Trapping of Drains (Remaining 3 untapped major drains)

Total Flow to be Trapped: 48.14 MGD

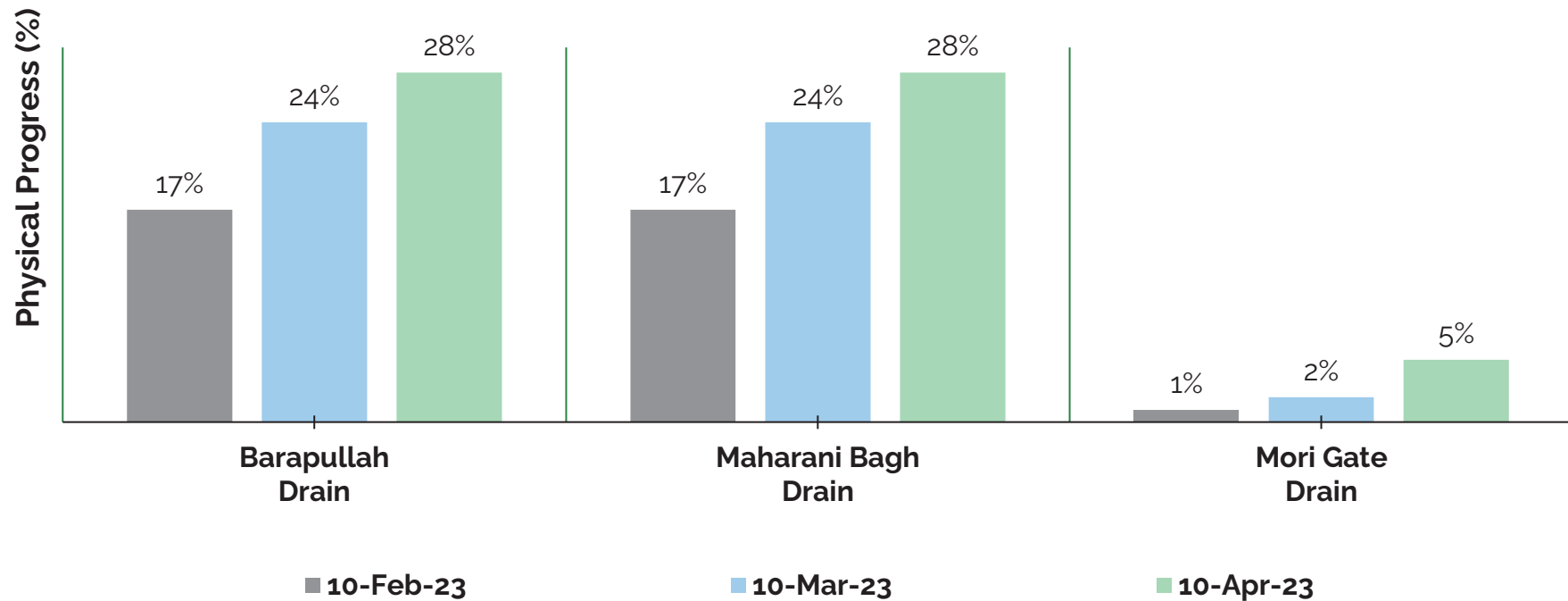


2. Trapping of all Drains

Order
Para No.
3.2.1(iii)

Trapping 3 untapped major drains : Total Flow to be Trapped: 48.14 MGD

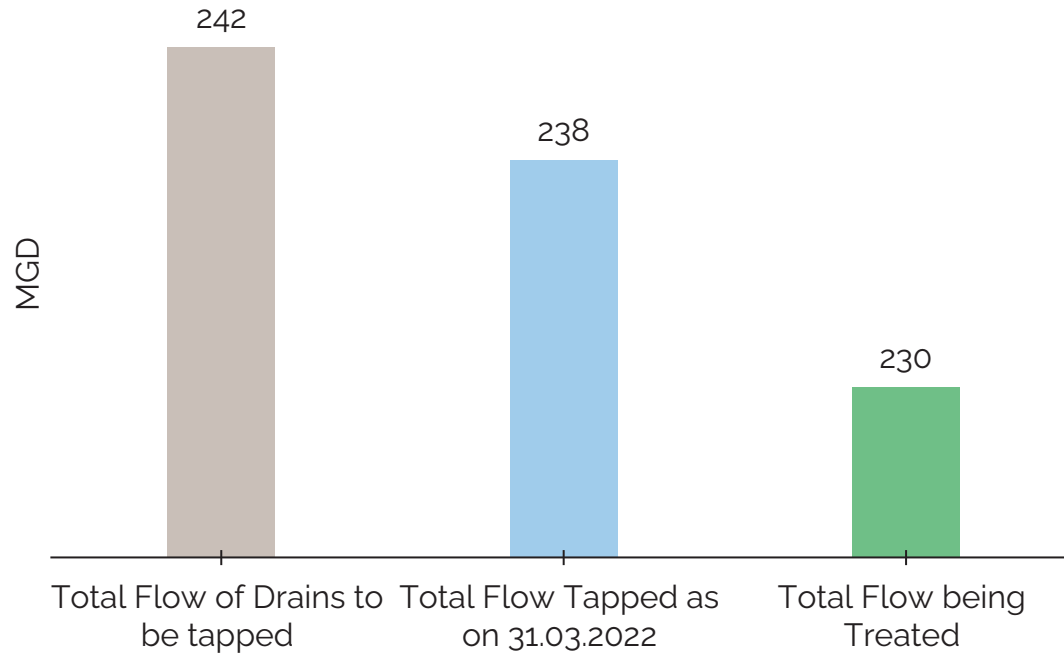
"Timeline: Sep, 2023"



2. Trapping of all Drains

Order
Para No.
3.2.2

Status of Interceptor Sewer Project (ISP) of DJB



- *"Entire flow shall be trapped and treated by June, 2023"*
- Physical work of ISP completed and commissioned.
- 230 / 242 MGD trapped & treated (238 MGD provisioned)
- Will be trapped after construction/ rehabilitation of Rithala and Kondli STPs under YAP-III.

2. Trapping of all Drains

**Order
Para No.
3.2.2 (iii)**

Action plan of 76 un-trapped sub drains

Sr. No.	Name of major Drain	Total number of un-trapped drains	Number of sub drains	<i>Timeline</i>	Status as on 10 Apr, 23			
1.	Najafgarh Drain	44	06	<i>Completed</i>	Trapped			
			06	<i>Jan, 23</i>	Trapped			
			01	<i>Feb, 23</i>	Trapped			
			04	<i>Mar, 23</i>	Trapped			
			01	<i>May, 23</i>	70 %			
			04	<i>Jun, 23</i>	2- Drains - 98 %	82 %		1-Action to be taken by DDA
			22	<i>Oct, 23</i>	5- 65% to 85% (Extent of laying of sewer network)	11- linked with DSTPs (Dec, 23)	3-Action to be taken by DDA	3- DSTPs land sub-judice

Trapping photographs of sub drains emptying into Najafgarh Drain

Before /After progress visuals



Hakikat Nagar drain

Trapping photographs of sub drains emptying into Najafgarh Drain

Before /After progress visuals



Shakti Nagar Sub drain- 2

Trapping photographs of sub drains emptying into Najafgarh Drain

Before /After progress visuals

BEFORE



BEFORE



After



Rana Pratap Bagh drain

Trapping photographs of sub drains emptying into Najafgarh Drain

Before /After progress visuals



Christian Colony drain

Trapping photographs of sub drains emptying into Najafgarh Drain

Before /After progress visuals

BEFORE



AFTER



Balak Ram drain

2. Trapping of all Drains

Order
Para No.
3.2.2 (iii)

Action plan of 76 un-trapped sub drains

Sr. No.	Name of major Drain	Total number of un-trapped drains	Number of sub drains	<i>Timeline</i>	Physical Progress as on 10 Mar, 23	Physical Progress as on 10 Apr, 23
2.	Shahdara Outfall Drain	02	02	<i>"Jun, 23"</i>	72.8 %	72.8 %

2. Trapping of all Drains

Order
Para No.
3.2.2 (iii)

Action plan of 76 un-trapped sub drains

Sr. No.	Name of major Drain	Total number of un-trapped drains	Number of sub drains	Timeline	Physical Progress as on 10 Apr, 23				
3.	Supplementary Drain	30	02	Feb, 23	Trapped				
			07	Mar, 23	6 - Drains - Trapped		1 - Drains - 88 %		
			04	Apr, 23	1- Drains - Trapped		3 - Drains – 95 %		
			1	May, 23	75 %				
			14	Jun, 23	1-Drain 90 %	5-Drain 50 to 65 % progress	4-Drain 8 to 15 % progress	1-Drain Under Award	2 Work will be started shortly
			01	Sep, 23	30 %				
			01	Oct, 23	Trapped				

Trapping photographs of sub drains emptying into Supplementary Drain

Before /After progress visuals



Badli sub drain

Trapping photographs of sub drains emptying into Supplementary Drain

Before /After progress visuals

BEFORE



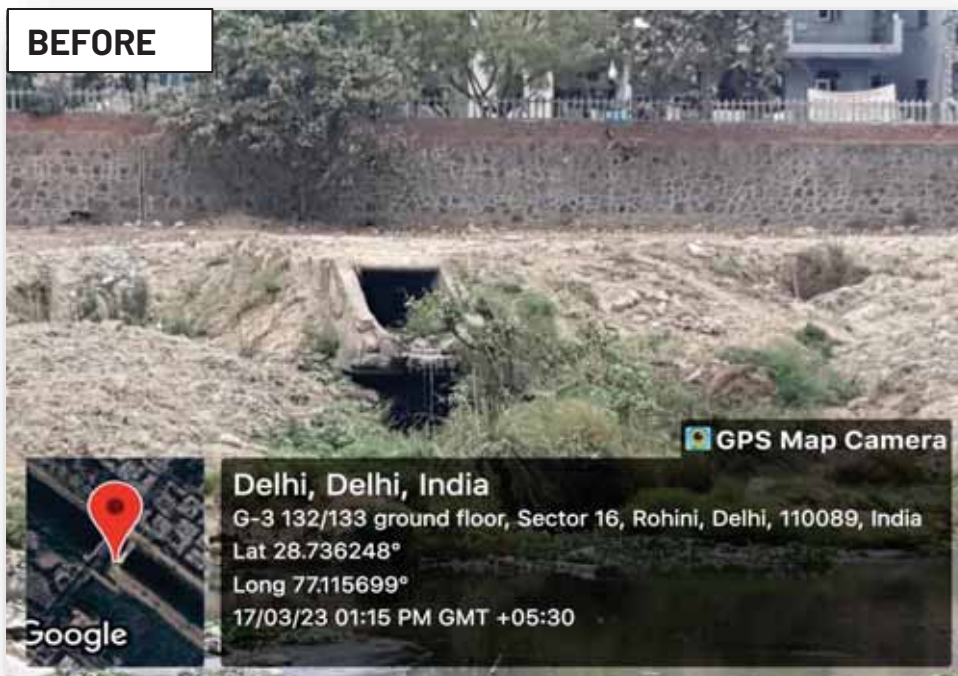
AFTER



Metro Pillar no 270 Gali no 6, Wazirabad

Trapping photographs of sub drains emptying into Supplementary Drain

Before /After progress visuals



Rohini Sec- 16

Trapping photographs of sub drains emptying into Supplementary Drain

After progress visuals



2.1 Physical Inspection of Additional non-Recorded Sub Drains (DoA)

Order
Para No.
3.2.2 (iv)

- There are many illegal sub drains which are not in official records of drain owning agencies but are falling into Main Drain. Drain owning agencies: PWD, MCD, DDA, IFCD, DSIIDC etc.

Direction	Timeline	Status
Physical Inspection of non-recorded Sub Drains of 18 Major Drains	Feb, 2023	IFCD submitted [138] in Najafgarh, Supplementary and Shahdara Outfall drain and found private pipes discharging into drains. Najafgarh-63 Supplementary -71 Shahdara-4 Joint inspection by IFCD & DJB directed by CS on 10.03.23 (Survey completed: 58 found Untrapped, action plan prepared, Timeline Dec, 23). Based on DPCC/GSDL data a list of 238 sub drains was prepared and subsequently revised list of 191 sub drains was sent to DoAs for physical verification. IFCD & DJB confirms that all Sub drains of Najafgarh, Supplementary and Shahdara are already covered in the present action plan and above mentioned IFCD list.

