



Department of
Environment, GNCTD

Solid Waste Management in Delhi

Action Plan and Timelines

First Meeting of SWMC

25th April, 2023



Hon'ble National Green Tribunal (O.A. No. 606/2018)

- *Regarding "Compliance of Municipal Solid Waste Management Rules, 2016 and other environmental issues"*
- Delhi was heard by Hon'ble NGT on 16.02.2023 in presence of the Chief Secretary, GNCTD.

Hon'ble National Green Tribunal (O.A. No. 606/2018)

■ Order Dated : 16.02.2023

- Solid Waste Monitoring Committee (SWMC) headed by Hon'ble LG, Delhi, with the CS, GNCTD, as Convener constituted by the Hon'ble NGT (order dated 16.02.2023).
- To deal with all issues relating to SWM including setting up of new waste processing facilities, augmenting existing waste processing facilities and remediation of legacy waste sites.
- Timelines prepared be shortened and adhered to with laid down penal consequences against violations, and, officers of rank of Chief Engineers, given responsibility, be named for fixing responsibility for remediation of three sites as well as setting up of waste processing facilities.
- **Success of the committee will be viewed by outcome in terms of reduction of existing legacy waste quantum, reclamation of land and addressing the current gap in generation and treatment of waste and thus targets of the committee should be measurable and identifiable.**

6 April, 2023

- Detailed Action Plan with timelines prepared and Order issued.



National Capital Territory of Delhi



250
Wards



नई दिल्ली नगरपालिका परिषद्

14
Circles



8
Wards

272 Wards

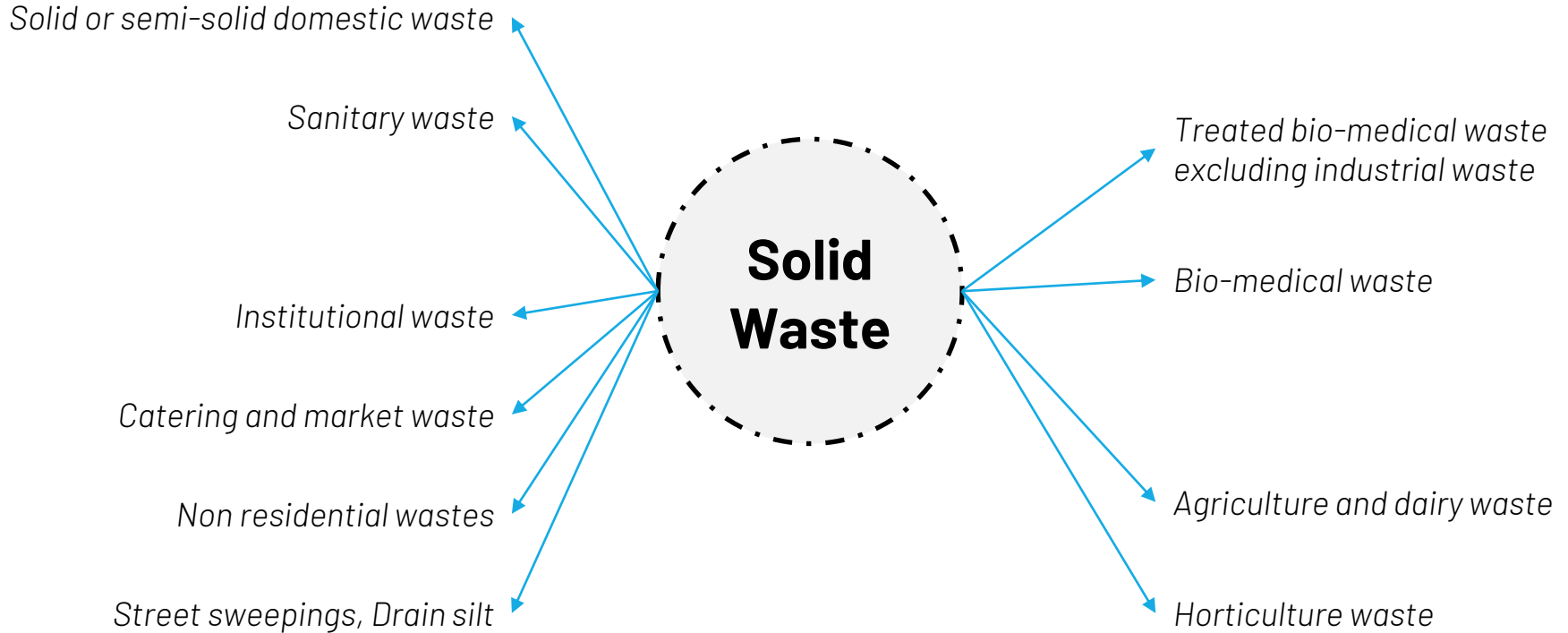
Population: 2.1 Crore

ULBs: 03

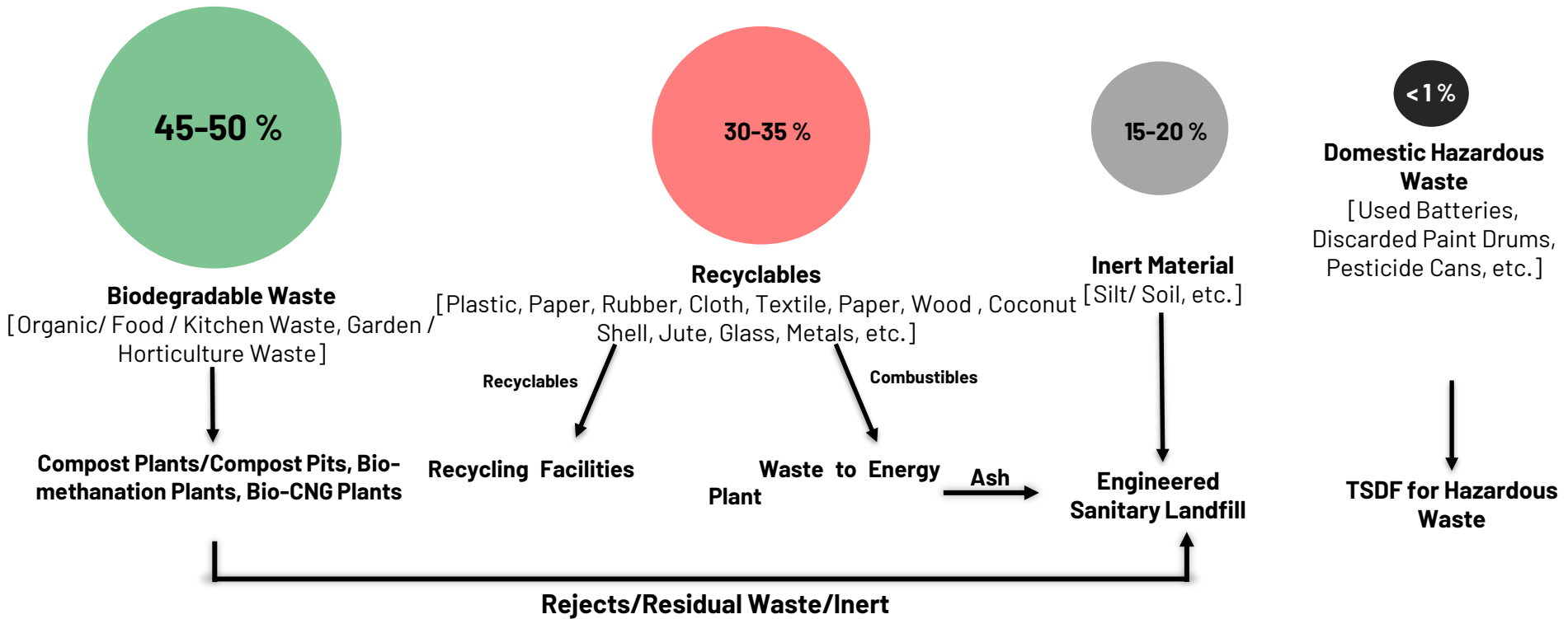


Districts: 11

Solid Waste: Definition



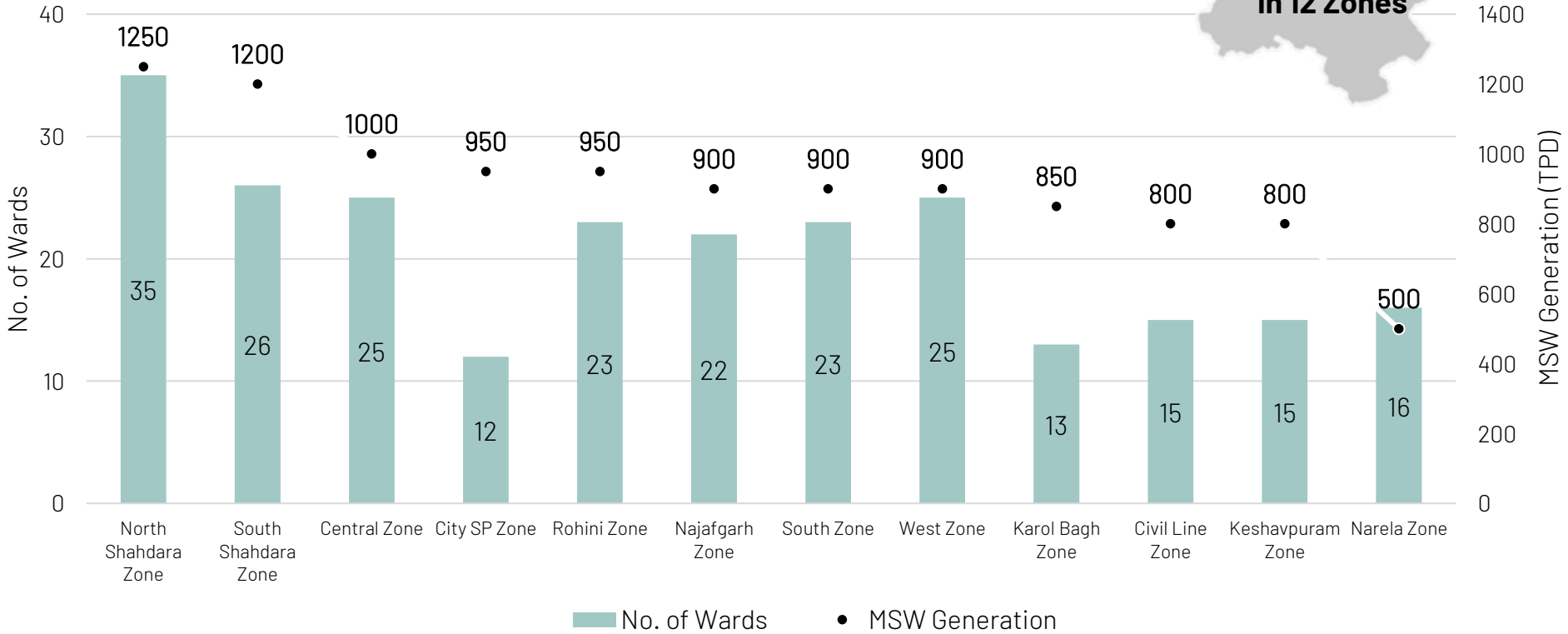
Composition of MSW



Solid Waste Generation

MCD

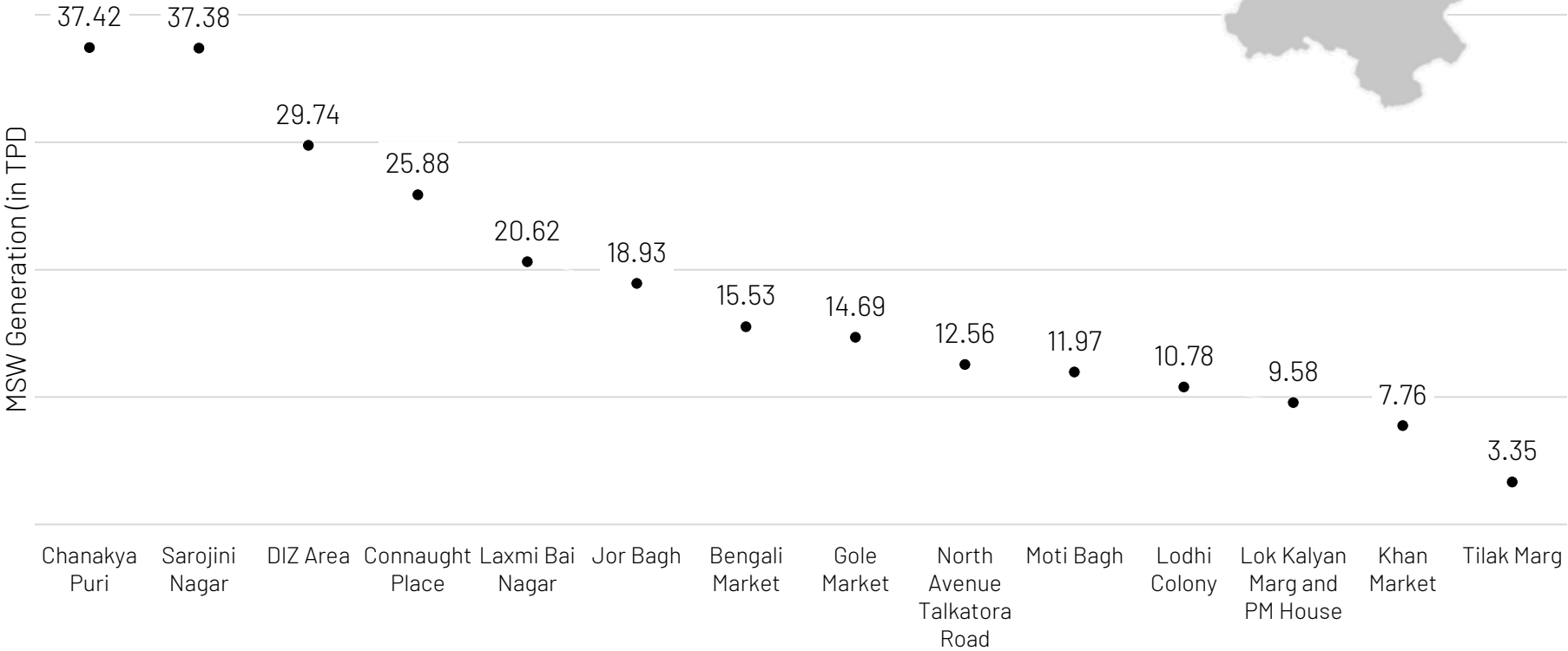
Zone wise MSW Generation: **11000 TPD**



Solid Waste Generation



Circle wise MSW Generation: **256.2 TPD**



Solid Waste Generation

DCB



Circle wise MSW Generation: **72 TPD**



Improvement of Solid waste Management in Delhi

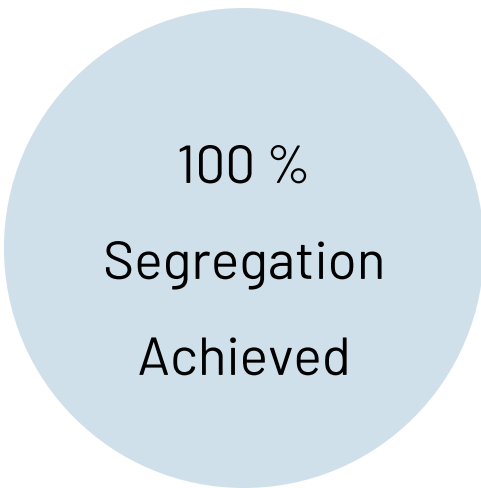
Major Action points

1. 100 % Segregation at Source
2. Transportation of all SW for Processing
3. 100 % Processing of all SW (setting up new plants and augmentation of old plants)
4. Bioremediation of entire legacy waste
5. Setting up of Engineered Sanitary Landfill
6. 100 % Processing of special waste (DH,SW, PW, HW, DW)
7. Other Issues

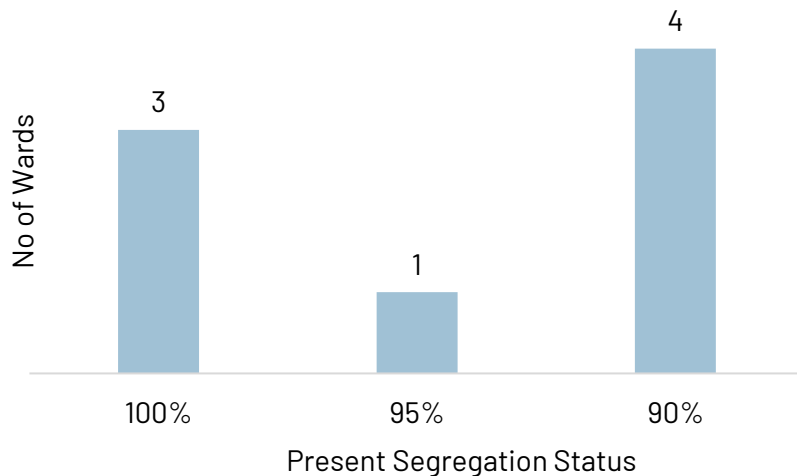
1. Collection & Segregation at Source – Status and Timelines



100 % Collection



NDMC: 14 Circles



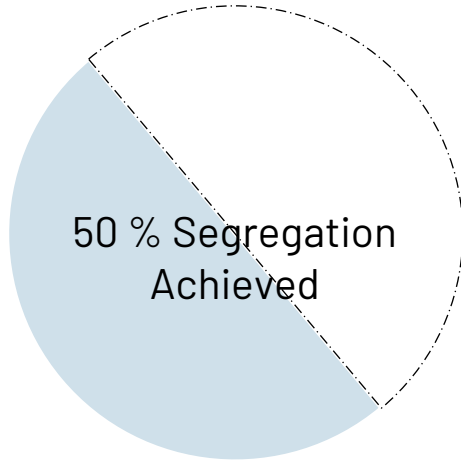
DCB: 08 Wards

Timeline: July, 2023

1. Collection & Segregation at Source – Status and Timelines (MCD)



100 % Collection



MCD: 250 Wards

Timelines:

