



Department of
Environment, GNCTD

Delhi Pollution
Control Committee



3rd Meeting of HLC

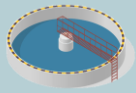
REJUVENATION OF RIVER

YAMUNA

To Review Action Plans and Progress

14th Mar, 2023

HLC Meetings



Preparatory Meeting : 14th Jan, 2023

Preliminary Discussions



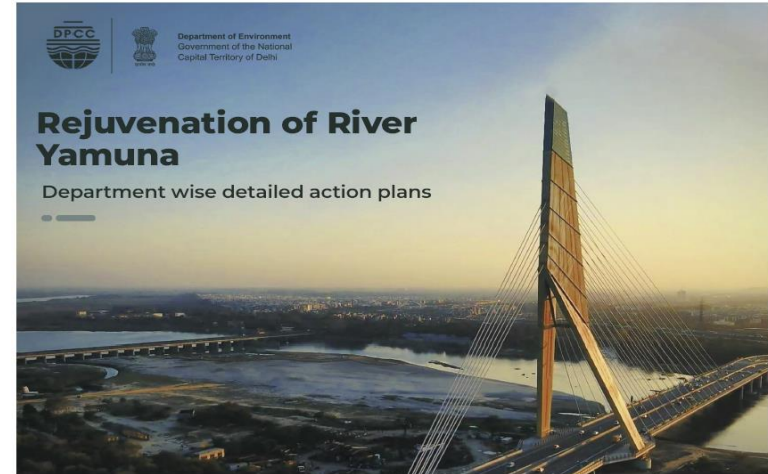
First Meeting : 20th Jan, 2023

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



Second Meeting : 14th Feb, 2023

Reviewed progress



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.***
- *First meeting of HLC within a week and subsequently at least once in every week for next six months.*
- *Committee will deal with all issues as set out in order dated 27.1.2021 (in OA No. 06/2012) and other ancilliary matters*
- *Report to be submitted to Hon’ble NGT by 31.01.2023; which has been submitted.*
- *Action Plan to be prepared covering the points and issues mentioned in report of Yamuna Monitoring committee (YMC) and given in order dated 27.01.2021 in OA No 06/2012.*

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

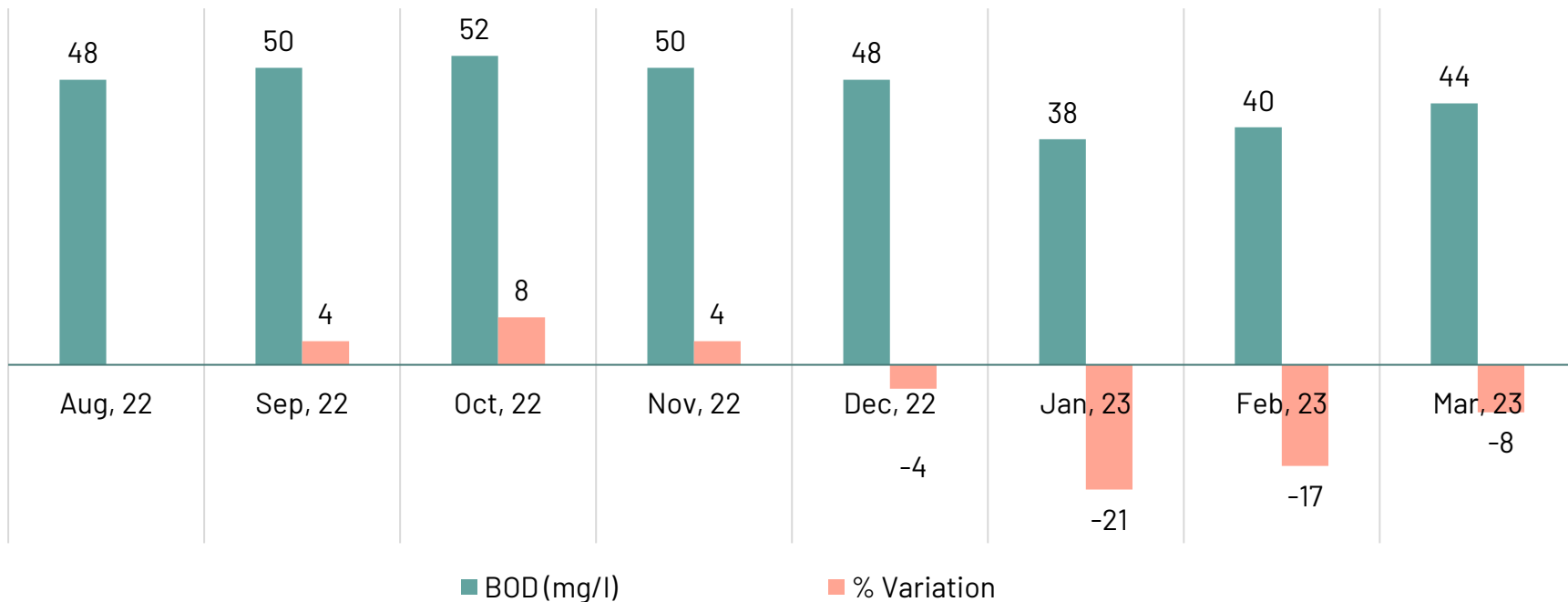
Major Action points

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 Mar, 23)

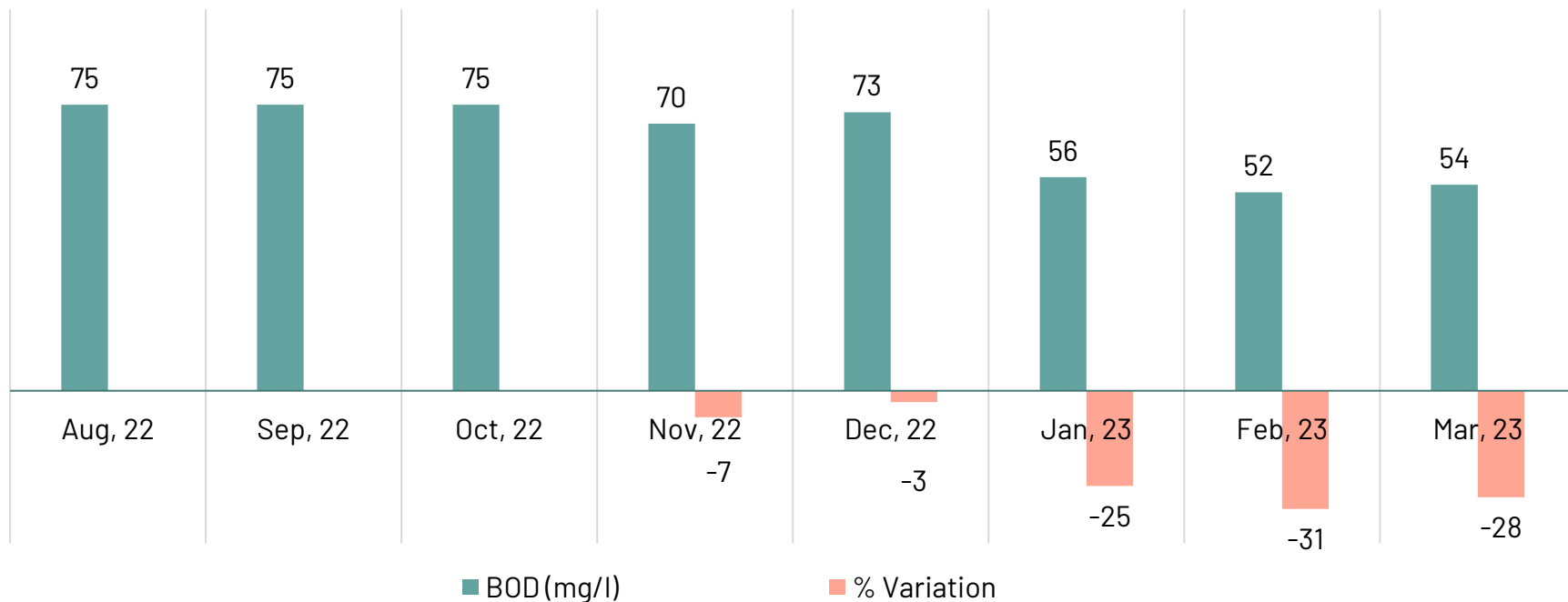
ISBT (After meeting Najafgarh Drain)



Yamuna Water Quality

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

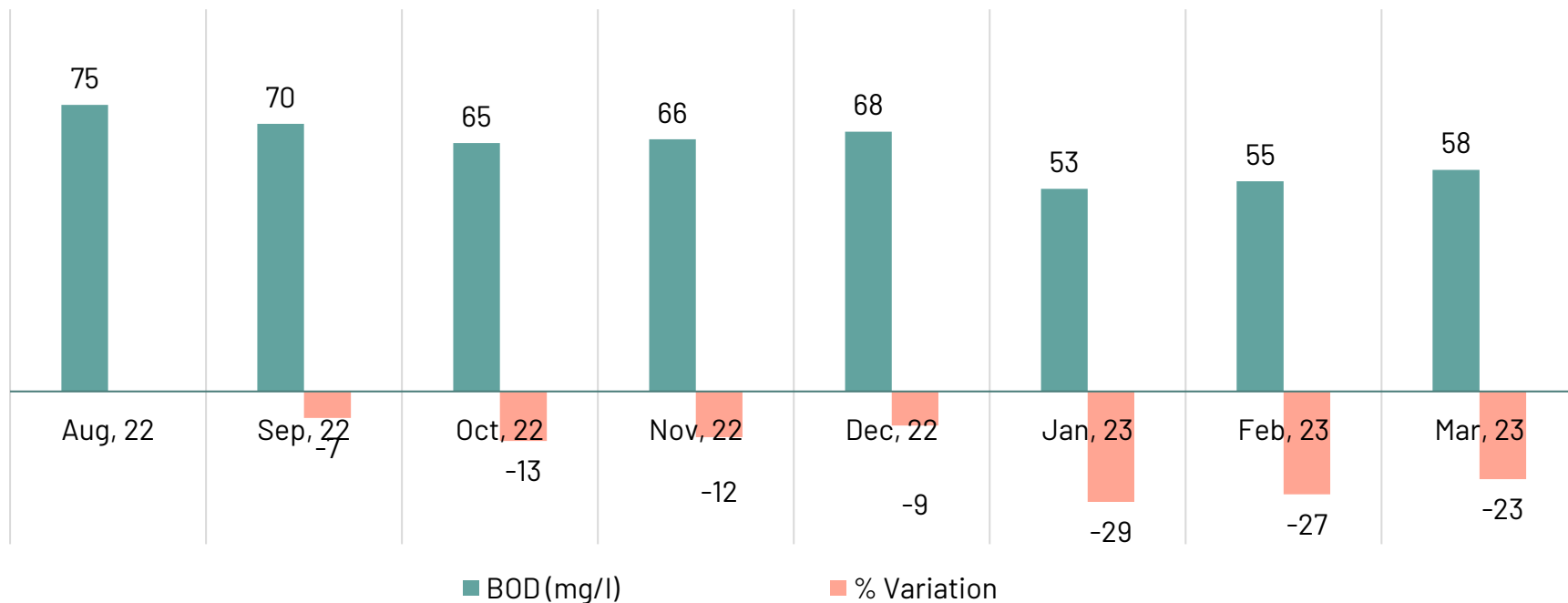
D/s After meeting Shahdara Drain



Yamuna Water Quality

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

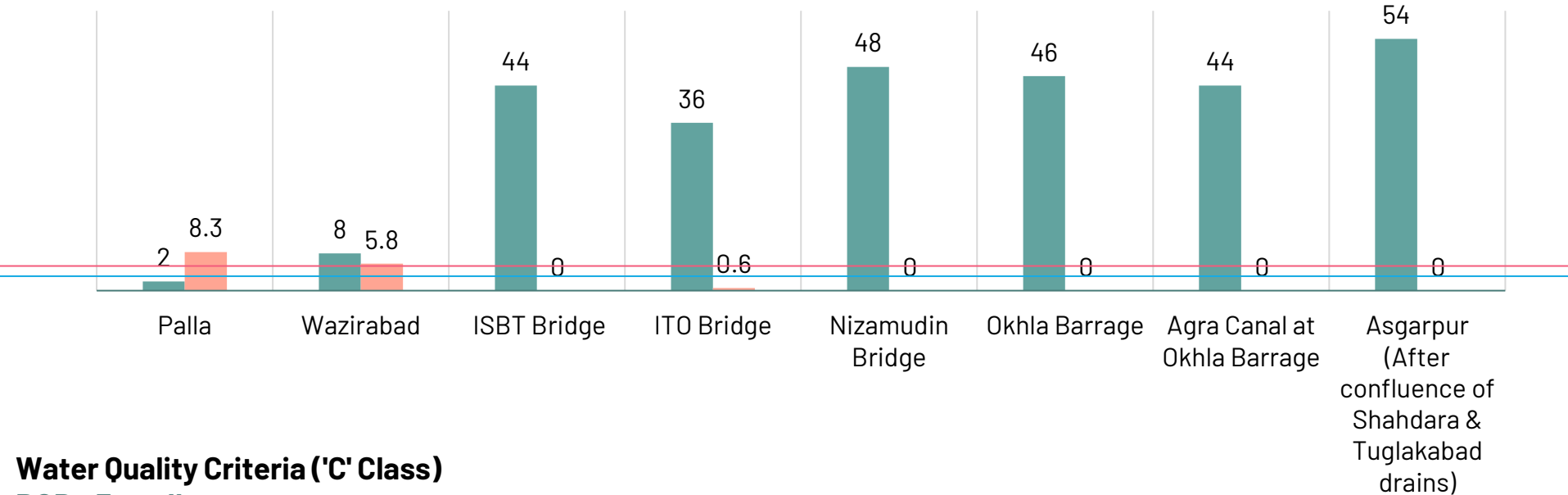
Najafgarh Drain



Yamuna Water Quality

BOD & DO : Mar, 23

9 Locations of River Yamuna in Delhi



Water Quality Criteria ('C' Class)

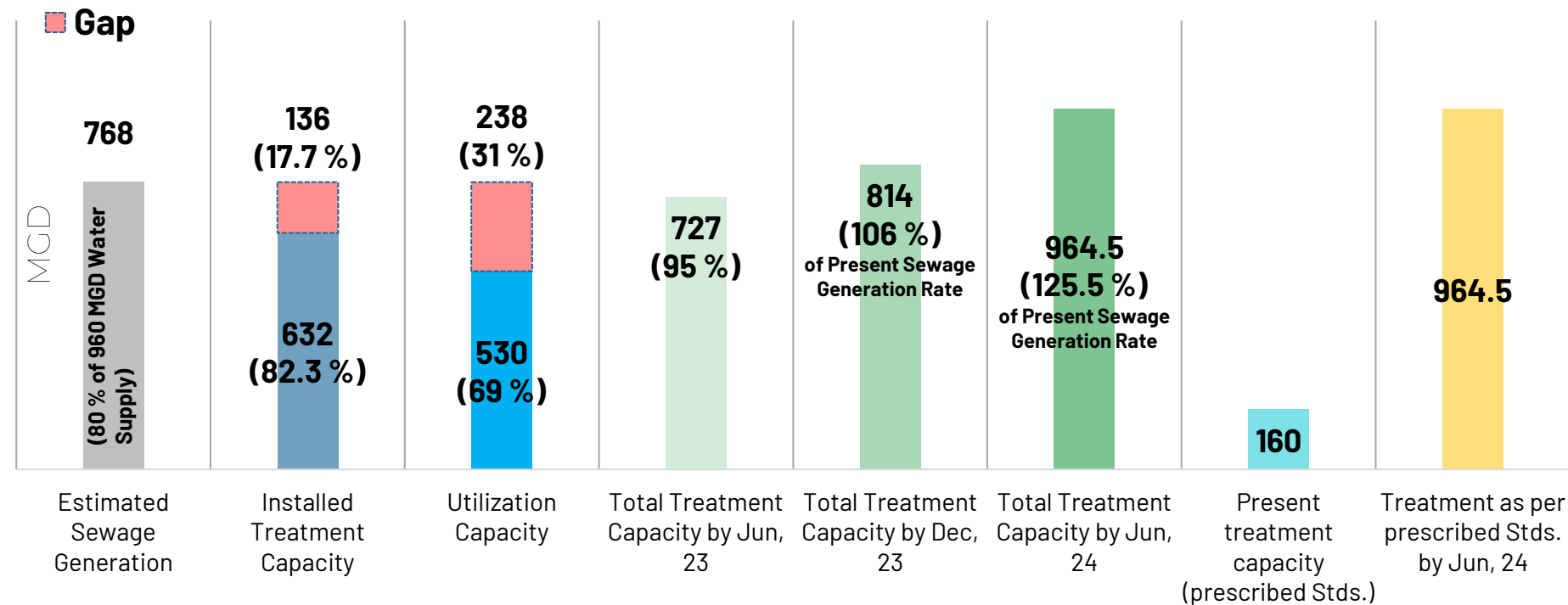
BOD : 3 mg/l

■ BOD (mg/l) ■ DO (mg/l)