2.2. Performance Audit of completely trapped 11 major drains and all sub-drains

Order
Para No.
3.2.3

Direction	Timeline	Status
<i>DJB to undertake Performance Audit of completely trapped 11 major drains and all sub-drains through an independent agency</i>	Feb, 2023	M/s Wapcos offer has been accepted. LOI issued on 31.03.2023. Performance Bank Guarantee (PBG) awaited from M/s Wapcos.

Decision Taken in 3rd Meeting

Trapping status of 13 drains

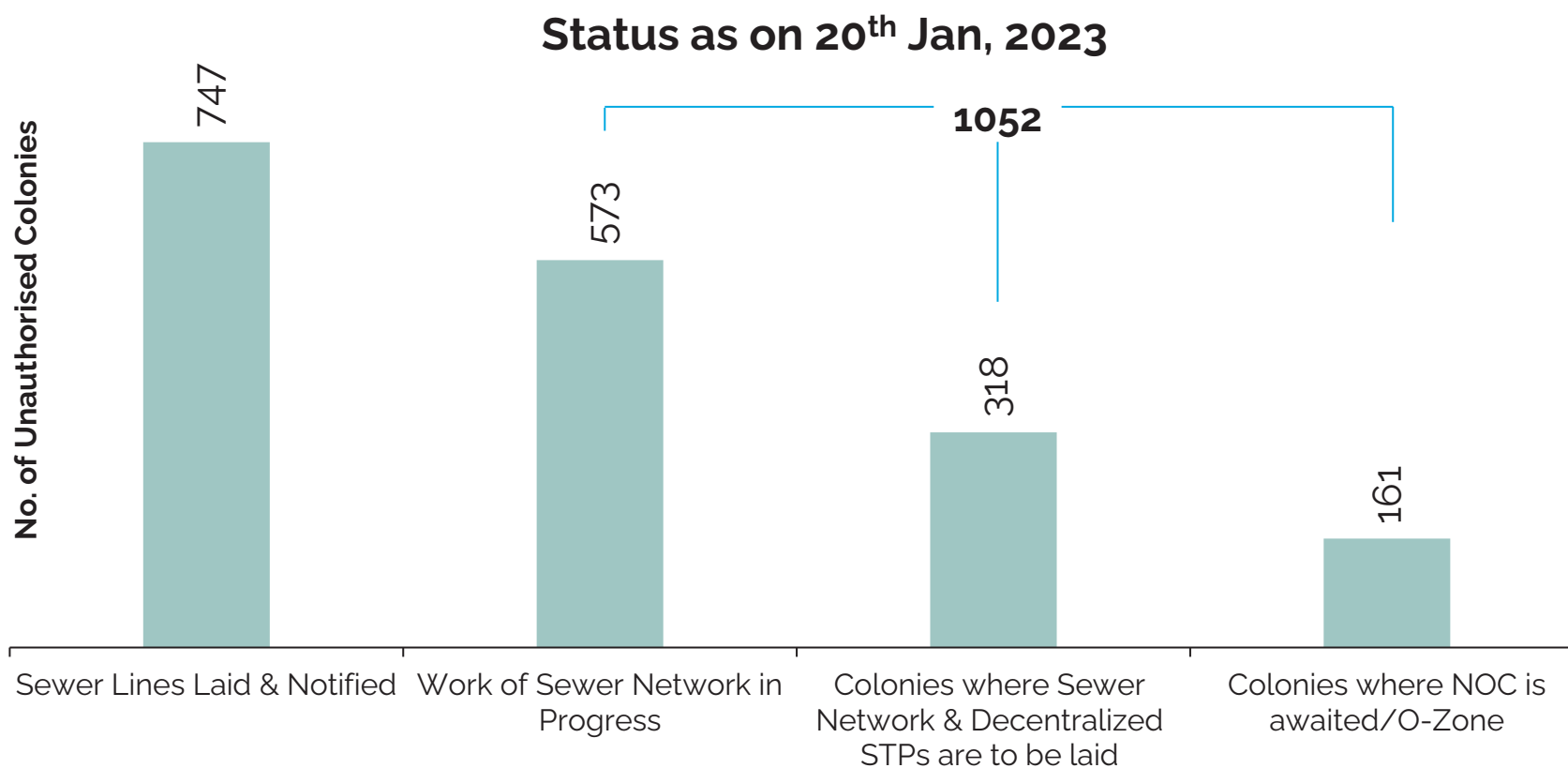
DG, NMCG informed that team of NMCG has also visited drains out-falling into river Yamuna on 13-14 Feb, 2023 and it has been found that there was flow in 13 drains.

Hon'ble Lt. Governor directed DJB to check the trapping status of 13 drains as mentioned by NMCG immediately and furnish a report.

Joint inspection by DJB and NMCG fixed on Monday (24.04.2023)

3. Sewerage Network in unauthorised colonies (1799)

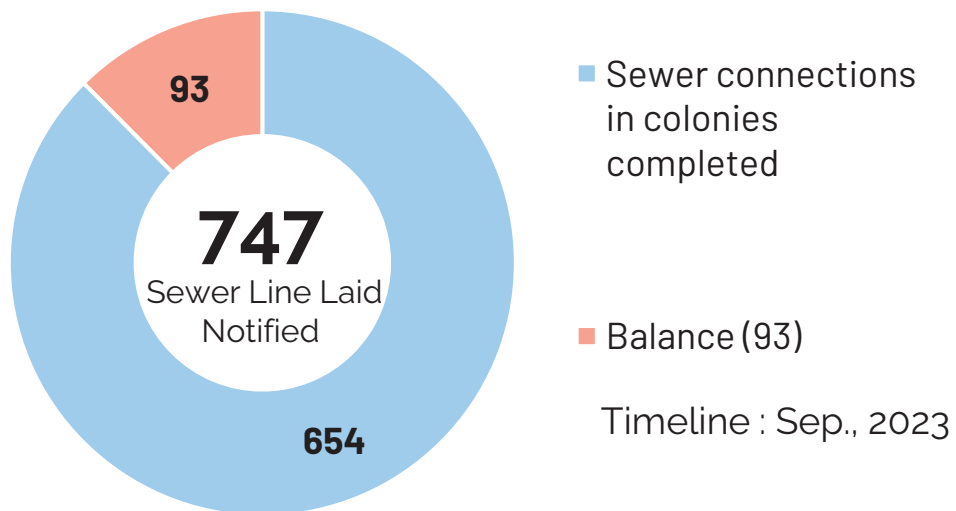
Order
Para No.
3.3.1



Decision Taken in 3rd Meeting

Connection to all households

Hon'ble Lt. Governor directed DJB to complete the survey and submit timeline by which DJB will provide connection to all the households in the unauthorized colonies where sewer network has been laid.

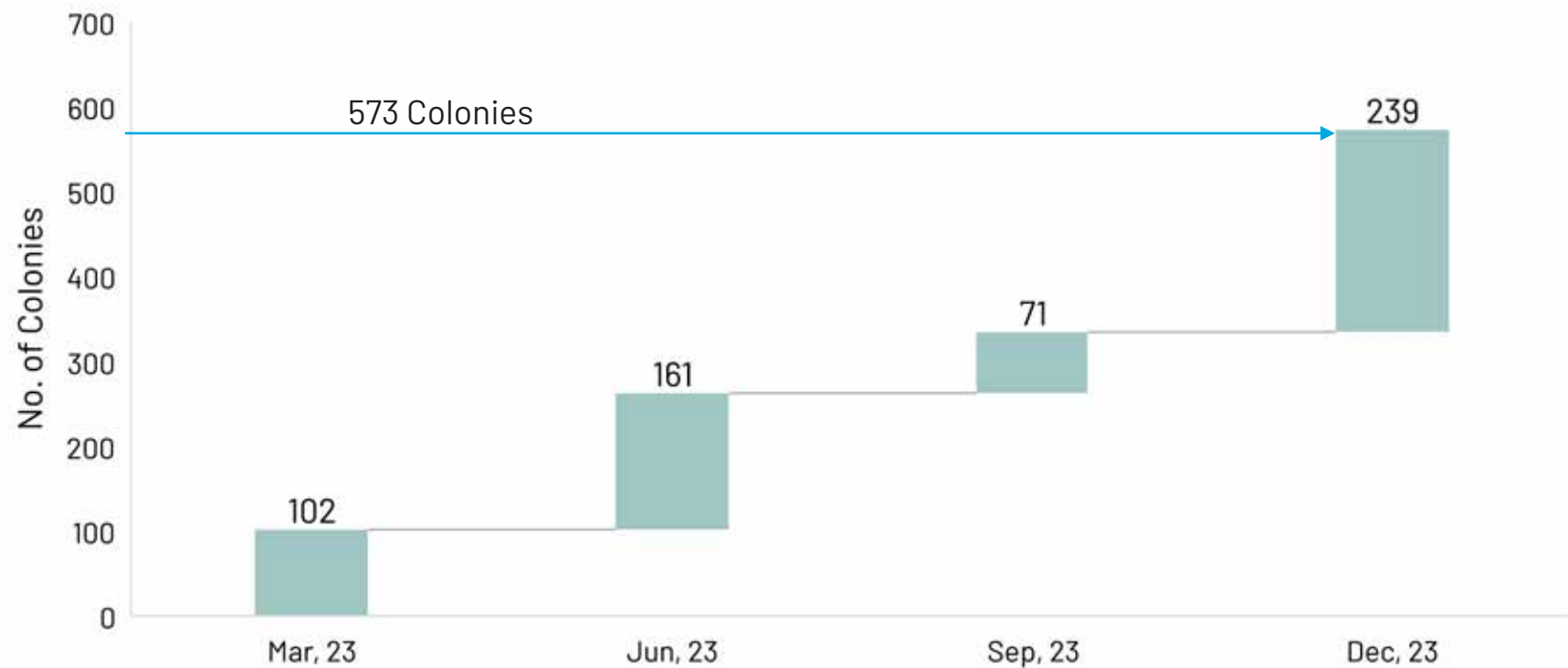


Further, in 573 U/a colonies where work of sewer network is in progress, the house sewer connections is being taken up simultaneously alongwith network and will be completed by December, 2023..

3.1. Status of Sewerage Networks in Progress

Order
Para No.
3.3.1

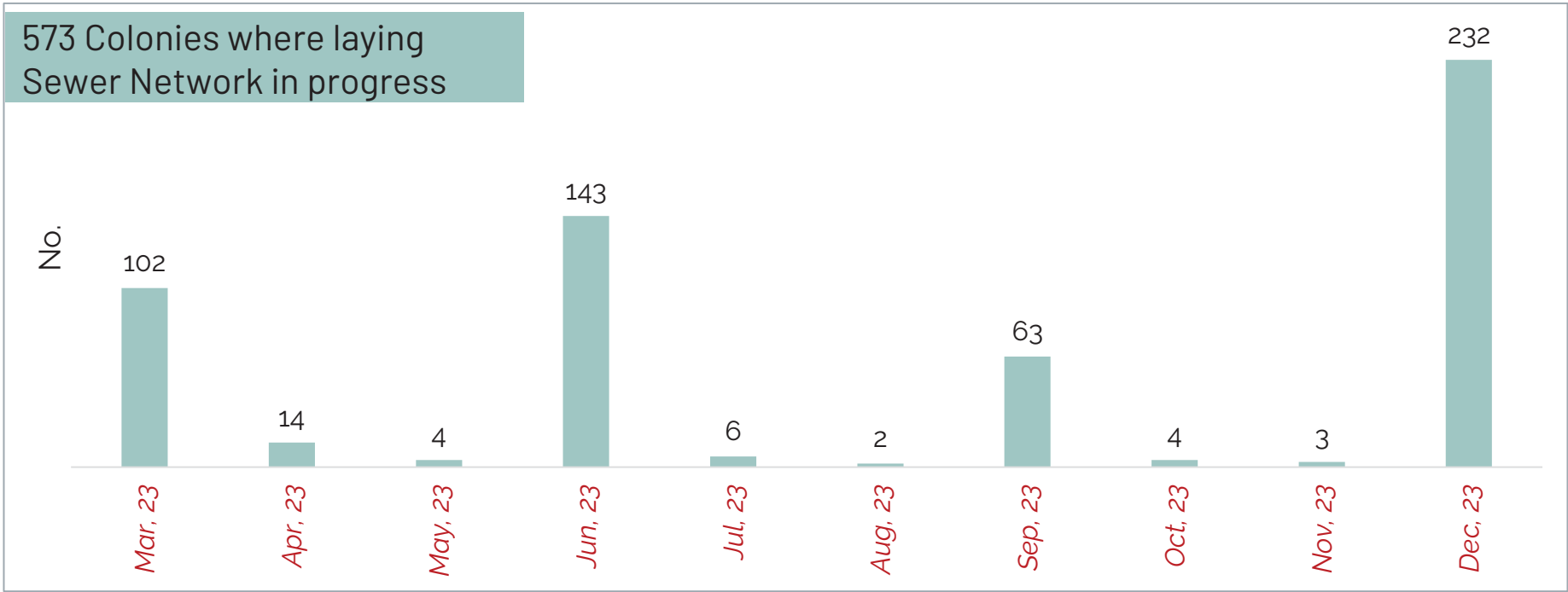
573 Colonies where laying Sewer Network in progress



