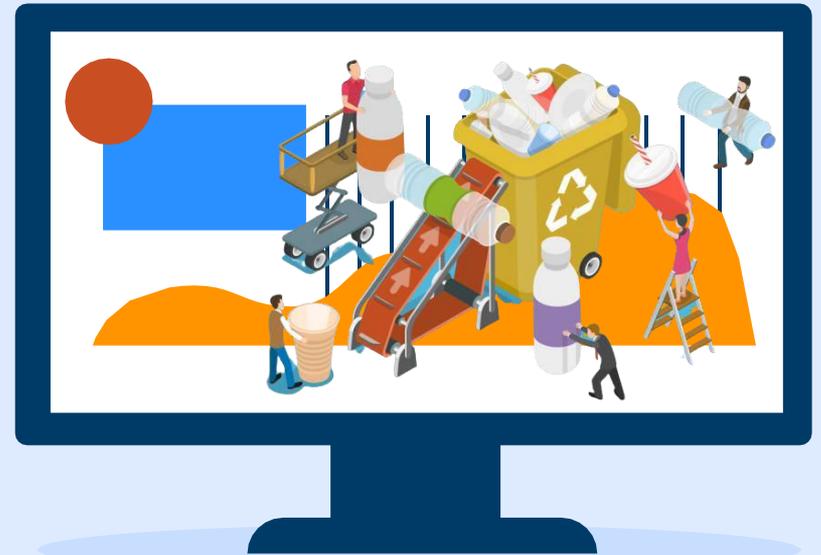


4885



O.A. 606/2018
Compliance
of
Municipal Solid Waste
Management Rules 2016 And
Other Environmental Issues



4885

4886

Solid Waste Management



4886

Solid Waste Management (Urban)

4887



Waste Generation

14,710 TPD

Existing Capacity

10,117 TPD

- 19 MSW Plants- 5865 TPD
- MRFs – 2670 TPD
- Compost Pit – 1314 TPD
- WTE -268 TPD

Current Gap

4,593 TPD

Plants Under Construction

7,526 TPD

(Timeline Dec -23)

Processing Capacity

17,643 TPD

By Dec-23

Future Plans

6,280 TPD

(Timeline Mar -25)

Processing Capacity

23,923 TPD

By Mar -25

- 100% Processing of MSW by Dec -23
- Projects to meet Gap already grounded.
- Funds ring-fenced in respective project accounts

4887

Solid Waste Management

4888



Status of solid waste management in Urban Area

ULBs	Total Waste Generated (TPD)	Door to Door Collection (TPD)	Segregation (TPD)	Total Waste processed (TPD)	GAP (TPD)	Facilities Under construction (TPD)	Timelines
734	14,710	14,710	12,504	<u>10,117</u>	4,593	<u>7,526</u>	Dec, 2023
						Total 17,643 TPD (Gap shall be zero by Dec, 2023)	
						Facilities Proposed	Timeline
						1,180 TPD	Dec, 2024
5,100 TPD (05 Bio-CNG, 03 WTE)	March, 2025						
Total <u>6,280 TPD</u>	March, 2025						
						Grand Total 23,923 TPD (March, 2025)	

- 100% Processing of MSW by Dec -23
- Projects to meet Gap already grounded.
- Funds ring-fenced in respective project accounts

4888

Progress since 2020



- In 2020 out of 14,468 TPD of total waste generation, 5,395 TPD is processed
- In 2022 out of 14,710 TPD of total waste generation, 10,117 TPD is processed

Entity	2020	2022														
Integrated MSW processing facility	5,395 TPD (15 plants)	5,865 (19 plants)														
Material Recovery facility	-	2,670(534 MRF)														
Compost Pits	-	850 (1,314 TPD)														
Segregation	-	85%														
Collection	98%	100%														
Under Construction	4,305 TPD (36 Plants)	7,526 TPD (699 Plants including MRFs)														
Proposed	-	6280 (27 plants)														
Waste to energy plant	Nil	<ul style="list-style-type: none"> • Existing Plants -03 • Waste Processing Capacity-268 TPD <table border="1"> <thead> <tr> <th>Facility</th> <th>Number</th> <th>Qty of waste (TPD)</th> <th>Power generation</th> <th>Timeline</th> </tr> </thead> <tbody> <tr> <td>Bio CNG</td> <td>5</td> <td>1,300</td> <td>33 MTD gas</td> <td rowspan="2">Mar -25</td> </tr> <tr> <td>WtE</td> <td>4889</td> <td>3,800</td> <td>90MW</td> </tr> </tbody> </table>	Facility	Number	Qty of waste (TPD)	Power generation	Timeline	Bio CNG	5	1,300	33 MTD gas	Mar -25	WtE	4889	3,800	90MW
Facility	Number	Qty of waste (TPD)	Power generation	Timeline												
Bio CNG	5	1,300	33 MTD gas	Mar -25												
WtE	4889	3,800	90MW													



