

BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI

STATUS OF COMPLIANCE OF MUNICIPAL SOLID WASTE MANAGEMENT
2016 AND SEWAGE MANAGEMENT

AS PER ORDER DATED-10.11.2022



PRESENTATION ON O.A. NO. – 606/2018
BY CHIEF SECRETARY OF MADHYA PRADESH

Date – 14.03.2024
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Achievements of Madhya Pradesh



स्वच्छ
सर्वेक्षण
2023

Awarded No. 2 State in India in Survekshan 2023

- Indore is cleanest city for consecutive 7th time
- Bhopal Achieved 5th at National level for > 1 Lakh
- Nawrozabad Ranked 1st in Fastest Moving City Category for > 1lakh population
- Amarkantak Ranked 2nd in Fastest Moving City Category for > 1lakh population
- Budni Cleanest City (West Zone) for Population 15-25K
- 60 national awards so far
- 7 ULBs Water Plus certified (Indore, Bhopal, Gwalior, Ujjain, Dewas, Dharampuri, Budni)
- 361 ULBs ODF++ Certified
- 156 ULBs GFC Star Rating Certified
- Mhow Cantonment Board Achieved Cleanest Cantonment Board



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MIS of 413 ULBS



Legacy Waste

Total Legacy Waste : 33,44,472 MT

Approved (%) : 100%

Work Started (%) : 36 %

Work Awarding Stage (%) : 43 %

Parameters	Wet Waste		Dry Waste		C & D
	Compost	Bio-methanation	MRF	Waste to Energy	
No. of Plants	368	6	360	2	405
Existing Capacity (in TPD)	2079.00	597	3878.00	700	3785.61

Status of Solid Waste Management in the State (1/3)

Total Waste Generation: 6671.5 TPD

Total Waste Collected: 6614.79 TPD

Total Waste Processed: 6608.79 TPD

S.N.	Item	2020 Status (378 ULBs)	Percentage	2022 Status (413 ULBs)	Percentage	2024 Present Status (413 ULBs)	Percentage	Six Month Progress, Remarks & Timeline
1	Door to Door Collection (%)	372	~ 98%	404	~ 98%	404	~ 98%	Gap in 9 ULBs*. 2 ULBs have more than 80% collection; 7 ULBs have less than 20% collection; Gap will be completed till Dec 2024
2	Source Segregation of Waste (%)	276	73%	388	94%	389	94%	There is a Gap in 24 ULBs. Details are as follows:- 09 ULBs have 90-95% segregation; 04 ULBs have 70-90% segregation; 03 ULBs have 50-60% segregation; 01 ULBs have < 20% segregation; 07 ULBs have < 10% segregation. Gap for Source segregation will be completed till Dec 2024.

* These are Newly formed ULBs

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Status of Solid Waste Management in the State (2/3)

S.N	Item	2020 Status (378 ULBs)	Percentage	2022 Status (413 ULBs)	Percentage	Present Status (413 ULBs)	Percentage	Six Month Progress, Remarks & Timeline
3	Waste Processing (TPD)	6431	(80%)	6479	(98.43%)	6608.79	(99.06%)	Processing Increased by 0.63%. Fund is approved to fulfil the gap. Will be completed till Dec 2024
4	Material Recovery Facility	256 ULBs	68%	400 ULBs	97%	401 ULBs	97%	Gap in 12 ULBs*. Fund is approved for MRFs. Will be completed till Dec 2024
5	Composting Facility	354 ULBs	94%	400 ULBs	97%	401 ULBs	97%	Gap in 12 ULBs*. Fund is approved for compost plant. Will be completed till Dec 2024

- *These are Newly formed ULBs

Compliance of Last hearing order dated 10.11.2022

S.N	Component	2020 Status (378 ULBs)	2022 Status (413 ULBs)	Present Status (413 ULBs)	Remarks
6	Legacy Waste Dumpsite Remediation (86 Numbers)	50 ULBs (Remediate d- 50 Lakh MT)	22 ULBs DPR completed	Work started in 31 ULBs	<ul style="list-style-type: none"> 86 ULBs DPR completed fund allocated of Rs 183.94 Crore in SBM 2.0 18 ULBs Bidding Stage 37 ULBs in bid evaluation and approval stage
7	Sanitary Landfill (39 cluster covering 350 ULBs)	-	5 DPR completed	30 DPR completed	<ul style="list-style-type: none"> Fund allocated of Rs 298 Crore in SBM 2.0. 9 DPRs in preparation stage Tender live for selection of NABET approved consultant for environmental clearance.
8	Training and Capacity Building to Other States	-	4 State ULBs official Training and Capacity Building on Indore Pattern covering 31+ participants	Training and capacity building based on the Indore pattern were conducted for officials of 2 international and 9 states, covering more than 812 participants.	<ul style="list-style-type: none"> Conducted Exposure Visit for Capacity Building on Indore Pattern for more than 812 officials/ commissioner/academy/institutions (sample letter list of visitors attached) With help of MoHUA appointed IIM Indore as Centre of Excellence for providing best-class leadership and training for managing sanitation and waste management initiatives across urban India