3.1. Status of Sewerage Networks in Progress

Order
Para No.
3.3.1

573 Colonies where laying Sewer Network in progress



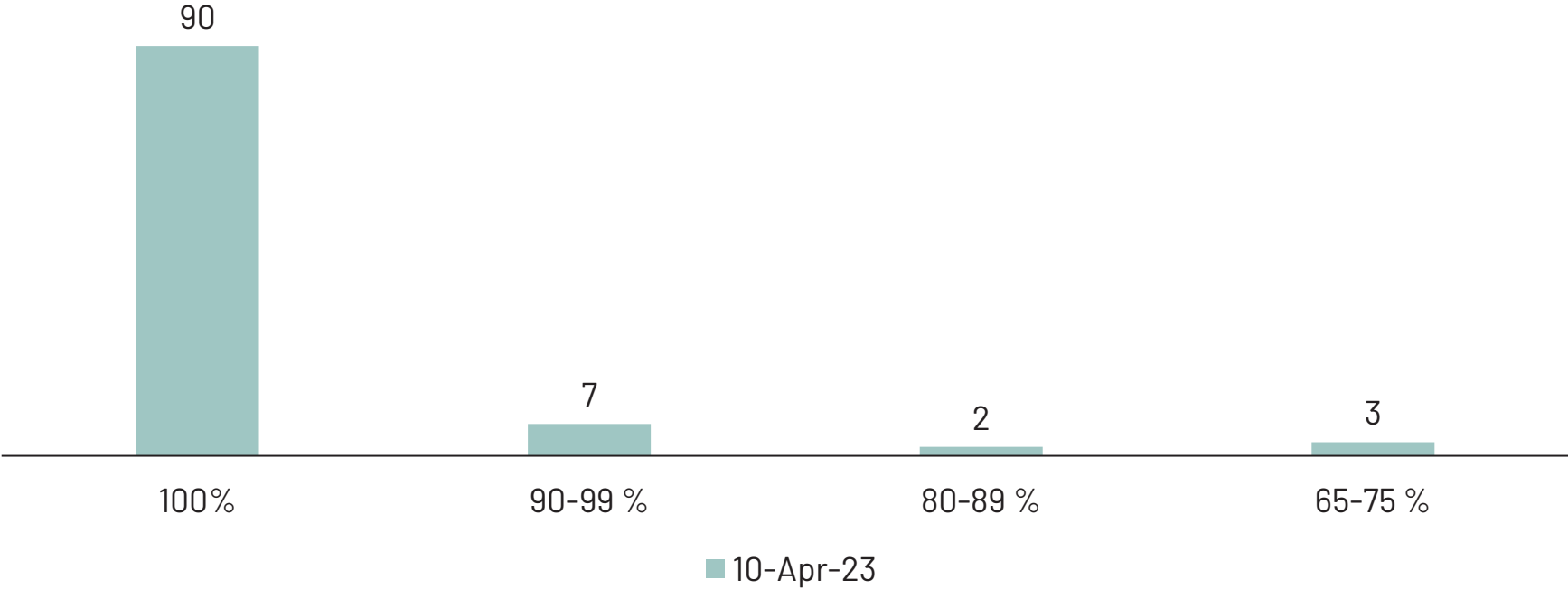
3.1.1. Status of Sewerage Networks in Progress

Order
Para No.
3.3.1

573 Colonies where laying Sewer Network in progress

Physical Progress of 102 Colonies

“Timeline: Mar, 23”



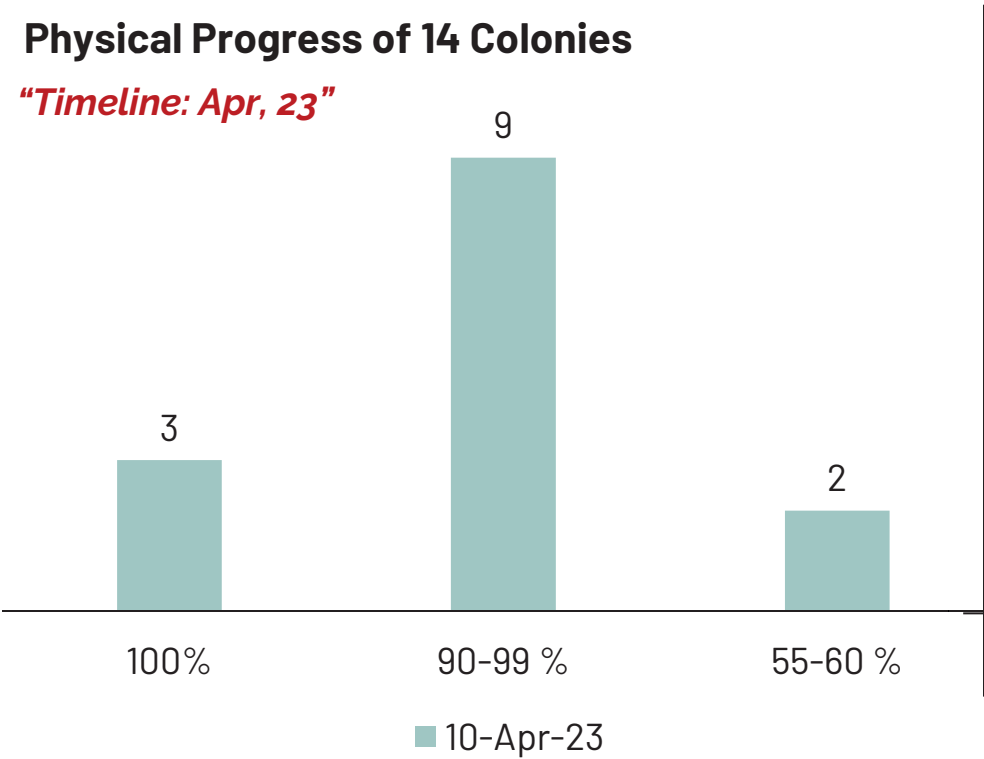
3.1.1. Status of Sewerage Networks in Progress

Order
Para No.
3.3.1

573 Colonies where laying Sewer Network in progress

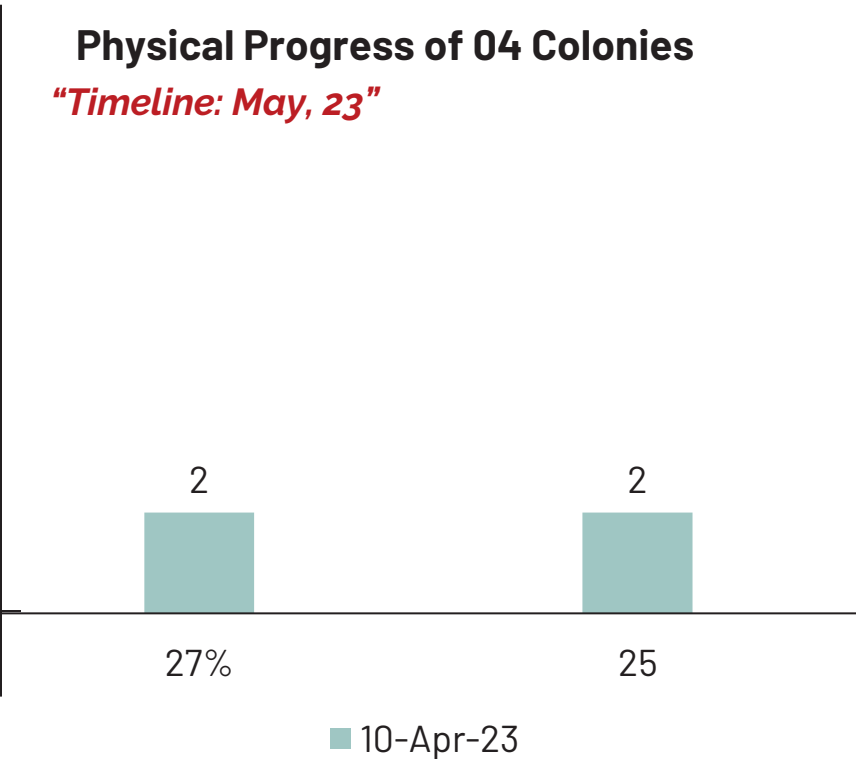
Physical Progress of 14 Colonies

“Timeline: Apr, 23”



Physical Progress of 04 Colonies

“Timeline: May, 23”



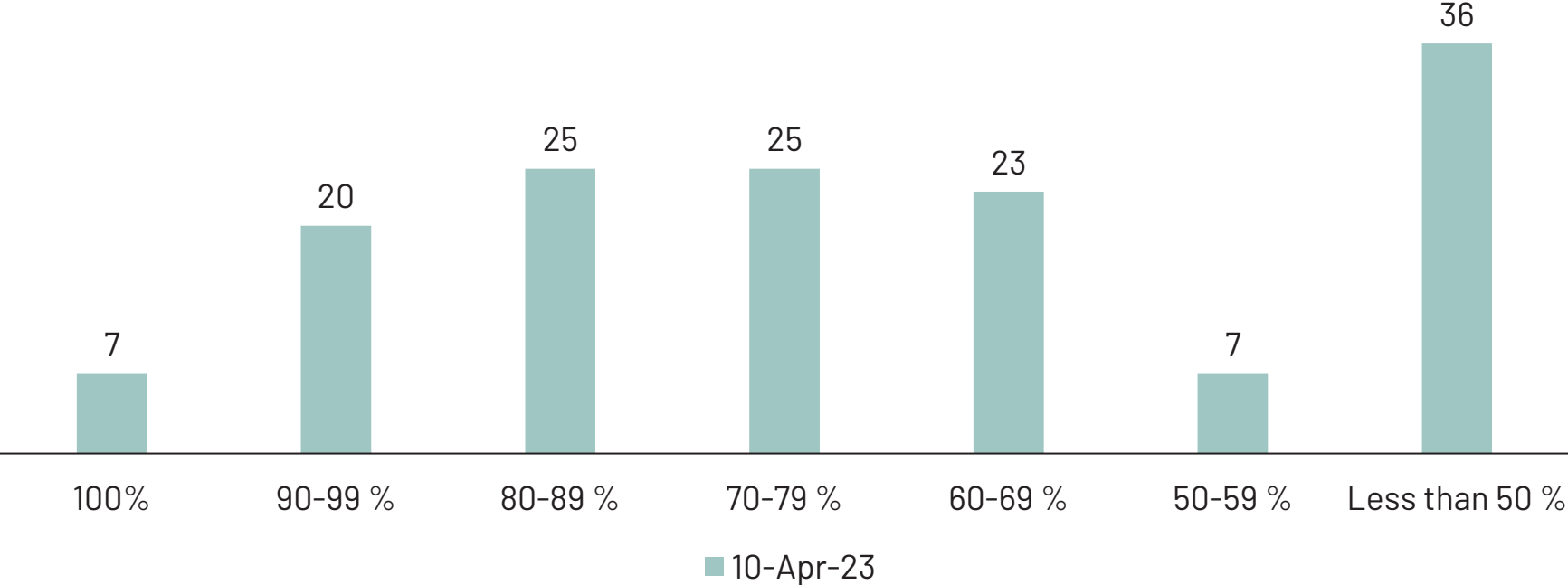
3.1.1. Status of Sewerage Networks in Progress