DO: 5 mg/l

1. 100 Percent Treatment of Sewage

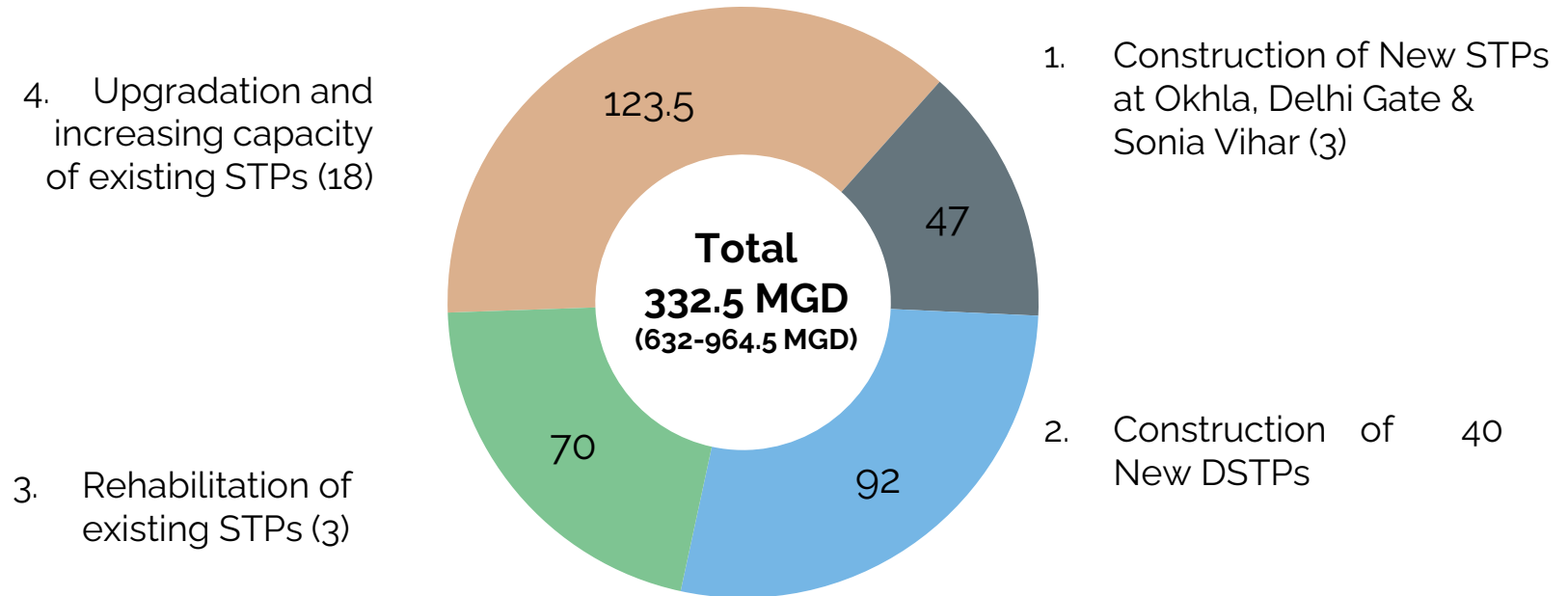
Generation, Treatment and Gap in Sewage Treatment



1. 100 Percent Treatment of Sewage

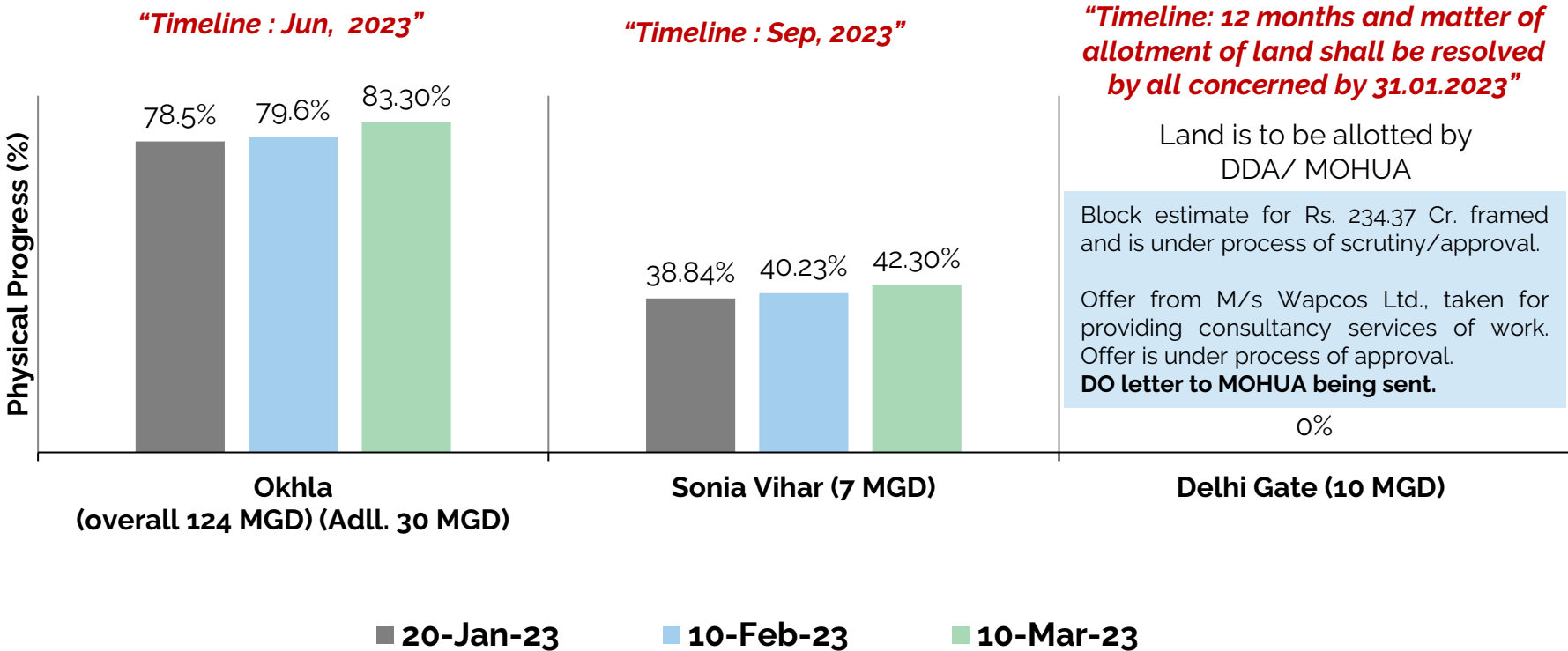
Focus Areas for Enhancing Sewage Treatment Capacity

Timeline : Mar, 24



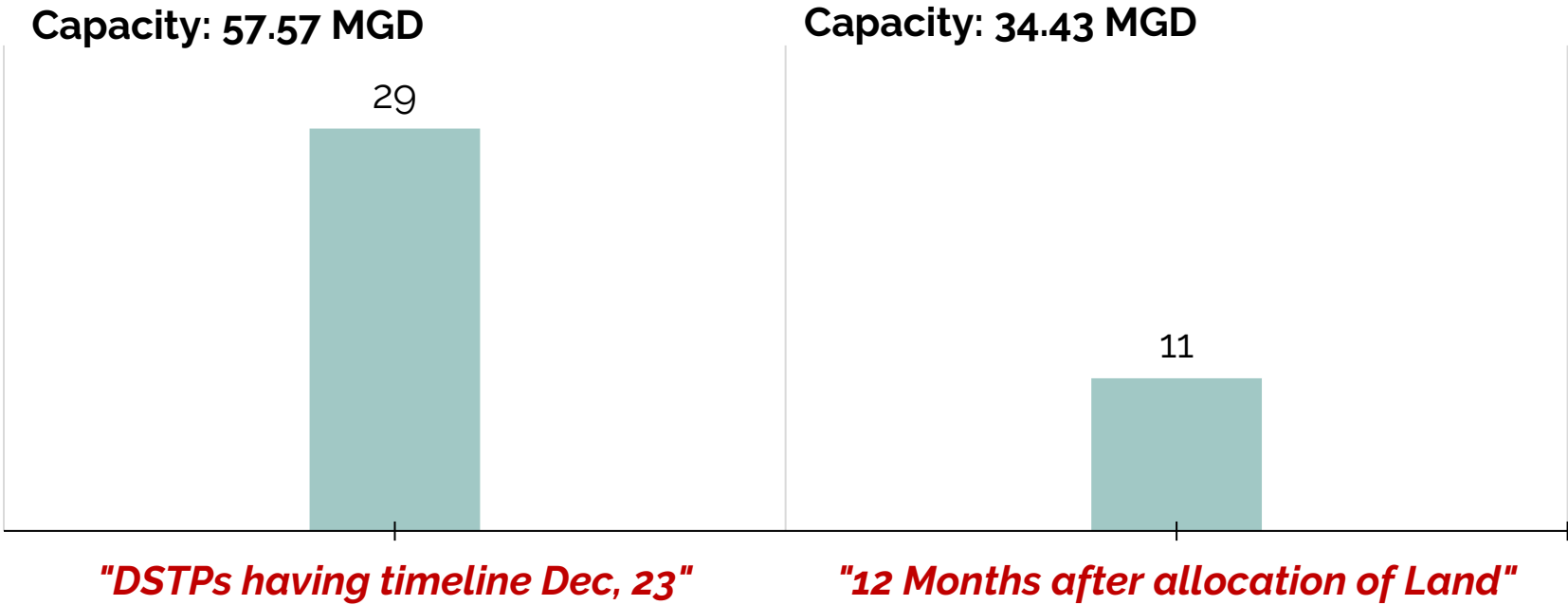
1.1. Progress in Construction of 3 new STPs

Capacity Addition: 47 MGD



1.2. Construction of 40 New DSTPs

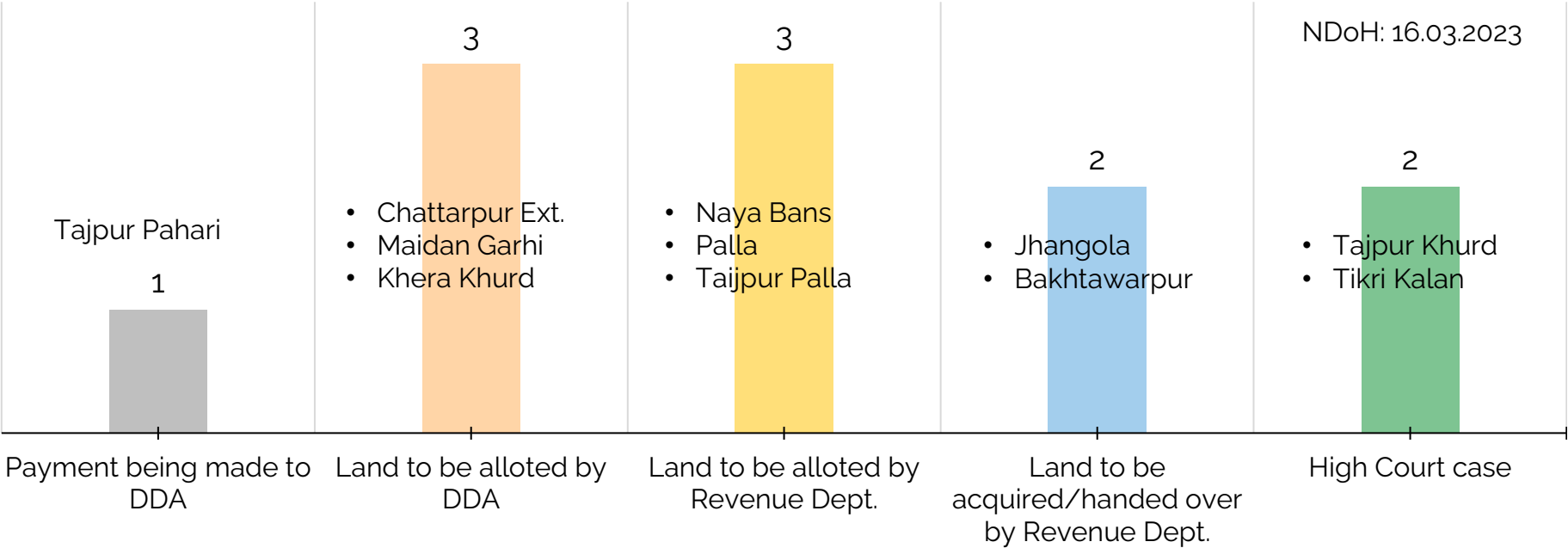
Capacity Addition: 92 MGD



1.2. Construction of 40 New DSTPs

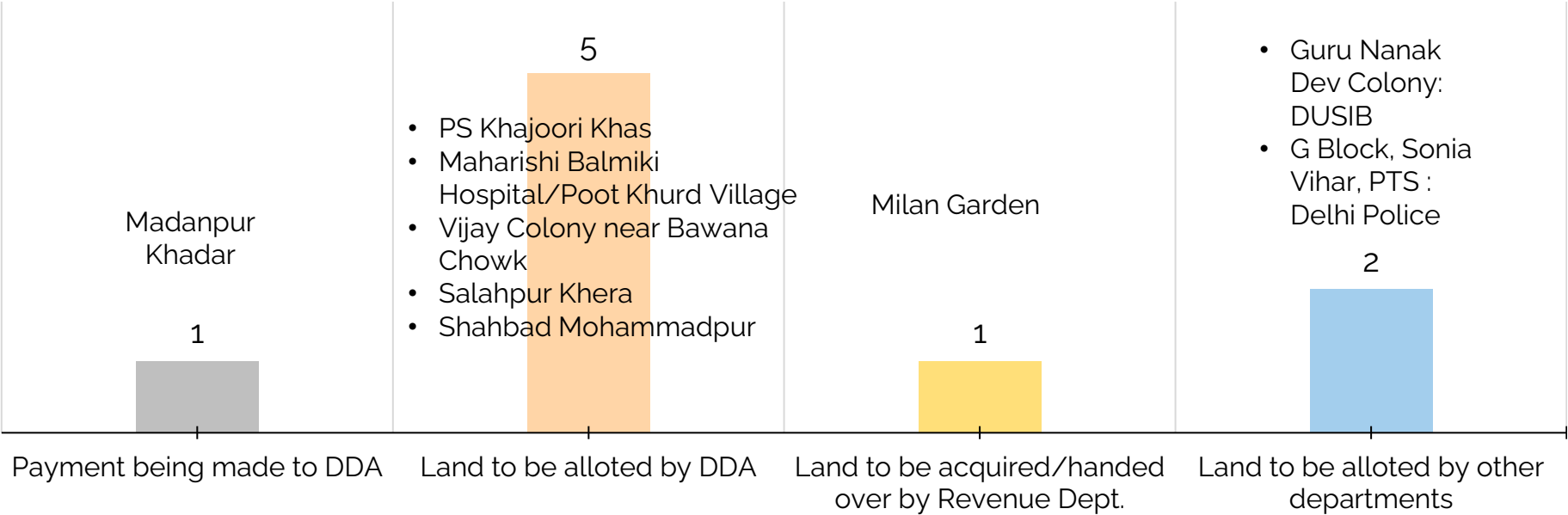
11 DSTPs: Capacity Addition: 34.43 MGD

"Timeline : 11 DSTPs: 12 Months after allocation of Land/ Land to be finalized in a fortnight by DDA/Revenue"