Legacy Waste Management

4890

Legacy Waste
91 Lakhs Ton

Remediated Legacy Waste
58 Lakhs Ton

Remediation Ongoing
33 Lakhs Ton
(Timeline Mar -24)

Remediated
91 Lakhs ton
By Mar -24

4890

- 100% Remediation of Legacy waste by Mar-24
- Projects to meet Gap already grounded.
- Funds ring-fenced in respective project accounts



Status of remediation of legacy waste

4891

Details	No. of Dump sites	Area in acres	Estimated Quantity in Lakh Tons	Remediated Waste Lakh Tons	Ongoing work (Lakh Ton)	Timeline for remediation of all sites
75 districts	75	627	<u>91</u>	58	33	March 2024

4891

Name of ULB- Anupshar (NPP)
Legacy waste quantity Remediated- 38220 Ton



Before Remediation



After Remediation

Name of ULB- Mahoba (NPP)
Legacy waste quantity Remediated-10000 Ton



Before Remediation

4892



After Remediation

Name of ULB- Baruasagar (NPP)
Legacy waste quantity Remediated- 8322 Ton



Before Remediation



After Remediation

Name of ULB- Shahjahanpur (M.Corp)
Legacy waste quantity Remediated- 60000 Ton

NAGAR NIGAM SHAHJAHANPUR
KAKRA KALAN LEGACY WASTE BEFORE AND AFTER



Before



After



Shahjahanpur, Uttar Pradesh, India
VVMW+7Q6, near Madrasa Majliya Kadariya,
Aligai, Shahjahanpur, Uttar Pradesh 242001, India
Lat: 27.883709°
Long: 79.897527°

4893

Name of ULB- Meerut (M Corp)
Legacy waste quantity Remediated- 300000Ton

4894



Before Remediation



After Remediation

Name of ULB- Mirzapur (NPP)
Legacy waste quantity Remediated- 8803 Ton

4894



Before Remediation



After Remediation

Name of ULB- Pilibhit (NPP)
Legacy waste quantity Remediated- 38645 Ton

4895

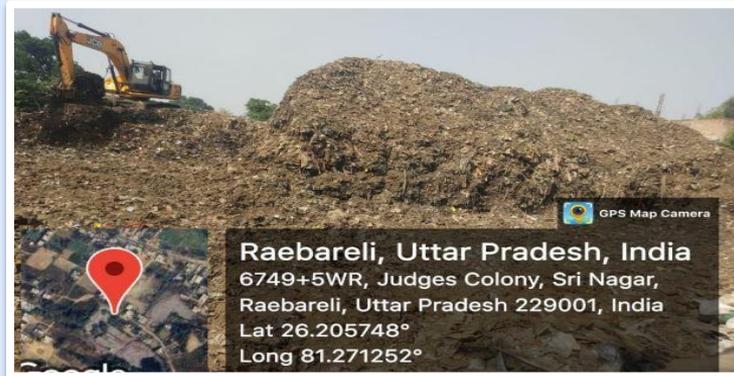


Before Remediation



After Remediation

Name of ULB- Raibareilly (NPP)
Legacy waste quantity Remediated- 62770 Ton



Before Remediation

4895



After Remediation

Name of ULB- Ghazipur (M.corp)
4896
Legacy waste quantity Remediated- 650000Ton



Before Remediation

4896

After Remediation

Name of ULB- Etah (NPP)
Legacy waste quantity Remediated- 4897 Ton



Before Remediation



After Remediation

Name of ULB- Agra (M.Corp)
Legacy waste quantity Remediated- 940000 Ton



Before Remediation

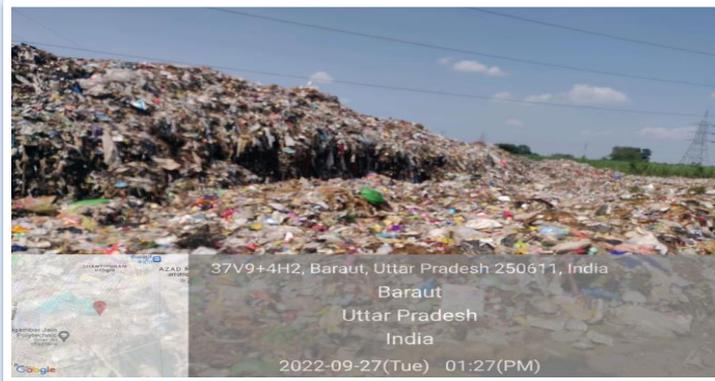
4897



After Remediation

Name of ULB- Baraut (NPP)