75 % : Dec, 2023

100 % : Dec, 2024

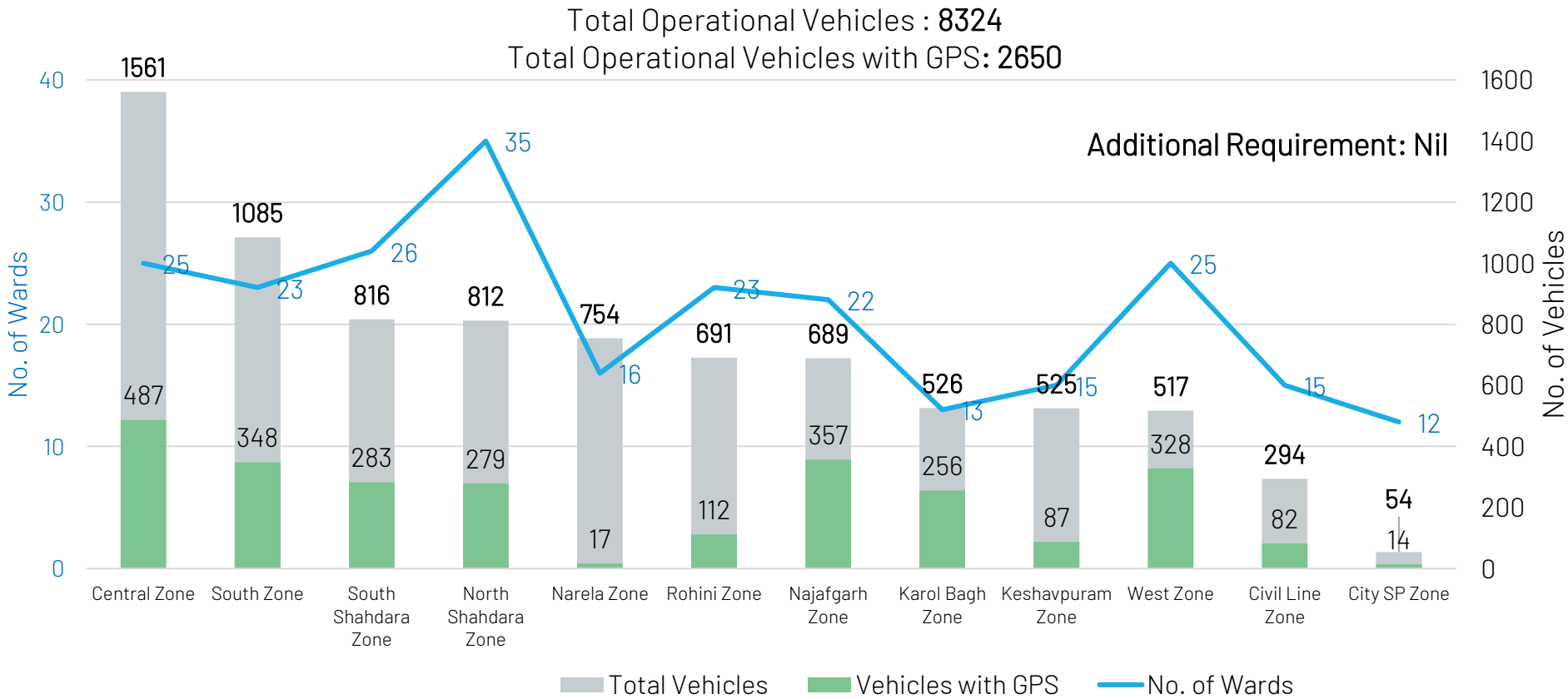
"Since ward-wise accountability for 100% segregation of MSW at source needs to be ensured, therefore, MCD to submit ward-wise timelines and responsible officers by 15th April, 2023 to the Convener of the SWMC for Solid Waste Monitoring."

"100% collection shall be continuously ensured, without fail. A performance audit shall be completed by 30th September, 2023 by all ULBs"

2. 100 % Transportation of MSW



MCD



2. 100 % Transportation of MSW



MCD

Operational Vehicles Includes:

1. Auto tipper - 1.75 cum & 1.8 cum
2. MTS - 14 cum & 18 cum
3. Hook Loader - 10.5 cum & 16 cum
4. RCV - 10 cum, 14 cum & 18 cum
5. Cycle Rikshaw - 150 kg
6. Bin Washer - 2000 ltrs
7. TATA 407(Silt Vehicle) - 2.5 cum
8. E-Rickshaws - 200 Kg
9. Mechanized Sweeping Machines - 4.5 cum & 6.5 cum

2. 100 % Transportation of MSW



Order
Para No.
3.4

Direction

*zone wise number of vehicles without GPS facility along with timelines for installing GPS and officers responsible for the same shall be provided **by MCD by 15th April, 2023.***

*Dashboard shall be placed in public domain for transparency and community engagement by **31st July, 2023.***

Status:

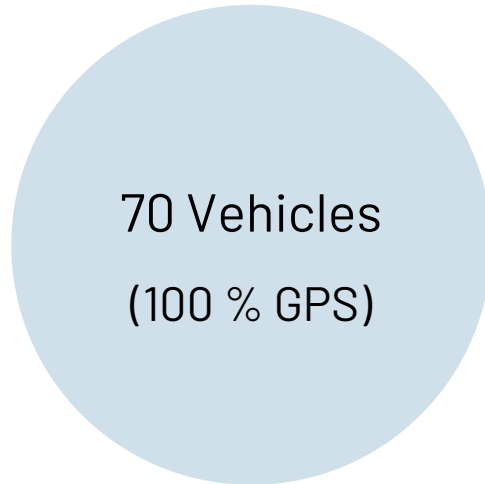
MCD: 100% Implemented in Mechanized Vehicles

2. 100 % Transportation of MSW

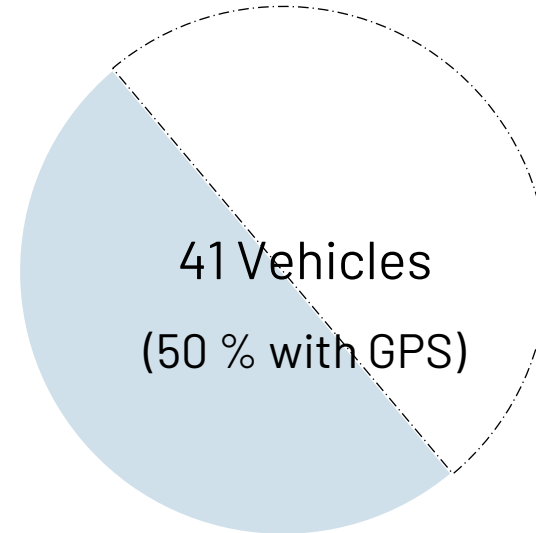


**NDMC/
DCB**

Additional Requirement: Nil



NDMC: 14 Circles



DCB: 08 Wards

2.1. Illegal dumping of Garbage on road sides/ vacant land (Green Delhi App.)



Rajpur Khurd Extension, Chhatarpur
28.4890345 77.1899733



Block C, Sangam Vihar
28.7279351 77.2125634



Block D, Sector 4, Madangir
28.5192727 77.2310107



JJ Colony, Sector 4,
Madangir
28.5192727
77.2310107



Brahampuri,
Shahdara
28.6800601
77.2659184

2.1. Illegal dumping of C&D waste (Green Delhi App.)



Subhash Park, Palam

28.6055883 77.0536683



Pitampura

28.68917709 77.10768741



Sector 10, Dwarka

28.5834715 77.0606671



Palam, Mahavir Enclave

28.5938666
77.0805246



East Azad Nagar,
Seelampur

28.666085
77.2796867

2.2. Cleaning of railway lines [MCD]

- Clearing of wastes along tracks in railway land by Railways and by MCD beyond
- MCD identified and mapped nearest dustbin/dhalo/FCTS for the railways to transport and dump the garbage therein. Plan was submitted to Railways.
- **As per Hon'ble Supreme Court:**
 - **Cost for Collection/ transportation /processing of MSW to be borne in 70: 30 Ratio (Railway : State Govt.)**



2.2. Action Plan for cleaning of railway lines [MCD]

- Joint survey being carried out - MCD and Railway officers in a pilot stretch for assessment of MSW lying along tracks within ROW of railway from Azadpur to Narela
- Joint inspection team will identify the location of MSW and its quantity for removal of the same to nearest secondary collection point.
- Frequency of dumping and locations of nearby habitation will be mapped for creation of any additional garbage collection points.
- Joint assessment report of pilot stretch will be submitted to MoHUA. Based on the outcome of this pilot study, same will be replicated.



SWM Rule 15 (h)

Local Bodies shall :

- *setup material recovery facilities or secondary storage facilities with sufficient space*
- *for sorting of recyclable materials to enable informal or authorised waste pickers and waste collectors*
- *to separate recyclables from the waste and*
- *provide easy access to waste pickers and recyclers for collection of segregated recyclable waste such as paper, plastic, metal, glass, textile from material recovery facilities*

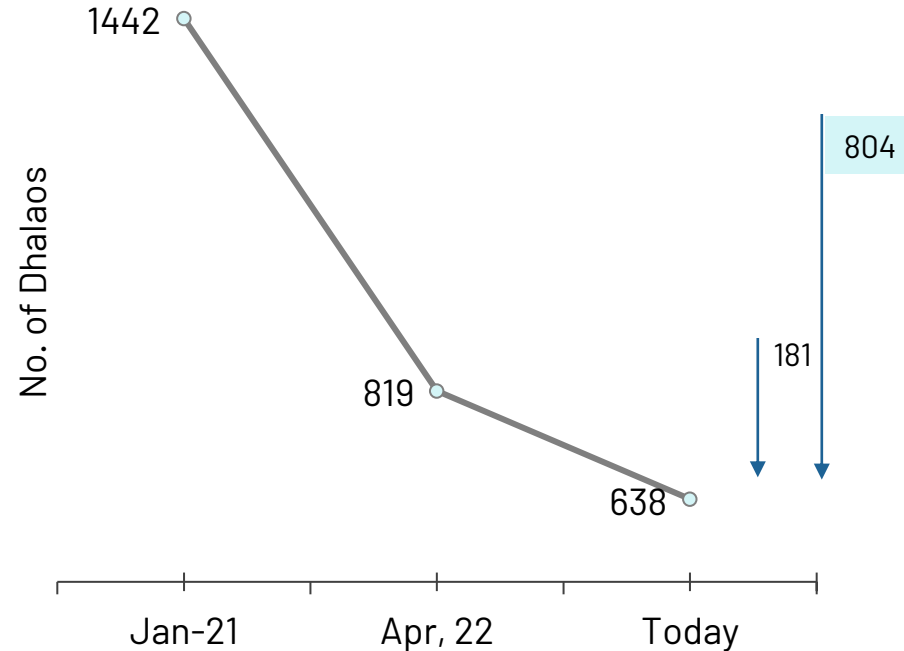
3.1 Secondary Storage/ Material Recovery Facilities

- 638 Dhalaos presently exist
- 521 : Proposed alternative use (Dec, 2024)
- 804 : Dhalaos Closed since Jan 21
 - 450 : Put for alternative use

Alternative uses

Amul Booth	Senior Citizen Recreation
Attendance Shelter/ SI	Merged in Parks
Office/Store	Telephone Tower
FCTS	Outsourced CSR
MRF	RP Cell
EV Charging Point	Library

- *As per SWM Rules door to door collection of waste is to be done and therefore dhalaos should be discouraged.*



3.1 Secondary Storage/ Material Recovery Facilities

Direction	Status
<i>“MCD submitted that the corporation shall ensure closure of existing 638 dhalaos by 31st December 2024 and some Dhalaos are planned to be retained for disposal of silt and street sweeping waste. The ward wise detailed timelines and responsible officers as well as number of dhalaos planned to be retained shall be submitted by MCD by 15th April, 2023 to the Convenor of the SWMC for Solid Waste Monitoring.”</i>	<i>MCD: All the dhalaos will be closed as per given timeline. One Dhalao per ward will be retained to cater sweeping silt</i>

3.1 Secondary Storage/ Material Recovery Facilities

- 263 : Fixed Compactor Transfer Station in Place
 - Capacity : 8855 Tons

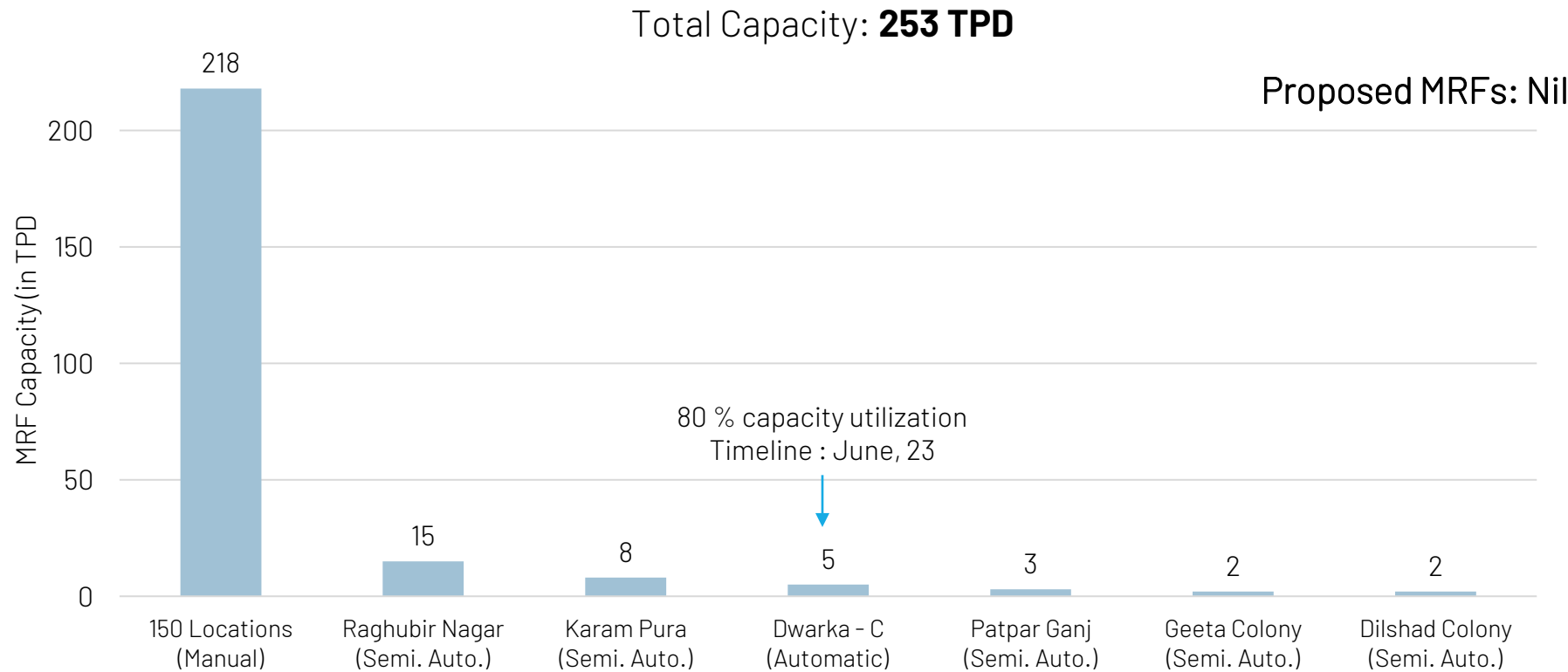
- Proposed FCTS (Dec, 2023)
 - Under construction : 28
 - Proposed : 13