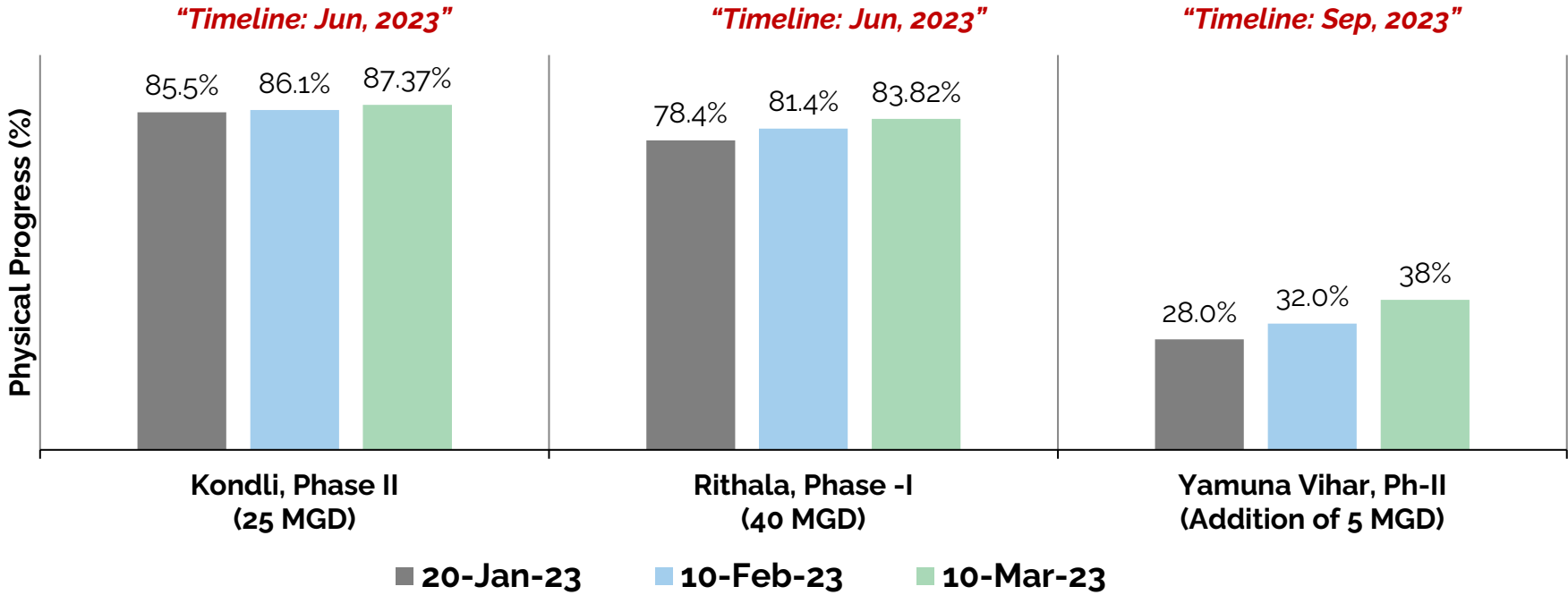
1.2. Construction of 40 New DSTPs

9 SPSs: Land Issue



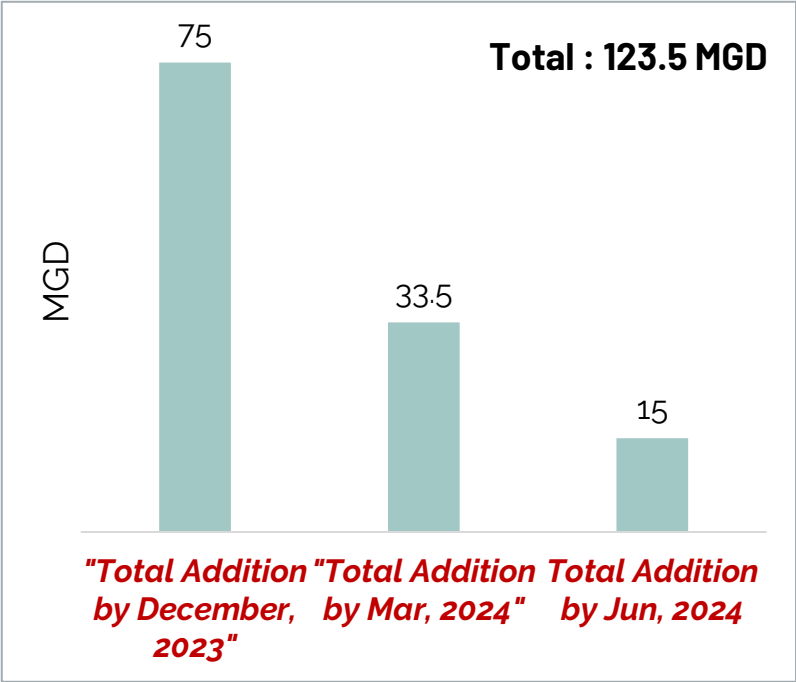
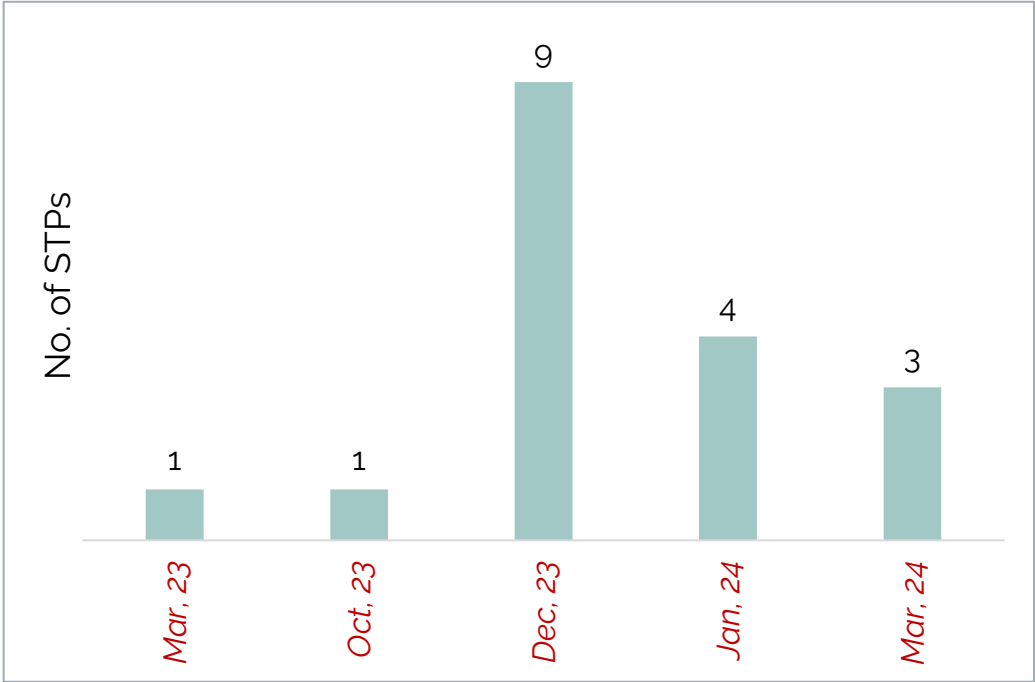
1.3. Progress in Rehabilitation of existing 3 STPs

Capacity Addition: 70 MGD



1.4. Upgradation of Existing 18 Sewage Treatment Plants

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



1.4. Upgradation of Existing 18 Sewage Treatment Plants

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Feb, 23	Status as on 10 Mar, 23	Timelines
1.	Rithala Phase -II	40	40	7 % Cumulative Physical Progress: 36 %	18 % Cumulative Physical Progress: 54 %	"Mar, 2023" Red Flag
2.	Kondli Phase-IV	45	45	9 % Cumulative Physical Progress : 26 %	4.19 % Cumulative Physical Progress : 30.19 %	"Oct, 2023"

1.4. Upgradation of Existing 18 Sewage Treatment Plants

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Feb, 23	Status as on 10 Mar, 23	<i>Timelines</i>
3	Pappan Kalan Phase - I	20	30	Plants handed over to agency for further upgradation/ augmentation	2 %	<i>"Dec, 2023"</i>
4	Nilothi Phase -II	40	60			
5	Najafgarh	5	5			
6	Keshopur Phase -II	20	20		Nil	
7	Keshopur Phase-III	40	60			
8	Rohini Sector 25	15	25			
9	Narela	10	15			
10	Coronation Pillar Phase -I & II	20	20		4 %	
11	Coronation Pillar Phase -III	0 (Plant is non operational)	10			

1.4. Upgradation of Existing 18 Sewage Treatment Plants

Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Feb, 23	Status as on 10 Mar, 23	Timelines
12	Okhla Phase- V	16	16	Negotiation held with single bidder but bidder did not reduce the rates within suggestive cost. Tenders are being discharged and proposal sent to Hon'ble Minister (Water) to call tender on EPC model in place of existing HAM model as there are no adequate response on tenders called on HAM model.	Tenders have been reinvited on 25/02/2023 which is due on 27/03/2023	<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

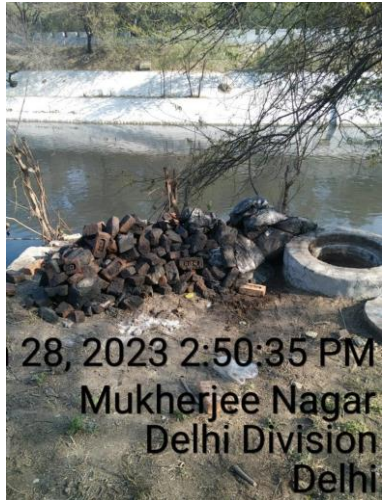
Sr. No.	Name of STP	Existing Capacity	Enhanced Capacity (In MGD)	Status as on 10 Feb, 23	Status as on 10 Mar, 23	Timelines
16	Yamuna Vihar Phase – I	10	15	Tender reinvited and same is due for opening on 06.03.23	Tenders re-invited due for opening on 13.03.23 and work is likely to be completed by March, 2024.	Mar, 2024
17.	Keshopur Phase- I	12	18	Proposal sent for approval of Hon'ble Minister (Water) to call tenders on EPC model as there is no response in the tenders called on HAM model in this case two times.	Tender re-invited on 25.02.2023 with due date on 27.03.2023	Mar, 2024
18.	Yamuna Vihar Phase – III	25	40+15 (55)	DPR is under preparation. Tenders are likely to be floated first week of March, 2023 on EPC model.	DPR received on 10.03.23.	Mar, 2024 Jun, 2024

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

S.No.	Particulars	Total length (Km)	Length Desilted from (10.02.2023 to 10.03.2023 (Km)	Cumulative Length Desilted (Km)	Timelines
1.	<i>Desilting of 90.34 Km</i>				<i>"June, 23"</i>
a	Yamuna Vihar STP	7.65	1.6	3.9	
b	Rithala-Rohini STP	19.21	1.6	10.1	
c	Narela STP & Coronation Pillar STP	8.05	0.9	3.7	
d	Keshopur STP	2.84	0	0.70	
e	Nilothi STP	4.61	0.31	0.46	
f	Kondli STP in east zone	8.76	0	Lol issued on 07.03.2023	
g	Dwarka STP	27.10	0.88	0.88	
h	Okhla STP	11.51	0.95	1.2	
i	Desilting of gravity duct no. 1	5.20	1	1	
	Total	94.93	7.24	21.94	
2.	<i>Desilting of remaining 110 Km</i>	<i>Survey and estimation is being done</i>			<i>"Sep, 23"</i>

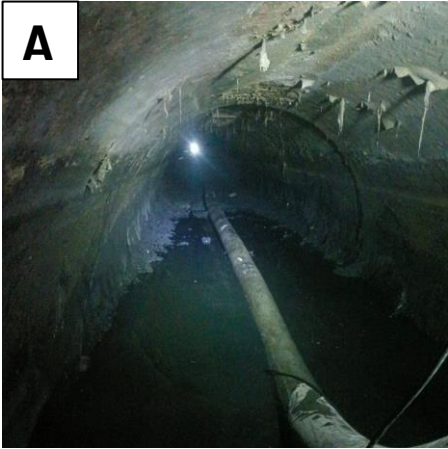
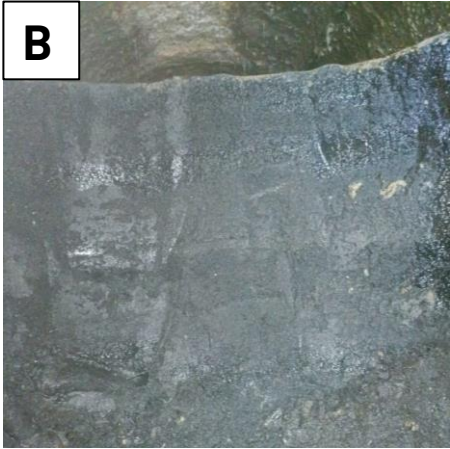
1.5. Desilting (Trunk/peripheral Sewer : Approx 200 Km)

Objects found inside trunk sewer during desilting process

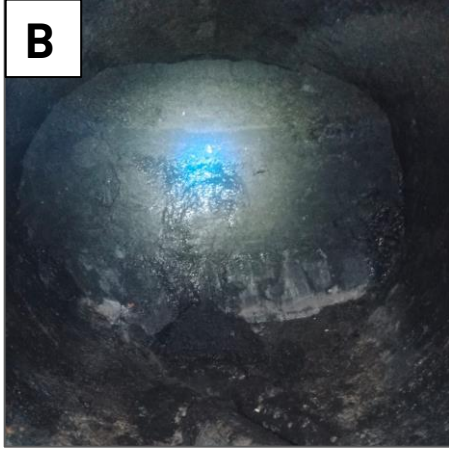


1.5. Desilting (Trunk/peripheral Sewer : Approx 200 Km)

Before /After progress visuals



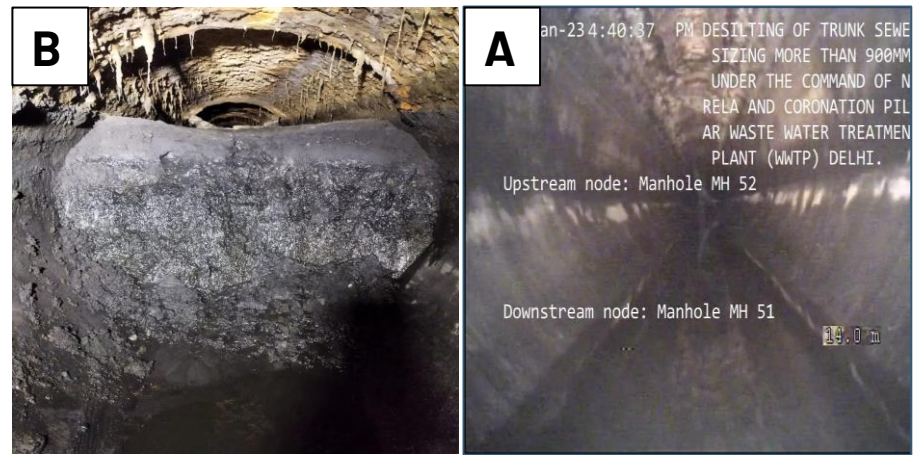
Yamuna Vihar STP
Nand Nagri E block, Mandoli



Rithala-Rohini STP
Block E7 Sultanpuri

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

Before /After progress visuals



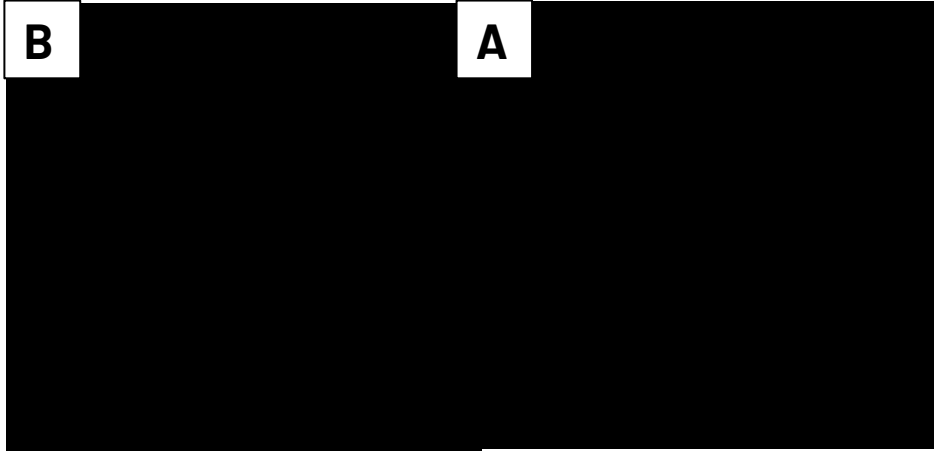
Narela & Coronation Pillar STP
Narela (MH 51 - MH 52)



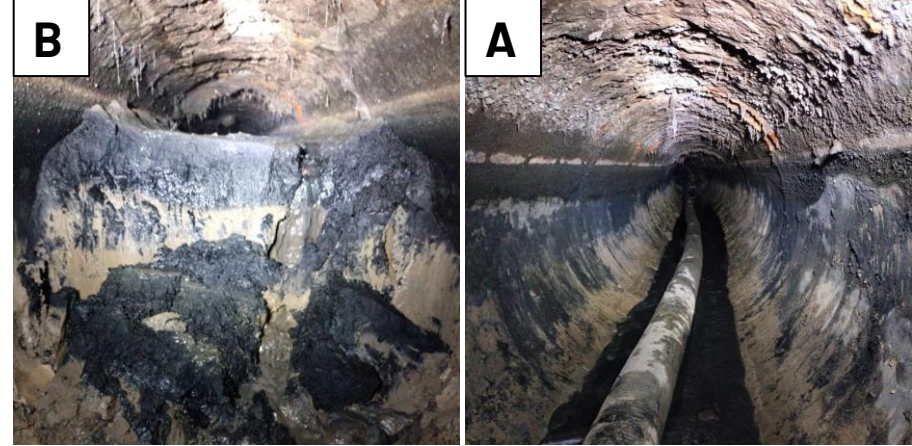
Keshopur STP
Bhera enclave near VR hotel

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

Before / After progress visuals



Nilothi STP
MH4A-4 near vikaspuri flyover



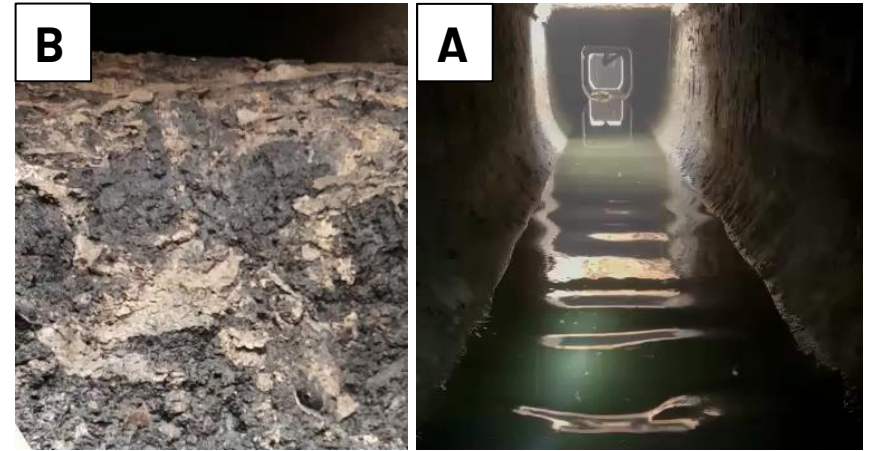
Dwarka STP
Pocket A, Sec-17 Dwarka

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

Before /After progress visuals



Vijay Nagar
North Delhi Trunk Sewer (NTS)



Gravity duct No. 1
G.B. Pant Polytechnic Near
Tughlakabad interconnection
chamber

Trapping of partially trapped Delhi Gate Drain

“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	Land is yet to be allotted from MoHUA DO letter being sent.