Legacy waste quantity Remediated- 12000 Ton



Before Remediation



After Remediation

Name of ULB- Ghazipur (NPP)

Legacy waste quantity Remediated- 4500 Ton



Before Remediation

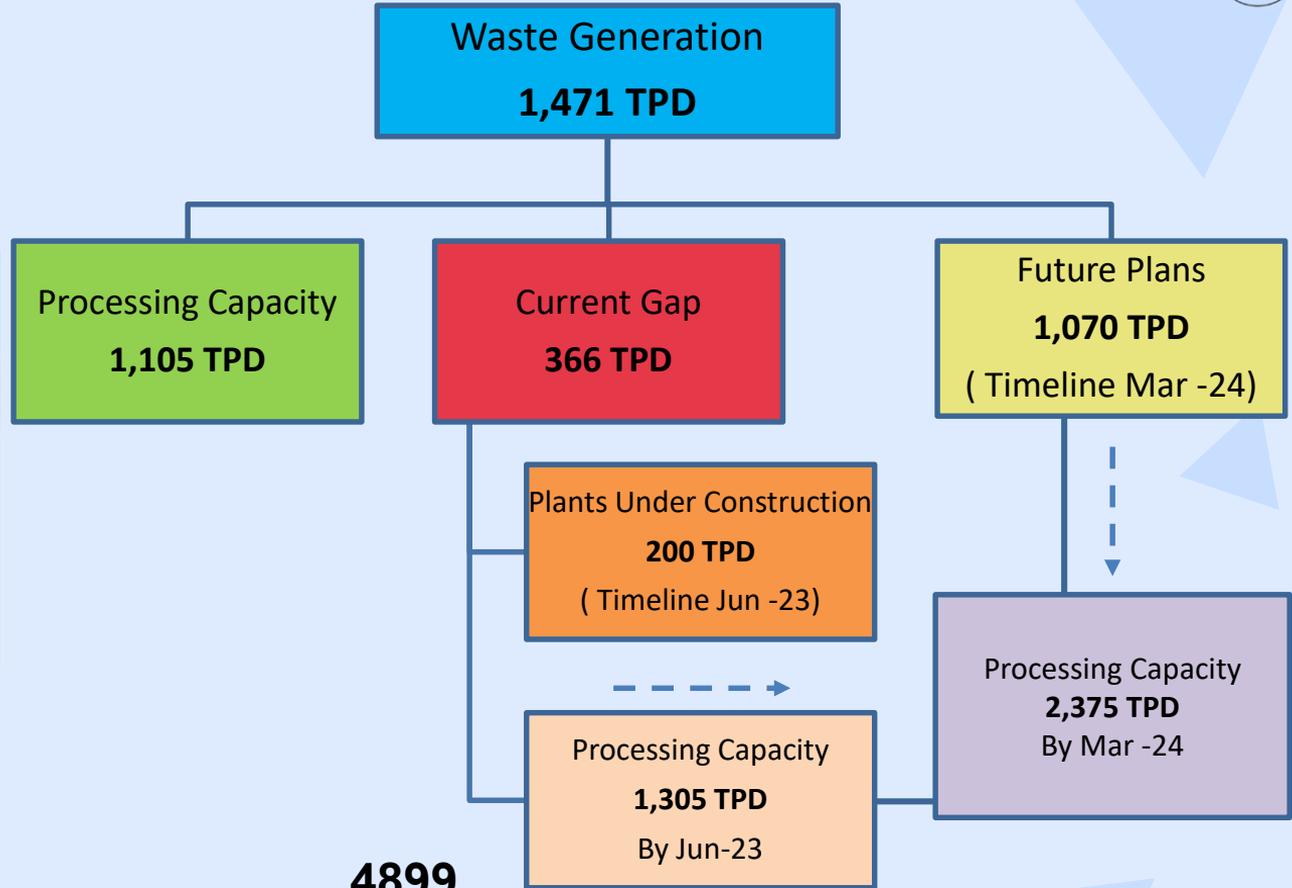
4898



After Remediation

Construction & Demolition Waste

4899



4899

- 100% Processing of C&D waste by Mar-24
- Projects to meet Gap already grounded.
- Funds are tied-up for current gap as well as future plans.