3.1 Sorting and recovery of recyclables (MRFs)



MCD

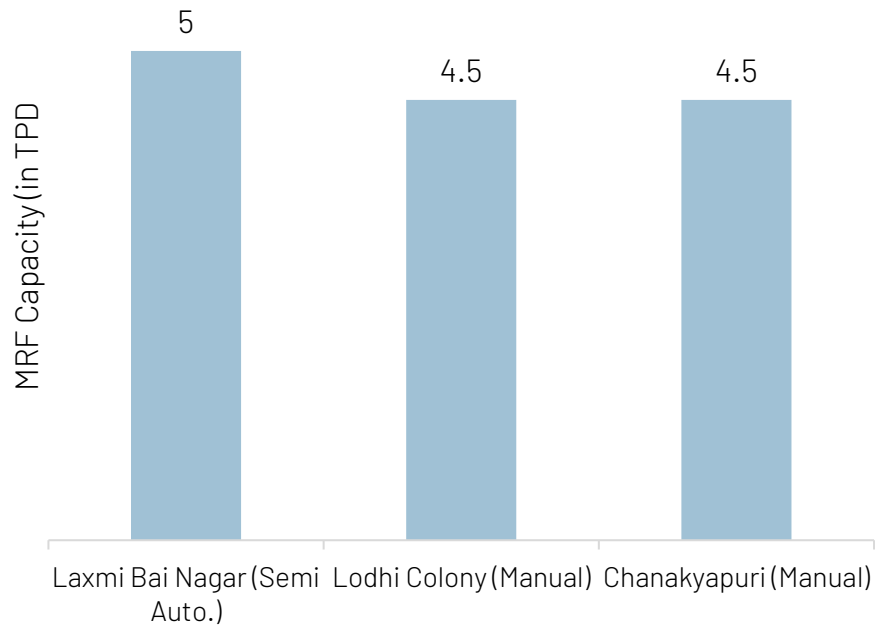


3.1 Sorting and recovery of recyclables (MRFs)



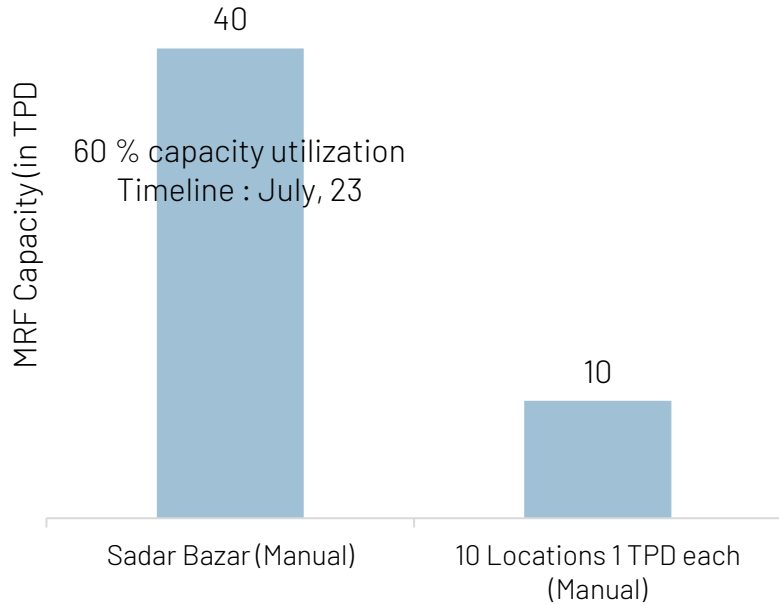
NDMC/
DCB

NDMC: Total Capacity: 14 TPD



Proposed MRFs: 1 TPD at Kartavya Path

DCB: Total Capacity: 50 TPD



Proposed MRFs: Nil

3.1 Sorting and recovery of recyclables (MRFs)



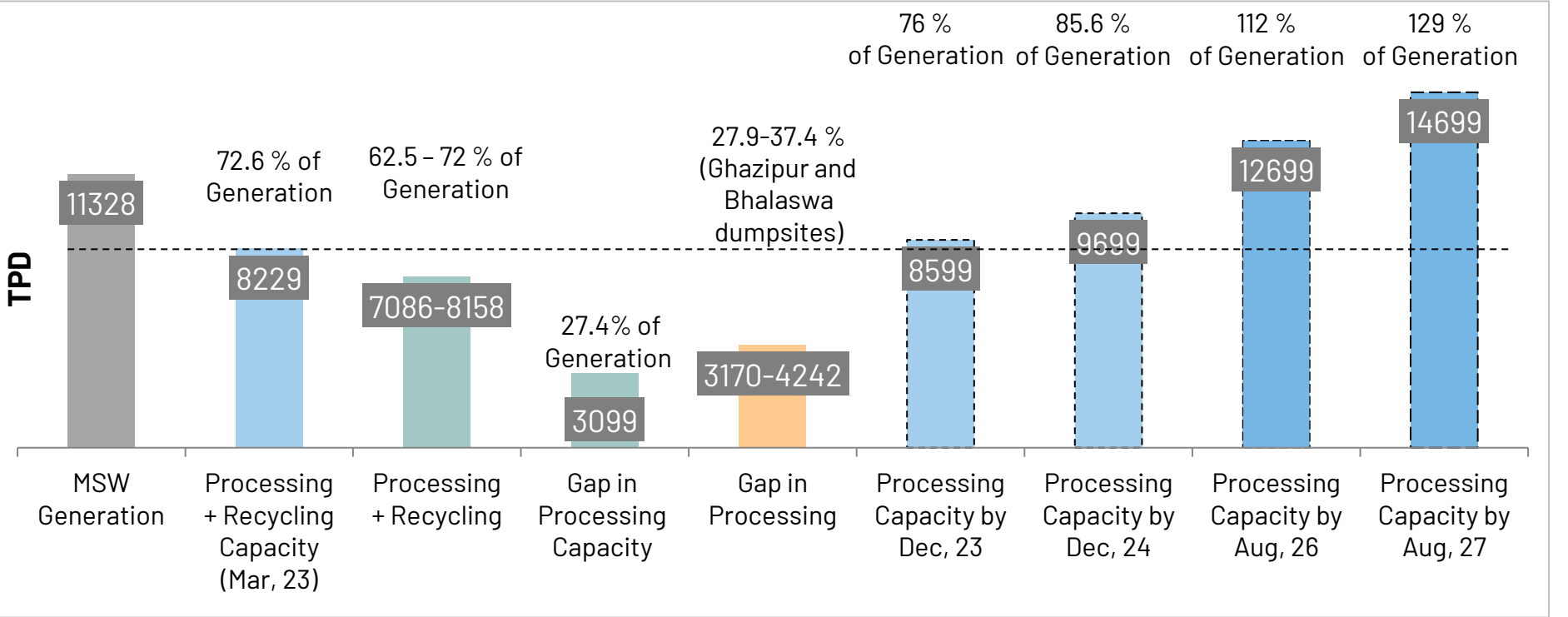
Order
Para No.
3.5.1

It is observed that there is a probable gap of 3966 TPD (considering 35 % of MSW as recyclable MSW), which needs to be ascertained by the ULBs, so that sufficient MRFs are available for sorting and recovery of all the MSW generated.

Direction

*Urban local bodies shall get a professional assessment on the requirement of MRFs completed by **30th June, 2023** as per extant rules and regulations.*

3.2 MSW Generation/Processing status & Plans

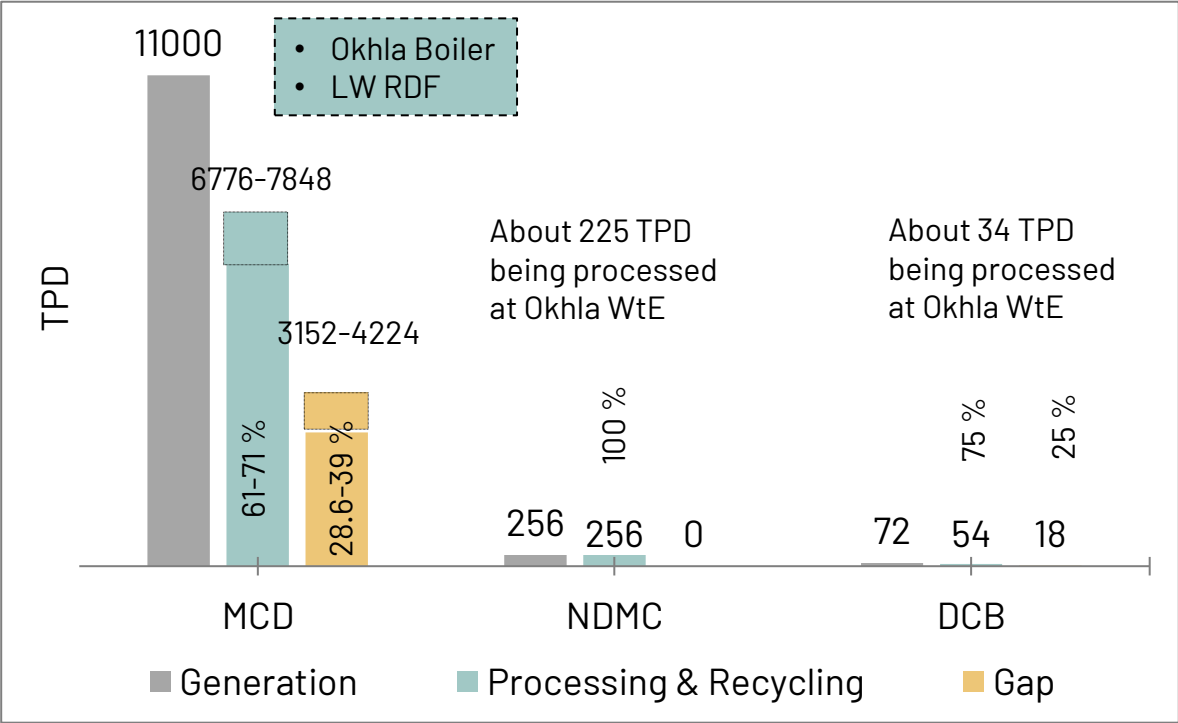


3.2. ULBs wise MSW Generation, Processing & Disposal

Total MSW Generation - 11328 TPD

Percentage of Fresh MSW Processing:

- NDMC: 100 %
- DCB: 75 %
- MCD: 61- 71 %

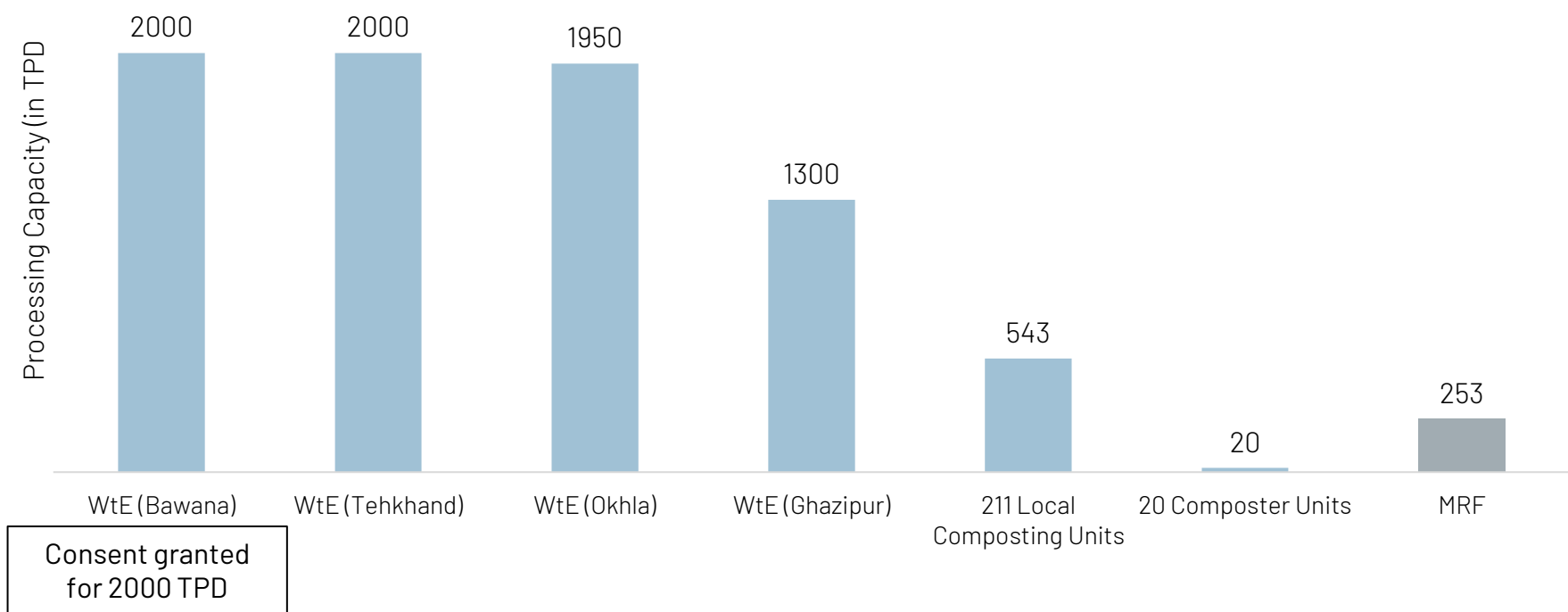


3.2.1 Existing MSW processing Facilities

11000 TPD Generation

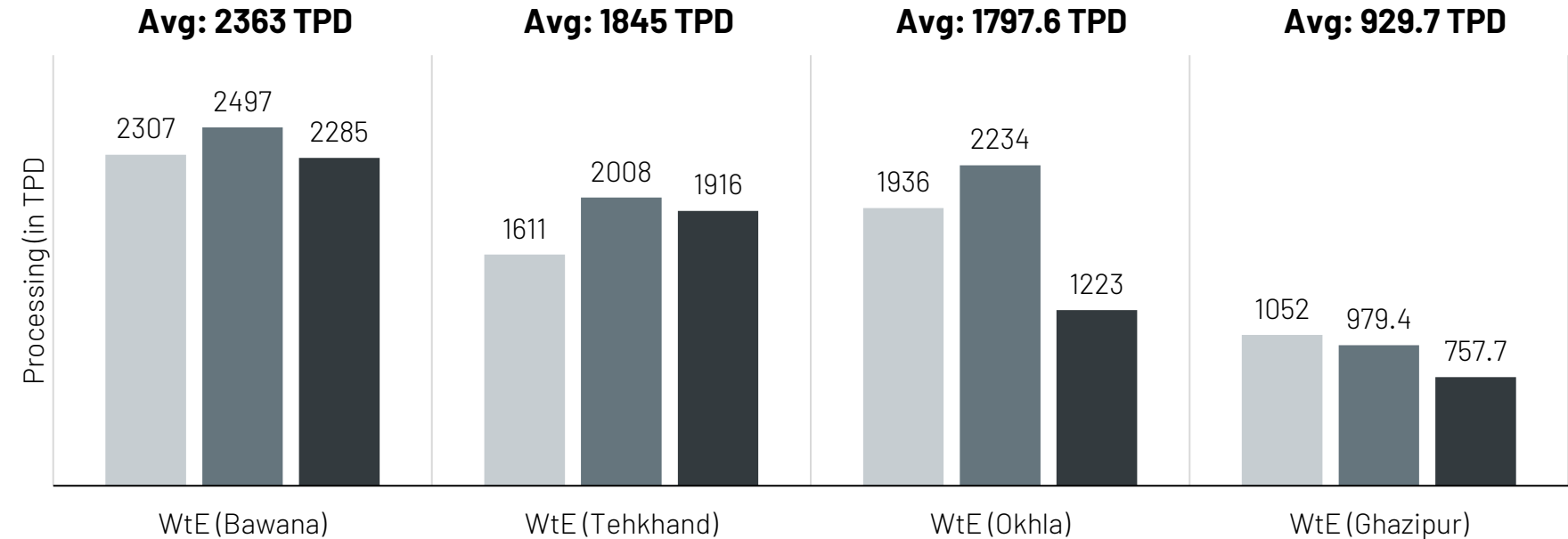
MCD

Capacity: **7813 + 253 (MRF) = 8066 TPD**

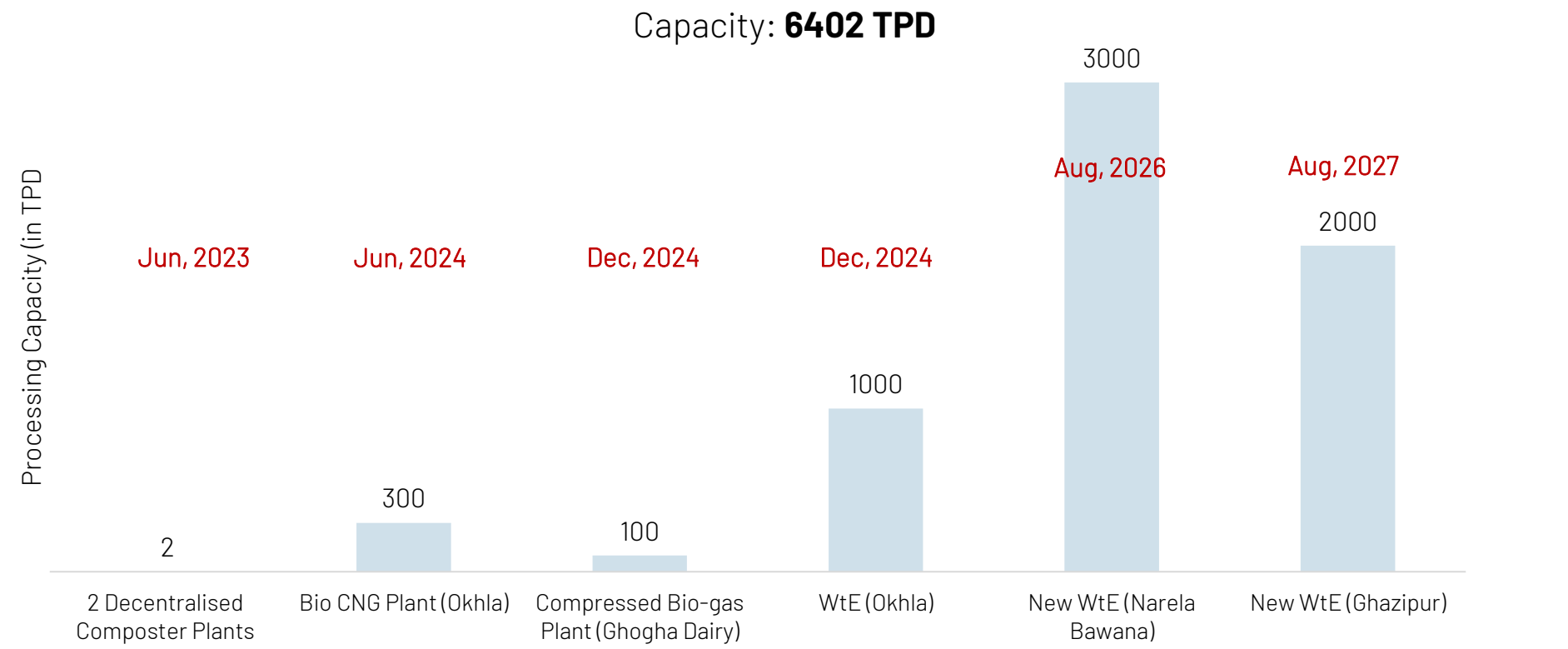


3.2.1. MSW processing by WtEs (Jan – Mar, 23)

Total Average Processing: 6935.4 TPD



3.2.1. Proposed MSW processing Facilities



3.2.1. Proposed MSW processing Facilities

MCD [Gap in processing: 3507 TPD (32%) against Generation of 11000 TPD]

S. No.	MSW Facility & Location	Capacity (in TPD)	Timeline	Progress
1	Two Compost Plants at Vishwas Nagar & New Ashok Nagar of 1 TPD each	2	Jun, 23	Work under progress.
2	One Bio-CNG Plant at Okhla	300 TPD (In place of existing Closed Compost plant of 200 TPD)	June, 24	• Augmentation of capacity of Centralised Compost Plant of 200 TPD by 100 TPD and conversion into Bio-CNG Plant. • Work under process. Demolition of existing structure is being done. • Present Progress- 10 %.
3	Compressed Bio-Gas Plant at Ghogha Dairy	100	Dec, 24	• MoU signed with IGL on 04.01.2022 for setting up of the CBG Plant at Ghogha Dairy • 3 Acre land identified. • IGL has awarded work