Trapping of partially trapped Sen Nursing Home Drain

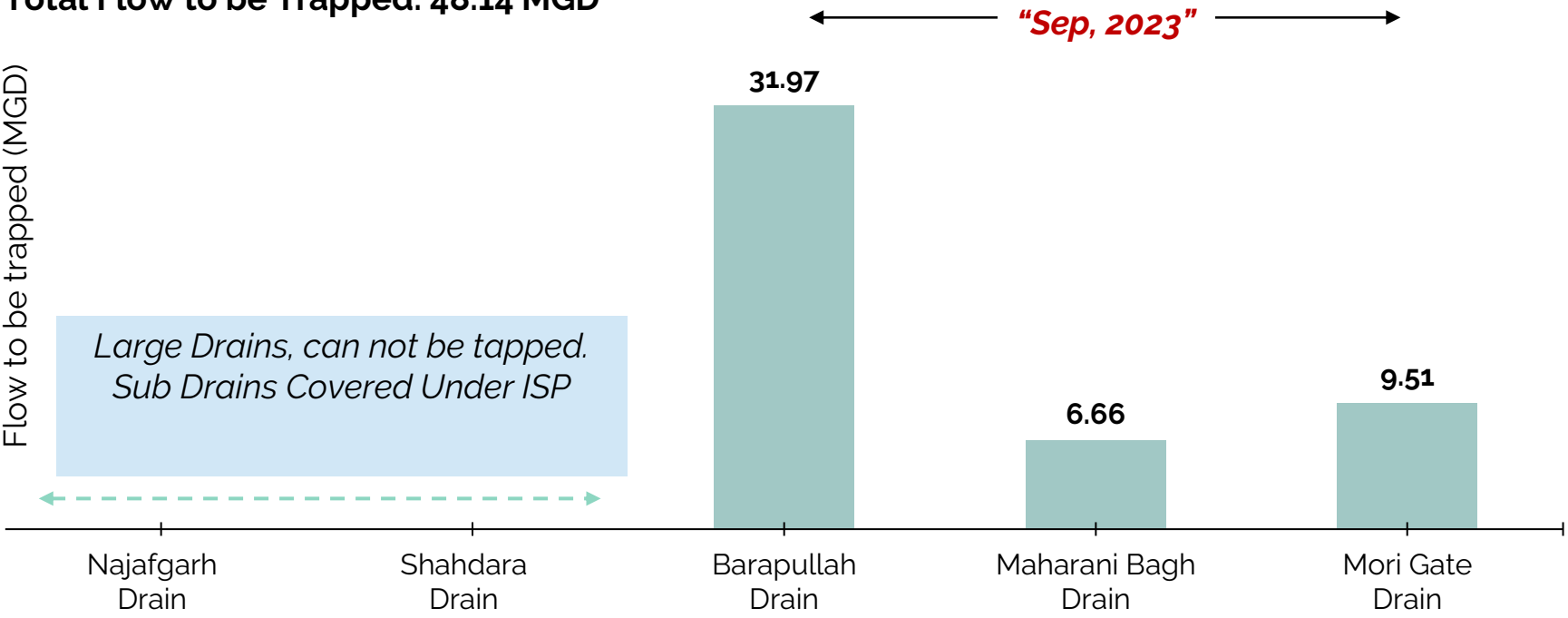
- *Sen Nursing Home Drain has been trapped into Sen Nursing Home STP as well as into the Ring Road trunk sewer.*
- *However, some marginal flow/ overflow still passes during peak hours.*

Direction	Timelines	Status
Trapping of Marginal/ overflow of Sen Nursing Home Drain	Mar, 23	Pumping station is proposed for trapping marginal over flow into SNH drain.

2. Trapping of all Drains

Trapping of Drains (Remaining 3 untapped major drains)

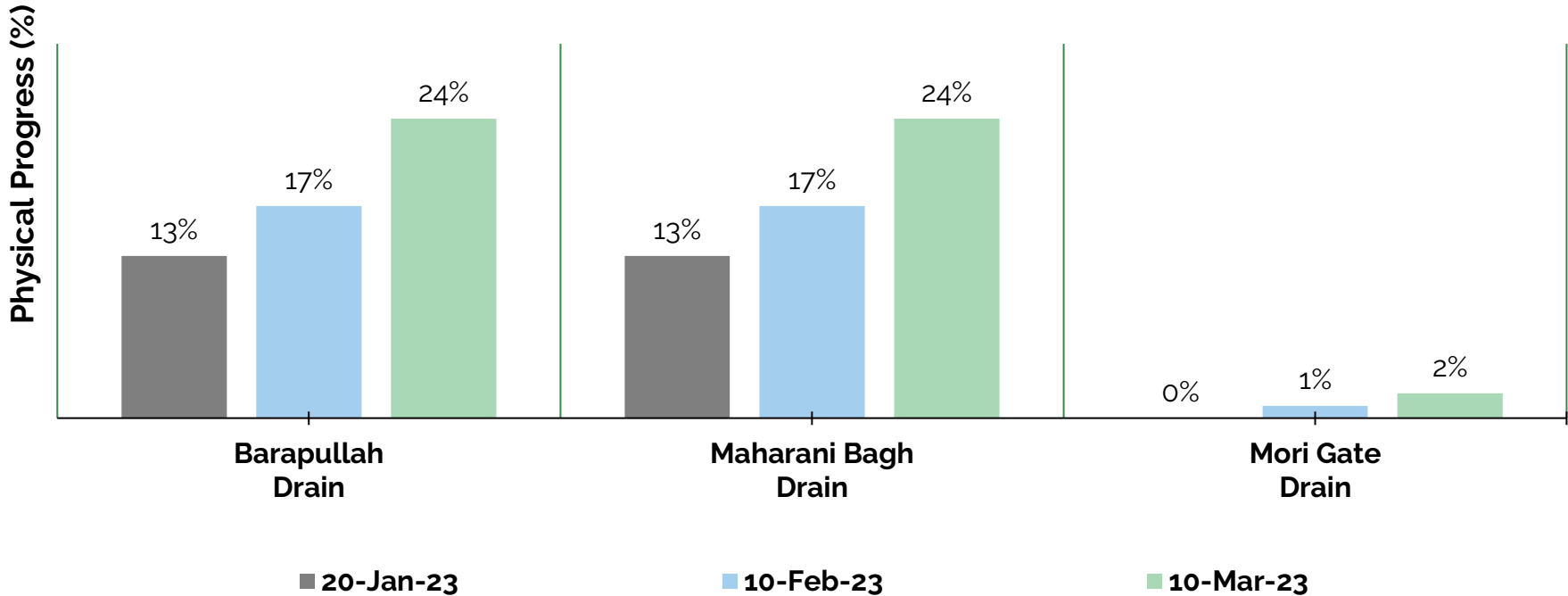
Total Flow to be Trapped: 48.14 MGD



2. Trapping of all Drains

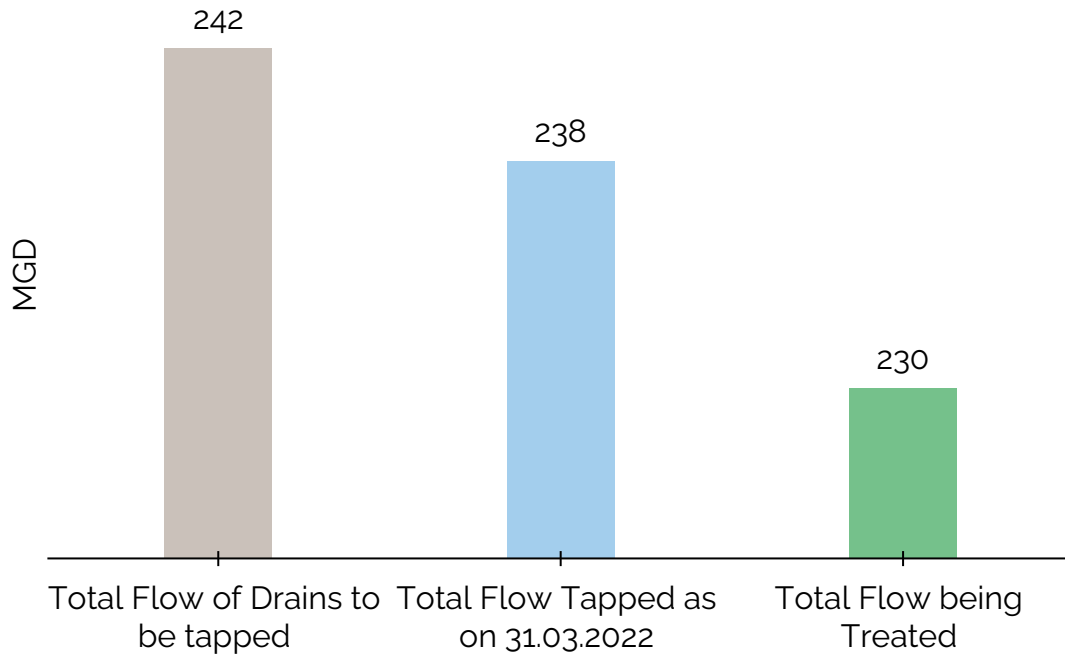
Trapping 3 untapped major drains : Total Flow to be Trapped: 48.14 MGD

"Timeline: Sep, 2023"



2. Trapping of all Drains

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

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	Status as on 10 Mar, 23			
1.	Najafgarh Drain	44	06	Completed	Completed			
			06	Jan, 23	Completed			
			01	Feb, 23	Completed			
			04	Mar, 23	3 - Completed			86 %
			01	May, 23	Work just taken up			
			04	Jun, 23	97 %	97 %	80 %	Does not pertain to DJB, belongs to DDA.
			22	Oct, 23	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

2. Trapping of all Drains

Order
Para No.
3.2.2 (iii)

Before /After progress visuals



Bamnoli Drain



Hakikat Nagar Drain

2. Trapping of all Drains

Order
Para No.
3.2.2 (iii)

Before / After progress visuals



Raghubir Nagar Drain

2. Trapping of all Drains

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 Feb, 23	Physical Progress as on 10 Mar, 23
2.	Shahdara Outfall Drain	02	02	<i>"Jun, 23"</i>	72.8 %	72.8 %

2. Trapping of all Drains

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 Mar, 23				
3.	Supplementary Drain	30	02	Feb, 23	Completed				
			07	Mar, 23	2 - Drains - 85 %			5 - Drains - 64 %	
			04	Apr, 23	90 %	60 %	20 %	15 %	
			1	May, 23	71 %				
			14	Jun, 23	2 Tender Opened	3 Tender under process	2 40 to 60 % progress	3 5 to 10 % progress	4 Nil
			01	Sep, 23	24 %				
			01	Oct, 23	75 %				

2. Trapping of all Drains

Before / After progress visuals



Mongolpuri X- block Drain



Badli Drain

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

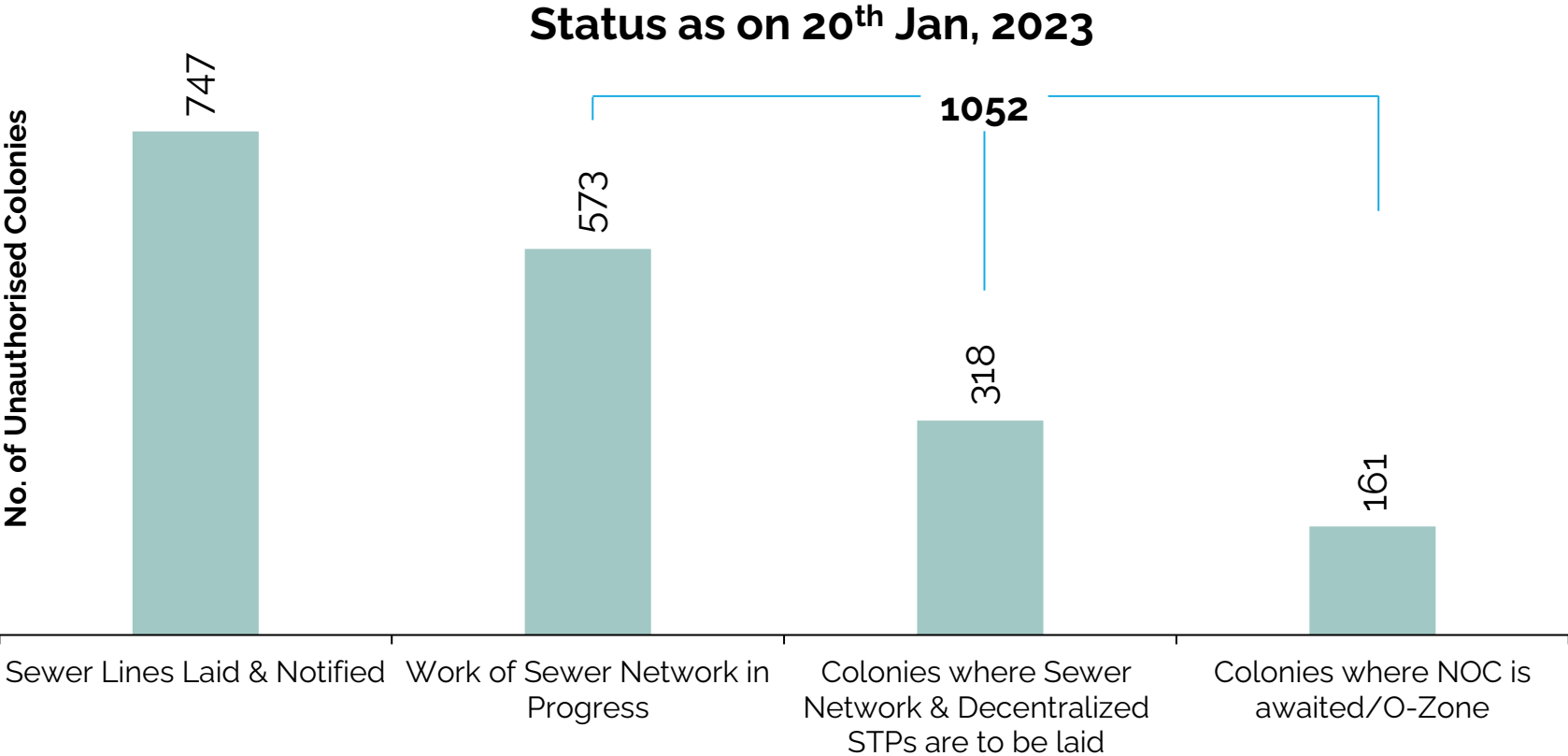
- There are many illegal sub drains which are not in official records of drain owning agencies but are falling into Main Drain.
- Drain owning agencies: PWD, MCD, DDA, IFCD, DSIIDC etc.