Order
Para No.
3.3.1

573 Colonies where laying Sewer Network in progress

Physical Progress of 143 Colonies

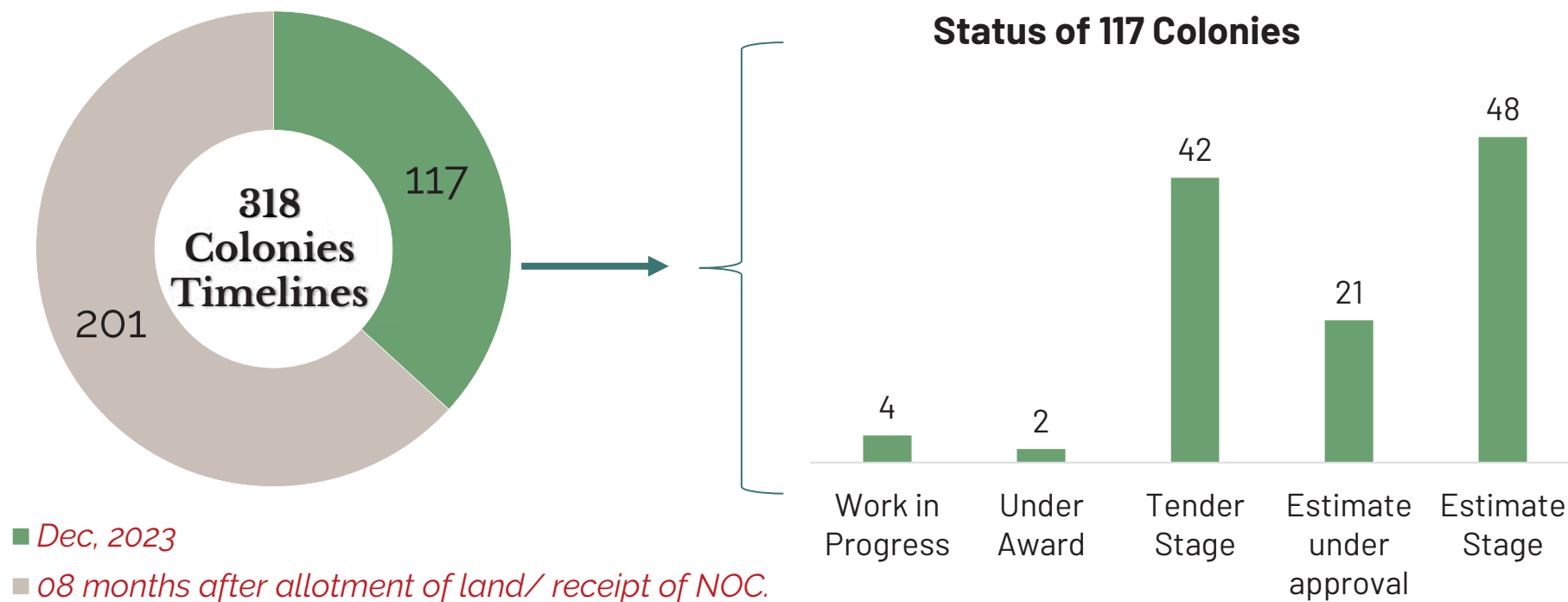
“Timeline: Jun, 23”



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

Order
Para No.
3.3.1

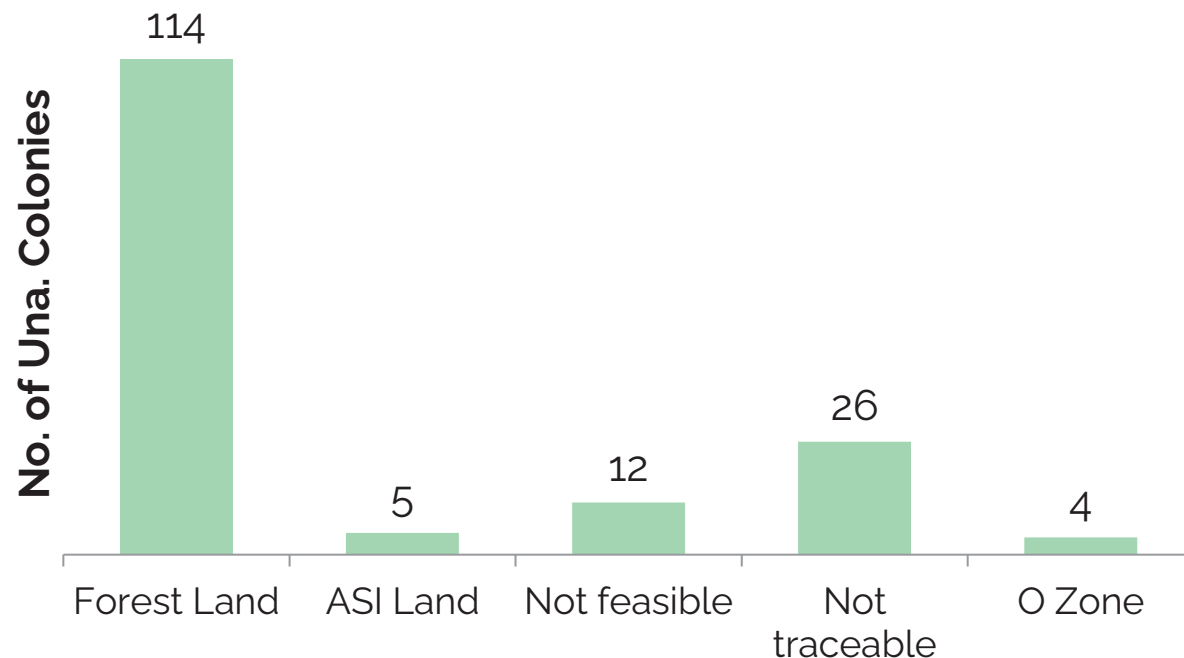
318 Colonies where sewerage network is to be laid along with Decentralized STPs



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

Order
Para No.
3.3.1

161 colonies where NOC is awaited/O-Zone



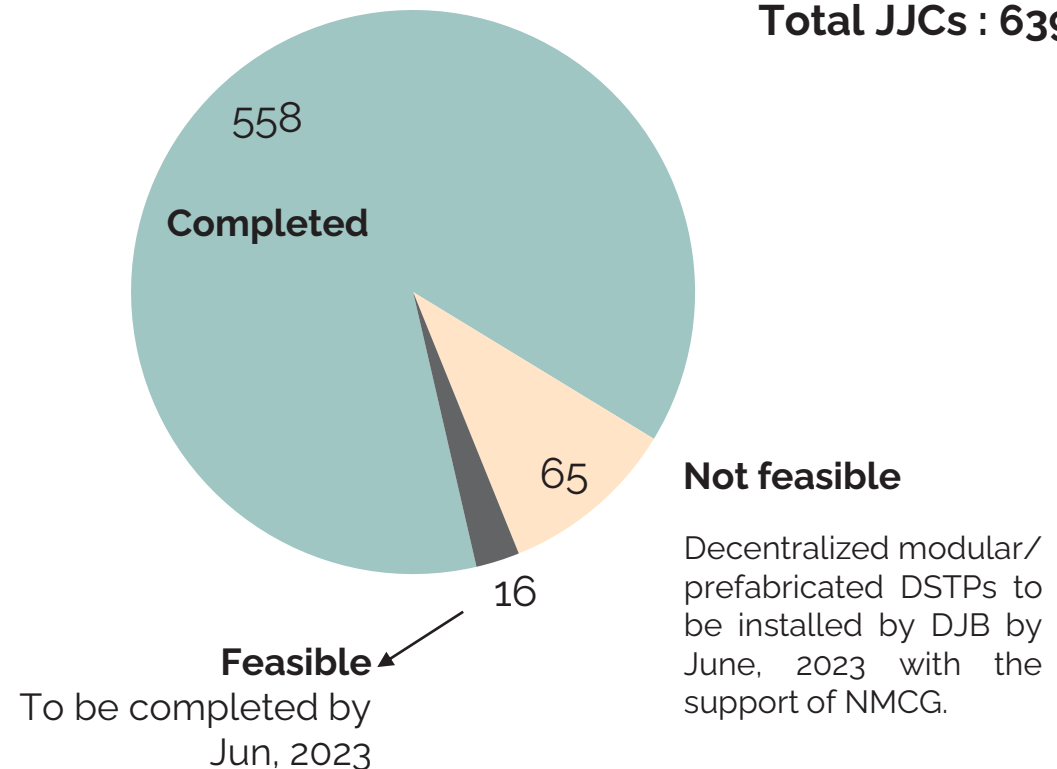
"Timeline for 161 Colonies where NOC is awaited / O Zone : 12 months after receipt of NOC but not later than June, 2024"

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

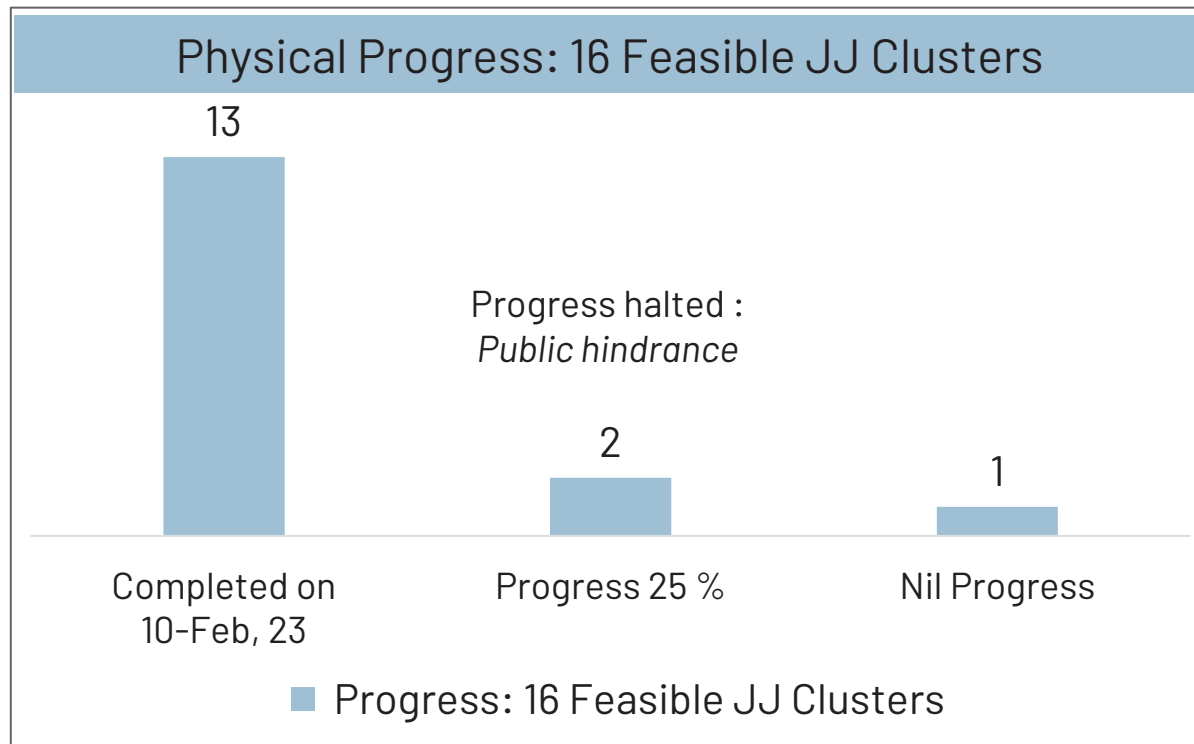
- Connection of storm water drain at outfall points/ points of JJC's into nearest DJB sewerage system.
- **Timeline: Jun, 2023**