3.2.1. Proposed MSW processing Facilities

MCD

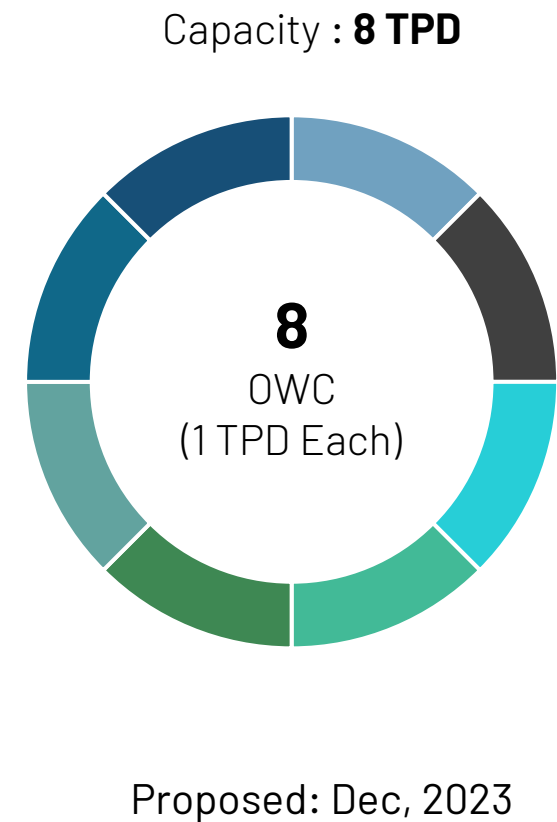
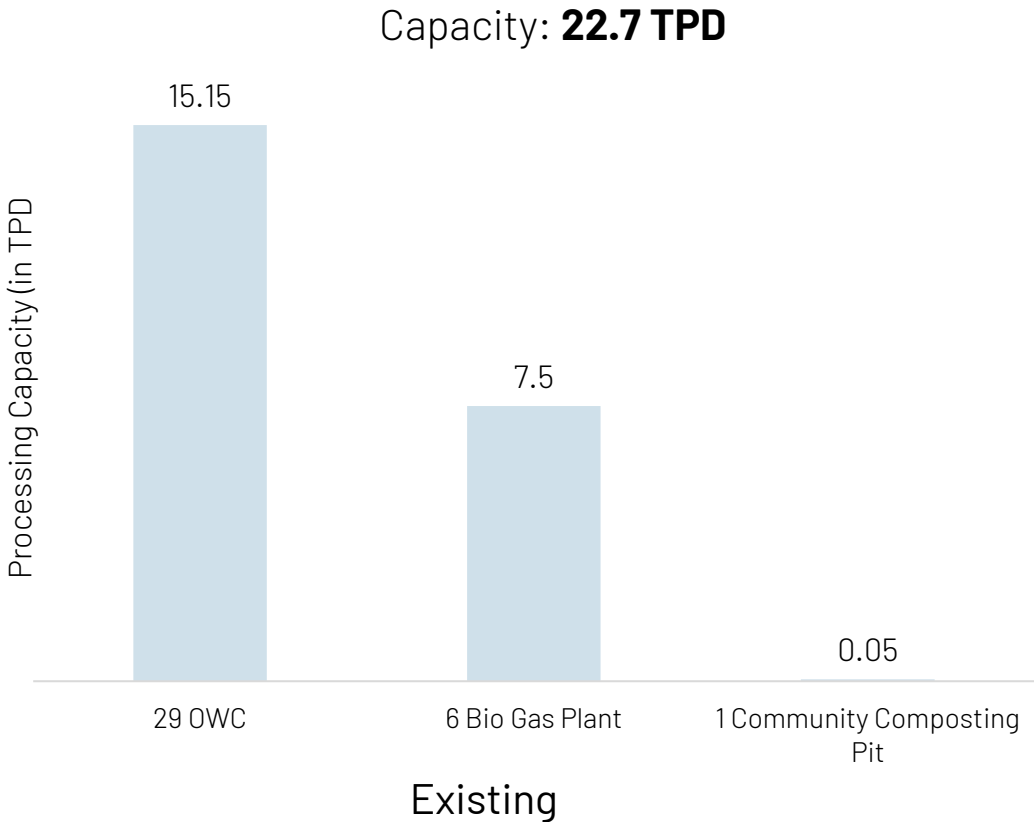
[Gap in processing: 3507 TPD(32%) against Generation of 11000 TPD]

S. No.	MSW Facility & Location	Capacity (in TPD)	Timeline	Progress
4	Expansion of existing WtE at Okhla	1000 (From 1950 TPD to 2950 TPD)	Dec, 24	- Public Hearing held on 16.08.2022 & Proceedings of Public Hearing sent to MoEF&CC on 24.08.2022. - Environmental Clearance granted by MoEF&CC on 09.01.2023.
5	New Waste to Energy Plant at Narela - Bawana	3000	Aug, 2026	- Regional Centre for Urban & Environmental Studies (RCUES), Lucknow engaged for providing Transaction Advisory Services - Bids received for selection of Concessionaire through tariff-based bidding process. Petition filed in DERC for adoption of lowest levelized tariff. Last hearing held on 17.02.2023 and orders reserved.
6	New Waste to Energy Plant Ghazipur	2000	Aug, 2027	Administrative approval accorded. Tender document being prepared.
	Total	6402 TPD		

3.2.1. Existing & Proposed MSW processing Facilities

256 TPD Generation

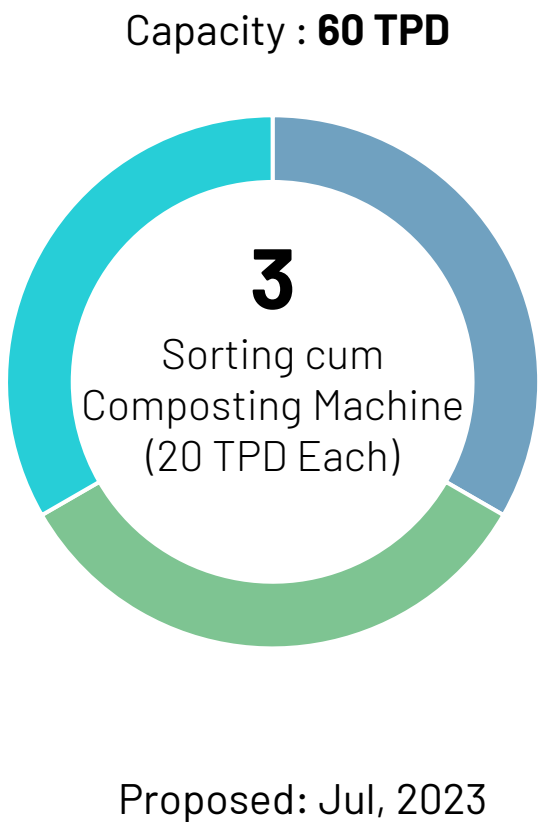
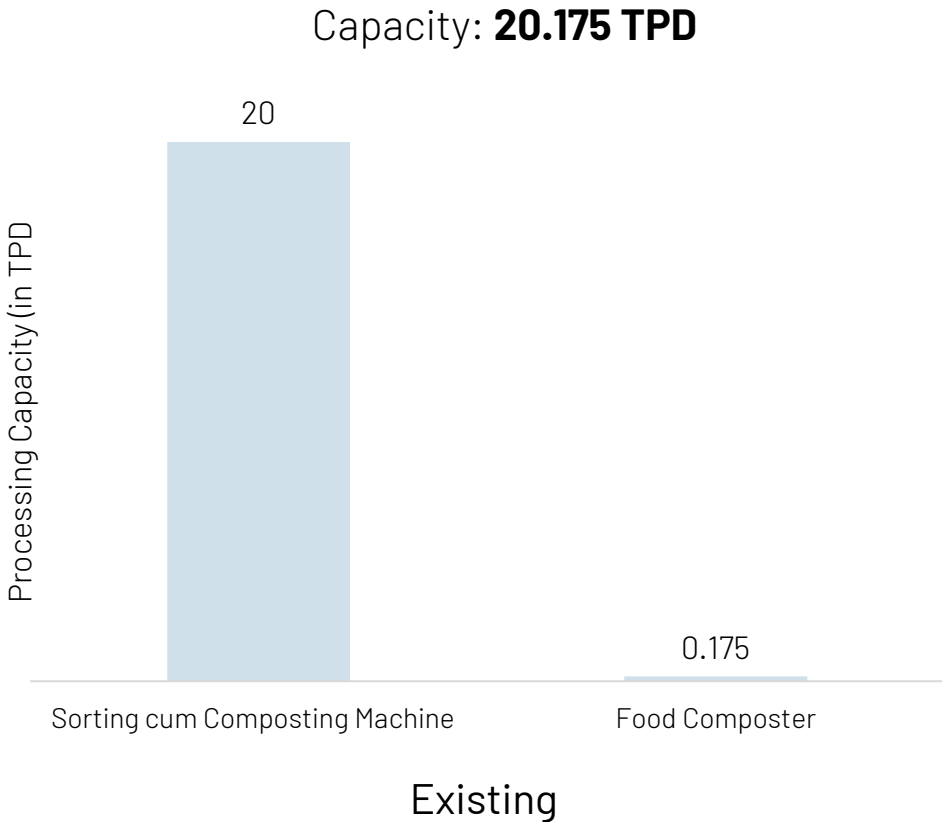
NDMC



3.2.1. Existing & Proposed MSW processing Facilities

72 TPD Generation

DCB



3.2.1. Proposed MSW processing Facilities

[NDMC: Gap in processing: Nil]

Type of MSW Facility	Nos	Location	Capacity (in TPD)	Timeline
Organic Waste Composters	08	8 Locations	8 TPD (1 TPD Each)	Dec, 2023

[DCB: Gap in processing: 18 TPD (25%) against Generation of 72 TPD]

Type of MSW Facility	Nos	Location	Capacity (in TPD)	Timeline
Sorting cum composter	03	Kirby Place, Delhi Cantt.	60 TPD (20 TPD Each)	July, 2023

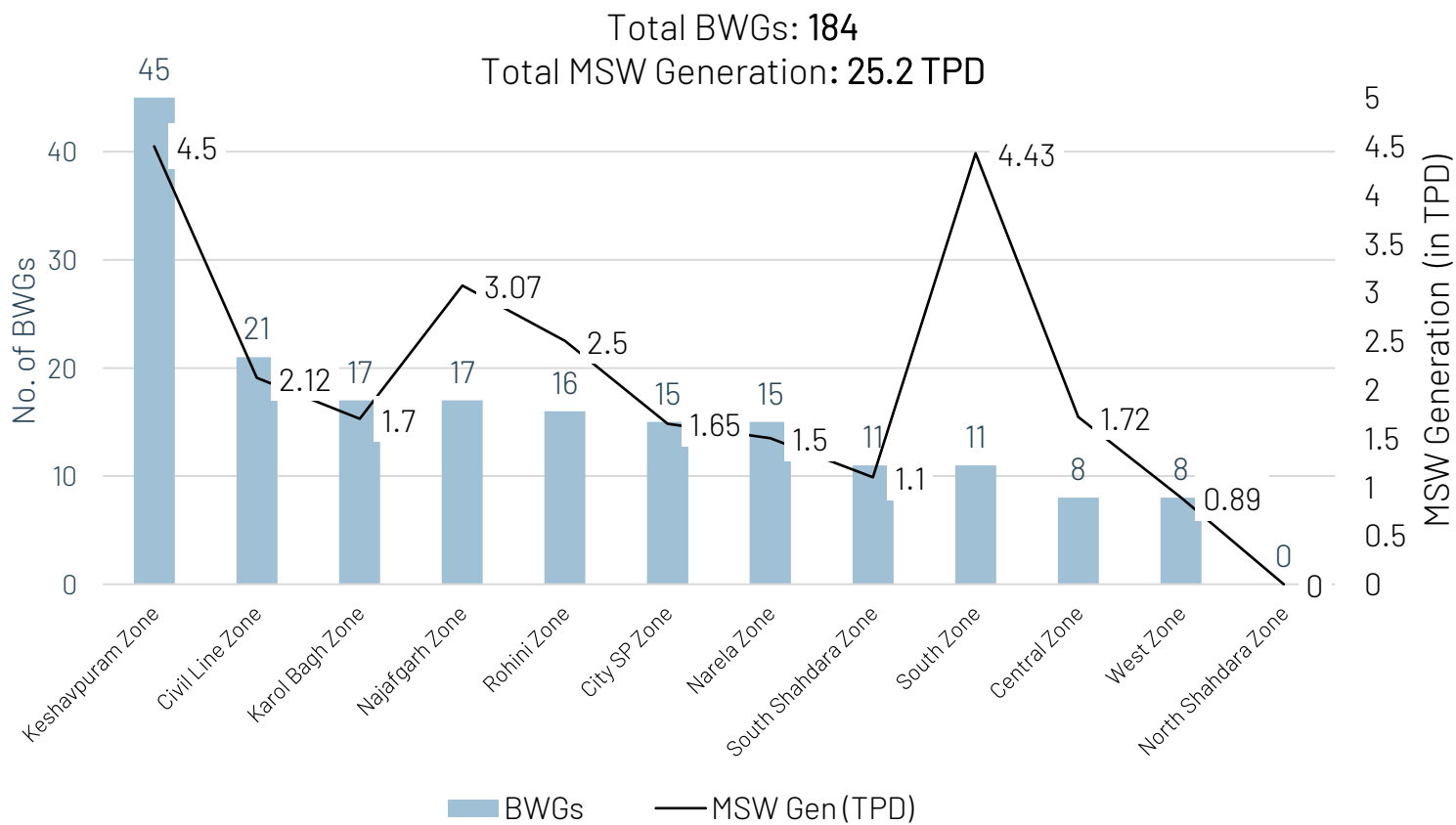
3.3. Bulk Waste Generators (BWGs)

Rules

BWGs means and includes buildings occupied by the Central government departments or undertakings, State government departments or undertakings, local bodies, public sector undertakings or private companies, hospitals, nursing homes, schools, colleges, universities, other educational institutions, hostels, hotels, commercial establishments, markets, places of worship, stadia and sports complexes having an average waste generation rate exceeding 100kg per day;

Rule 4 (8) : *Bio-degradable waste generated shall be processed, treated, and disposed of through composting or bio-methanation within the premises as far as possible. The residual waste shall be given to the waste collectors or agency as directed by the local body.*

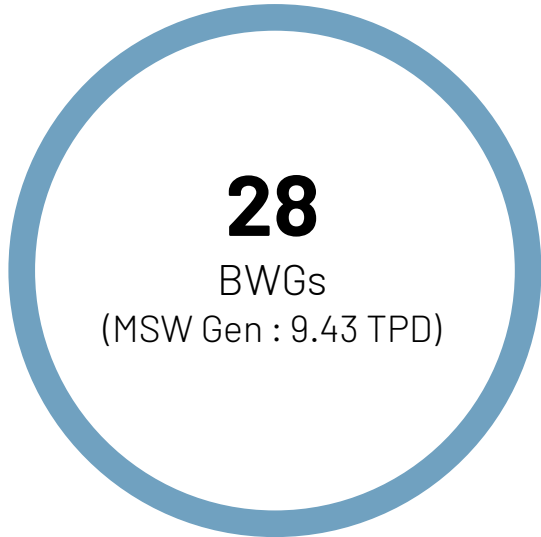
3.3. Bulk Waste Generators (BWG)



Status of
Decentralized
Waste Processing
Facilities:

Data collection is
under process from
all 12 Zones

3.3. Bulk Waste Generators (BWG)



Status of DWPFs : 100 %Installed

NDMC

No BWGs

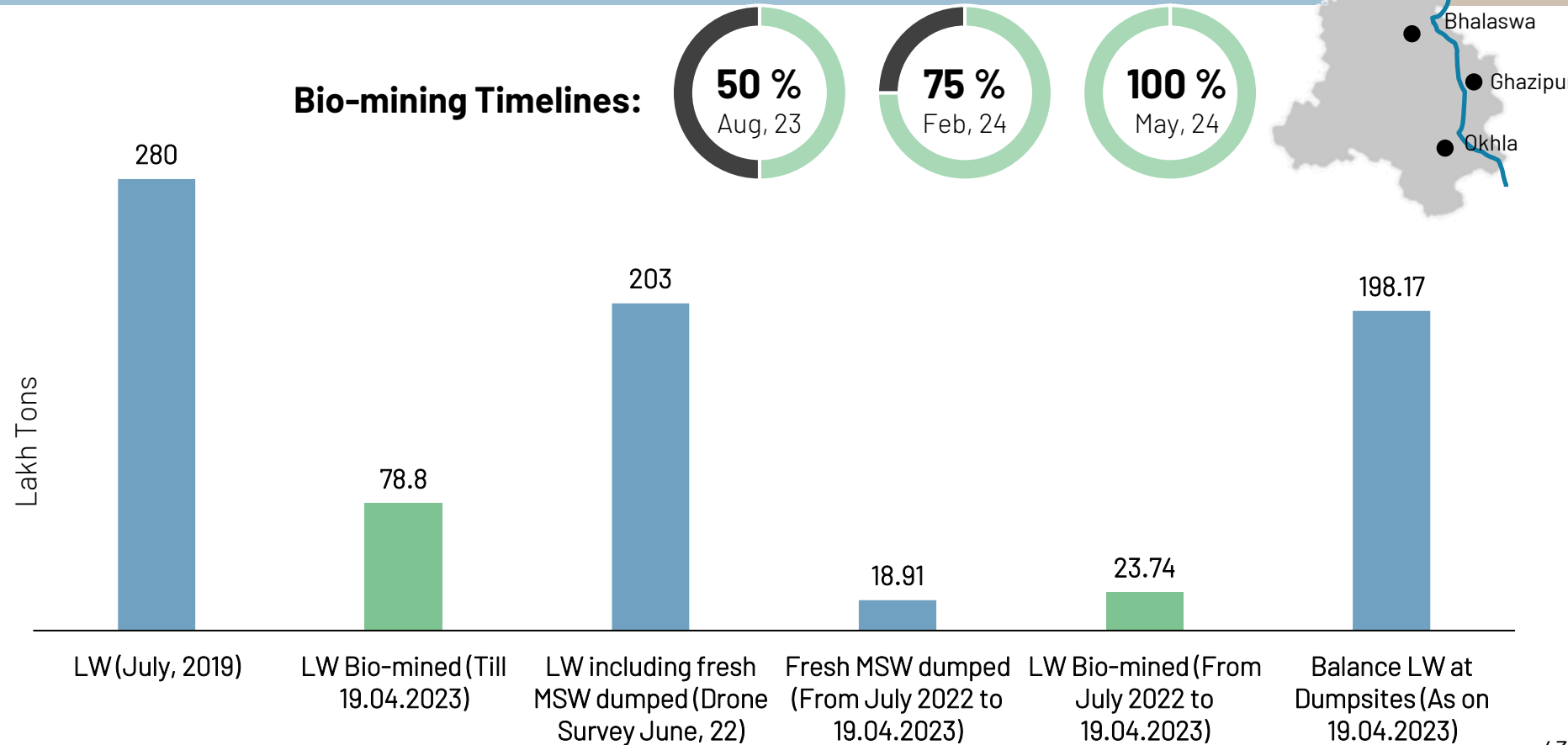
DCB

3.3. Bulk Waste Generators (BWG)

Direction	Department	Timeline
The data of BWGs in all of 12 zones of MCD along with status of DWPFs in such BWGs shall be provided by MCD by 30th April, 2023 to the Convenor of the SWMC for Solid Waste Monitoring.	MCD	30th April, 2023
A revised inventory along with details of BWGs in every Ward / circle/ Zone in respective jurisdictions of the ULBs along with officers responsible for a comprehensive inventory, assessment of quantum of waste generated by these generators and status of DWPFs in their premises shall be submitted to the Convenor of the SWMC for Solid Waste Monitoring by 30th June, 2023.	MCD, NDMC and DCB	30th June, 2023