Direction	Timeline	Status
Physical Inspection of non-recorded Sub Drains of 18 Major Drains	Feb, 2023	I&FCD 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 DPCC/GSDL data shows that 238 sub drains exist. [PWD-107 MCD-79 NDMC-24 IFCD-14 DDA-4 DUSIB-2 NTPC-1 DCB-1 Unidentified-6] List being reconciled, to list out sub drains which are uncovered in present action plan
To prepare Action Plans for trapping of identified non recorded sub drains of 18 Major Sub Drains	Mar, 2023	Dependent on previous action

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

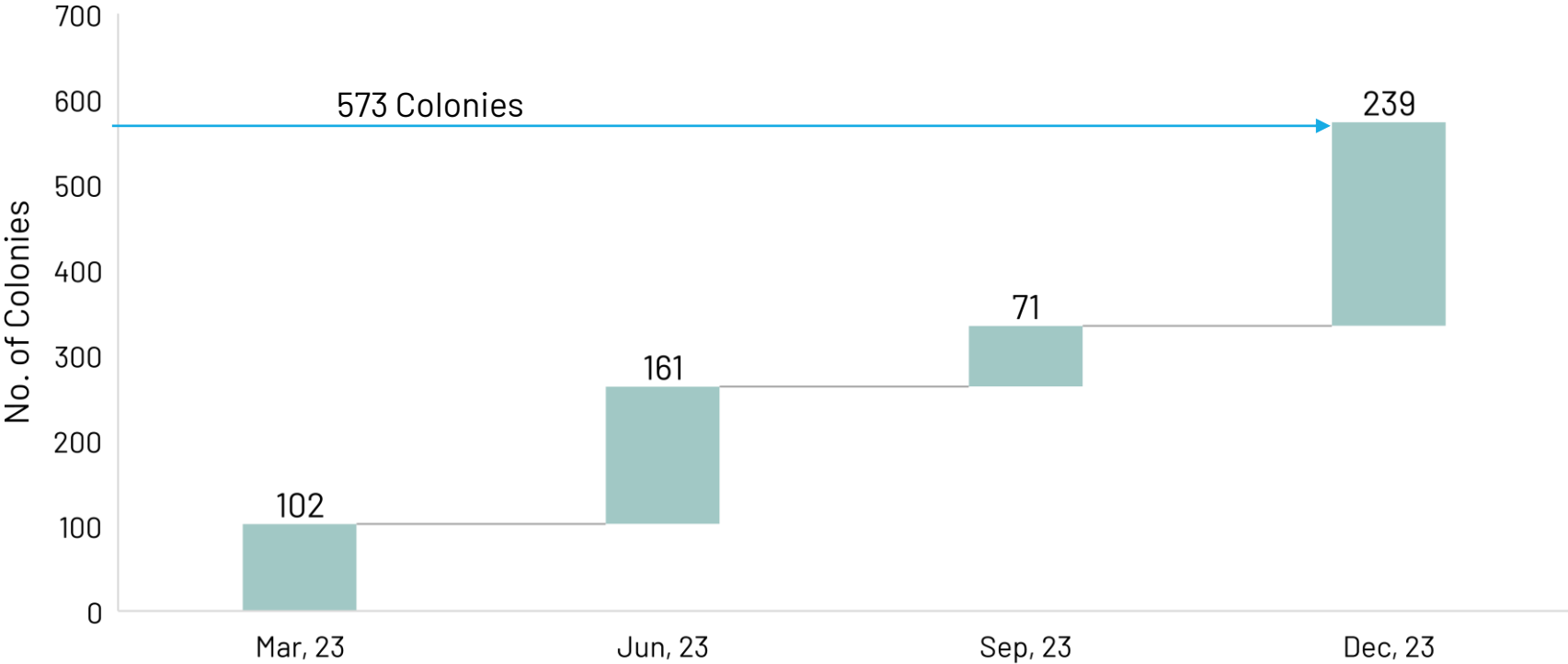
Direction	Timeline	Status
<i>DJB to undertake Performance Audit of completely trapped 11 major drains and all sub-drains through an independent agency</i>	Feb, 2023	Proposal/ quotation received. Cost is more than 50 Lacs therefore the case has been sent for principal approval of Chairman, DJB.
<i>A multidisciplinary team of DJB, MCD, Irrigation & Flood Control department to undertake internal audit.</i>	Feb, 2023	Dropped

3. Sewerage Network in unauthorised colonies (1799)



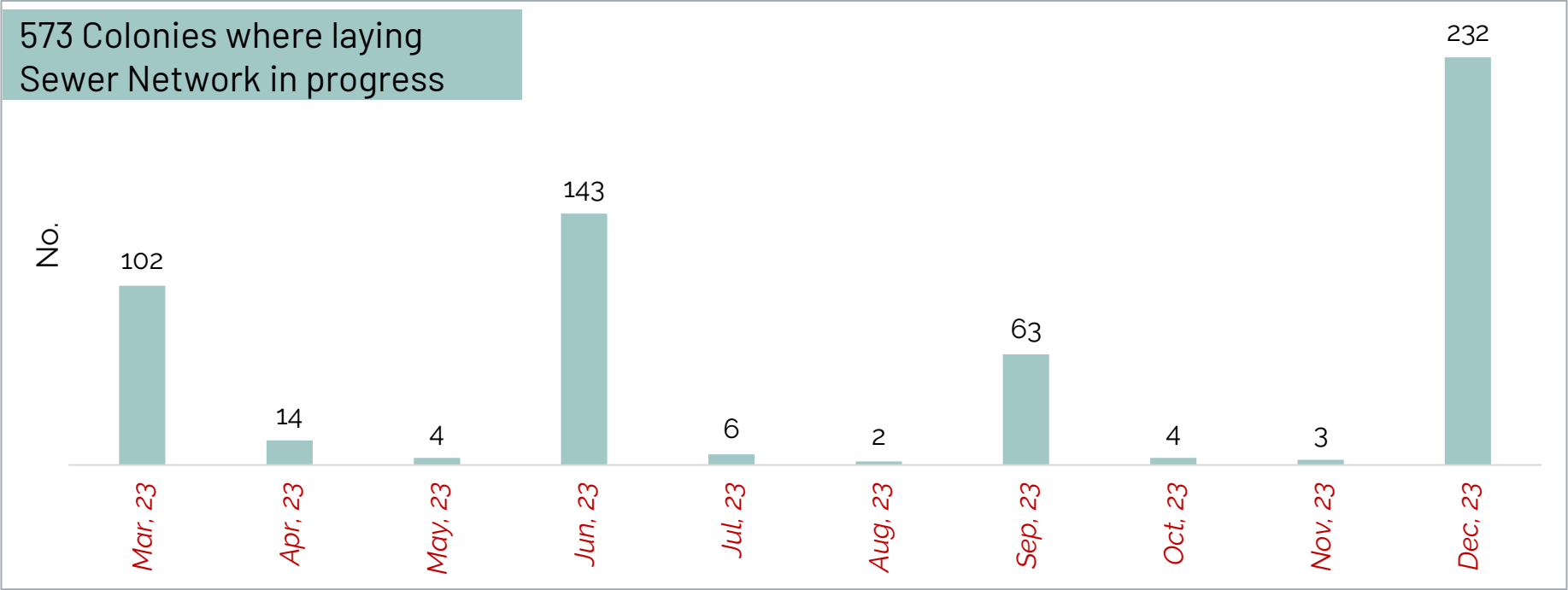
3.1. Status of Sewerage Networks in Progress

573 Colonies where laying Sewer Network in progress



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573 Colonies where laying Sewer Network in progress

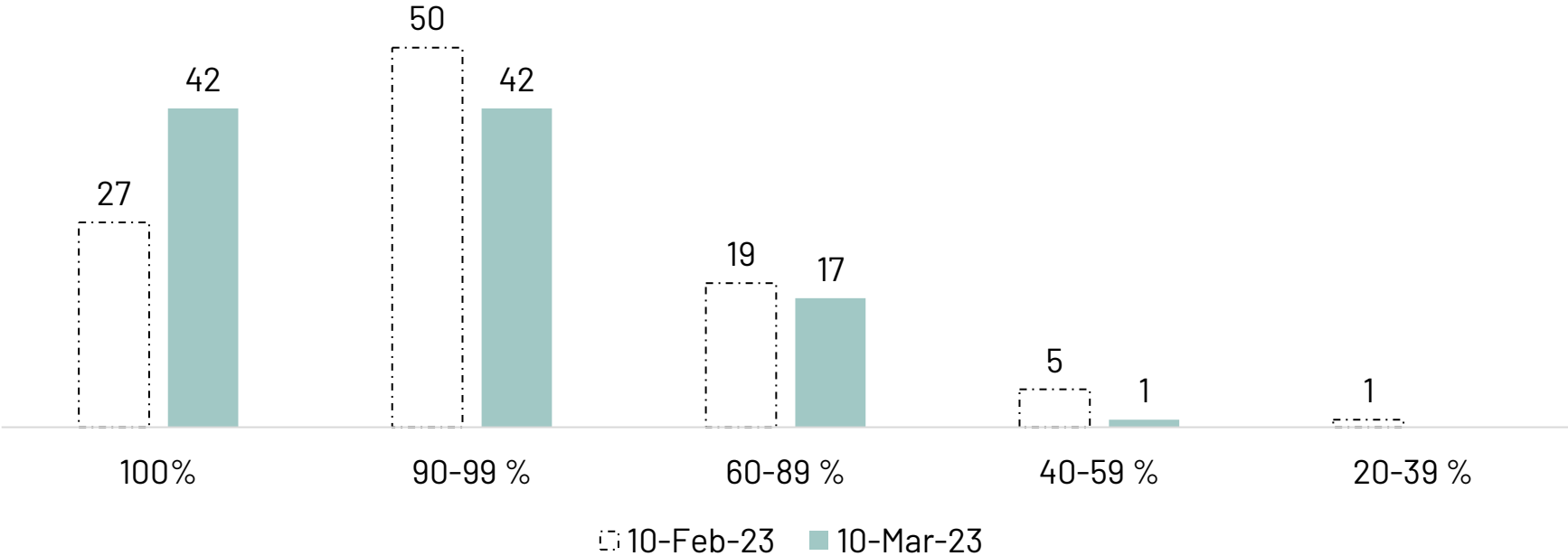


3.1.1. Status of Sewerage Networks in Progress

573 Colonies where laying Sewer Network in progress

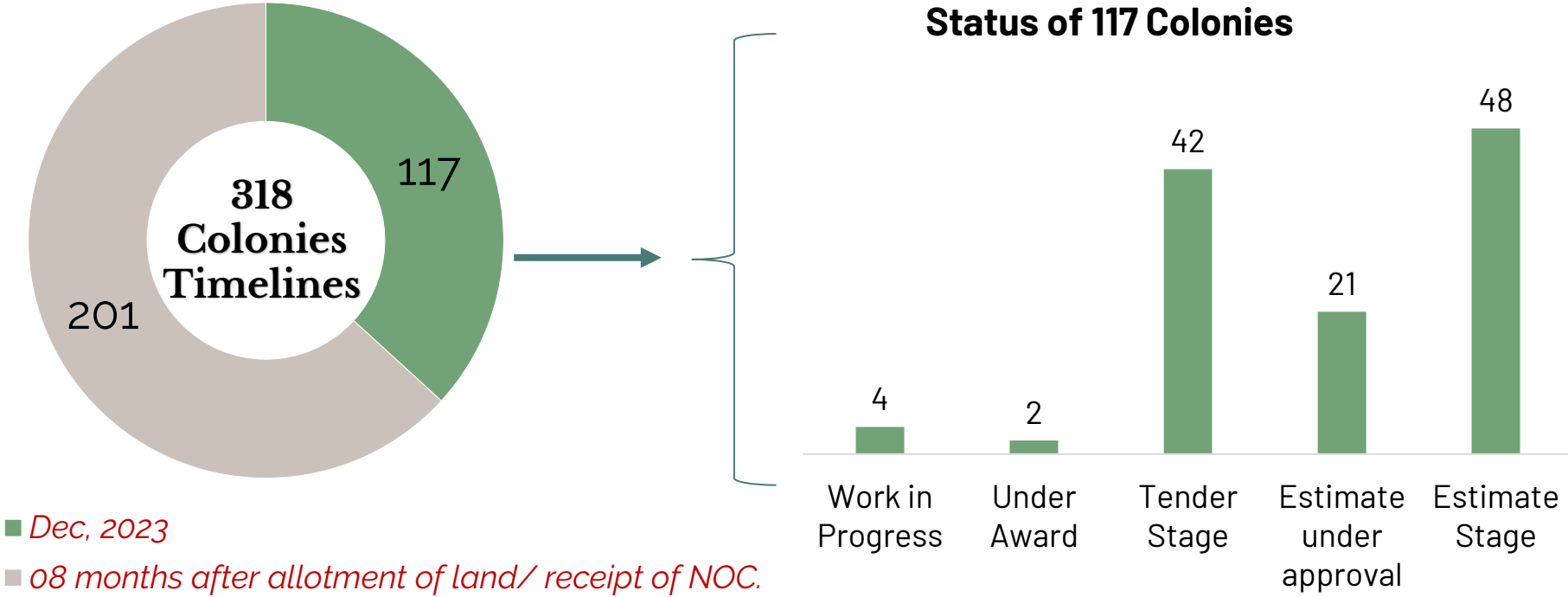
Physical Progress of 102 Colonies

“Timeline: Mar, 23”



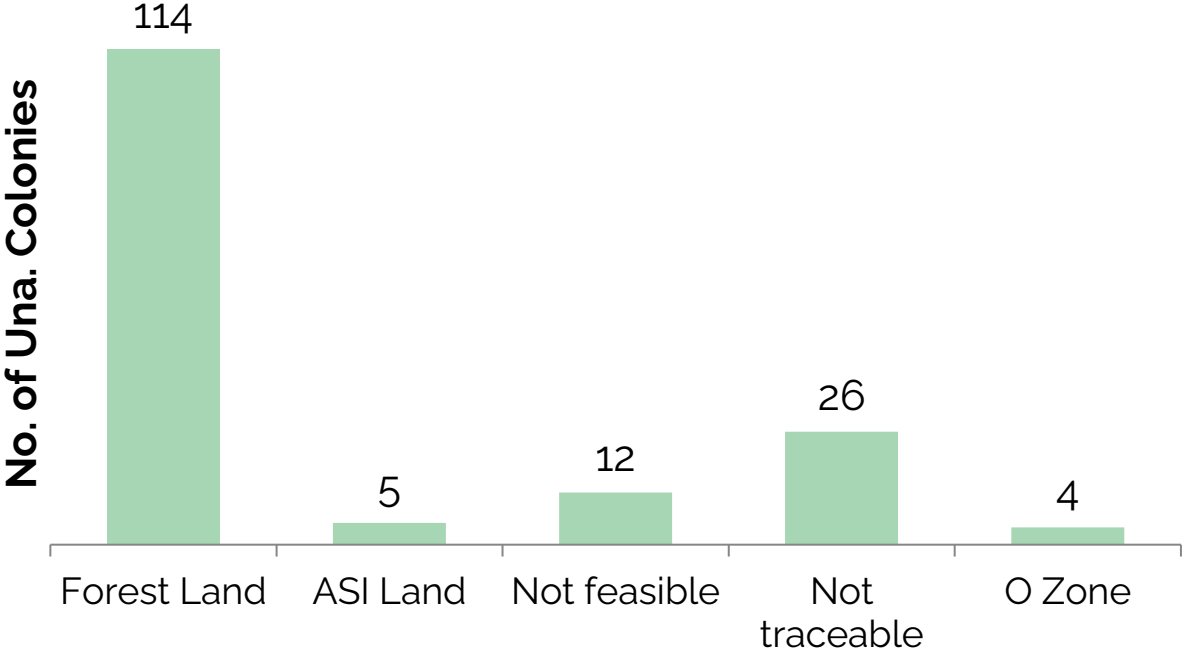
3.2. Status of Sewerage Networks sewerage network is to be laid along with Decentralized STPs

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



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

161 colonies where NOC is awaited/O-Zone

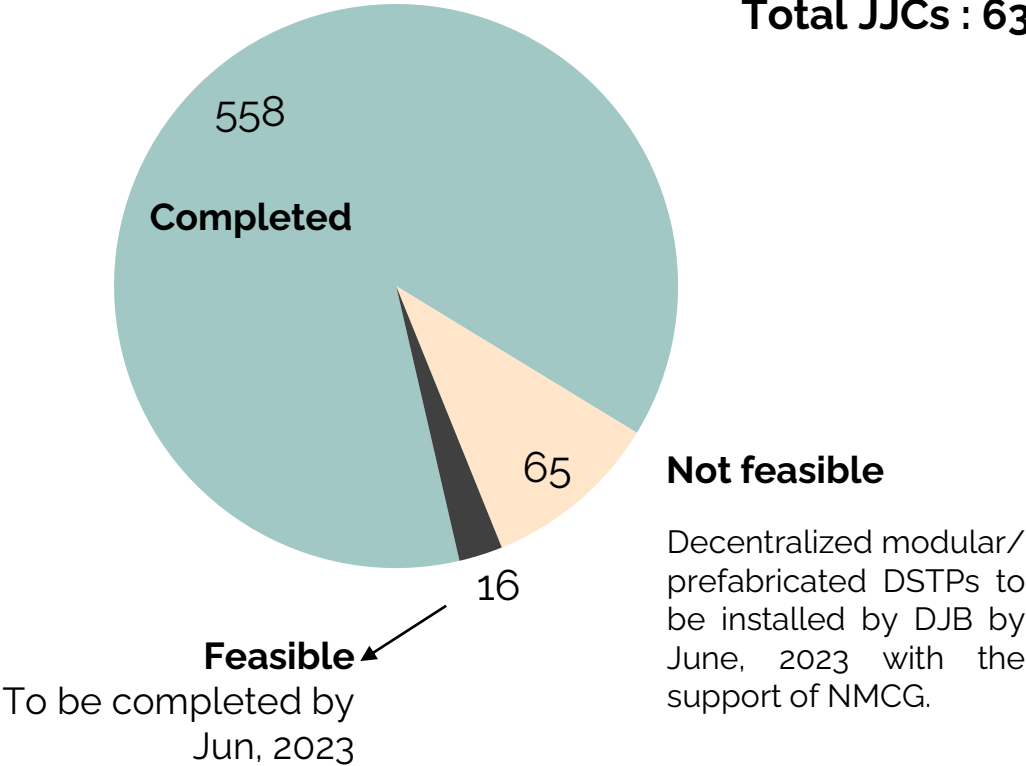


“Timeline for 161 Colonies where NOC is awaited / O Zone : 12 months after receipt of NOC but not later than June, 2024”