Construction & Demolition Waste

4900

- The major demolition waste is soil, sand and gravel accounting for bricks (26%) & masonry (32%), Concretes (28%), metal (6%), wood (3%) others (5%). Bricks, tiles, woods and iron metal are sold for reuse / recycling (Source: Building Materials & Technology Production Council, GOI).
- Quantity of C&D Waste: 1,471 TPD
- Processing Capacity: – 1,105 TPD

C&D Waste Processing Facilities

- Operational- 5 (1,105 Ton Per Day)
- Under Construction- 2 (200 Ton Per Day) by June-2023
- Proposed- 11 (1,070 Ton Per Day) will completed till March 2024
- Products made after processing: Bricks, Tiles and interlocking blocks



4900

Construction & Demolition Waste

4901
Agra M.Corp

C&D Waste Plant (Capacity 05 TPD)



Noida

C&D Waste Plant (Capacity 300 TPD)



Ghaziabad M Corp
4902
C&D Waste Plant (Capacity 400TPD)



Prayagraj M.Corp
C&D Waste Plant (Capacity 100TPD)



4902



Success Story About Garbage Vulnerable Points in Urban Areas



4903

Introduction :- Garbage Vulnerable Points are those areas where the garbage gets piled up because of the constant dumping of garbage by the local residents, travelers, or passerby.

- ❖ To remove all the GVPs, State introduced a drive to remove Garbage Vulnerable Point from all 75 districts in 75 hours.
Drive was conducted between 1st December to 3rd December 2022.

Objectives :- Vision of “garbage free” Urban areas , All GVPs remediated and converted into selfie points, parks , etc. Clean public areas with 100% scientific processing, Mass mobilization and IEC activities.

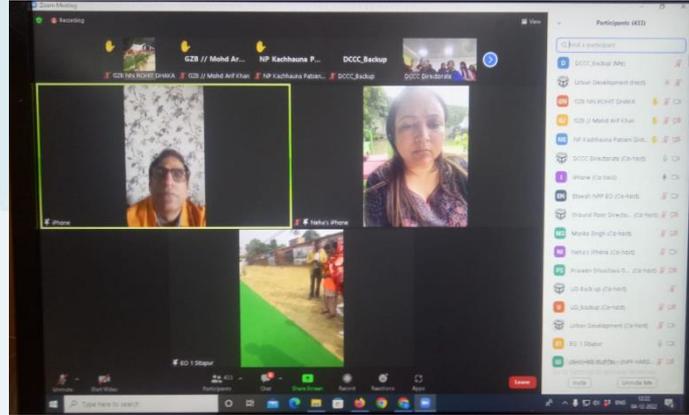
Achievements

Achievements	Number
Total GVP remediated	~3,000
Total Waste Collected	~5,000 Ton
Total Citizen Participated	~ 8,00,000
Total No. of Vehicles Deployed	~ 6,000
Total Manpower Deployed	~30,000
Total Public representative Participated	~15,000
Participation through Social Media	~ 8,00,000

Events	Number
Number of GVP Transformed Into Park/Plantation	~1500
Number of GVP Transformed Into Place For Cultural Event	~ 300
Number of GVP Transformed Into Vending Zone/Food Court	~ 100
Number of GVP Transformed Into Wall Painting	~500
Number of GVP Transformed Into Neki Ki Deewar	~ 200
Number of GVP Transformed Into Selfie Spot	~400