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

Order
Para No.
3.3.2

Progress in JJ Clusters



Status of 65 not Feasible JJ Clusters

06 JJC drains connected to sewerage network/ ISP and in 59 remaining JJC's, survey work carried out and completed.

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

Order
Para No.
3.3.2

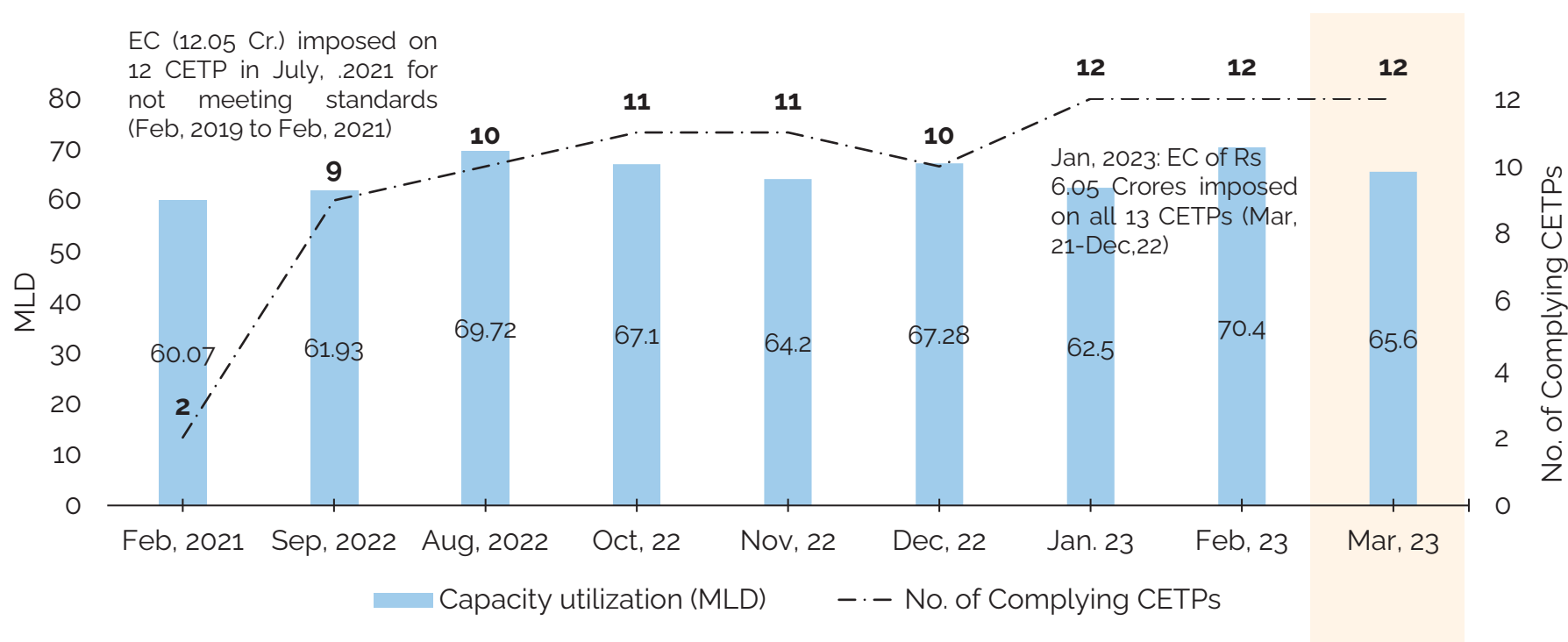
Progress in JJ Clusters

S.No	Status	No. of JJ Clusters
1	Connected/Trapped in DJB network	6
2	DPR is in advance stage of preparation for installation of DSTP	37
3	Sewer line work is in progress in the vicinity. Thereafter drain will be trapped in DJB sewerage network by maintenance wing.	3
4	Not feasible due to space constraints and multiple outfalls etc.	18
5	Site does not exist	1
		65

4. Industrial Effluent Management by CETPs (13)

CETPs designed to meet prescribed standards under EP Act (Installed Capacity of all the 13 CETPs: 212.3 MLD)

DPCC monitors CETPs on monthly basis



4.3. Inspection of WPIs and take strict actions against violating units

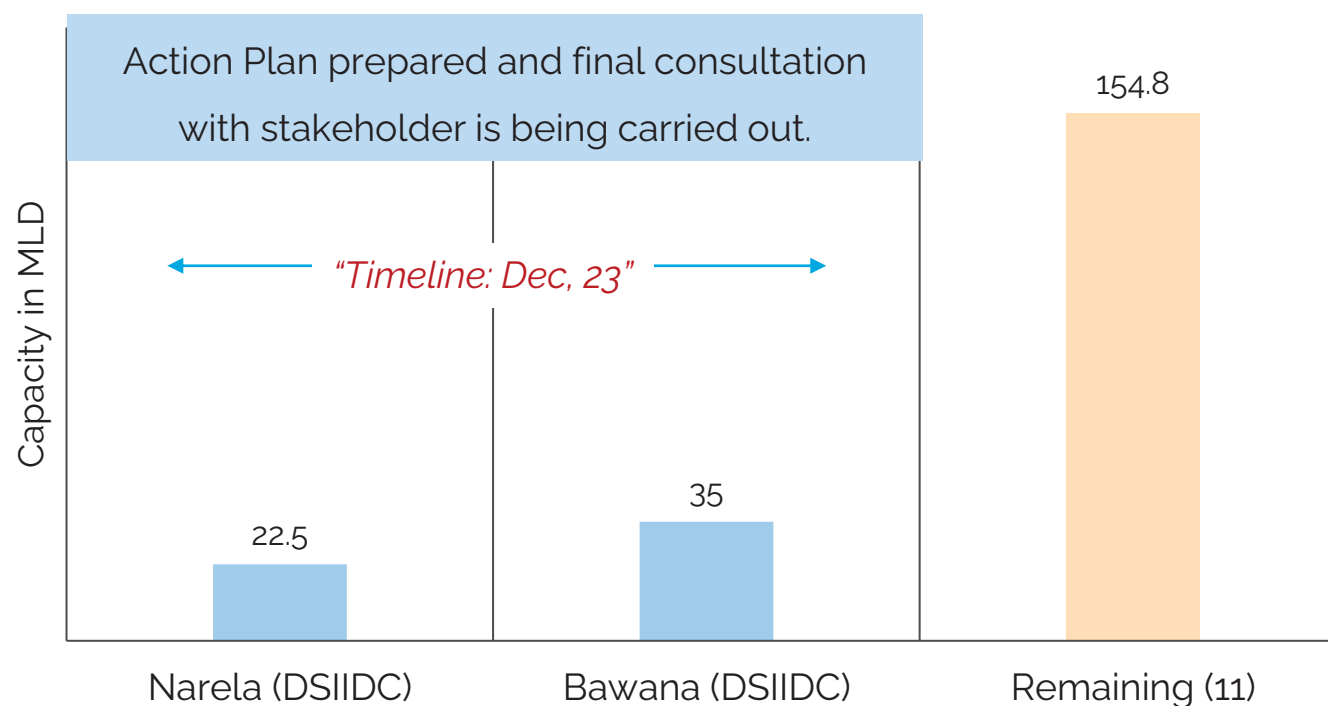
**Order
Para No.
3.4 (iv)**

**Inspections conducted at 35 Water Polluting Units at Lawrence Road during 14.03.2023 to
20.04.2023**

- ✓ No. of Inspections conducted: 35
- ✓ Found complying

4.1. Upgradation of CETPs with Timelines

Order
Para No.
3.4



DSIIDC informed on 12.04.2023 that proposal for handover of all 11 CETPs to DJB has been approved by Honourable LG.

Chief Secretary has chaired a meeting to reconsider the matter and the final decision in this regard is being awaited.

5. Faecal Sludge (Septage) Management

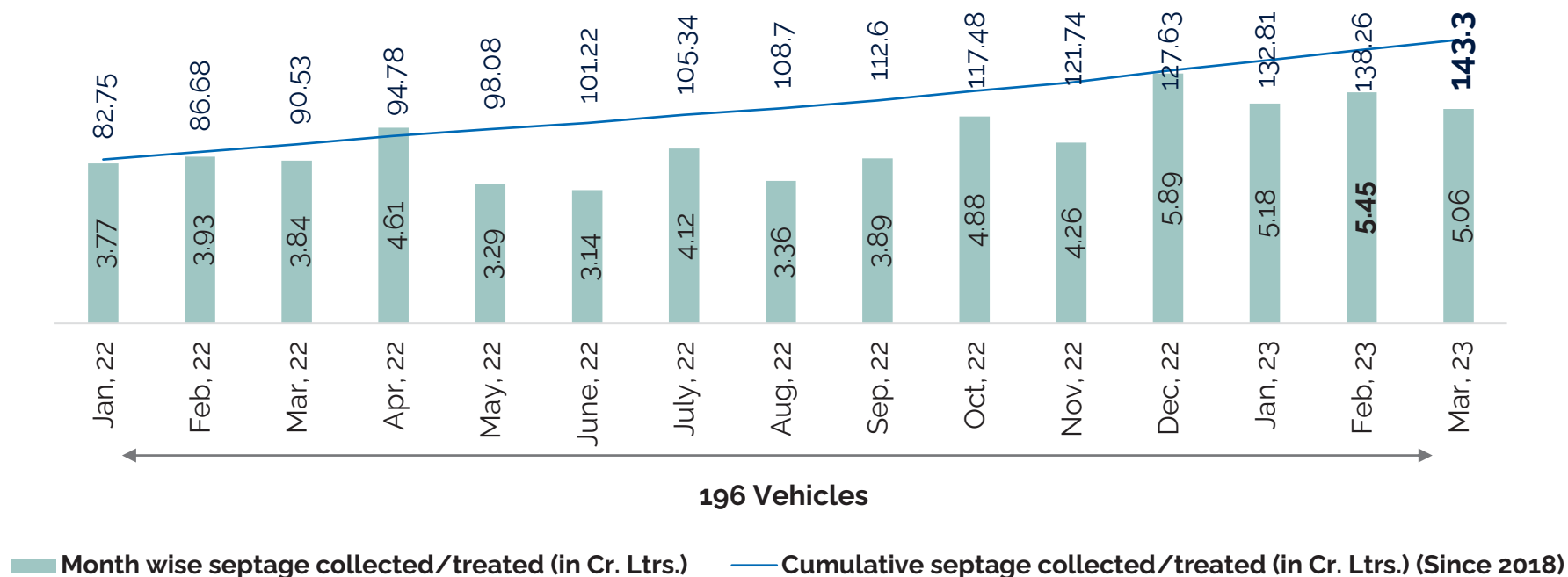
- **Delhi Water Board Septage Management Regulations 2018** dated **12.11.2018** for collection, transportation and disposal of waste of septic tanks (Septage).
- Necessary action to be taken by DJB , District Magistrates & Local Bodies
- **Septage Management Committees headed by concerned District Magistrates**

Action Taken Report	05.03.2023-05.04.2023	Cumulative
Total No. of Meetings of Septage Management Committees held	5 (South)	85
No. of Vehicles/ Tankers found unauthorizedly discharging septage into Drains etc.	7 (East, Central)	57
No. of Vehicles/ Tankers impounded	7 (East, Central)	53
No. of Challans/notices issued	0	22
Total Amount of Environmental Compensation Imposed & received	0.7 (East, Central)	13.47 Lakhs

5.1. Faecal Sludge (Septage) Collection & Treatment

Order
Para No.
3.5

138.26 Cr. Ltrs collected/treated till Mar, 23



"196 Vehicles to be reduced to 150 by June, 2023"

5.2. Septage Management Regulations 2018

Order
Para No.
3.5

"A Committee under chairmanship of Div. Comm, Revenue Department and consisting of CEO, DJB, Comm. MCD as member and Secy. UD as member cum-convenor, to revisit the Delhi Water Board Septage Management Regulations 2018 to make them more effective & enforceable."

Direction	Timeline	Status
<i>Report to be submitted</i>	15 Feb, 2023	DJB vide letter dated 13.04.2023 has provided copy of report of the committee of the meeting held on 28.0.2.2023 along with proposed amendments in the existing "Delhi Water Board Septage Management Regulation 2018". Recommendation of the Committee will be placed before Board meeting of DJB before forwarding to UD Department.

5.2. Septage Management Regulations 2018

Order
Para No.
3.5

3rd HLC: Urban Development Department, GNCTD to make necessary amendments in the "Delhi Water Board Septage Management Regulations, 2018" and explore the possibility of giving incentives to the authorized tankers for disposal of septage at designated SPSs/STPs.