Solid Waste Management Processing Facilities

Component	No. of ULBs Targets	Current Available Waste Processing Facilities
Solid Waste Management (SWM)	413 ULBs	<ul style="list-style-type: none"> • 5 Projects are being implemented on ISWM approach on cluster basis through PPP mode covering 60 ULBs. <ul style="list-style-type: none"> ○ 4 Projects are fully implemented ○ 1 projects are under implementation • 4 ULBs are implementing SWM on standalone mode • 360 Material Recovery Facilities constructed covering 401 ULBs having capacity 3878 TPD • 368 compost facilities constructed covering 401 ULBs having capacity 2079 TPD • 6 BioCNG of 597 TPD installed in 3 ULBs • 2 ULBs have Waste to Energy Plant (Rewa- 6 MW Jabalpur- 11.5 MW) • 8 Mechanized C & D Waste Processing Plants constructed • Home composting facilities in 6,62,562 Households. • 6351 DTDC vehicles have been provided to ULBs

Status of Solid Waste Management in Municipal Corporations (1/2)

Particulars		Nov-22				Current Status			
S.N.	ULB Name	Generation (Tons)	Processing (Tons)	Processing Gap	Dumpsite Status	Generation (Tons)	Processing (Tons)	Processing Gap	Dumpsite Status
1	BHOPAL	808.6	808.6	0	Remediated	823.3	823.30	0	Remediated
2	BURHANPUR	86.97	86.97	0	Remediated	86.97	86.97	0	Remediated
3	CHHINDWARA	70.15	70.15	0	Remediated	96.90	96.90	0	Remediated
4	DEWAS	103.67	103.67	0	Under Tendering	108.23	108.23	0	Remediation work under process
5	GWALIOR	355.65	355.65	0	Remediated	463.52	463.52	0	Remediated
6	INDORE	984.6	984.6	0	Remediated	1192	1192	0	Remediated
7	JABALPUR	506.19	506.19	0	Remediated	507.93	507.93	0	Remediated
8	KHANDWA	42.67	42.67	0	DPR Prepared	46.30	46.30	0	Remediation work under process
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Status of Solid Waste Management in Municipal Corporations (1/2)

Particulars		Nov-22				Current Status			
S.N.	ULB Name	Generation (Tons)	Processing (Tons)	Processing Gap	Dumpsite Status	Generation (Tons)	Processing (Tons)	Processing Gap	Dumpsite Status
9	MORENA	79.14	79.14	0	Remediated	79.14	79.14	0	Remediated
10	KATNI	90.62	90.62	0	Remediated	121.06	121.06	0	Remediated
11	RATLAM	125.16	125.16	0	DPR Prepared	125.16	125.16	0	Remediation work under process
12	REWA	123.96	123.96	0	DPR Prepared	123.96	123.96	0	Tendering Stage
13	SAGAR	87.96	87.96	0	Remediated	112.29	112.29	0	Remediated
14	SATNA	79.24	79.24	0	Remediated	79.24	79.24	0	Remediated
15	SINGRAULI	88.64	88.64	0	Remediated	96.95	96.95	0	Remediated
16	UJJAIN	236.55	236.55	0	DPR Prepared	252.80	252.80	0	Tendering Stage

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Status of Solid Waste Management (Urban)- District Wise