4903

4904



Monitoring 24x7 through DCCC



4904



Community / CSO Members / SVPS / Youth Engagement



4905



4905

Selfie Points near GVP spots

4906



4906



IEC activities near GVP spots



4907



4907



IEC activities near GVP spots

4908



Before

After



Before

After

4908

Before and After Images

Before & After Images after GVP removal

Before



After



१ छिवरामऊ

Before



After



१ दातागंज

Before



After



१ हस्तिनापुर

Before



After



१ जायस

Before



After



१ सहारनपुर

4909

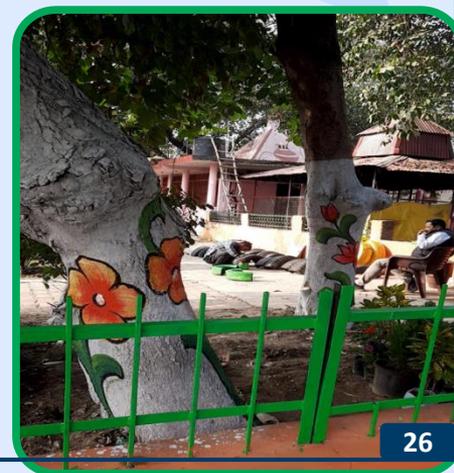
Before

After

4910

Before

After



Before



After



4911

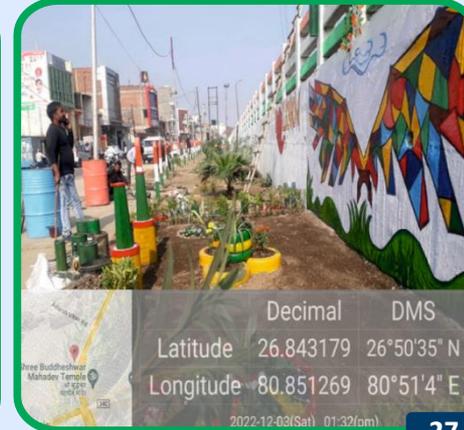
Before



After



4911



Before



Lucknow
Uttar Pradesh
India
2022-11-29(Tue) 08:50

After



4912

Before



GPS Ma
Camera Lite

After



4912



Lucknow
Uttar Pradesh
India
2022-11-22(Tue) 01:03(pm)
25°C
77°F



Lucknow
Uttar Pradesh
India
2022-12-03(Sat) 12:17(pm)
20°C
28

Glimpse of Swachh Change



Before



After



4913

Before

4914

After



4914

Before

4915

After



4915

Before

4916

After



4916

Before



4917

After



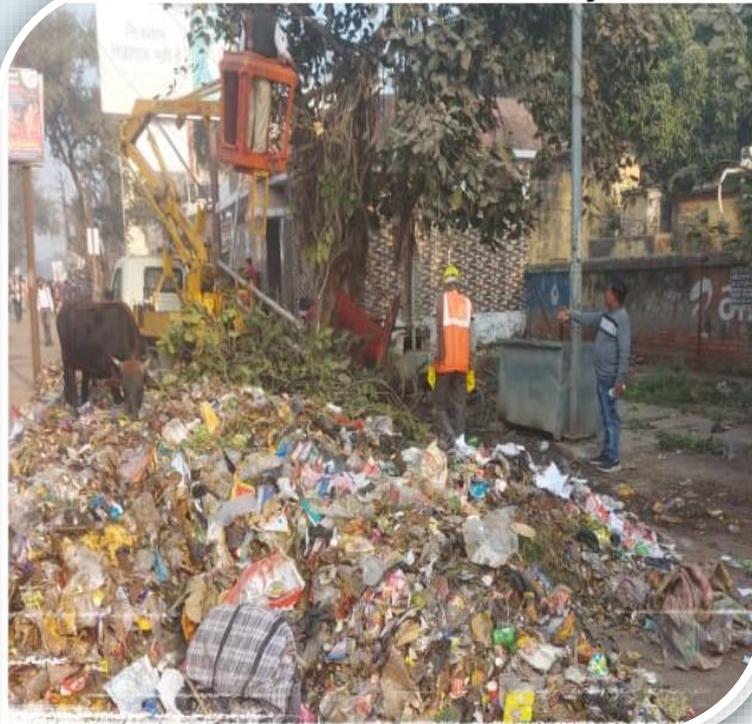
4917



Before

4918

After



4918

Before

4919

After



4919

Before

4920

After



4920

Glimpse of Functional MRF In UP (Urban)



Firozabad (M.Corp.)

4921



4921

Shikohabad (NPP)

4H7X+X62, Shikohabad, Uttar Pradesh 283135, India

Shikohabad
Uttar Pradesh
India

Decimal DMS

Latitude 27.114554 27°6'52" N

Longitude 78.599259 78°35'57" E

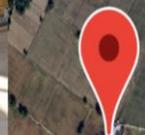
2023-01-09(Mon) 04:29(pm)

4922



GPS Map Camera

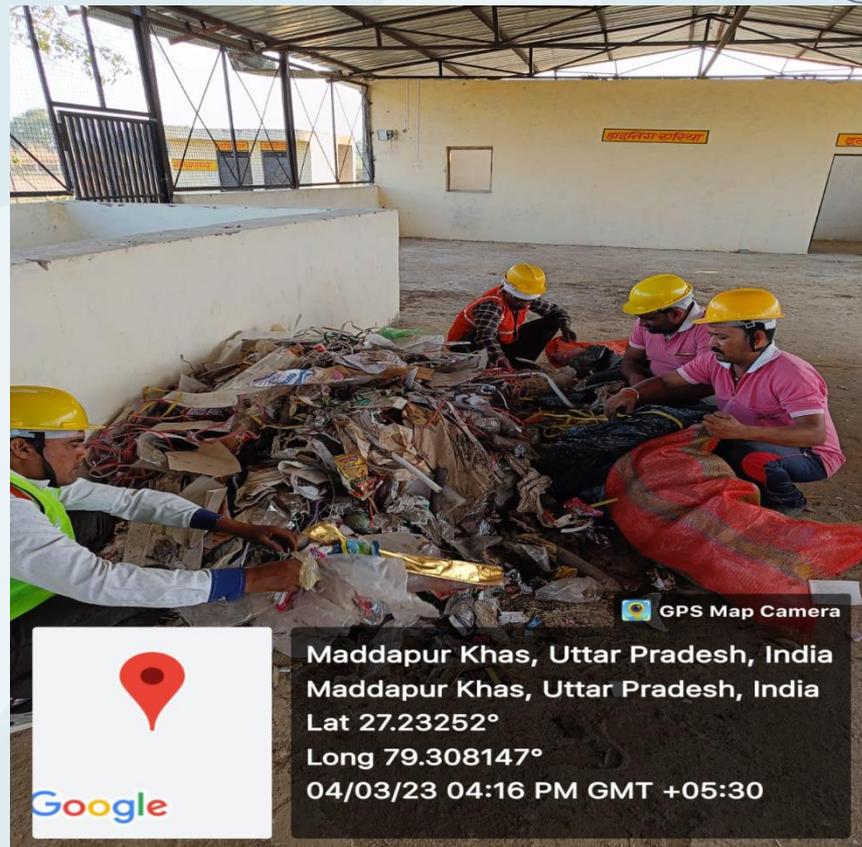
फ़िरोज़ाबाद, उत्तर प्रदेश, भारत
नाम-रहित सड़क, उत्तर प्रदेश 283151, भारत
Lat 27.044477°
Long 78.697719°
21/02/23 02:42 PM GMT +05:30