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

Total JJC's : 639

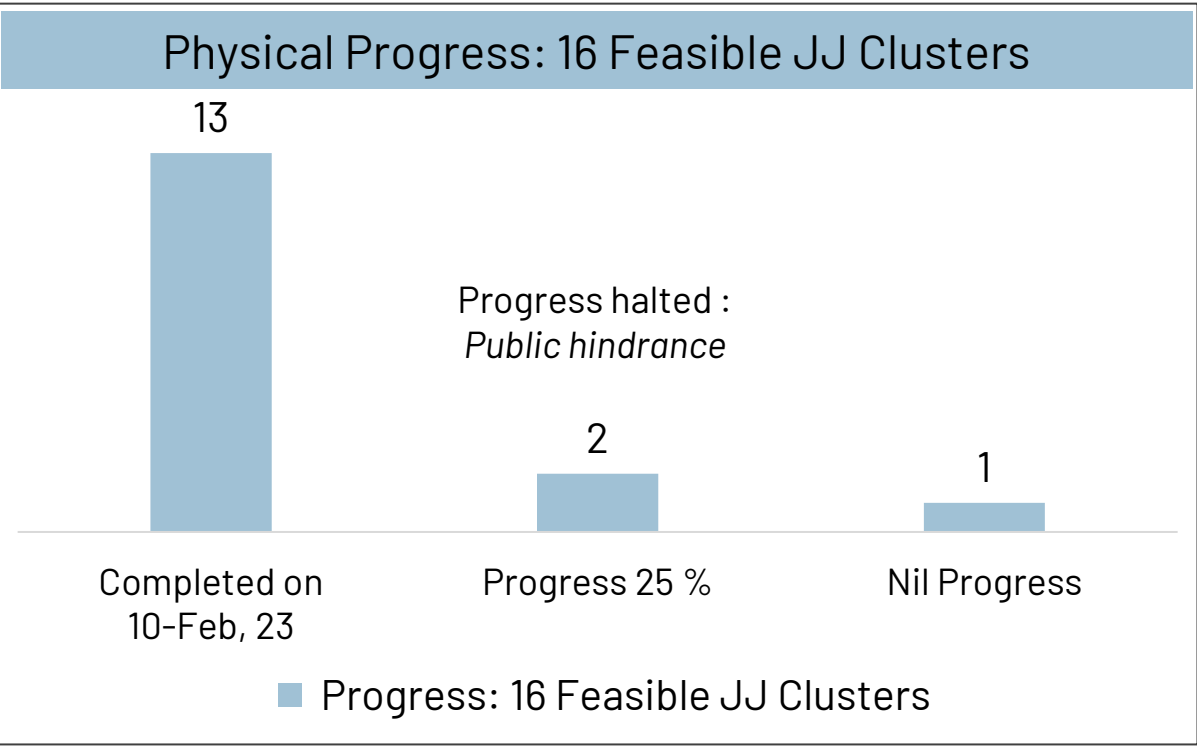
- Connection of storm water drain at outfall points/ points of JJC's into nearest DJB sewerage system.
- **Timeline: Jun, 2023**



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



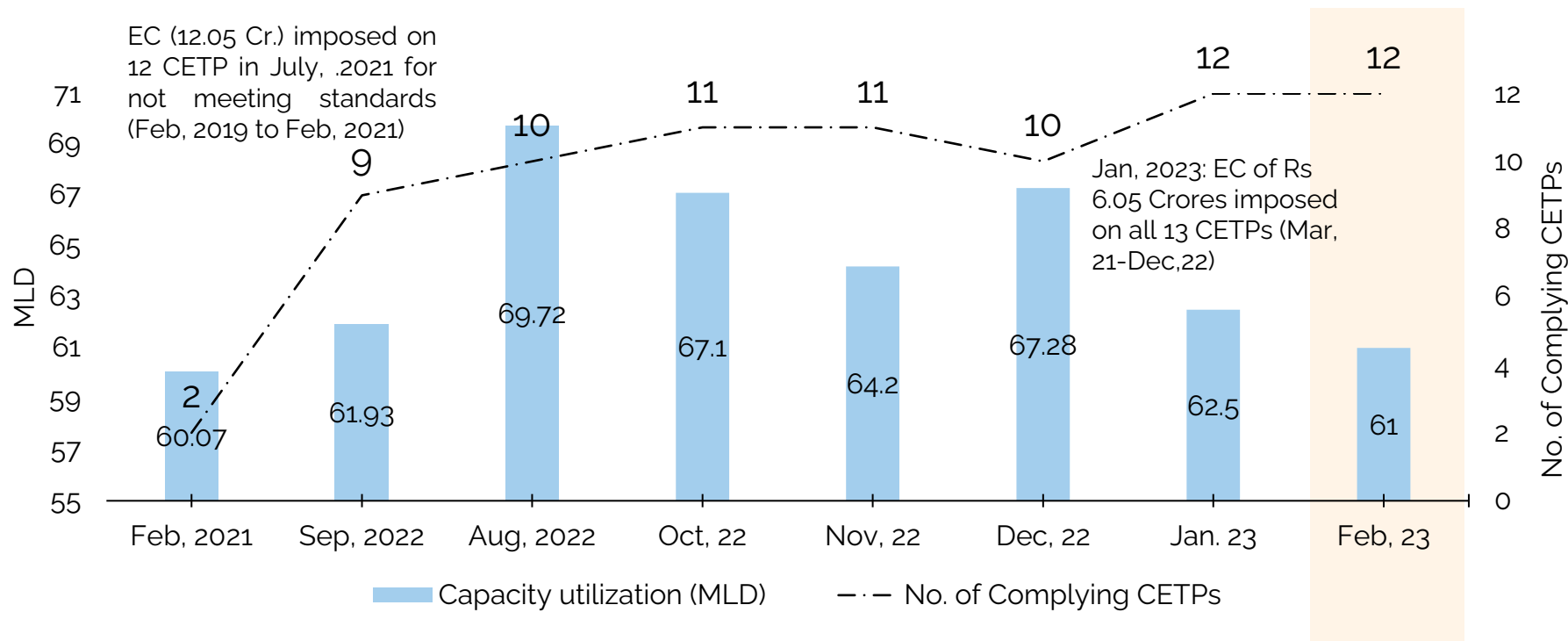
Status of 65 not Feasible JJ Clusters

04 JJC drains connected to sewerage network/ ISP and in 61 remaining JJC's, survey work carried out and completed, **report from consultant is awaited.**

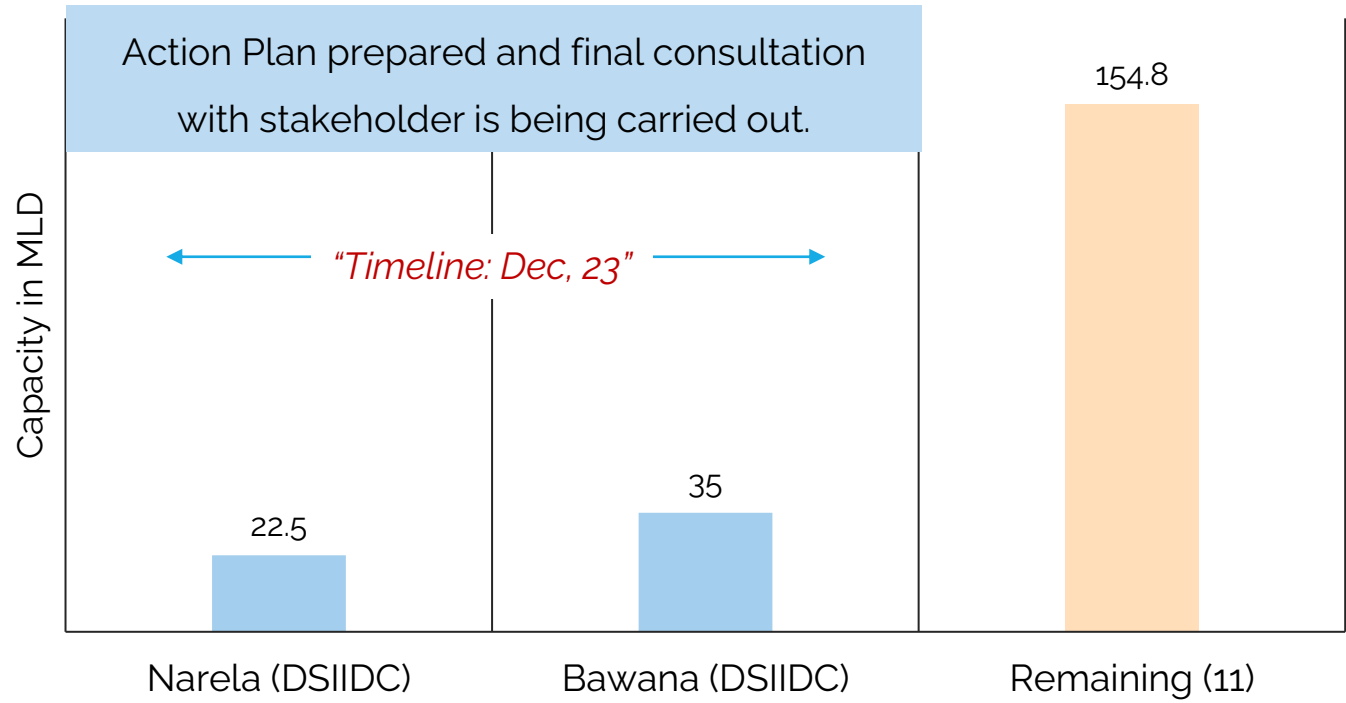
4. Industrial Effluent Management by CETPs (13)

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



4.1. Upgradation of CETPs with Timelines



Issue sorted out between DJB & DSIIDC on CETP handing over issue.

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

Inspections conducted at Water Polluting Units in Lawrence Road Industrial Area (1 non complying CETP catchment areas) - [after 2nd HLC meeting]

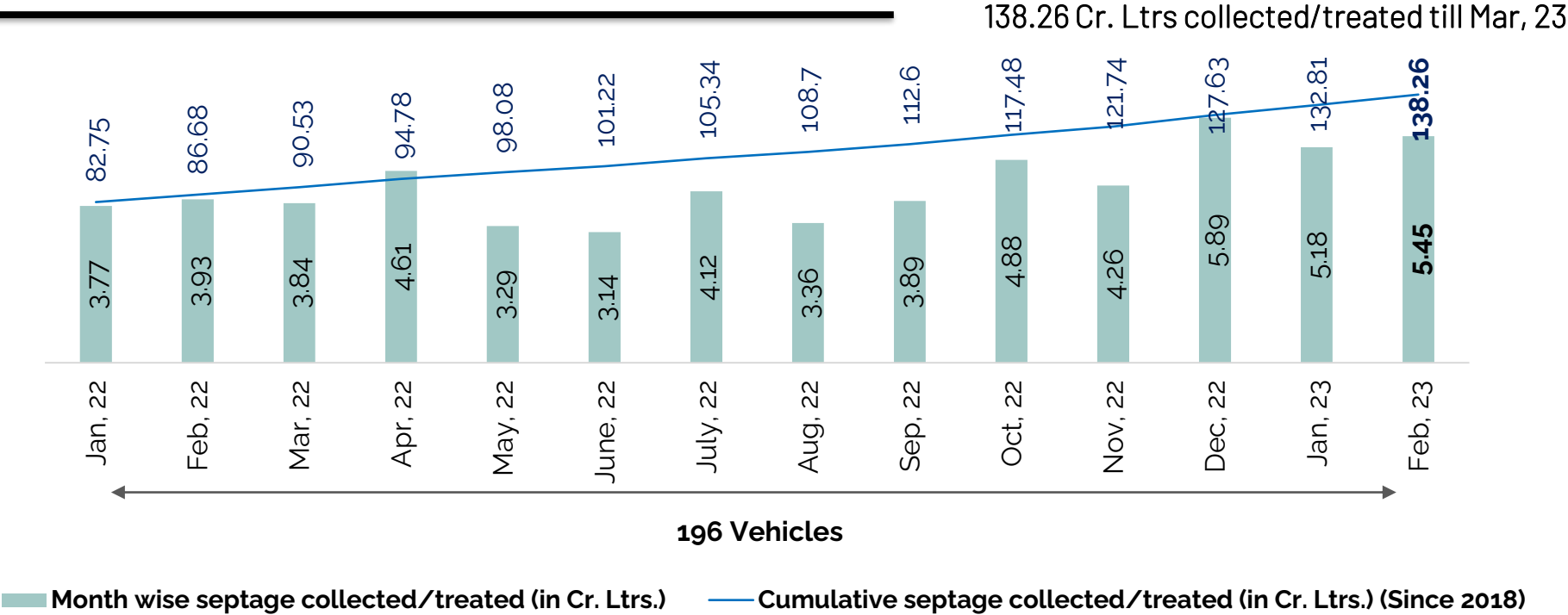
1. Nos of WPIs: 35
2. Inspections conducted: 100%
3. **No. of non compliances = Nil**
4. **Effective Closures (disconnection of power & water) : 7 (last period between 1st and 2nd meeting)**

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	05.02.2023-05.03.2023	Cumulative
Total No. of Meetings of Septage Management Committees held	7	80
No. of Vehicles/ Tankers found unauthorizedly discharging septage into Drains etc.	0	50
No. of Vehicles/ Tankers impounded	0	46
No. of Challans/notices issued	0	22
Total Amount of Environmental Compensation Imposed & received	0	12.77 Lakhs

5.1. Faecal Sludge (Septage) Collection & Treatment



“196 Vehicles to be reduced to 150 by June, 2023”

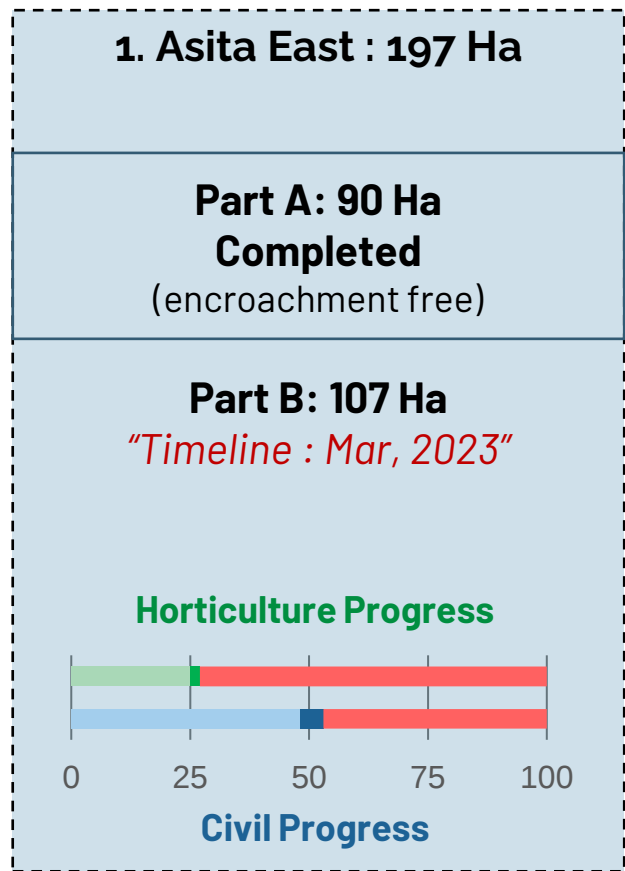
5.2. Septage Management Regulations 2018

"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."

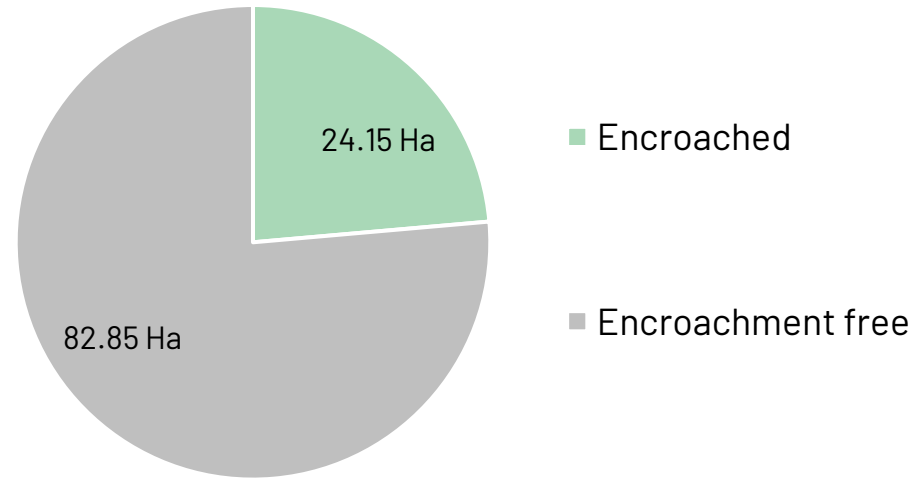
Direction	Timeline	Status as on 10-Mar- 23
<i>Report to be submitted</i>	15 Feb, 2023	Report Finalized; Salient recommendations: 1. Penalty for deposit of septage by unauthorised (unlicensed) entities shall be Rs. 50,000/- plus confiscation of vehicle. 2. Penalty on a person who uses the services of unlicensed vendors/vehicles for discharging the septage shall be Rs. 10,000/- per violation.