CS Direction: DPCC may utilize power of imposing Environmental Compensation on defaulters

DPCC: Direction issued u/s 33(A) of Water Act on 27.03.2023

- Penalty for deposit of septage by unauthorized (unlicensed) entity: 50,000/-*
- Penalty for disposal of Septage at places other than designated places: 50,000/-*
- Penalty on person who uses services of unlicensed vendor/vehicles: 10,000/-*

Competent Authority : DM, Delhi Police, MCD and DJB

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

Order
Para No.
3.6

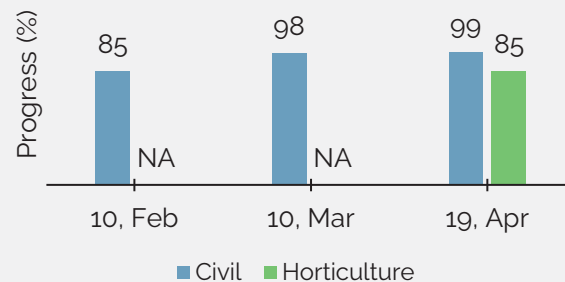
1. Kalindi Aviral : 263 Ha

Part A: 100 Ha

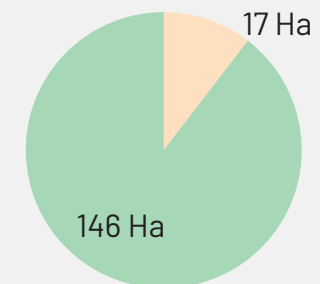
Completed

Encroachment
Free

Part B: 163 Ha inclusive of Baansera *(Feb, 23)*



Part of restoration work damaged due to ongoing NCRTC works



■ Encroached ■ Encroachment free

17 Ha. under litigation | Next date of hearing 26.04.2023
Conceptual proposal is under process

Kalindi Aviral (PART A 100 ha- Before and Today)

Order
Para No.
3.6



Ongoing construction works for RRTS Project

Kalindi Aviral (PART B- Baansera- Before and Today)

Order
Para No.
3.6

Waterbody



Before



Today

Top plateau



Before



Today

Kalindi Aviral (PART B- Baansera- Before and Today)

Order
Para No.
3.6

View towards
the river



Before



Apr, 23

From top
plateau



Before



Apr, 23

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

Order
Para No.
3.6

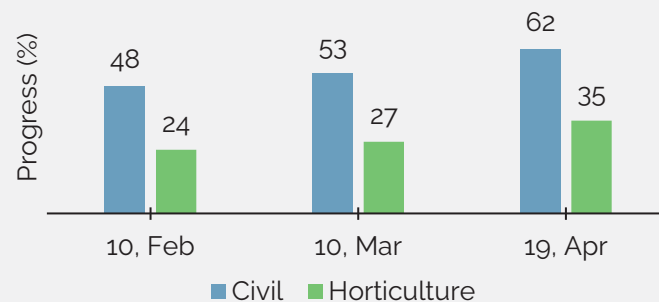
2. Asita East : 197 Ha

PART A: 90 Ha

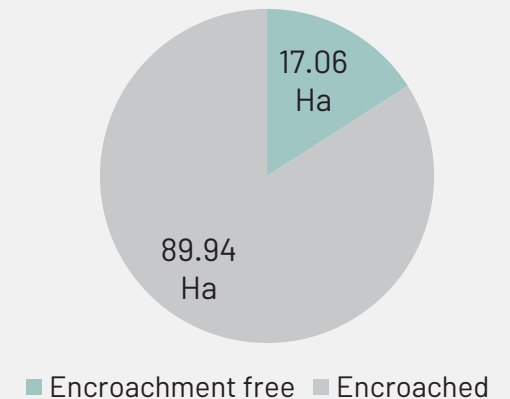
Completed

Encroachment
Free

PART B: 107 Ha (Mar, 2023)



Work delayed due to flooding & sludge site, construction ban by CAQM



Demolition fixed on 20.04.2023 & 21.04.2023
(Next date of hearing 25.04.2023)

Asita East: Part A (90 Ha)

Order
Para No.
3.6



BEFORE

Entrance to Asita East

Asita East: Part B (90 Ha)

Order
Para No.
3.6

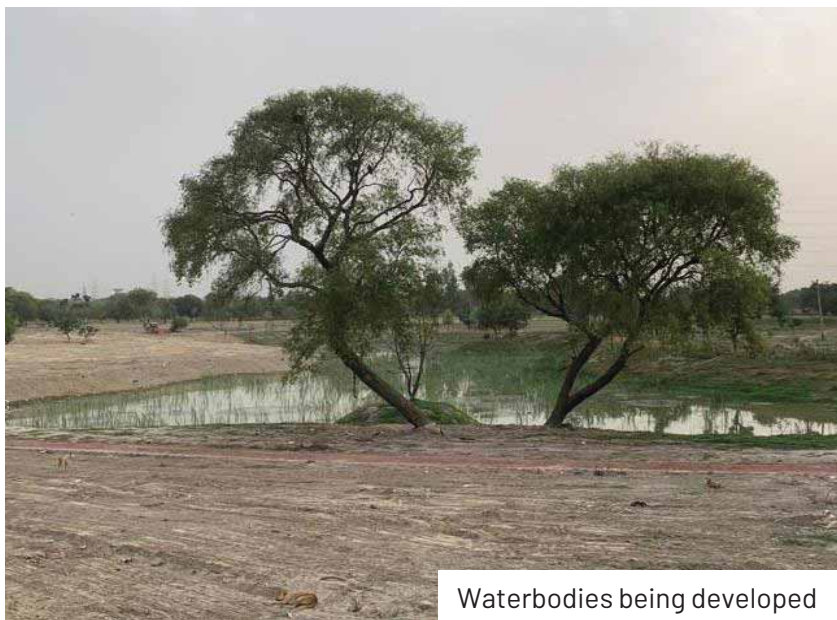
BEFORE



AFTER

Asita East: Part B (107 Ha)

Order
Para No.
3.6

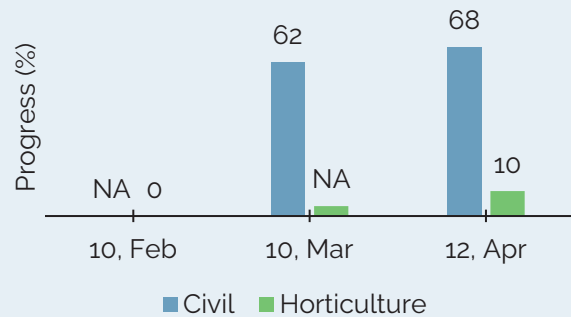


6. Status of 10 Projects of DDA (Restoration & Rejuvenation of Flood Plains and Removal of Encroachment)

Order
Para No.
3.6

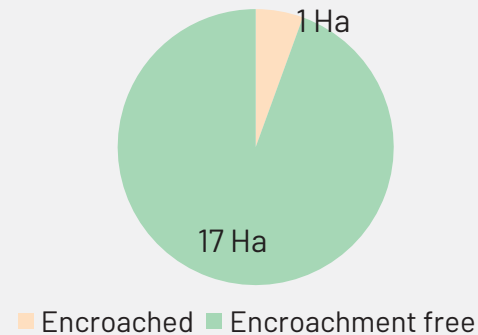
3. Amrut Bio Diversity Park- : 116.5 Ha

Part A: 90 Ha (Mar, 23)



Encroachment Free

Part B: 18 (May, 23)



Under litigation
Next date of hearing 12.09.2023

Part C: 8.25 (Dec, 23)

Handed over to CPWD

Amrut Biodiversity Park (PART A 90 Ha- Ongoing works)

Order
Para No.
3.6



Waterbodies being developed



Pathways and parking being developed



Amrut Biodiversity Park (PART A 90 Ha- Ongoing works)

Order
Para No.
3.6



Pathways and parking being developed



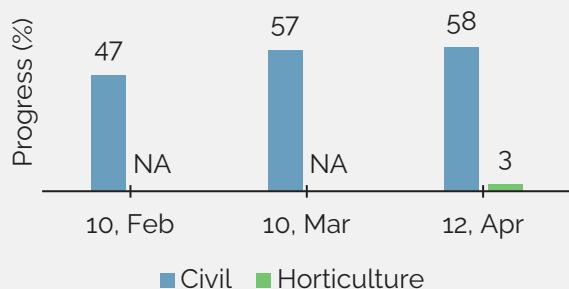
Waterbodies being developed

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

Order
Para No.
3.6

4. Ghat Area: 66 Ha

Part A: 16 Ha (Qudsia Ghat) *(Apr, 23)*



Horticulture work awarded on 3.04.2023

Part B: 13.6 Ha (Surghat) *(July, 23)* Part C: 3.4 Ha (Yamuna Bazar) *(Dec, 23)*

- Work awarded on 01.03.2023
- Work to be undertaken:
 - Waterbody
 - Parking
 - Eco-trail,
 - Chattris
 - plantation work

4.90 Ha Encroached

Next Date of Hearing: 28.04.2023, 07.07.2023, 07.08.2023 & 26.05.2023

Ghat Area: Part A (Qudisia Ghat) – Ongoing works

Order
Para No.
3.6



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

Order
Para No.
3.6

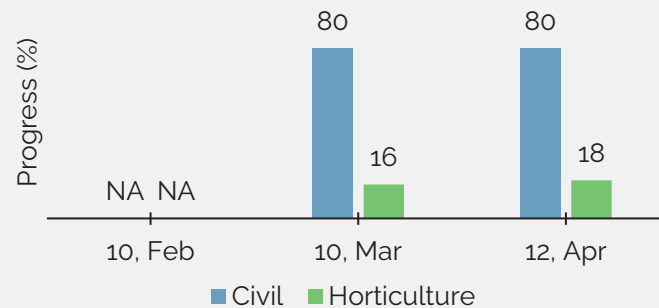
5. Asita West : 200 Ha

PART A: 93 Ha

Completed

Encroachment
Free

PART B: 107 Ha *(Jun, 2023)*



Encroachment
Free

Matter disposed off 695
Jhuggies demolished.
Demolition successfully carried
out on 28.03.2023 & 29.03.2023

Asita West : Part A : 93 Ha

Order
Para No.
3.6



Asita West : Part B

Order
Para No.
3.6



Waterbodies being developed



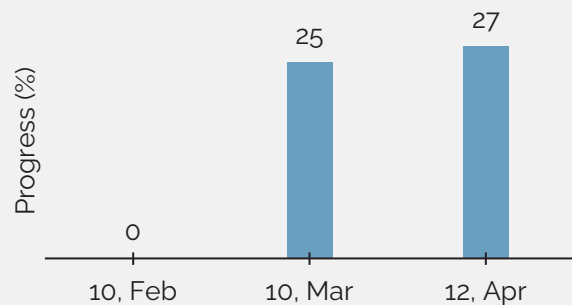
Kaccha pathways being developed

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

Order
Para No.
3.6

6. Kalindi Biodiversity Park : 115 Ha

"Timeline : Within 9 months after completion of on-going NHAI project, by CEMDE"



3 Wetlands completed out of 11
Work held up due to NHAI work

Assessment of project area under litigation and encroachment underway

Kalindi Biodiversity Park – Constructed wetland

Order
Para No.
3.6



Kalindi Biodiversity Park

Order
Para No.
3.6



Before



After restoration works



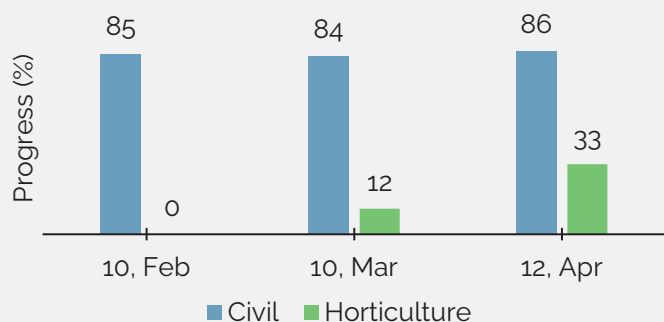
Ongoing construction works by NHAI

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

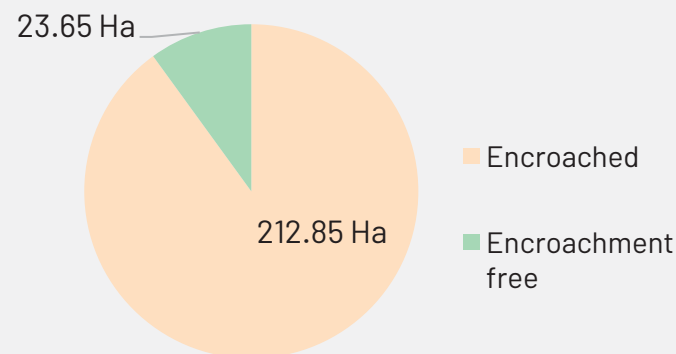
Order
Para No.
3.6

7. Yamuna Vanasthali: 236.5 Ha

Timeline : May, 2023



Excavation of water bodies and pedestrian pathway work completed



Demolition has been fixed on 26.04.2023.
10 Ha. under litigation.
Next Date of Hearing 04.07.2023, 10.08.2023

Yamuna Vanasthali

Order
Para No.
3.6



Before



Apr 2023



Water-bodies being developed



Kaccha pathway

Yamuna Vanasthali

Order
Para No.
3.6



Before



Apr 2023



Water-bodies being developed



Kaccha pathway

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

Order
Para No.
3.6

8. Mayur Nature Park:

25% Area cleared
Exact area under
litigation to be
ascertained.