Google

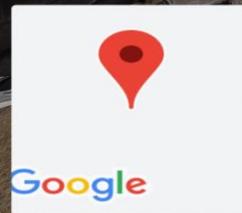
Sirsaganj (NPP)

4922



GPS Map Camera

Maddapur Khas, Uttar Pradesh, India
Maddapur Khas, Uttar Pradesh, India
Lat 27.23252°
Long 79.308147°
04/03/23 04:16 PM GMT +05:30



Kishni (NP)

4923



JHFF+J9M, Chaumuhan Rural, Uttar Pradesh 281406, India

Chaumuhan Rural
Uttar Pradesh
India

22°C
72°F

2023-02-28(Tue) 10:22(am)

Chaumuhan (NP)

4923



GPS Map Camera

Kherat, Uttar Pradesh, India
Unnamed Road, Kherat, Uttar Pradesh
281122, India

Lat 27.363465°
Long 77.762382°
28/02/23 12:27 PM GMT +05:30

Farah(NP)

4924



Vrindavan, Uttar Pradesh, India
 HPG2+7M2, Gaura Nagar Colony, Vrindavan, Uttar Pradesh
 281121, India
 Lat 27.576084°
 Long 77.701907°
 12/01/23 01:14 PM GMT +05:30

Mathura – Vrindavan (M.Corp.)

4924



Dayalbagh (NPP)

4925



Sitapur (NPP)

4925



Tambaur (NP)

4926



Shahabad (NPP)

4926



Ugu (NP)

Plastic Waste Management 4927

- Plastic Waste Generation – 1,030 TPD
- Uttar Pradesh has the potential for disposal of plastic waste of 2,360 TPD.

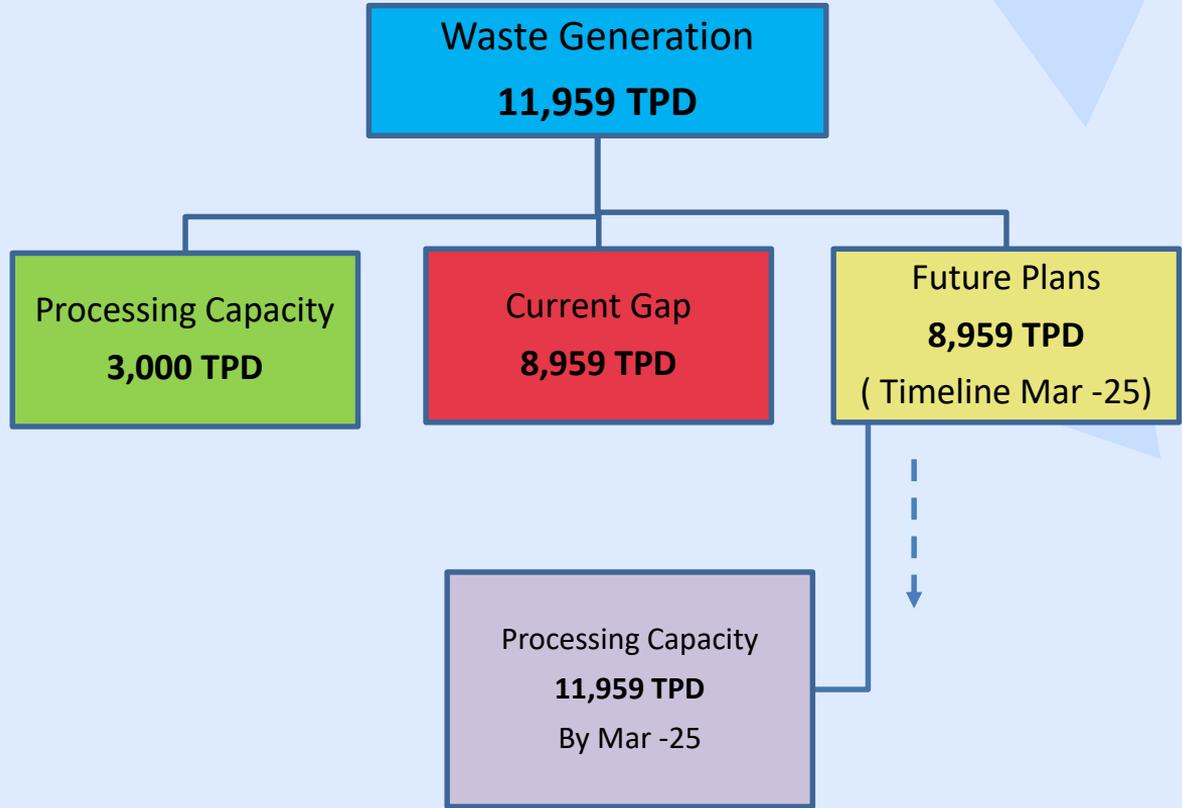
Mode of Disposal	Disposal Capacity
Recycling Facilities (82 Number)	1,908.5 TPD
Co-Processing Facilities -01 (M/s Ultratech Cement, Sonbhadra)	150 TPD
Waste to Oil – 03	33.1 TPD
Waste to Energy - 03	268.97 TPD
Total recycling & disposal infrastructure in UP – 2,360.06 TPD	