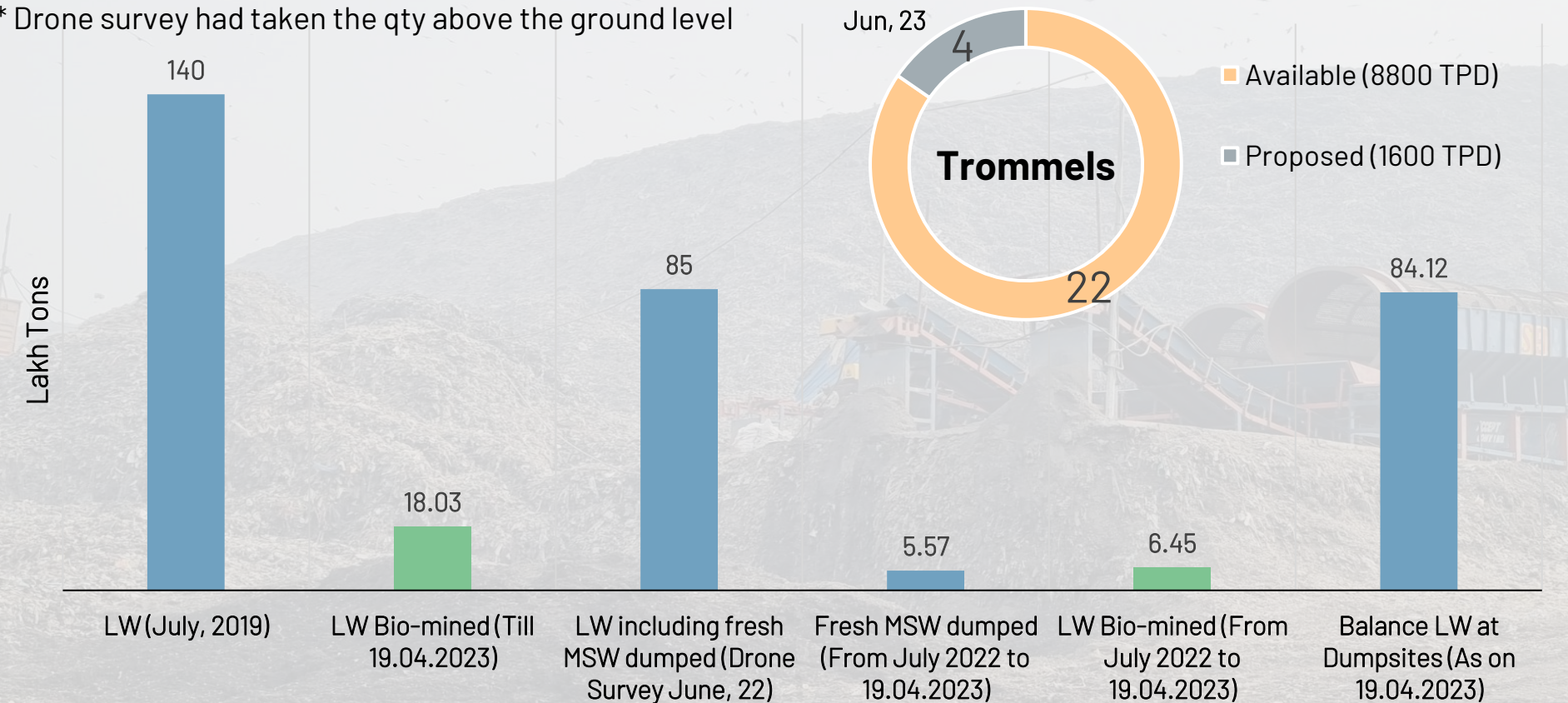
4. Bio-mining of Legacy Waste

MCD



4. Bio-remediation of Legacy Waste

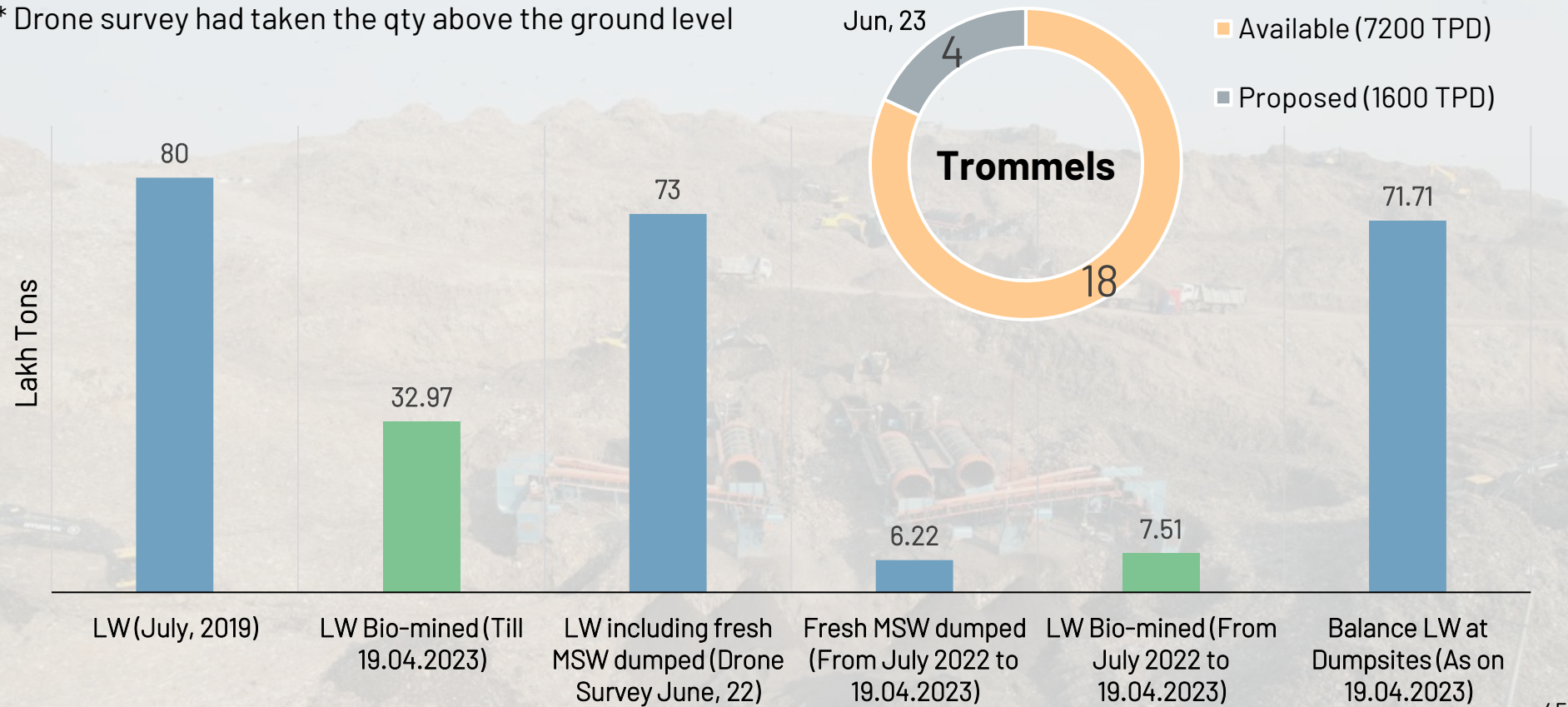
* Drone survey had taken the qty above the ground level



4. Bio-remediation of Legacy Waste

Bhalaswa

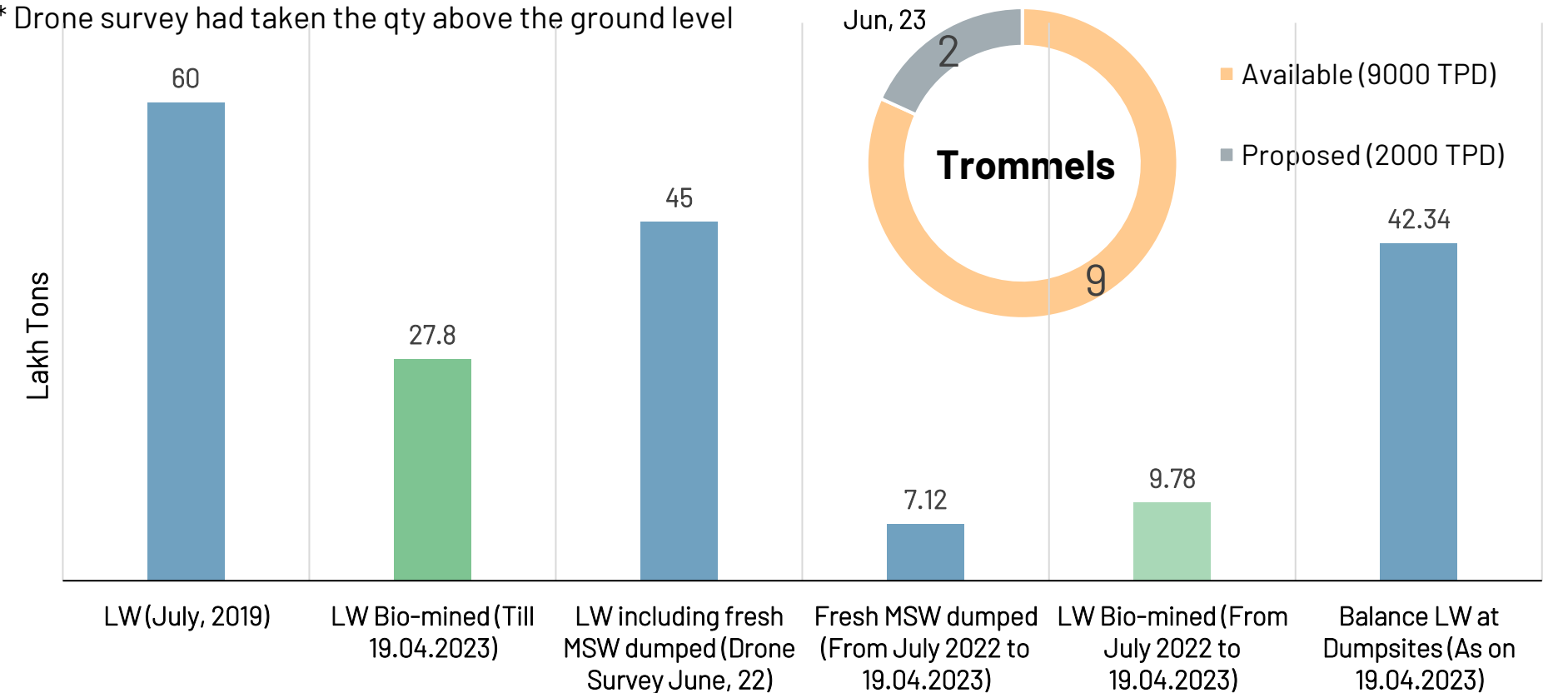
* Drone survey had taken the qty above the ground level



4. Bio-remediation of Legacy Waste

Okhla

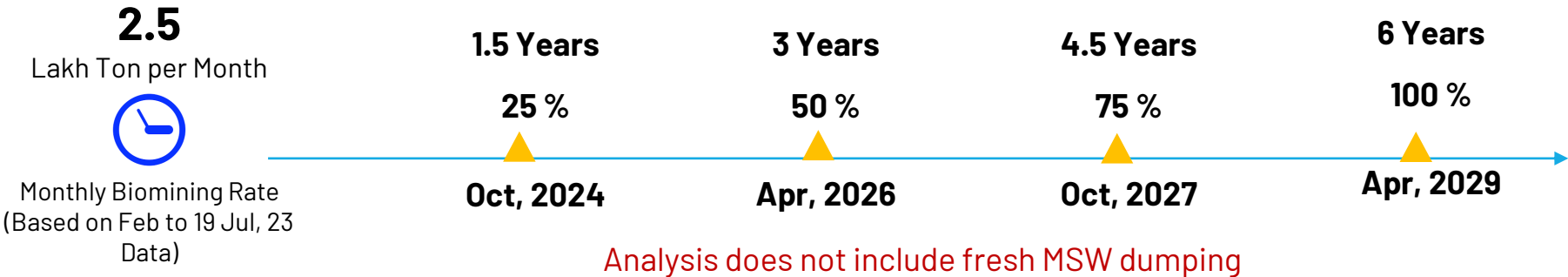
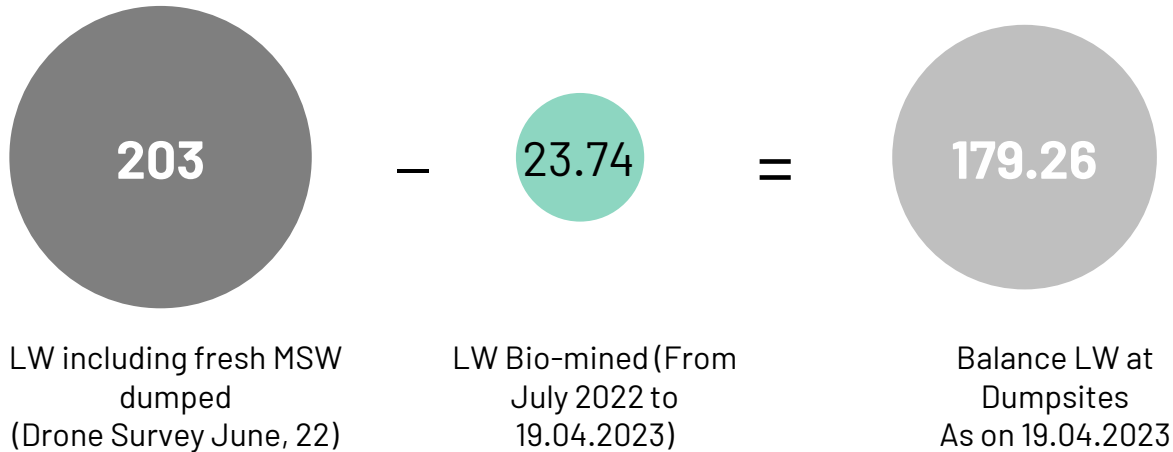
* Drone survey had taken the qty above the ground level



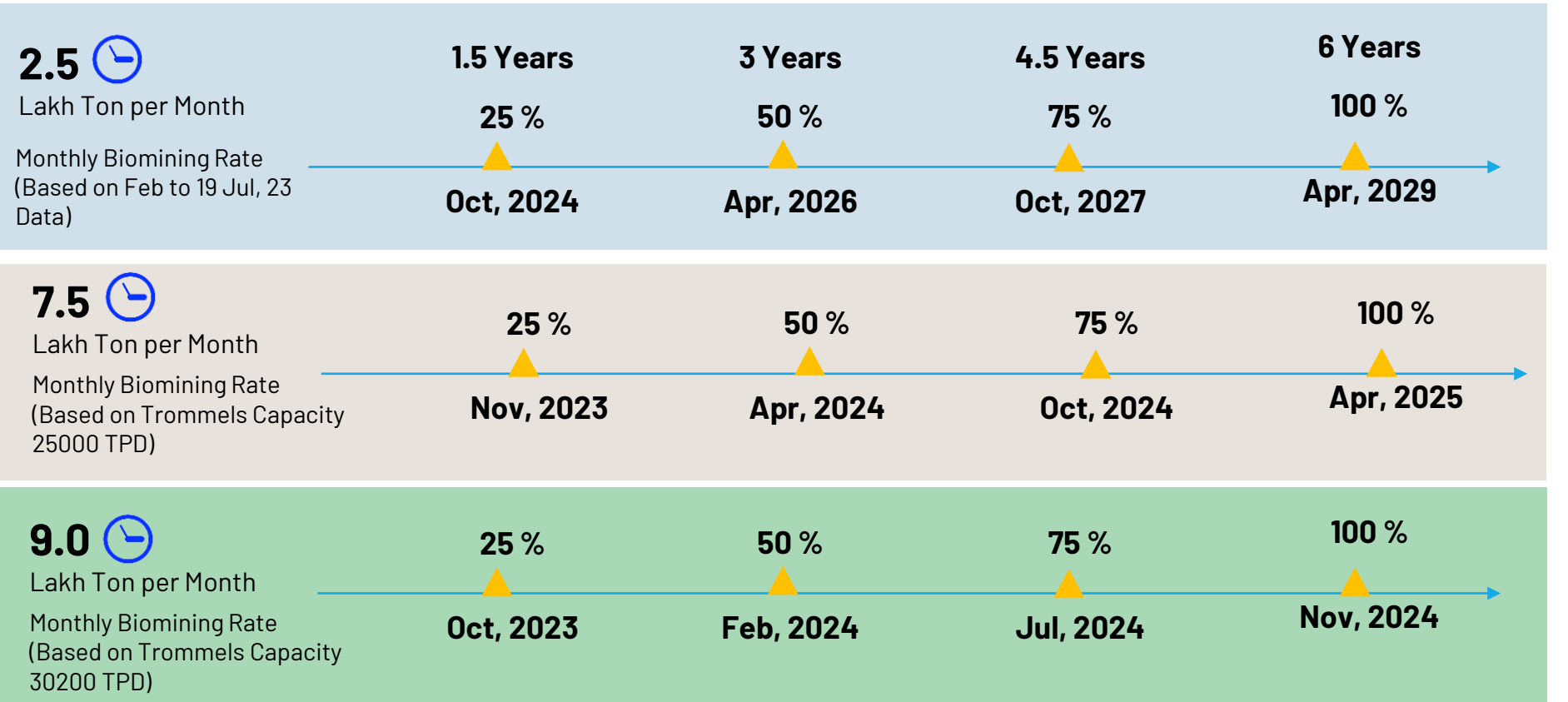
4. Bio-remediation of Legacy Waste - Analysis