Next drive of
Demolition shall be
carried out till
28th April 2023

Next date of hearing-
19.07.2023 &
08.09.2023

8. Mayur Nature Park: 397.75 Ha

Part A: 235 Ha

Part B: 162.75 Ha

Land demarcation completed.
Landscape Proposal is ready.

LM Department informed that 100
Ha Land de-notified

9. Hindan Sarovar: 45 Ha

Part A: 15 Ha

Part B: 30 Ha

"Timelines: Dec, 23"

Encroachment Free

Area is being entrusted to forest
Department for development

*3rd HLC: DDA may approach NMCG for
funds for afforestation in Hindon Sarovar
project*

Mayur Nature Park– Existing site situation

Order
Para No.
3.6



Encroachments



Nurseries



Unauthorized agricultural activities

Hindon Sarovar- Existing site situation

Order
Para No.
3.6



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

Order
Para No.
3.6

10. Eco-Tourism area: 30 Ha

*22.7 Ha land is with DDA
7.3 Ha land is with DTC*

The High Court orders dated 15/03/2023 states Matter disposed off and Demolition drive successfully completed on 20/03/2023.

Area falls outside 1 in 25 Year floodplain.

Proposal will be taken once the O-II is finalised after notification of MPD 2041

Made Encroachment Free

Demolition done on 20.03.2023 and onwards
Next Date of Hearing for judgment: 19.07.2023.

HLC in 2nd meeting directed that all cases be clubbed.

Eco-Tourism- Existing site situation

Order
Para No.
3.6



Fly ash area



Fly ash area

Eco-Tourism- Existing site situation

Order
Para No.
3.6



Fly ash area



Fly ash area

6.2. Land at River Yamuna flood plain to NMCG

**Order
Para No.
3.6.2**

Direction	Timeline	Status
<i>To identify and allot a piece of land at River Yamuna Flood Plain to NMCG for development of a biodiversity park by NMCG</i>	Feb, 2023	As per an email received, NMCG is requesting an area for developing a Ghat. Joint inspection is to be undertaken. Response awaited from NMCG regarding joint inspection. DDA has proposed ITO Chhat Ghat to NMCG, matter is under progress.

7. Utilization of Treated Wastewater

Order
Para No.
3.7

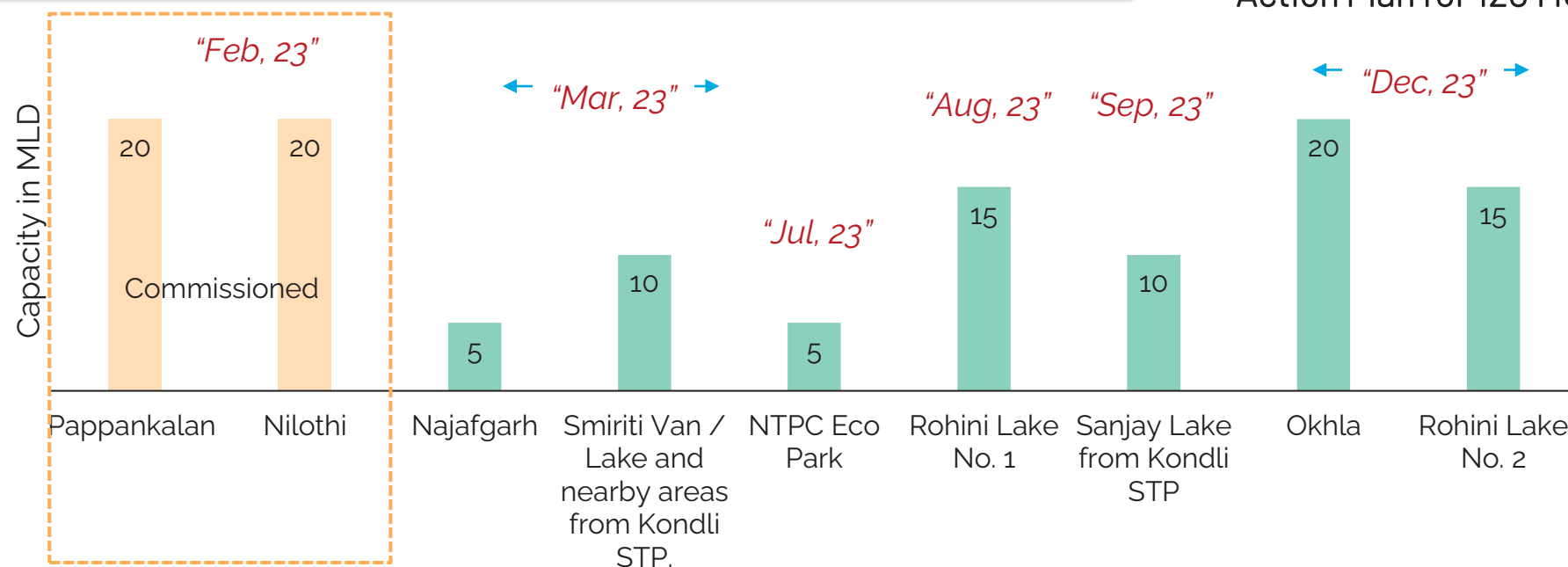
Action Plan by DJB (580 MGD)



7.1. Action Plan for Utilization 120 MGD Treated Wastewater

Order
Para No.
3.7

Action Plan for 120 MGD)

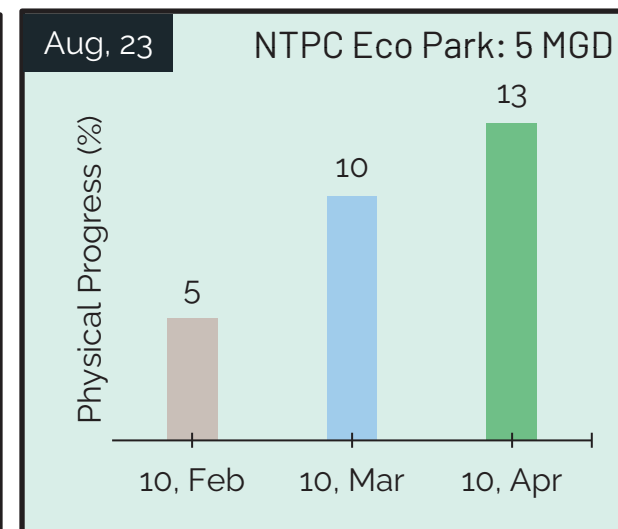
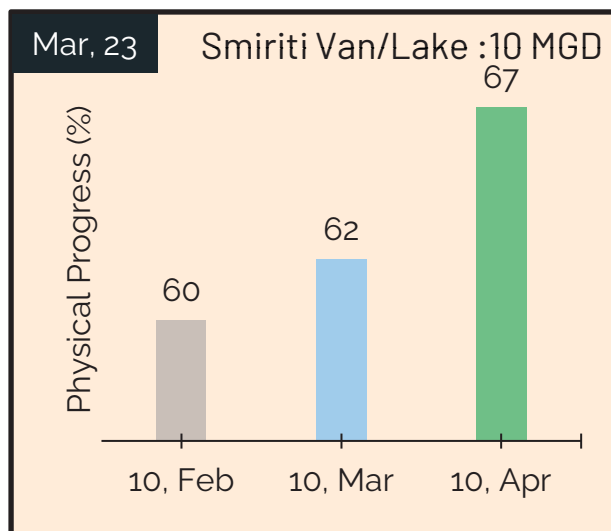
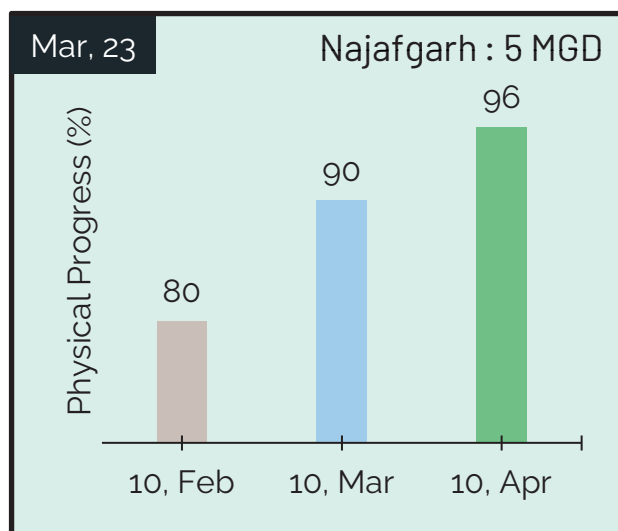


DJB is also exploring the possibility of using treated STP Water in other usages like in Farm houses, Golf courses, Construction activities etc. and have already made available treated water at its STPs @ Rs 7/ Kilolitre.

7.1. Action Plan for Utilization 120 MGD Treated Wastewater

Order
Para No.
3.7

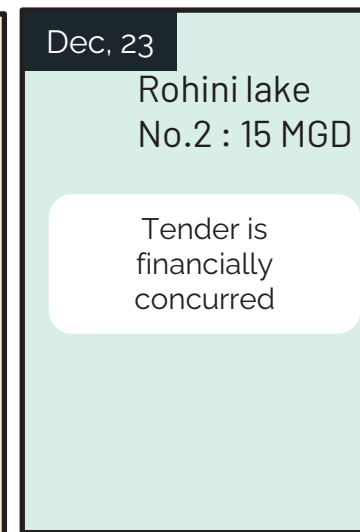
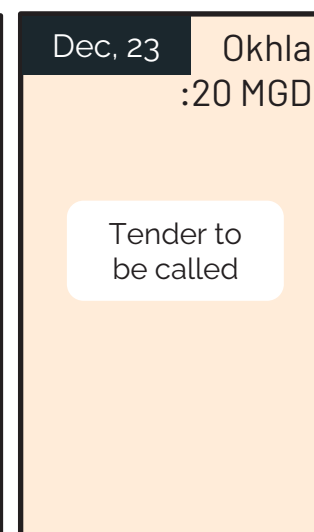
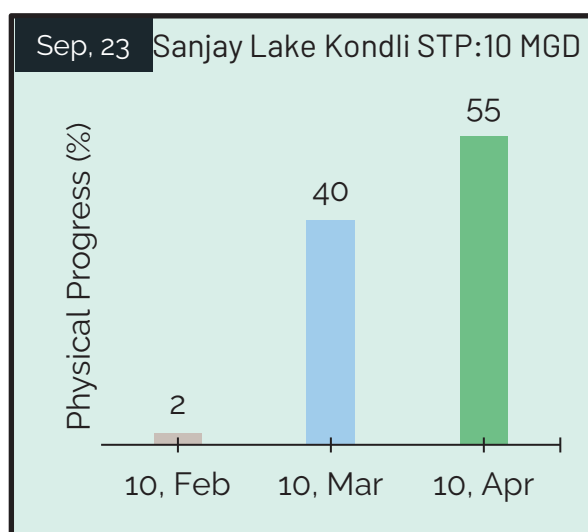
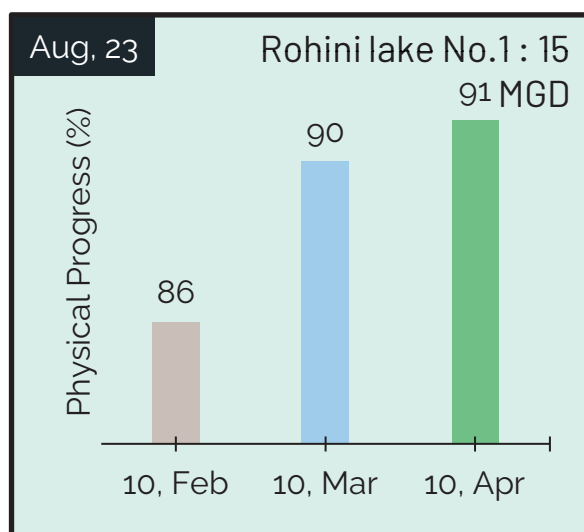
Action Plan for 120 MGD)



7.1. Action Plan for Utilization 120 MGD Treated Wastewater

**Order
Para No.
3.7**

Action Plan for 120 MGD)



8.1. Company of Territorial Army to be provided by NMCG

**Order
Para No.
4.3**

Progress/Status:

- One Platoon of company consisting of One officer, 02 JCOs and 31 other ranked deployed on 17.02.2023 in accommodation provided by I&FC.
- NMCG vide letter dated 24.02.2023 asked to provide accommodation for another 02 platoons of GTF for at least one year.
- Meeting by DG conducted on 02.03.2023,
- DUSIB shelters/ sheds would be provided in the flood plain area and accommodation far away from flood plain is not recommended.