4927

Solid Waste Management (Rural)

4928



- Target for 100% Processing of MSW by Mar-25
- All financial assistance is to be fulfilled by SBM 2.0 (GRAMIN) & 15th Financial Commission

4928



Solid Waste Management in Rural areas

4929

- ❖ Total Gram Panchayat (GPs) - 57,785
- ❖ Total Revenue Villages – 95,829
- ❖ Total Rural Population – 15.53 Cr.
- ❖ Total reported solid waste generated- -11,959 TPD
- ❖ Waste Treated in 6000 Villages – 3,000 TPD
- ❖ Compost pit prepared - 40,558 (for 4.86 Crore population)
- ❖ Community bio gas plant operational – 30 (in 18 districts)
- ❖ Waste Collection Vehicles : - 18,559
- ❖ Community Bins installed for segregation of organic and in organic waste -9,098

4929

4930 Solid Waste Management in Rural areas

Action Plan for SWM in Rural Areas :

Target for ODF+ for all GPs as per SBM (GRAMIN) 2.0- **2024-25**

Total GPs 57,785-

Target Year for ODF+	GPs	Villages	Fund (₹ Cr.)
2022-23	4,656	6,000	562
2023-24	25,145	43,000	330
2024-25	27,984	46,829	379
Total	57,785	95,829	

- **100% Coverage of MSW generated – Mar-25**
- **Plants are on-ground to meet the Gap .**
- **Financial grant issued from the fund SBM 2.0 (Gramin) and 15th Financial Commission**

Solid Waste Management (Rural)