MCD

* Drone survey had taken the qty above the ground level



4. Bio-remediation of Legacy Waste - Analysis



Analysis does not include fresh MSW dumping

4. Bio-mining of Legacy Waste

Direction	Timeline
MCD shall engage additional 10 trommels (5,200 TPD capacity) by 30th June, 2023.	30th June, 2023
MCD should assess realistically the number of trommels required to be engaged and indicate dumpsite wise numbers of trommels required to complete bio mining, the numbers of which shall be submitted by 15th April, 2023 to the Convenor of the SWMC for Solid Waste Monitoring.	15th April, 2023 Awaited
Hon'ble NGT vide order dated 16.02.2023 directed that the timeline of May 2024 be further shortened, and accordingly it was decided that MCD should complete a fresh scrutiny of the timelines and assessment of available legacy waste in dumpsites including fresh waste dumped as on 28.02.2023 duly reflecting the concerns of Hon'ble NGT in the said order as well as corresponding resources required, and submit a report on the same by 15th April, 2023 to the Convenor of the SWMC for Solid Waste Monitoring.	15th April, 2023 Awaited

4.1. Disposal/Utilization of Inert Generated from Bio-mining of LW

- NGT: “Bioremediation followed by bio-mining has to be executed in accordance with the Guidelines/SoP laid down by CPCB8 and the residues/rejects arising out of such processes are to be properly utilized and managed with well defined destinations. Inerts may go for road constructions.”
- Segregated fractions and components which are in high quantity be safely utilized and disposed.
- Due priority has to be accorded to leachate management (treatment) and handling of RDF and inerts arising out of biomining process in coordination with the user agencies like NHAI, CPWD and PWD, Delhi.

Dumpsite	Inert % in LW	Disposal/Utilization
Ghazipur	65-70 %	Awarded integrated work of Bio-mining and disposal of bio-mined fractions. Concessionaire responsible to achieve targets of disposal.
Okhla	70-75 %	
Bhalaswa	55-65 %	MCD is facilitating the agency to liason with all prospective departments. Presently, inert fractions being disposed off at NHAI's project sites, afforestation grounds, low lying pits /plots etc.

4.2. Disposal/Utilization of C&D Waste Generated from Bio-mining of LW

Dumpsite	C&D Waste % in LW	Disposal/ Utilization
Ghazipur	10-15 %	C&D generated from bio mining is being disposed off by Concessionaire. C&D generated from bio-mining being disposed off at NHAI's project site. Low lying areas & private plots
Okhla	20 %	
Bhalaswa	12 %	

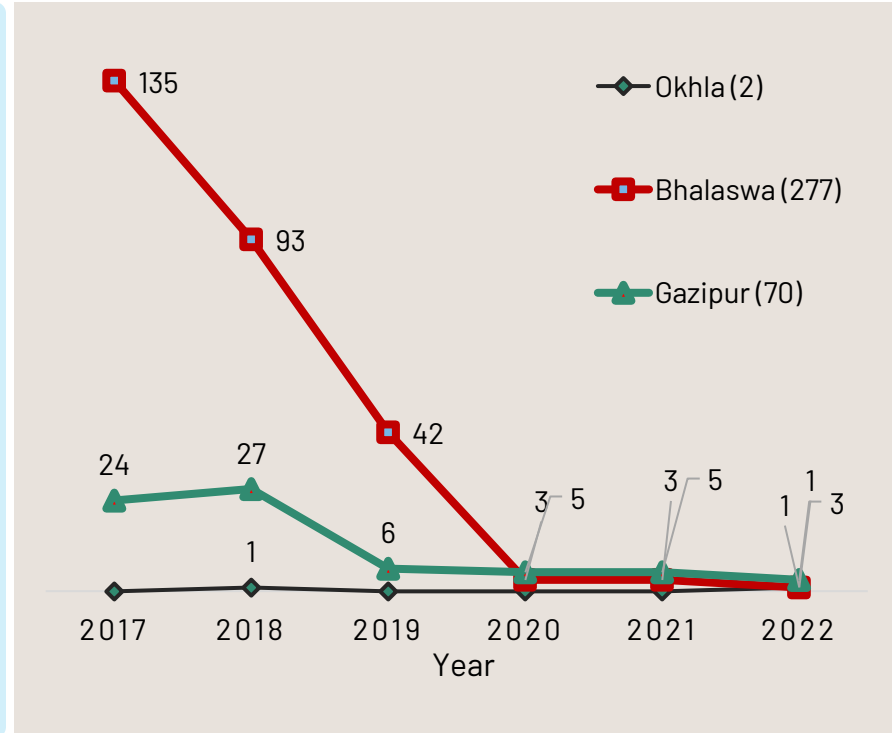
4.3. Disposal/Utilization of RDF Generated from Bio-mining of LW

Dumpsite	C&D Waste % in LW	Disposal/ Utilization
Ghazipur	15-20 %	Cement Plants Disposal of RDF in Processing facility at Ghaziabad
Okhla	5-10 %	Disposal of RDF at paper mill in Shamli More industries are being approached for utilisation of RDF
Bhalaswa	10 %	JK cement Chittorgarh- Rajasthan Nitika papers mill Shamli-U.P

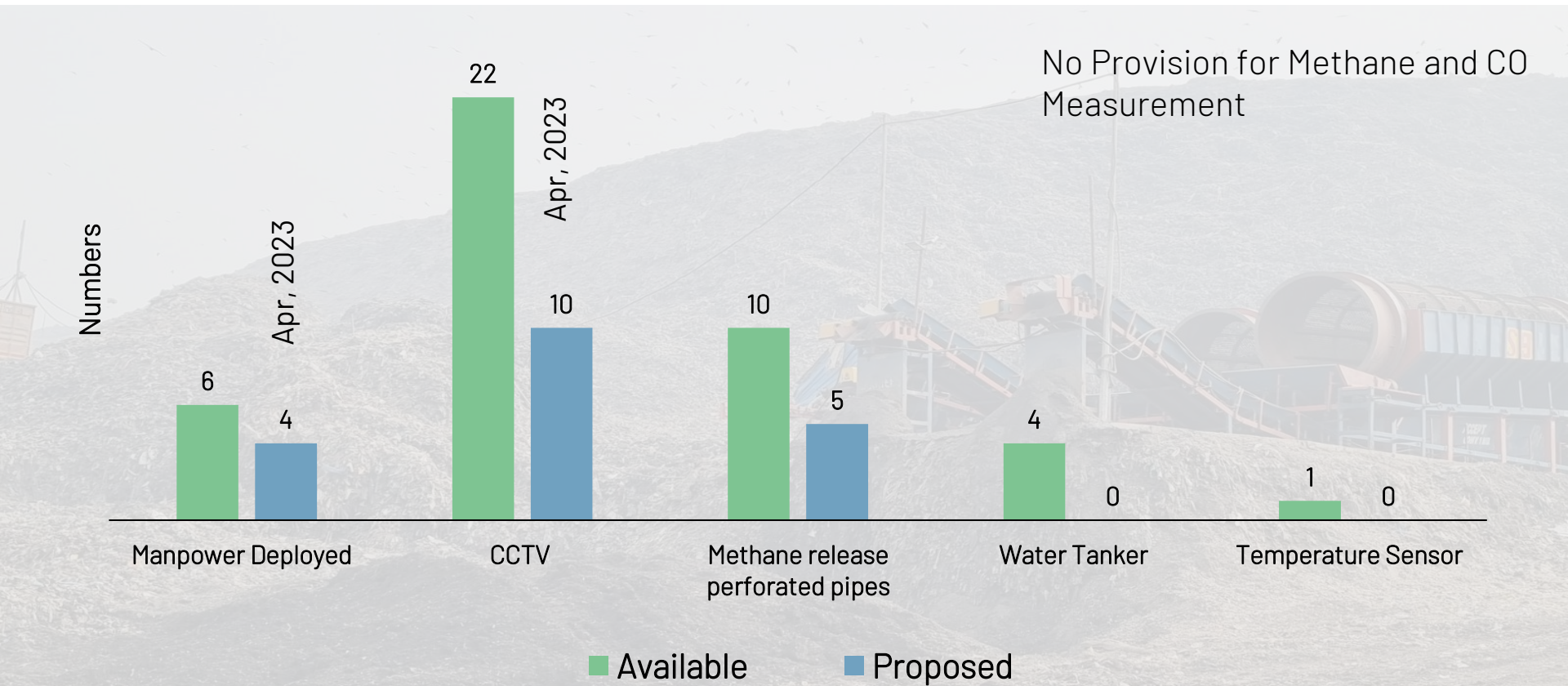
4.4. Control of fires in landfill sites

IMD Forecast ---- summer with "above normal" temperatures in 2023 with heat waves

- Plan in place for controlling fire at landfill sites.
 - 24*7 deployment of personnel and CCTVs
 - Fire tender deployment
 - Prohibition of entry of unauthorized persons & ragpickers
 - Declaring and maintaining "No Smoking Zone."
 - Monitoring of subsurface temperature
- Substantial reduction in landfill fires during the last five years from around 159 fire incidents in 2017.
- Only 5 fire incidents (4 major + 1 minor) reported last year
- Target : Zero landfill fire in 2023-24

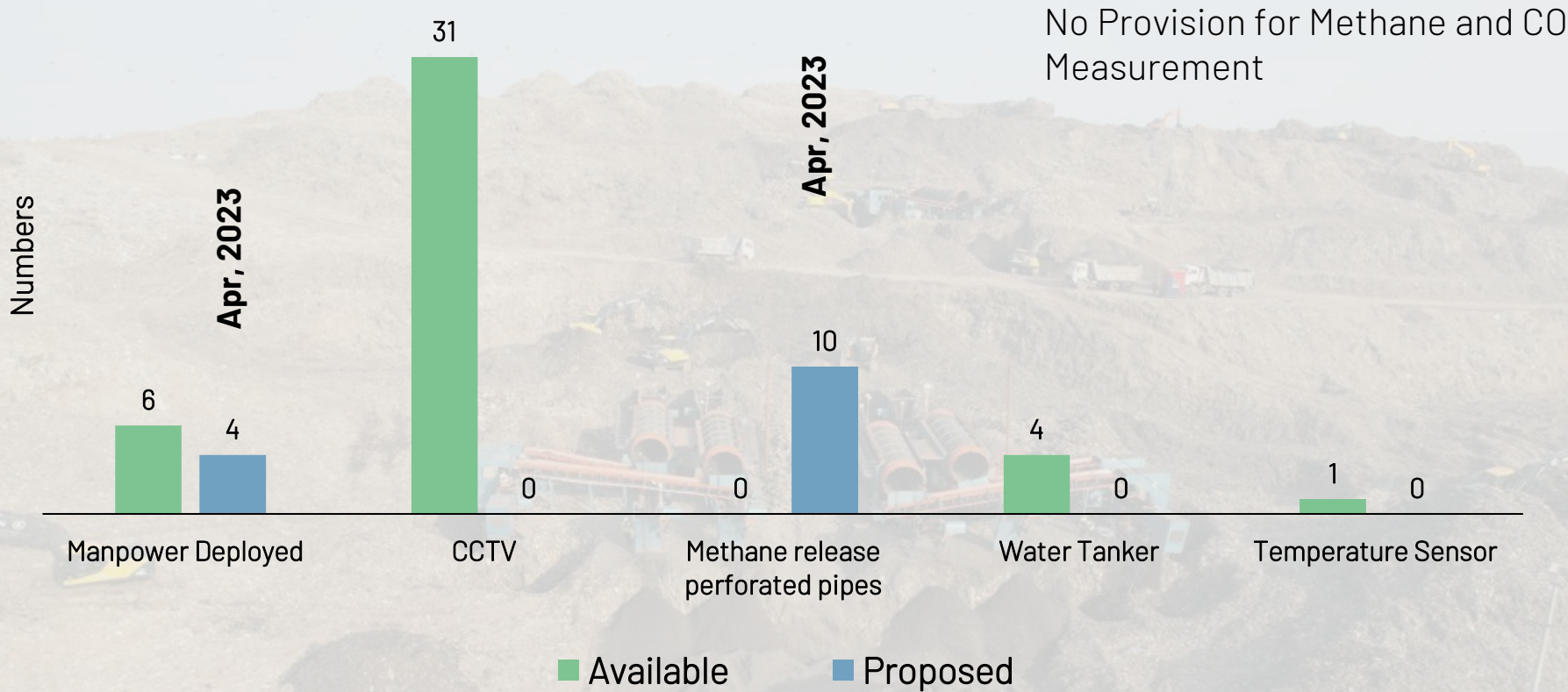


4.4.1. Control of fires in landfill sites



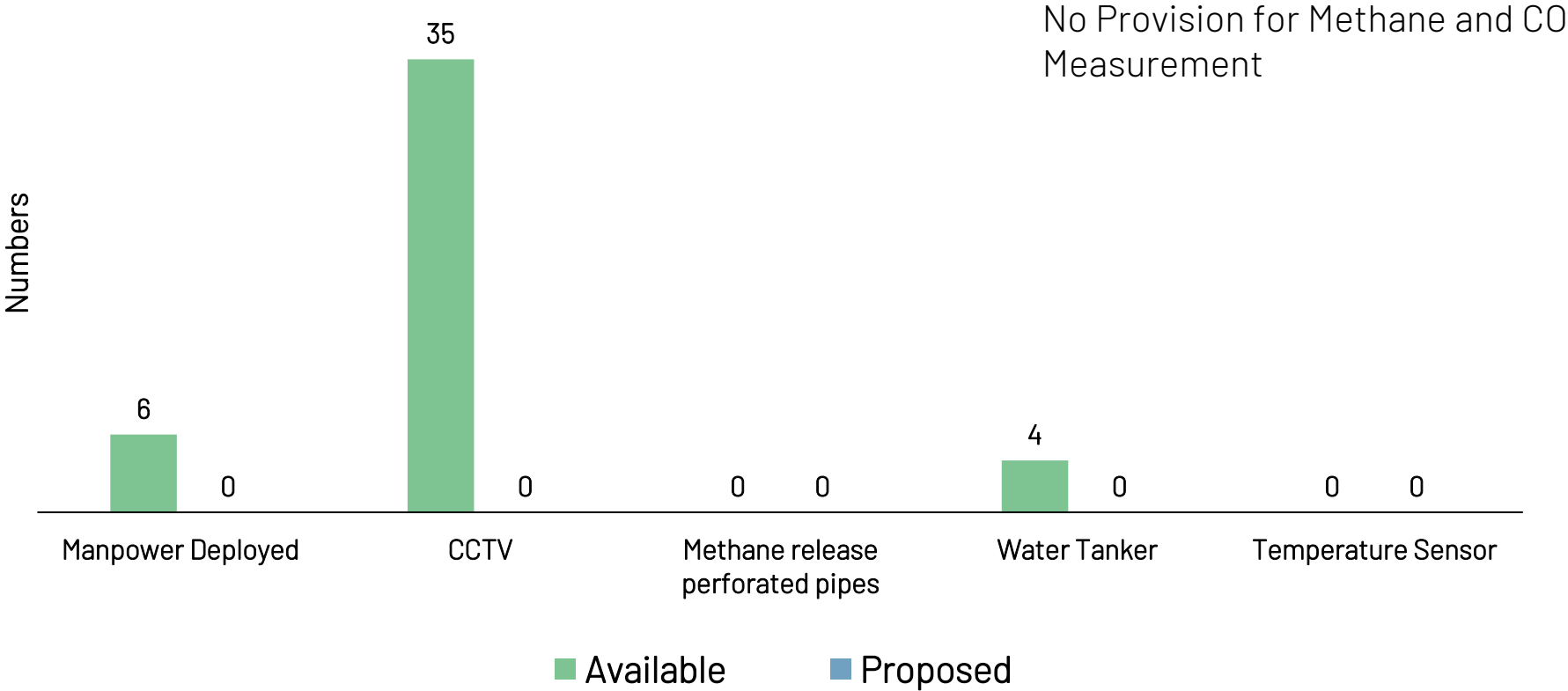
4.4.1. Control of fires in landfill sites

Bhalaswa



4.4.1 Control of fires in landfill sites

Okhla



4.5. Treatment of Leachate generated from 3 Dumpsites

Direction

MCD should ensure treatment of leachate as per prescribed standards by providing sufficient capacity of leachate treatment facility.