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

Order
Para No.
3.6



Part B: 24.15 Ha Encroached



Demolition fixed on 25.03.2023
(Next date of hearing 14.03.2023)

Asita East: Part B (107 Ha)

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)

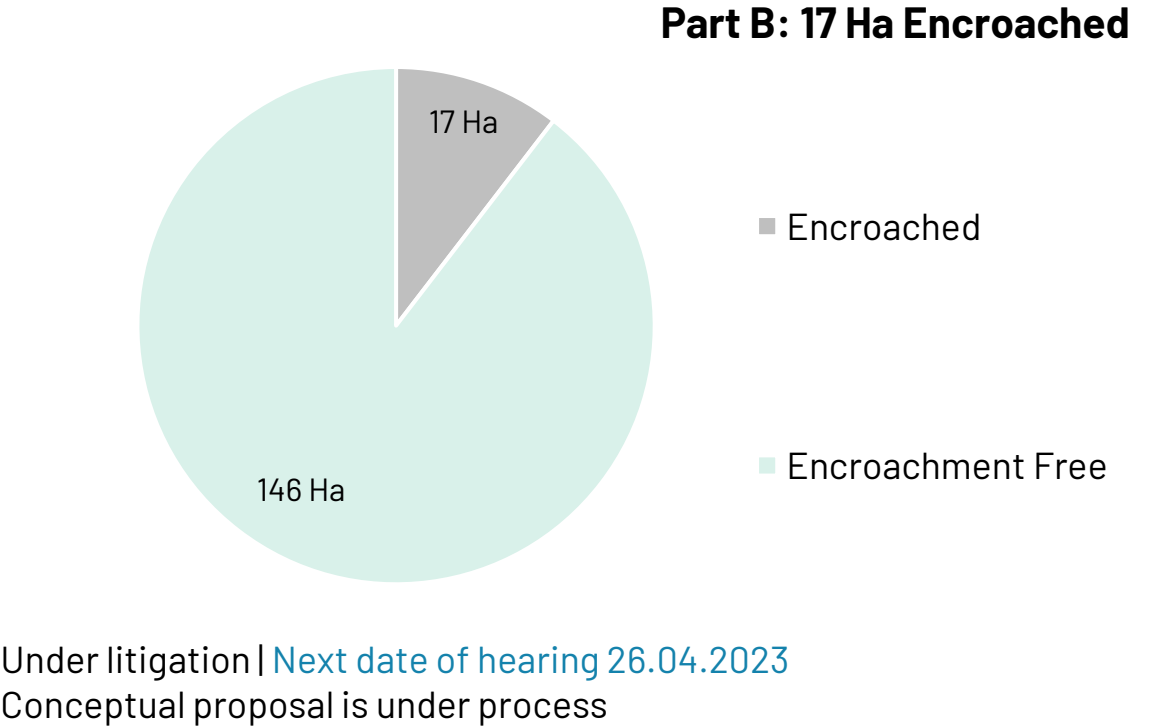
2. Kalindi Aviral : 263 Ha

Part A: 100 Ha Completed

Part B: 163 Ha inclusive of Baansera
"Timeline : Feb, 2023"

Physical Progress

0255075100



Kalindi Aviral : Part B (Baansera)

Order
Para No.
3.6



Lawn at top plateau



Waterbody developed



Approach road at arrival zone



Floral terrace

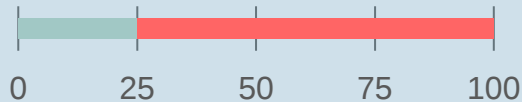
6. Status of 10 Projects of DDA (Restoration & Rejuvenation of Flood Plains and Removal of Encroachment)

3. Kalindi Biodiversity Park : 115 Ha

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

No progress : work held up due
to NHAI work.

Physical Progress

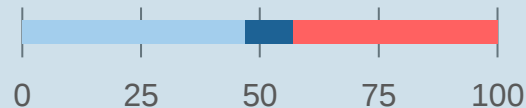


4. Ghat Area: 66 Ha

"Timelines"

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

Civil Progress



- Part B-Sur Ghat (13.6 Ha):
Jul, 23 and Eco Trail (33 Ha)
& Yamuna Bazar (3.4 Ha) :
Dec, 23

Work awarded

4. Ghat Area: 7 Ha Encroached

Next Date of Hearing:
12.04.2023, 14.04.2023 &

28.04.2023 (Qudsia Ghat)

Kalindi Biodiversity Park

Order
Para No.
3.6



Before



After

Constructed Wetland System treating 15-20 MLD raw sewage discharged by Kilkori drain

Ghat Area

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

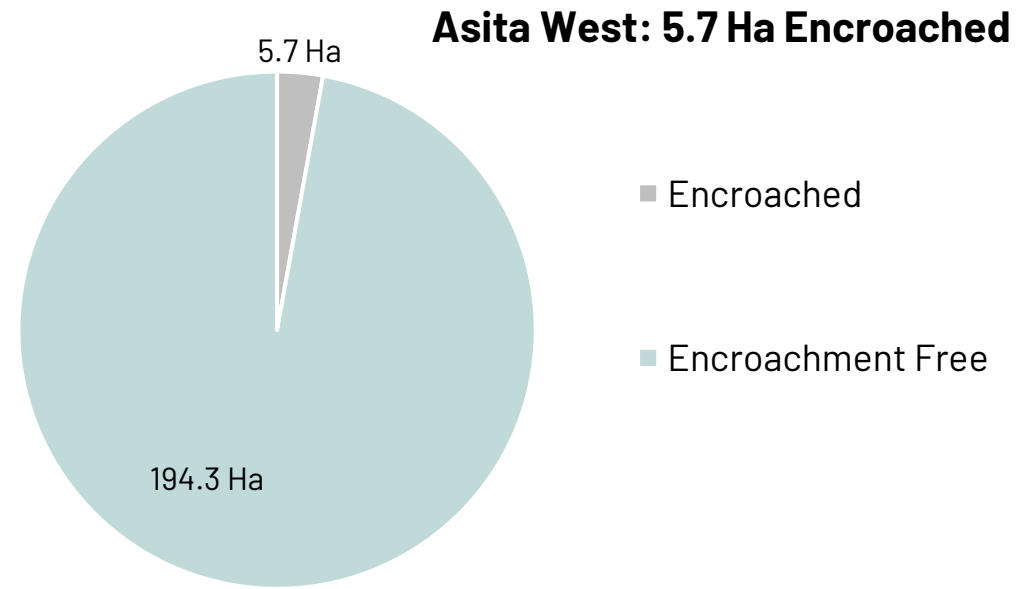
5. Asita West : 200 Ha

Part A: 93 Ha Completed

Part B: 107 Ha
"Timeline : Jun, 2023"

Horticulture Progress

Civil Progress



Next Date of Hearing; 14/03/2023
Stay; status quo order 14/05/2018

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)

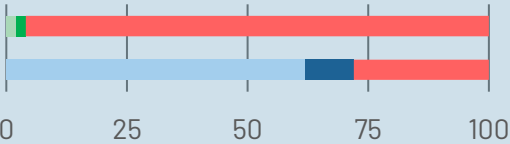
Order
Para No.
3.6

6. Amrut Bio Diversity Park- : 116.5 Ha

"Timelines"

Part A: 90 Ha : Mar, 23

Horticulture Progress

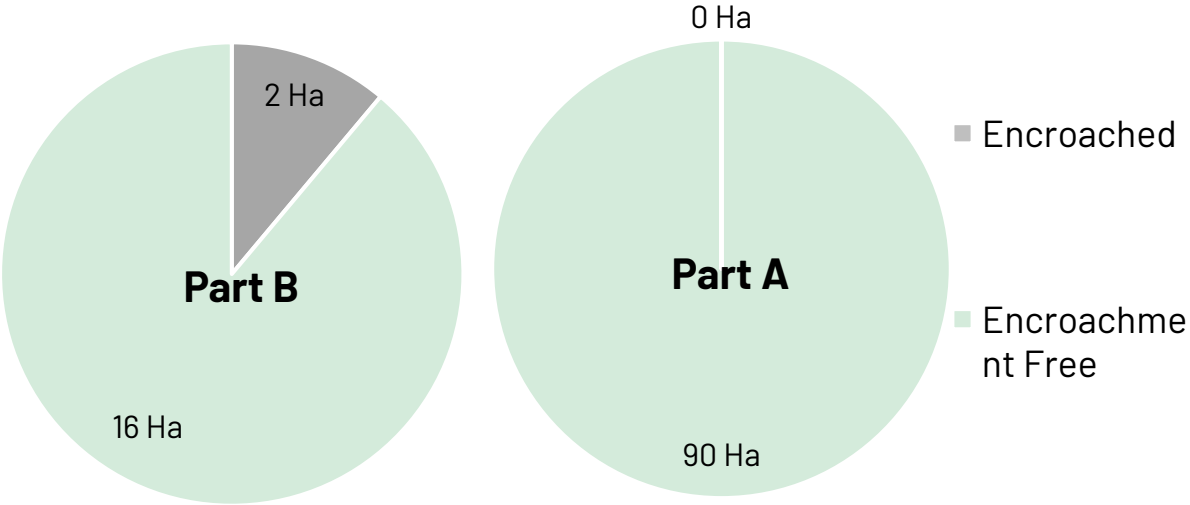


Civil Progress

Part B: 18 Ha: May, 23 : High Court Case

Part C: 8.25 Ha: Dec, 23 : Area handed over to CPWD

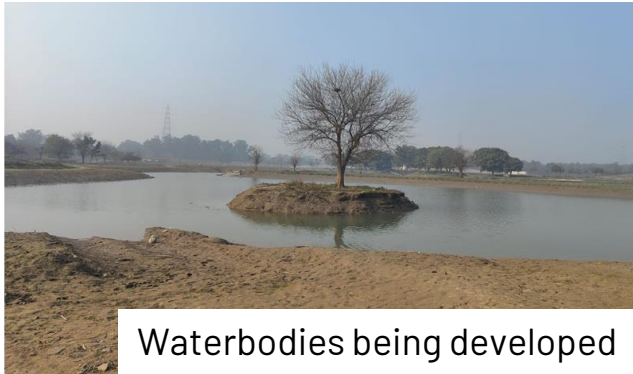
Part A: Encroachment free
Part B: 2 Ha Encroached and partly under litigation



Demolition has been fixed on 17.03.2023
Next date of hearing 12.09.2023

Amrut Bio Diversity Park

Order
Para No.
3.6



Waterbodies being developed

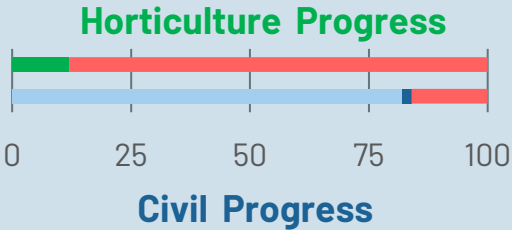


Pathways and parking being developed

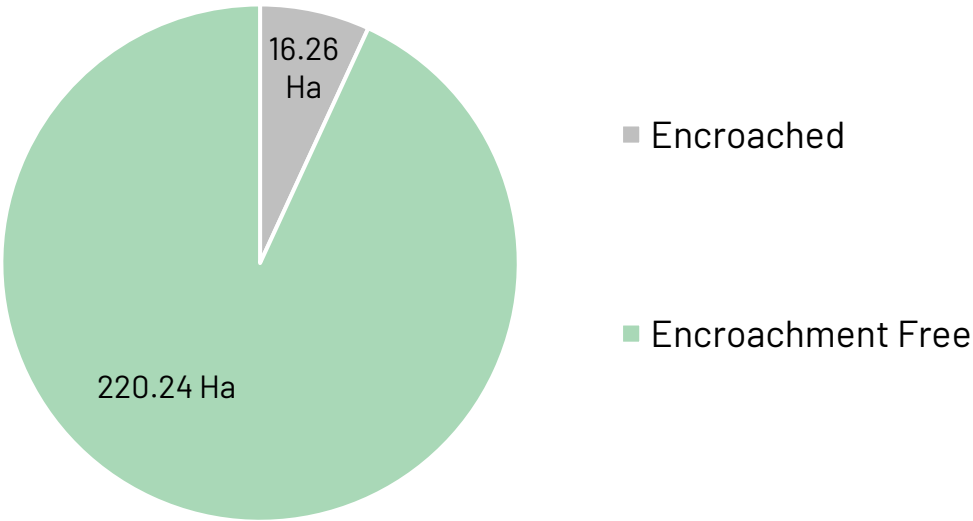
6. Status of 10 Projects of DDA (Restoration & Rejuvenation of Flood Plains and Removal of Encroachment)

7. Yamuna Vanasthali: 236.5 Ha

"Timeline : May, 2023"



Yamuna Vanasthali: 16.25 Ha Encroached



Demolition has been fixed on 25.03.2023.
Next Date of Hearing 04.07.2023

Yamuna Vanasthali

Order
Para No.
3.6



Existing depressions being
restored into waterbodies



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:

Area of
encroachment
cannot be
ascertained properly.

Demolition has been
fixed for 13th March to 31st
March 2023

Next date of hearing-
19.07.2023

8. Mayur Nature Park:
397.75 Ha

Part A: 235 Ha
Part B: 162.75 Ha

Land demarcation completed

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"

Area is being reserved for
plantation to be taken-up.
Site to be made encroachment
free for development.

Mayur Nature Park

Order
Para No.
3.6



Hindan Sarovar

Order
Para No.
3.6



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

10. Eco-Tourism area: 30 Ha

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

Area falls outside 1 in 25 Year
floodplain.

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

Eco-Tourism Area: 0.33 Ha. under litigation.

Next Date of Hearing; 15.03.2023.

In view of harsh weather conditions court has
directed to carry out demolition after
15.03.2023

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

Eco-Tourism

Order
Para No.
3.6

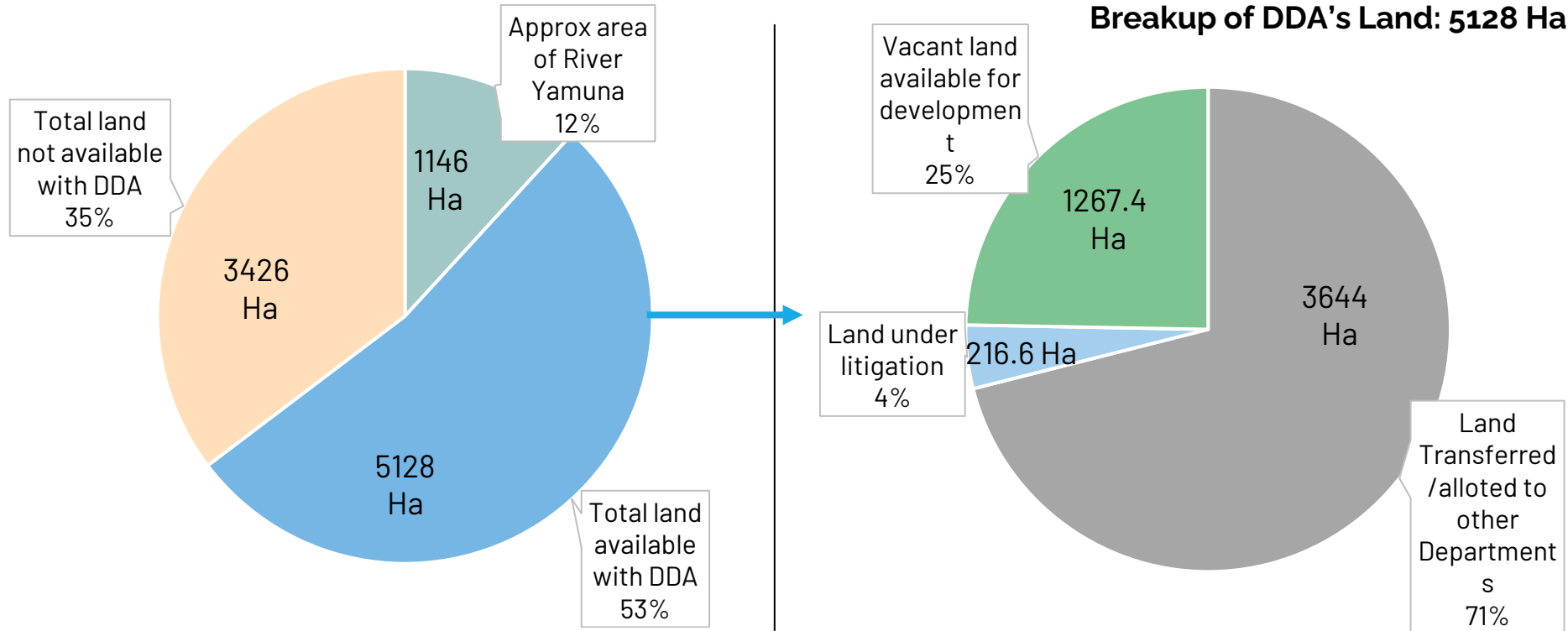


6.1. Total floodplain area along with break-up/ Action Plan and Plantation Drive (DDA)

Order
Para No.
3.6.2

Direction	Timeline	Progress
<i>DDA to submit total Flood Plain Area with breakup of restorative projects, encroachments, department-wise area allocated and the river surface area with geocoordinates.</i>	Within a fortnight	Preliminary information received

6.1. Total floodplain area along with break-up



6.1. Total floodplain area along with break-up/ Action Plan and
Plantation Drive (DDA)

Direction	Timeline	Progress
<i>"A major plantation along vulnerable stretches of Yamuna flood plains. (Plan by Mar, 2023 and implementation by Dec, 23)"</i>	Mar, 2023	DDA has plans to undertake mass plantation drives at its project sites. Detailed plan for the same will be submitted in March.