4931



E-Rickshaw Door to Door Collection



Community bin



Community bio-gas plant



4931

Vermi Composting



Resource Recovery Center with Composting

4932

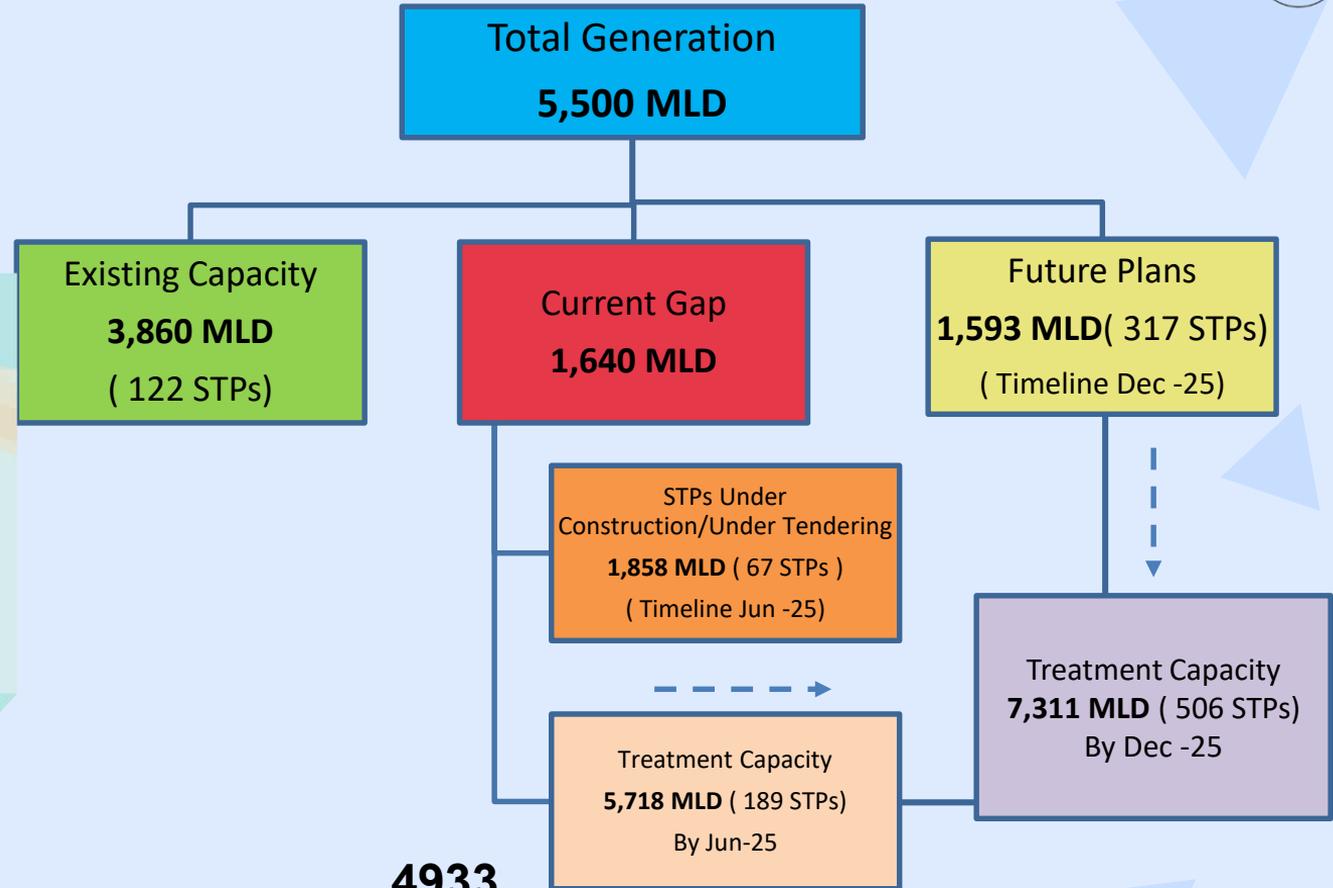


Used Water Management

4932

Used Water Management

4933



- 100% Treatment capacity of used water by Jun -25
- Projects to meet Gap already grounded.
- Funds ring-fenced in respective project accounts

4933

Status of Used Water Management

4934



Total Generation (MLD)	STP Installed		Gap (MLD)	STP Under Construction/ Under Tendering	Timeline	STP Proposed (Future Plan)	Timeline
	Number	Installed Capacity (MLD)					
5,500	<u>122</u>	3,860	1,640	<u>1,004 MLD</u> (52 STPs)	Dec, 2024	<u>1,593 MLD</u> (317 STPs)	Dec-25
				<u>854 MLD</u> (15 STPs)	June, 2025		
				Total 1,858 MLD (67 STPs)- June 2025			
<ul style="list-style-type: none"> 100% Treatment capacity of used water by Jun -25 Projects to meet Gap already grounded. Funds ring-fenced in respective project accounts 				<p>By June 2025 Gap shall be Zero. Total Treatment Capacity shall be 5,718 MLD</p>		<p>Total Treatment Capacity shall be 7,311 MLD by Dec, 2025</p>	

4934

Progress since 2020

4935



Treatment Facilities	2020	2022
STPs	79	122
Treatment Capacity	1,956.18 MLD	3,860 MLD
Under Construction	43	67 (1,858 MLD)
Proposed		317(1,593 MLD)
Total		506 (7,311MLD) (December 2025)

4935

Re-utilization of treated sewage

4936

- 8 MLD treated water from Trans - Yamuna –I and II STPs at Mathura is supplied to IOCL, Mathura.

Future Plan:-

Re-utilization of treated sewage	Timeline
Treated water from Bingawan STP (210 MLD) to Panki Thermal Power Plant (approx. 40 MLD)	June , 2023
20 MLD treated water from Trans - Yamuna –I and II STPs at Mathura is to be supplied to IOCL, Mathura	December,2023
Treated water from Shahjahanpur STP (45 MLD) to Rosa TPS (approx. 40 MLD)	June,2025
Treated water from Aligarh STP (45 MLD) to Harduaganj TPS (approx. 30 MLD)	July,2025
Treated water from Naini, Prayagraj STP (80 MLD) to Bara TPS (approx. 55 MLD)	December, 2025
Treated water from Bulandshahar STP (40 MLD) to Rosa TPS (approx. 20 MLD)	July,2025

4936