*Details regarding quantity of leachate discharged and Leachate Treatment Plants (LTP)(in KLD) sufficient to treat the entire leachate generated at the dumpsites, along with the completion timelines and responsible officers be submitted by **30th April, 2023***



4.6. Use of reclaimed land occupied by legacy waste dumpsites

- *One third of land occupied by legacy dump sites (on reclamation) needs to be reserved for dense forest and in the process of afforestation, Campa Funds can be utilized in accordance with the provisions of Compensatory Afforestation Fund Management and Planning Authority Act, 2016 (CAMPA Act).*
- *One third of reclaimed land out of the said dump site needs to be reserved for integrated waste management facilities.*
- *Remaining one third can be used for any other purpose, consistent with the above purposes, including a part of it being utilized for monetizing, if funding is required for tackling the legacy waste.*
- *It may not be necessary to search for new lands for waste processing facilities if facilities are set up at on reclaimed land.*
- *Time for clearing legacy waste by May 2024 be shortened.*

4.6. Use of reclaimed land occupied by legacy waste dumpsites

Direction	Action Taken
<i>MCD, DDA, and Forest Department shall take necessary advance action for proper utilization of the reclaimed land and submit detailed prospective Action Plan along with timelines and Nodal Officer for implementation of the Action Plan within a months' time to the Convenor of the SWMC for Solid Waste Monitoring.</i>	<i>MCD: Plan submitted to MoHUA and DDA</i>

5. Existing [1] and proposed [1] Engineered Sanitary Land Fill

"Sanitary land filling"

Final and safe disposal of residual solid waste and inert wastes on land in a facility designed with protective measures against pollution of ground water, surface water and fugitive air dust, wind-blown litter, bad odour, fire hazard, ..



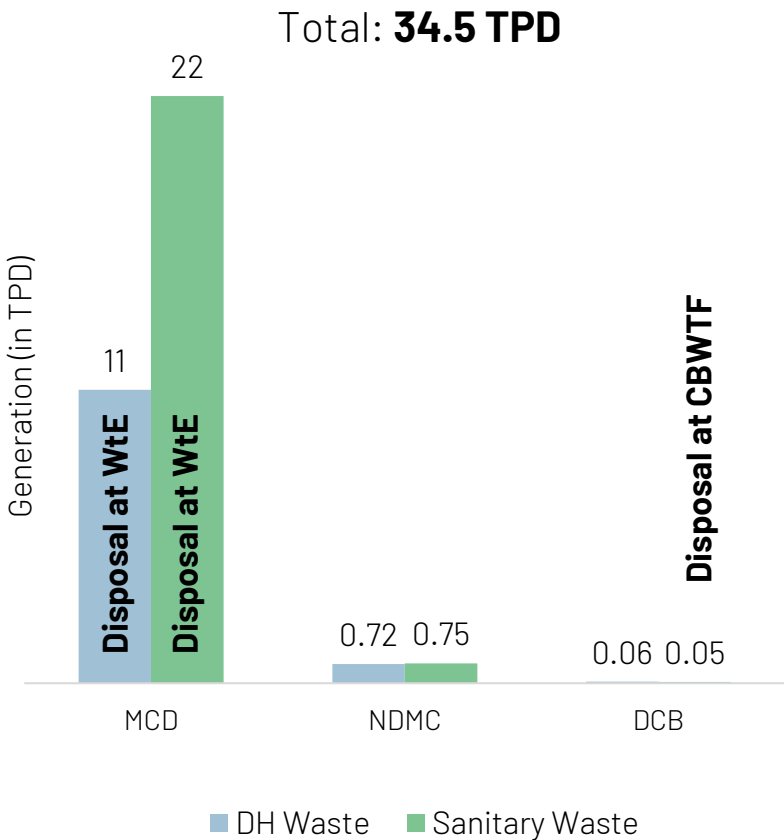
Existing : Bawana



**Proposed : Tehkhand
9.64 Lakh Tons**

Timeline: Jul, 2023

6.1. Domestic Hazardous Waste and Sanitary Waste Management



“Domestic hazardous waste” means discarded paint drums, pesticide cans, CFL bulbs, tube lights, expired medicines, broken mercury thermometers, used batteries, used needles and syringes and contaminated gauge, etc., generated at the household level;

Rule 15(j) : ...safe storage and transportation of domestic hazardous waste to hazardous waste disposal facility shall be ensured by ULBs.

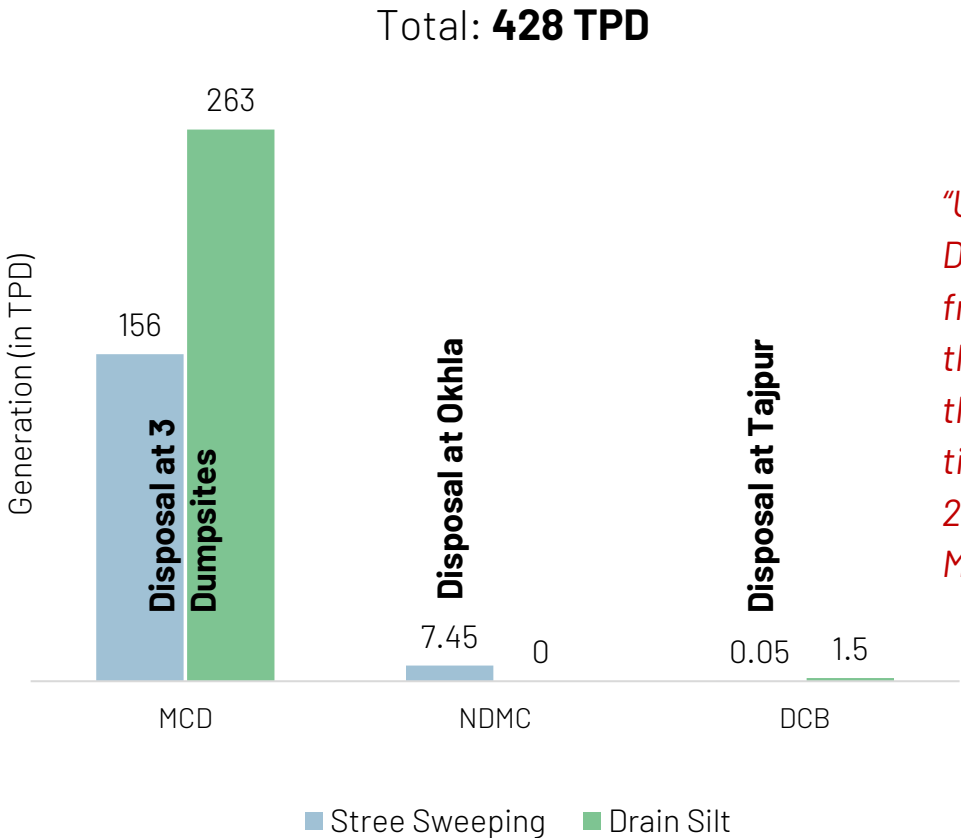
“Sanitary waste” means wastes comprising of used diapers, sanitary towels or napkins, tampons, condoms, incontinence sheets and any other similar waste;

6.1. Domestic Hazardous Waste and Sanitary Waste Management

Direction

*MCD, NDMC and DCB shall ensure that 100% collection, transportation and disposal of domestic hazardous waste and sanitary waste shall be done as per the provisions of the SWM Rules, 2016 and necessary arrangements be made in this regard for disposal of sanitary and bio-medical waste at CBWTF and other domestic hazardous waste at the TSDF for Hazardous Waste at Bawana by **31st July, 2023***

6.2. Street Sweeping and Silt from Surface Drains Management



“ULBs shall ensure 100 % Collection, Transportation & Disposal of Street Sweepings and Silt Removed / Collected from the Surface Drains strictly as per the provisions of the SWM Rules, 2016 and make necessary arrangements in this regard, especially disposal. Ward/Circle/Zone wise timelines shall be submitted by local bodies by 30th April, 2023 to the Convenor of the SWMC for Solid Waste Monitoring.”

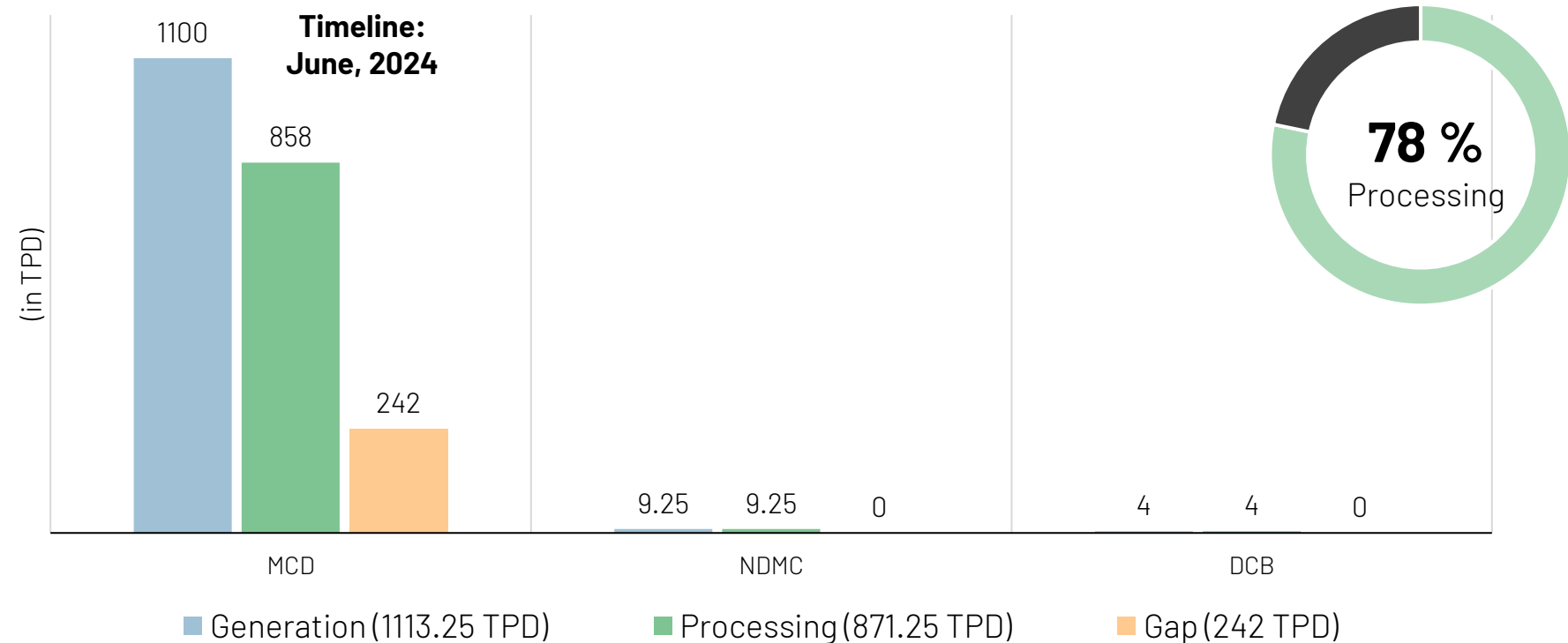
6.3 Plastic Waste Management

Order
Para No.
3.7.3.

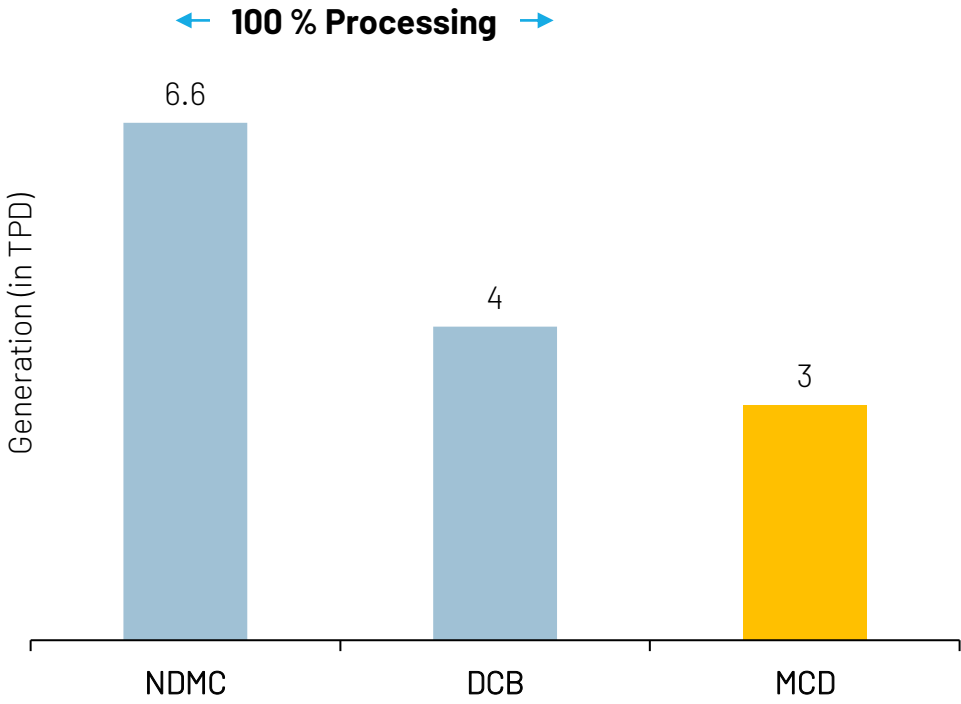
Plastic Waste Generation 9.8 % of MSW Generation



100 % Collection



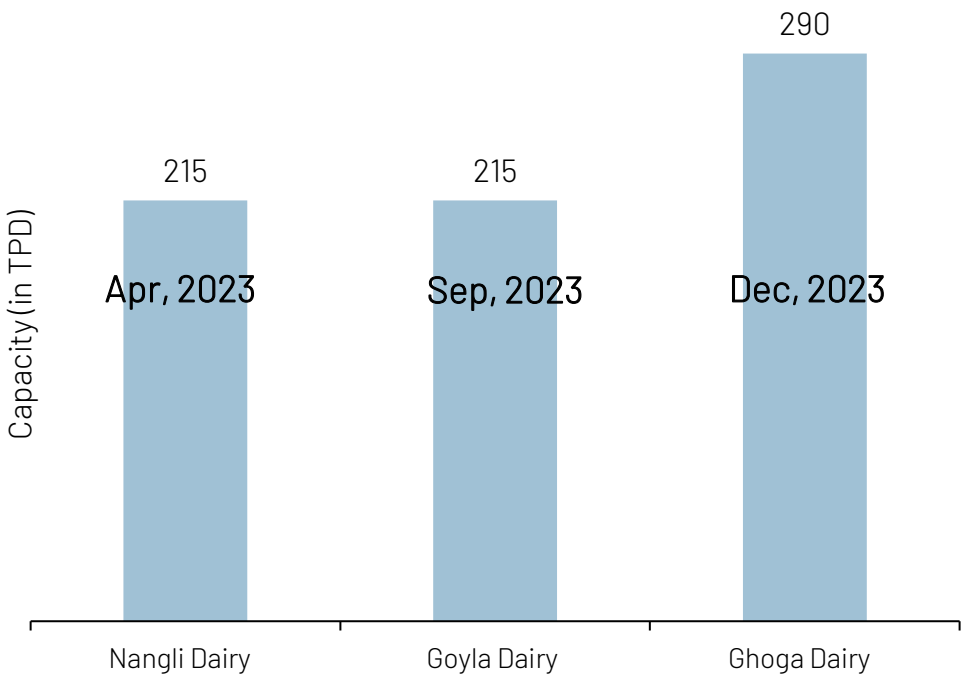
6.4. Horticulture Waste Management



MCD shall reassess and submit actual figures on the zone wise quantum of horticulture waste generated and their action plan zone wise for 100% collection, transportation, processing of horticultural waste in their area of jurisdiction as per the provisions of the SWM Rules, 2016 by 30th April, 2023 to the Convenor of the SWMC for Solid Waste Monitoring.

6.5. Dairy Waste Management

Total Capacity: **720 TPD**



MCD: Proposed Dairy Waste Processing Facilities

MCD: Initial data
Dairy: 12
Dairy Waste Generation: 443 TPD

NDMC and DCB :
No dairy functioning in their jurisdictional area

6.5. Dairy Waste Management



6.5. Dairy Waste Management (MCD)

Direction

*MCD lacks comprehensive data on dairy farms and gaushalas and thus should carry out complete inventory of the dairy farms and gaushalas located in their jurisdiction in the modified inventory proforma of GOI's guidelines within **30th June, 2023** and submit an action plan, including zone wise details of quantum of dairy waste generation, collection, transportation & processing / disposal in Delhi, and timelines for 100% collection, transportation & processing of dairy waste in Delhi along with the responsible officers to the Convenor of the SWMC for Solid Waste Monitoring by **31st July 2023**.*

Status/ATR

MCD : Inventory Completed

6.6. Industrial Activity in Non Conforming area

Hon'ble Supreme Court vide judgment dated 07.05.2004 in WP (C) 4677 of 1985 and 98 / 2000, M.C. Mehta Vs. UOI & Ors has directed that All Industrial Units that have come up in Residential / Non-conforming areas in Delhi on or after 1st August, 1990 shall close down and stop operating as per the schedule given in the said order.

Hon'ble Supreme Court vide said Judgment also appointed a Monitoring Committee comprising (i) Chief Secretary of Delhi (ii) Commissioner of Police, Delhi (iii) Commissioner, Municipal Corporation of Delhi (iv) Vice – Chairman of Delhi Development Authority and made this Committee responsible for stoppage of illegal industrial activity.

As per the decisions taken in the meetings of Chief Secretary, Govt of NCT of Delhi held on 08.12.2010 and 05.06.2015 regarding implementation of the said Judgment Dated 07.05.2004 of Hon'ble Supreme Court "Action on industries operating in non- conforming areas and violating Master Plan will be taken under the Delhi Development Act by Delhi Development Authority (DDA) in development areas and Municipal Corporation of Delhi (MCD) in other areas.

6.6. Industrial Activity in Non Conforming area

As per the decisions taken in the meeting of Chief Secretary, Govt of NCT of Delhi held on 13.09.2018, following decisions were taken for effective implementation of said order dated 07.05.2004 of Hon'ble Supreme Court:

In Step-1, the Municipal Corporations will ensure that the industrial units under their respective jurisdiction out of the list of 21960 industrial units who have been allotted alternate industrial plots under the Relocation Scheme are closed, if they have not closed down operations. Sealing of premises, disconnection of electricity and water supply should also be ensured where ever required.