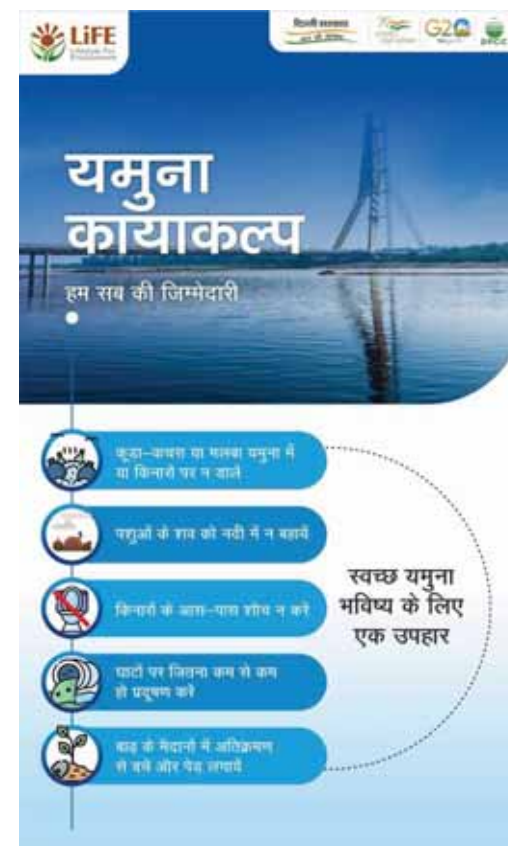
Letter received from NMCG dated 10.04.2023 informing that accommodation of two platoons have been arranged by IFCD

8.2. Campaign for Awareness and Involvement of Public

Order
Para No.
4.6

- *"Annual calendar of IEC activities be submitted by all agencies to the Convenor of HLC. (Action: DJB, DPCC, I&F Control and DDA)"*

- **DPCC:** Draft IEC Annual Calendar prepared and submitted to convenor.
- Two meetings with DIP held on 13.03.2023 and 05.04.2023.
- Creatives for IEC campaign prepared.



8.3. Najafgarh Jheel (Environmental Management Plan)

- I. Remedial action for rejuvenation of Najafgarh Jheel (Lake) on Delhi-Gurgaon border. The water body falls partly in NCT Delhi and partly in Haryana.
- II. Hon'ble NGT in its order dated 17.09.2020 EA No. 16/2019 in OA No. 153/2014 directed both Govt. of Delhi and Haryana to submit Environment Management Plan (EMP).
- III. Accordingly, Environment Management Plan (EMP) was submitted to CPCB



8.3. Najafgarh Jheel (Environmental Management Plan)

V. The Hon'ble Tribunal on 21.01.2022 disposed of the matter with following directions:-

"Further action of preparing integrated EMP by the MoEF&CC be taken and till it is done, EMPs prepared for rejuvenation and protection of the lake be enforced by the State of Haryana and the NCT Delhi. Wetland (Conservation and Management) Rules, 2017 be strictly followed" and constituted Inter Ministerial Expert Group in GOI



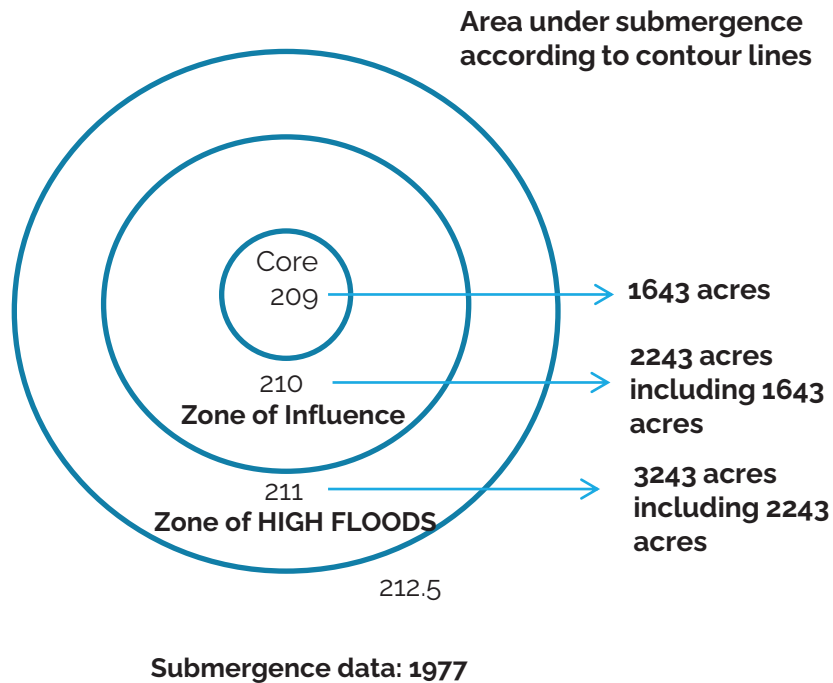
8.3. Najafgarh Jheel (Environmental Management Plan)

- VI. EMP broken into action points and circulated to eight stakeholder departments on 02.03.2022 for ground actions.
- VII. Hon'ble Tribunal further on 16.02.2023 in related cases disposed of the matter with following directions:-

"...that since issue of control of pollution of drains and water bodies impacting Yamuna is now being dealt with in Delhi by a high level Committee headed by L.G. and issue of rejuvenation of Najafgarh Lake is integral to rejuvenation of Yamuna, the same can also be dealt with by the same Committee as far as Delhi is concerned and by the Chief Secretary, Haryana for the areas in Haryana".

8.3. 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)

8.3. Najafgarh Jheel (Environmental Management Plan)

Departments	EMP Actions
1. IFCD	1. Problems related to rejuvenation and flood control. [IM]
2. Forest	2. Maintenance of Biodiversity, its assessment, creation of interpretation center. [LTM]
3. Delhi Jal Board	3. Monitoring of sewage and removal of water hyacinths. [MTM]
4. IFCD/Revenue/Public Works Department	4. Road widening may not be done on the existing road on the embankment. To be rerouted for existing alignment along villages. [MTM]
5. Municipal Corporation of Delhi	5. Identification and maintenance of inflowing drains and their desilting. [MTM]
6. DPCC	6. Water quality monitoring [Data Needs]
7. Power Department	7. Rerouting of transmission lines. [MTM]
8. Development Department	8. Initiatives towards organic agriculture. [MTM]
9. Revenue	9. To formulate a land acquisition model for submerged land near Najafgarh Jheel. [MTM]

9. Decision Taken in 3rd Meeting

Removal of encroachment

Illegal activities (washing of cement/chemical bags, waste dumping etc.) and encroachment at Loha Pul.

DDA to take necessary immediate necessary action for removal of encroachment and provide fencing. DMs/SDMs to also inspect Yamuna flood plain to ensure stoppage of such illegal activities within a week. DUSIB to also take immediate action for removal of its permanent structures on the Yamuna flood plain. Photographs of the site before and after taking action shall be submitted by the above departments to HLC at the earliest.

Loha Pul: Joint Committee of Revenue Department (**North East**), **Delhi Police and DPCC** carried out an inspection on 15.03.2023. Further, Inspections were again carried out on 16.03.2023, 17.03.2023, 22.03.2023 by DPCC officials and again on 23.03.2023 jointly by DPCC and Delhi Police. All Bhattis and Hodis demolished.

- DDA requested on 27.03.2023 for cleaning and fencing of the site.

9. Other Decisions Taken in 3rd Meeting

Loha Pul: Removal of encroachment

Stack of Cement/Chemical Bags



Before

07 - Illegal Bhattis Dismantled



After

9. Decision Taken in 3rd Meeting

Removal of encroachment

North East : Joint inspection in third week of march at 3rd Pusta, Garhi Mendu /Usmanpur in Seelampur

- 4 JCBs, 4 Trucks and 08 maintenance beldars per day for 5 consecutive days to clear an area of 2000 Sqm free from garbage.

East: 11.04.2023

- Removal of 7 scrap dealers and Illegal Cow Shelters

9. Other Decisions Taken in 3rd Meeting

Rain water harvesting through RWHS

Hon'ble Lt. Governor directed DJB to take necessary actions for launching awareness campaign for rain water harvesting through RWHS and its proper maintenance.

District Magistrates will ensure installation of 55000 RWHS (5000 each in each district) in their areas of Jurisdiction. Designs as approved by DJB may be utilized for providing RWHS.

DJB is planning to organize interdepartmental workshops of RWAs and NGOs working towards promotion of sustainable rain water harvesting.

Summary of timelines for next 6 months

Progress made

Date	Desilting (KM)	Existing STP Capacity (MGD)	Additional Capacity (MGD)	Trapping of sub Drains	Sewerage Network UAC 1052/ JJ 81)	Septage Enforcement (196)	Treated Water (MGD)	Flood Plain Regulations	Encroachment Removal
28 th Feb, 23	20 (15.2)	632 (632)	-	09 / 70 7 / 70	03 / 13 27 / 13	196 (196)	Nilothi – 20 (Done)	Kalind Aviral (B) 85%	Asita west
31 st Mar, 23	40 +10 (New) (21.94)	632 (632)	-	20 / 70 12 / 70	102 / 13 42 / 13	196 (196)	15 MGD (Najafgarh 05 + Smriti Van-10) 96 % and 67 %	Kalind Aviral (B) C- 99% H-85% Asita East (Part B) C- 62% H-35% + Amrut Bio Diversity Park (90 Ha)(C-68% H- 10 %)	Amrut Bio
30 th Apr, 23	60 +20 (32.67)	632 (632)	-	23 / 70 21/ 70	116 / 13 93 / 13	196 (196)	-	Qudsia Ghat (16 Ha) (C-58% H- 03 %)	Vanasthali
31 st May, 23	80 + 30	632	-	24 / 70	120 / 13	-	-	Yamuna Vanasthali + Amrut Bio Diversity Park (18 Ha)	Kalindi
30 th Jun, 23	90.34 + 40	727	95 MGD (Kondli: 25, Rithala: 40 & Okhla: 30)	43 / 70	263 / 81	150	-	Asita West (Part B: 107 Ha)	Mayur Nature
Total	130	727	95	43 / 70	263 / 81	150	267 + 90 + 35 = 392		

Way Forward

S.No.	Action Point	Intervention required
1	Allocation of Land by DDA/Revenue for construction of New DSTPs	DDA- 12 parcels Revenue- 07 parcels DUSIB- 01 parcel Delhi Police- 01 parcel to allot land in all pending cases by this month.
2	Desilting of Sewer	Present rate only 10 Km per month To achieve target : 30 Km per month required
3	Sewerage network in 117 Unauthorized Colonies where it has to be laid along with DSTPs	Expedite tender process to achieve targets of Dec, 2023

Way Forward



S.No.	Action Point	Intervention required
4	Lagging Projects requiring immediate attention	1. Upgradation of Rithala Phase -II 2. Restoration Projects ▪ Kalindi Aviral ▪ Asita East (Part B) ▪ Amrut Bio Diversity Park 3. Encroachment Removal ▪ Asita West ▪ Amrut Bio Diversity Park

Department of
Environment, GNCTD



Delhi Pollution
Control Committee



Thank you