Action Taken:

About 1.2 lacs trees conducive to floodplain ecology and 92 lacs saplings of riverine grasses are being planted.

7. Utilization of Treated Wastewater

Action Plan by DJB (530 MGD)

90 MGD

Being used in Horticulture etc.



267 MGD

Mandatory Return Flow in Yamuna



530 MGD

Total Treated Sewage



70 MGD

Proposed : Raw water use at Palla (Tertiary treatment at Coronation pillar) : "*June, 2024*"

Bid document of Re-invitation of tender on HAM model is under process of approval.

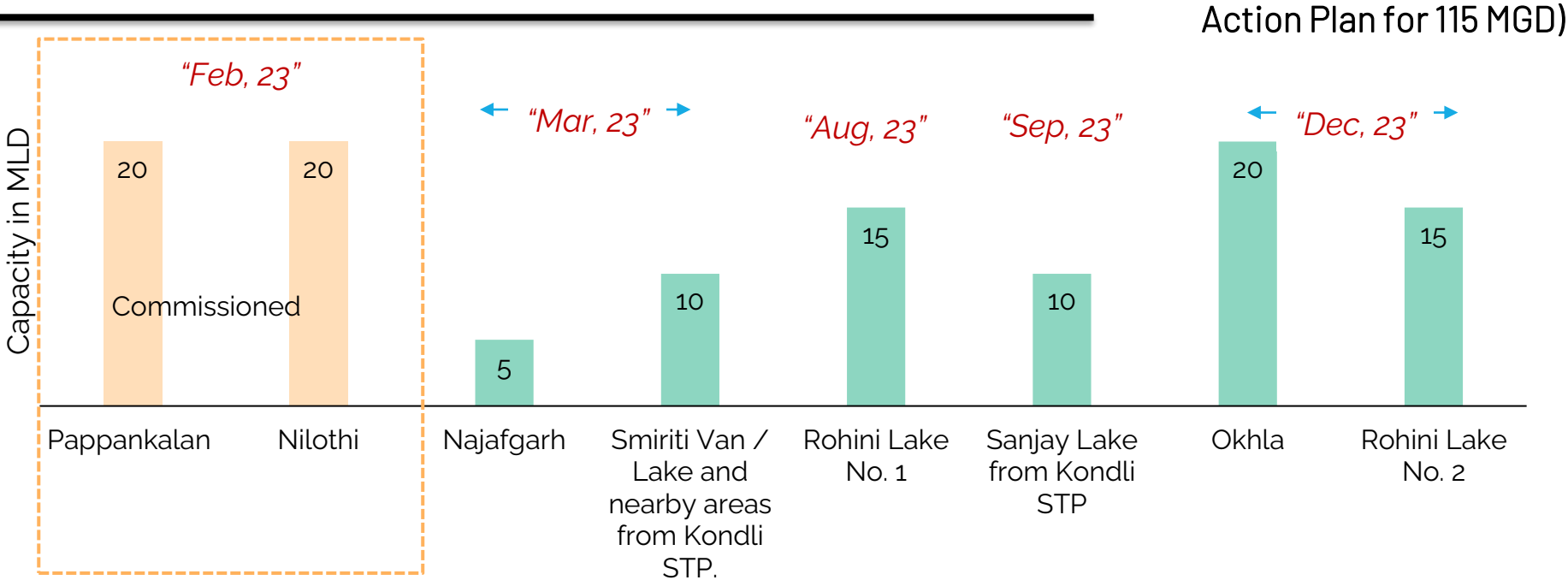


103 MGD

Gap



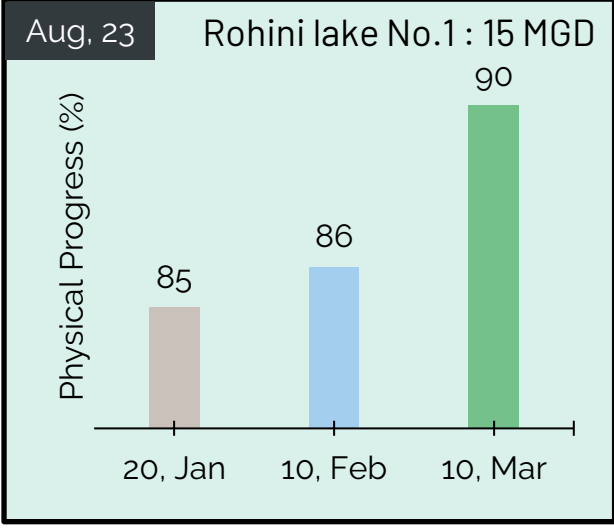
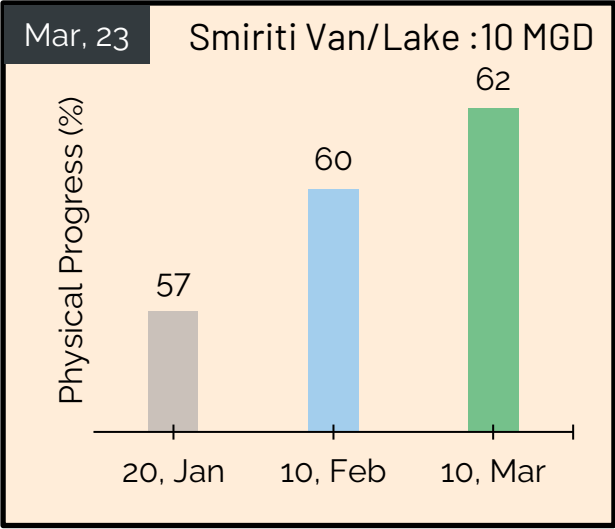
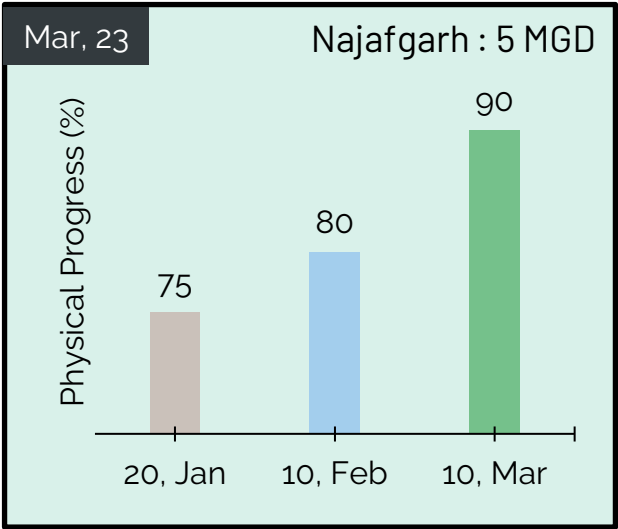
7.1. Action Plan for Utilization 115 MGD Treated Wastewater



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.

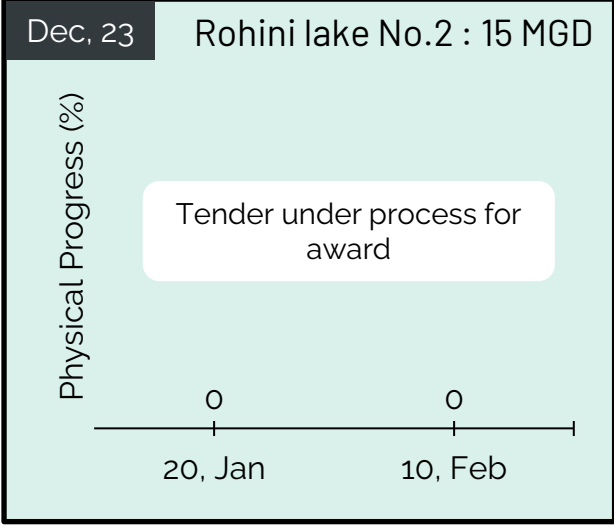
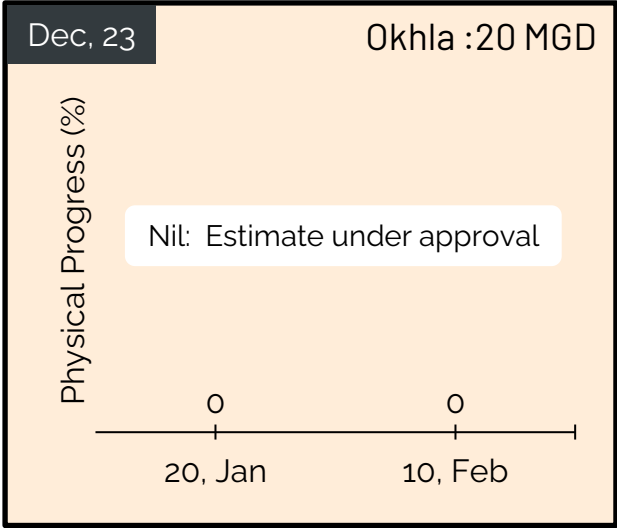
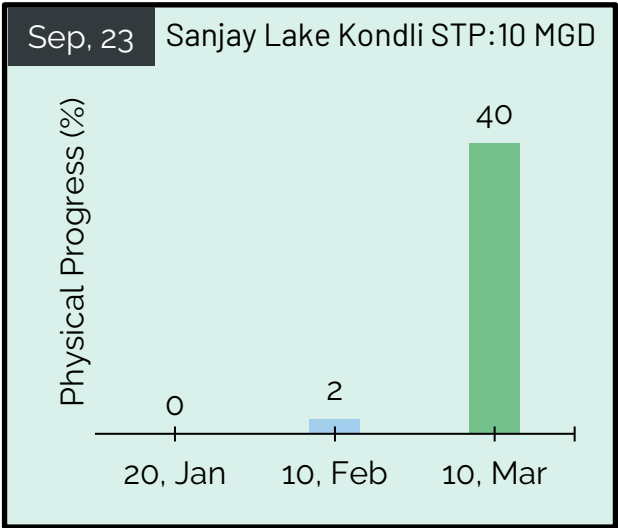
7.1. Action Plan for Utilization 115 MGD Treated Wastewater

Action Plan for 115 MGD)



7.1. Action Plan for Utilization 115 MGD Treated Wastewater

Action Plan for 115 MGD)



8.1. Company of Territorial Army to be provided by NMCG

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.

8.2. Campaign for Awareness and Involvement of Public

- IEC campaign for awareness as well as involvement of the public at large in the initiative to restore old glory of river Yamuna.
- *"Annual calendar of IEC activities be submitted by all agencies to the Convenor of HLC. (Action: DJB, DPCC, I&F Control and DDA)"*

Progress/Status:

- DPCC: Draft IEC Annual Calendar prepared and submitted to convenor.
- Web page created for outreach purposes
- DDA in process of preparing of IEC plan

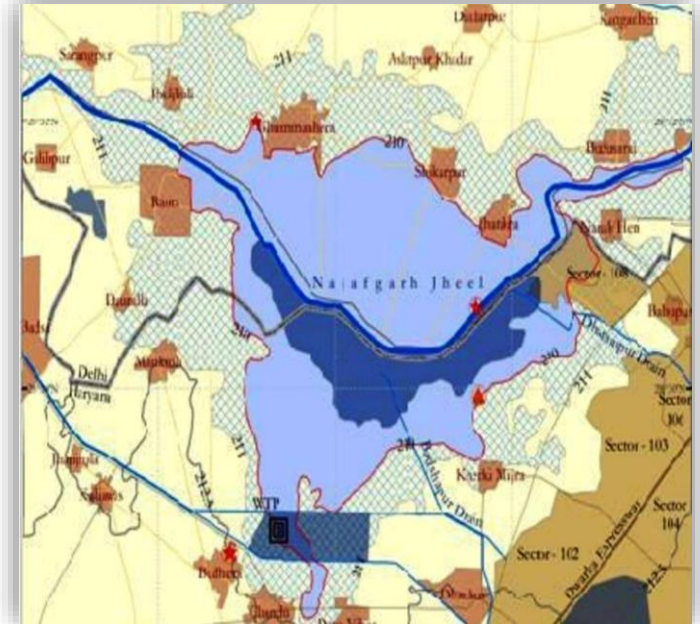
8.2. Campaign for Awareness and Involvement of Public

Draft IEC Annual Calendar : DPCC

#	Activity	Month/ Duration	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
1	Advertisements													
1.a	Calendars pamphlets	April												
1.b	Newspaper Advertisements	Every Sat of May												
1.c	Self-Adhesive Posters	June												
1.d	Cartoon Booklet	July												
2	Publicity Through Electronic Media/Website													
2.a	Private TV Channels through DAVP	Jan & Aug												
2.b	Private FM Radio Stations through DAVP	Feb & Sep												
2.c	DPCC Website/DPCC's Social Media Accounts	All Year												
2.d	SMS	Mar & Oct												
3	Production of Documentaries, Short Films													
3.a	DPCC website, DPCC's Twitter Account, DPCC's Facebook page	All Year												
4	Advertisement through Mass Media Transport Vehicles													
4.a	Through the State Govt. Buses, Delhi Metro, Bus Depots	Nov & Dec												
5	Special Drives during Festive Seasons													
5.a	Special focus before and during festive season when idols are immersed, Meetings with Puja samitis and Ganesh/Durga pandal and during Bakrid to Sensitize Public.	Festival Months												
6	Citizen Led Activities													
6.a	Yamuna Bank Cleanup Drives with NGOs	Apr & May												
6.b	Issue Identification on Green Delhi App	All Year												

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
Area under submergence according to contour lines Core 209 210 Zone of Influence 211 Zone of HIGH FLOODS 212.5 Submergence data: 1977 1643 acres 2243 acres including 1643 acres 3243 acres including 2243 acres	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
- IFCD - Forest - Delhi Jal Board - IFCD/Revenue/Public Works Department - Municipal Corporation of Delhi - DPCC - Power Department - Development Department - Revenue	- Problems related to rejuvenation and flood control. [IM] - Maintenance of Biodiversity, its assessment, creation of interpretation center. [LTM] - Monitoring of sewage and removal of water hyacinths. [MTM] - Road widening may not be done on the existing road on the embankment. To be rerouted for existing alignment along villages. [MTM] - Identification and maintenance of inflowing drains and their desilting. [MTM] - Water quality monitoring [Data Needs] - Rerouting of transmission lines. [MTM] - Initiatives towards organic agriculture. [MTM] - To formulate a land acquisition model for submerged land near Najafgarh Jheel. [MTM]



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)	Kalind Aviral (B) 98% Asita East (Part B) + Amrut Bio Diversity Park (90 Ha)	Amrut Bio
30 th Apr, 23	60 +20	632	-	23 / 70	116 / 13	-	-	Qudsia Ghat (16 Ha)	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	Construction of 40 New DSTPs:11 DSTPs- 12 Months after allocation of Land/ Land to be finalized in a fortnight by DDA/Revenue	1. DDA to allot land in all pending cases by March, 2023. 2. Revenue Department to explore Gram Sabha Land in place of private land. 3. DUSIB to handover land to DJB immediately and payment issue will be resolved as per approval of DUSIB subsequently. 4. Police Land matter will be taken up with Commissioner Police during coming meeting on Monday
2	"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.	DPCC : DO letter to MoHUA be sent for allocation of land expeditiously.



Way Forward

S.No.	Action Point	Intervention required
3	Physical Inspection of non-recorded Sub Drains of 18 Major Drains by Drain owning agencies: PWD, MCD, DDA, IFCD, DSIIDC etc.	A joint inspection by I&FCD and DJB to be carried out in the next one week and submit drain-wise feasible solutions in regard to actions to be taken. A template may also be prepared and Revenue Department may be asked to inspect and submit the report with photographs in a week.
4	Performance Audit of completely trapped 11 major drains and all sub-drains	DJB to undertake the Performance Audit of completely trapped 11 major drains and all sub-drains through an independent agency



Way Forward

S.No.	Action Point	Intervention required
5	Resolution of Land Issues wrt unauthorized colonies	Needs expedition
6	Company of Territorial Army to be provided by NMCG	Accommodation for remaining platoons is yet to be allocated. Pagoda tents of DUSIB may be explored by I&FCD for Territorial Army.
7	Lagging Projects requiring immediate attention	1. Upgradation of Rithala Phase -II 2. Desilting - Dwarka and Okhla STP 3. Asita West -Encroachment

Department of
Environment, GNCTD



Delhi Pollution
Control Committee



Thank you