In Step-2, the Municipal Corporations are required to identify the premises of applicants numbering 51837 less 21960 successful allottees under their respective areas that had applied for allotment of alternate plots under the Relocation Scheme and will ensure that no impermissible industrial activity is carried out from such premises.

In Step-3, the Municipal Corporations and the Delhi Development Authority will carry out a comprehensive mapping/ survey to find out details of industries functioning without obtaining prior Municipal Licence in respect of their respective jurisdiction. Once the non- permitted industries are identified during the mapping/survey, notices to close down the industrial activities be issued and effective closure including disconnection of water supply and electricity connection be carried out within 30 days of such detection.

6.6. Industrial Activity in Non Conforming area

S.No	Agency	Step-1	Step-2	Step-3	Total
1	North DMC	690	360	617	1667
2	South DMC	108	210	304	622
3	East DMC	274	127	494	895
4	DCB	0	12	0	12
5	NDMC	0	2	0	2
Total		1072	711	1415	3198

Progress:-
Step 1 & 2 have been completed and action taken in Step 1, 2 & 3

- East DMC, South DMC & North DMC have given certificates that the required action with regard to number of Units identified in their jurisdiction under Step-3 has been taken and no impermissible industrial activity is going on in residential/ non-conforming areas under their jurisdiction.
- Further, in order to ensure to stop violation in this behalf, necessary instructions have been issued to all Zonal Dy. Commissioners for regular monitoring and to take action against the defaulters, if any violation is noticed.

6.6. Industrial Activity in Non Conforming area

As per the order dated 4.11.2019 of Hon'ble Supreme Court in WP (C) No. 4677 of 1985 regarding Industries / units in Non conforming areas, it is the responsibility of Zonal Dy. Commissioners of Municipal Corporations to ensure compliance of orders of Hon'ble Supreme Court and closure of unauthorized/ illegal industries in Non Conforming areas of Delhi. In view of the above , earlier orders of Hon'ble Supreme Court and also decisions taken by the Monitoring Committee headed by Chief Secy, Delhi, action in non conforming areas are to be taken by concerned land owning agencies(DMCs / DDA).

7.1. Other Important Issues : Assessment of Solid waste generation

Status

Quantum of solid waste generation reported by MCD remained about 11000 TPD since 2020 and has not been re-assessed regularly as per guidelines of Swatch Bharat Mission.

MCD: Study conducted in 2019 by Shri Ram Institute

Direction

Assessment and characterisation of wastes should be conducted by all ULBs **by 31st July, 2023**

Portal / website to be put in place showing daily generation, collection, recycling, processing, and disposal at SLF/Dumpsite of MSW **by 30th June, 2023**, and link of the same shall be made available to public consumption and encourage community participation. The online feed shall also be made available to Urban Development Department of GNCTD, DPCC and CPCB.

7.2. Computerised weighing of MSW

Status

Hon'ble NGT specifically mentioned that the tipping fee, wherever payable to the concessionaire / operator of the facility, will not only be relatable to the quantum of waste supplied to the concessionaire / operator but also to the efficient and regular functioning of the plant.

MCD: All dumpsites and centralized waste processing facilities have weighing machines

Direction

Daily quantum of MSW supplied to the concessionaire / operator of processing facilities (WtEs, compost plants, etc.) shall be properly weighed through computerised weighing machines which should be connected to the online system of the concerned departments and local authorities mandatorily, including Urban Development Department and DPCC.

31st July, 2023

7.3. Third Party Audit of Solid Waste Management

Direction

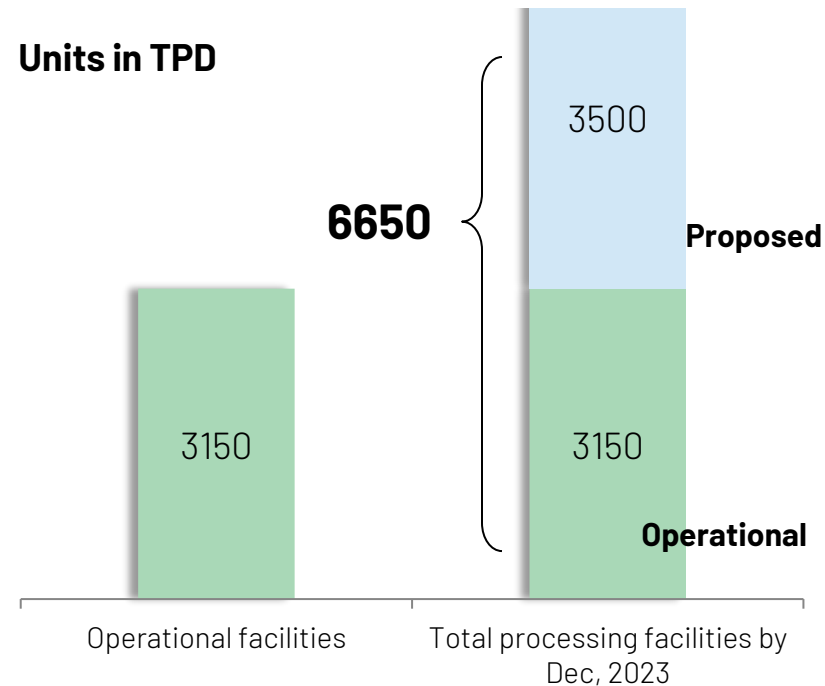
MCD, NDMC and DCB shall carry out Third Party Audit of Solid Waste Management, including segregation (waste types as per SWM Rules, 2016), collection, transportation, recycling, processing and disposal at SLF/dumpsite and compliances with the SWM Rules, 2016 through an independent and reputed expert agency in field of environment / solid waste management.

*MCD, NDMC and DCB shall award the work within a fortnight and shall complete the audit by **30th September, 2023.***



7.4. Development of extensive C&D waste processing facilities

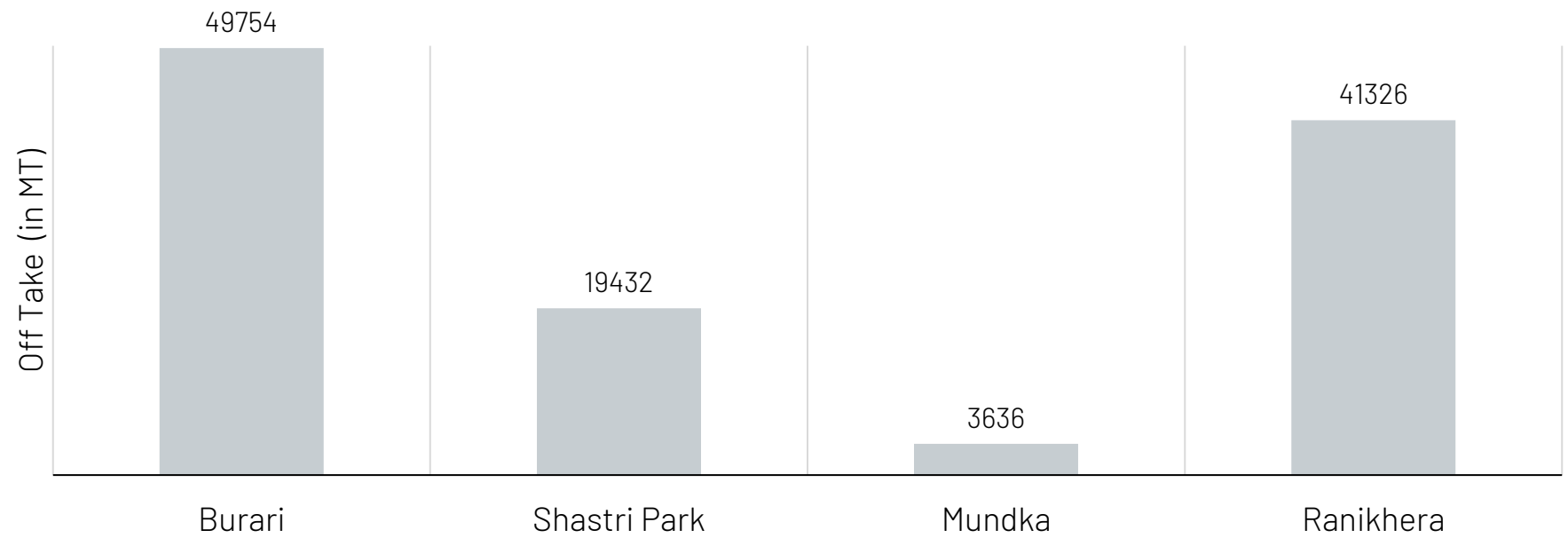
- C&D waste generation approx. 6000 - 7000 TPD in Delhi.
- Four operational C&D waste processing facilities in Delhi with total capacity of 3150 TPD, creating a gap of approx. 3500 TPD.
- Facility at Jahangirpuri (Burari) (2000 TPD) under revamp and to be commissioned by **May, 2023**
- More facilities proposed : 1500 TPD (**Jun, 2024**)
 - Tehkhand(1000 TPD)
 - Libaspur(500 TPD)



7.4.1. Offtake of C&D Recycled Products

Period: Oct, 22-Mar, 23

Total: 114148 MT



7.4.2. Assessment of C&D waste generated

Status

Quantum of C&D waste generated in Delhi as per the annual report of 2021-22 is about 3500 TPD which is almost same since 2019.

C&D Waste Management Rules, 2016: ULBs shall keep track of the generation of C&D waste within its jurisdiction and establish a data base and update once in a year.

SBM Guidelines:

Direction

*All ULBs shall reassess quantum of C&D waste being generated in their respective areas and submit an action plan according **within a months'** time to the Convenor of the SWMC for Solid Waste Monitoring.*

7.5. Solid Waste Management in Industrial Areas

Status

Industrial Areas- 28
Redevelopment Area: 26

Responsible Departments for SWM:

DSIIDC – 02 (Narela & Bawana)
Remaining – MCD

Direction

Committee under the chairmanship of Commissioner of Industries, GNCTD and consisting of MD, DSIIDC, Commissioner, MCD, Divisional Commissioner, Revenue Department and Secretary, Urban Development as member convener to look into the various issues related to general SWM in industrial areas and the agency responsible for proper management of solid waste in the industrial areas.

*The committee shall submit its report along with recommendations to the convener of SWMC for Solid Waste Monitoring **by 30th April, 2023.***

7.6. Committee to identify and hand over land to ULBs

Land issues , if any,

- MRFs
- Decentralised MSW processing facilities
- C&D processing facilities

Direction

Committee under Chairmanship of Divisional Commissioner, Revenue Department of GNCTD, consisting of Pr. Secretary, Environment and Forest; VC, DDA; Commissioner MCD with Secretary, Urban Development as member convener to resolve all land related matters (like identification and handing over land to ULBs for setting up of material recovery and processing facilities, etc.).

*This Committee shall ensure identification and handing over the requisite land parcels to ULBs, as the case may be, **by 30th April, 2023.***

7.7. Campaign for Awareness and Involvement of Public

Direction

MCD, NDMC, DCB and Environment Department of GNCTD shall initiate an IEC campaign

*IEC plan in this regard including an annual calendar of IEC activities shall be submitted by all agencies to the Convenor of this SWMC **within a fortnight***

Action Taken

Department of Environment: Draft IEC Plan submitted

7.7. Campaign for Awareness and Involvement of Public

Direction

Special Task Forces (STFs) for each District constituted by Environment Department, GNCTD vide office order dated 20.03.2020 for awareness generation as well as community engagement, headed by concerned ADMs, shall create awareness regarding all aspects of solid waste management by involving educational, religious and social organizations including local eco-clubs.

*Divisional Commissioner shall compile **monthly reports** and submit the same regularly to the Convener of the SWMC for Solid Waste Monitoring.*

7.8. Enforcement of byelaws

Status

Bye laws :Solid Waste Management Bye-Laws, 2017.

Notified on : 15th January, 2018

MCD: Implemented in Commercial Areas

Direction

SWMC for Solid Waste Monitoring decided that the Secretary, Urban Development Department, GNCTD shall ensure enforcement of these bye laws by the ULBs and submit **monthly reports** only in digital mode (first week of every month) in this regard to the Convenor of the SWMC for Solid Waste Monitoring.

7.9. Setting up of Secretariat of SWMC

Dedicated Funds

MCD Budget – 4465 Cr (2023-24)

UD department – 8241 Cr (2023-24)

SBM – 1192 Cr (80 % by Central + 20 % by State)-(2021-26)

Direction

Committee to consider opening separate dedicated account (including ring-fenced account), hire dedicated subject matter experts, coordinate with and take on board existing departments, agencies and stake holders, civil society, including voluntary organizations and, may also set up its website and place its proceedings on the said website for information of all concerned and also to enable public participation.

7.9. Setting up of Secretariat of SWMC

Direction

DPCC shall engage at least three personnel (not below the rank of Joint Secretary to the GNCTD / Under Secretary to the Govt. of India – Level 11 post under 7th CPC) within a months' time and that further manpower including consultants and young professionals may be engaged by DPCC through Broadcast Engineering Consultants India Limited (BECIL), a Govt. of India Enterprise under the Ministry of Information and Broadcasting, or any other agency of the Government of NCT of Delhi.

DPCC shall engage 2 electric four wheelers and 4 electric two wheelers to constitute dedicated mobile monitoring teams with in-vehicle monitoring and tracking systems for enhanced capabilities in terms of efficient mobility for monitoring purposes.

7.10. Monitoring through E-Samiksha Portal



Delhi-eSamiksha
A Digital Governance Platform

Order
Para No.
3.8.13

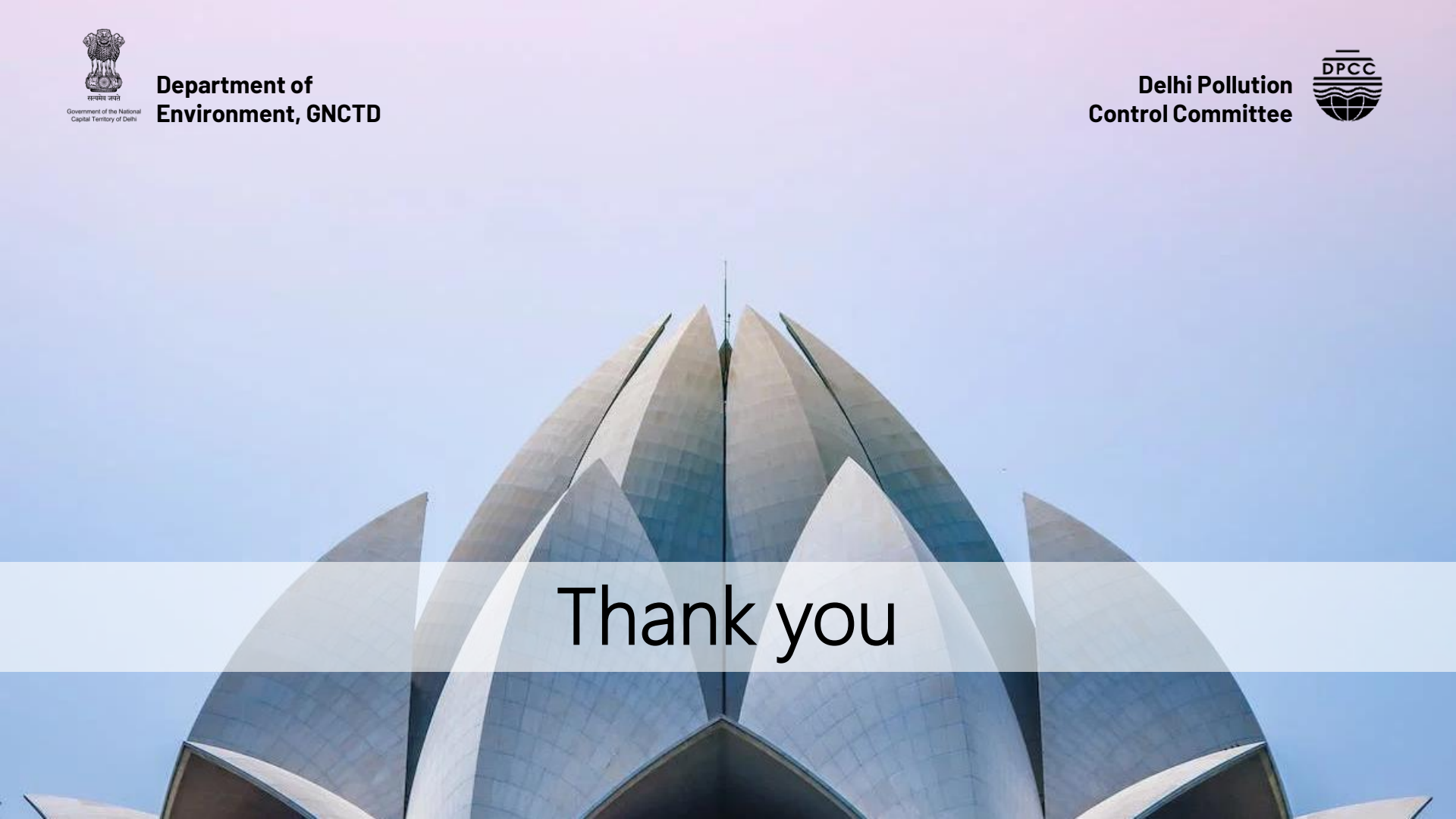
Action Points of the order dated 06.04.2023 and Action Plan of Solid Waste Management have been uploaded on the E-Samiksha Portal of Delhi under the head **“Solid Waste Management in Delhi”**.

Nodal officers to update the progress w.r.t action points on monthly basis by 15th Day of the month.



**Department of
Environment, GNCTD**

**Delhi Pollution
Control Committee**

The background of the slide is a low-angle photograph of the Lotus Temple in Delhi, showing its iconic lotus-shaped petals against a clear blue sky. A semi-transparent white horizontal band is positioned across the middle of the image, serving as a backdrop for the central text.

Thank you