Nov-22					Jan-24				
S.N.	District Name	Generation (Tons)	Processing (Tons)	Processing Gap	S.N.	District Name	Generation (Tons)	Processing (Tons)	Processing Gap
1	SINGRAULI	107.63	88.64	18.99	1	SINGRAULI	114.26	96.95	17.31
2	SAGAR	223.02	206.73	16.29	2	SAGAR	245.97	233.49	12.48
3	SHIVPURI	156.93	154.29	2.64	3	SHIVPURI	159.11	149.66	9.45
4	VIDISHA	80.96	79.26	1.70	4	VIDISHA	97.65	89.53	8.12
5	ANUPPUR	25.50	14.99	10.51	5	ANUPPUR	26.21	18.39	7.83
6	RAISEN	50.81	45.83	4.98	6	RAISEN	61.07	56.53	4.54
7	KHANDWA	66.40	62.10	4.30	7	KHANDWA	68.77	64.85	3.92
8	MANDSAUR	66.59	66.52	0.07	8	MANDSAUR	71.03	68.12	2.92
9	BETUL	62.61	61.13	1.48	9	BETUL	93.92	91.66	2.27
10	REWA	150.13	150.13	0.00	10	REWA	148.11	147.57	0.54
11	CHHATARPUR	94.51	94.22	0.29	11	CHHATARPUR	96.46	96.12	0.33
12	UMARIA	13.95	13.85	0.10	12	UMARIA	19.56	19.35	0.22
13	ALIRAJPUR	17.67	17.67	0.00	13	ALIRAJPUR	13.32	13.16	0.15
14	RAJGARH	61.09	60.95	0.13	14	RAJGARH	52.58	52.44	0.14
15	SATNA	117.89	117.89	0.00	15	SATNA	117.55	117.43	0.12
16	JABALPUR	545.88	545.88	0.00	16	JABALPUR	551.85	551.75	0.10
17	NEEMUCH	67.01	67.01	0.00	17	NEEMUCH	48.82	48.72	0.10
18	KHARGAON	88.48	88.48	0.00	18	KHARGAON	88.59	88.52	0.07
19	NARSIMHAPUR	60.90	60.74	0.15	19	NARSIMHAPUR	60.02	59.96	0.06
20	DEWAS	141.06	140.87	0.19	20	DEWAS	146.91	146.86	0.05
21	UJJAIN	301.26	301.26	0.00	21	UJJAIN	299.94	299.89	0.04
22	BHOPAL	811.72	811.72	0.00	22	BHOPAL	826.65	826.61	0.04
23	GWALIOR	409.25	397.98	11.26	23	GWALIOR	517.32	517.29	0.03
24	JHABUA	28.70	28.70	0.00	24	JHABUA	23.17	23.14	0.03
25	CHHINDWARA	141.52	141.52	0.00	25	CHHINDWARA	170.32	170.31	0.01
26	SEHORE	61.65	60.81	0.84	26	SEHORE	60.87	60.87	0.00

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Status of Solid Waste Management (Urban)- District Wise

Nov-22				
S.N.	District Name	Generation (Tons)	Processing (Tons)	Processing Gap
27	DINDORI	6.06	6.06	0.00
28	MURWARA (KATNI)	105.88	105.88	0.00
29	RATLAM	140.82	136.82	4.00
30	AGAR MALWA	23.96	23.96	0.00
31	ASHOKNAGAR	43.73	43.41	0.32
32	BALAGHAT	36.72	36.72	0.00
33	BARWANI	83.86	82.00	1.86
34	BHIND	150.90	150.90	0.00
35	BURHANPUR	96.74	96.74	0.00
36	DAMOH	64.01	64.01	0.00
37	DATIA	60.45	60.13	0.32
38	DHAR	132.96	132.96	0.00
39	GUNA	99.59	99.59	0.00
40	HARDA	27.83	27.83	0.00
41	HOSHANGABAD	62.79	62.79	0.00
42	INDORE	1025.89	1025.89	0.00
43	MANDLA	40.71	40.71	0.00
44	MORENA	148.02	148.02	0.00
45	NIWARI	18.56	17.77	0.79
46	PANNA	36.91	35.98	0.93
47	SEONI	35.78	35.78	0.00
48	SHAHDOL	28.59	28.59	0.00
49	SHAJAPUR	51.96	51.76	0.20
50	SHEOPUR	23.92	23.52	0.40
51	SIDHI	19.56	19.56	0.00
52	TIKAMGARH	42.15	41.51	0.64

Jan-24				
S.N.	District Name	Generation (Tons)	Processing (Tons)	Processing Gap
27	DINDORI	6.44	6.44	0.00
28	MURWARA (KATNI)	133.23	133.23	0.00
29	RATLAM	149.18	149.18	0.00
30	AGAR MALWA	24.88	24.88	0.00
31	ASHOKNAGAR	51.03	51.03	0.00
32	BALAGHAT	37.68	37.68	0.00
33	BARWANI	79.51	79.51	0.00
34	BHIND	135.32	135.32	0.00
35	BURHANPUR	71.08	71.08	0.00
36	DAMOH	53.92	53.92	0.00
37	DATIA	61.55	61.55	0.00
38	DHAR	123.49	123.49	0.00
39	GUNA	96.24	96.24	0.00
40	HARDA	29.24	29.24	0.00
41	HOSHANGABAD	62.96	62.96	0.00
42	INDORE	960.58	960.58	0.00
43	MANDLA	41.28	41.28	0.00
44	MORENA	123.00	123.00	0.00
45	NIWARI	16.48	16.48	0.00
46	PANNA	36.84	36.84	0.00
47	SEONI	33.11	33.11	0.00
48	SHAHDOL	31.62	31.62	0.00
49	SHAJAPUR	54.71	54.71	0.00
50	SHEOPUR	23.10	23.10	0.00
51	SIDHI	21.18	21.18	0.00
52	TIKAMGARH	41.92	41.92	0.00

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* Action Plan prepared for all Districts

Total MSW Processed comprising all districts – 99.11%

Compliance of rule 22, SWM 2016 (1/2)

S. N.	Activity	Target ULBs	Present Status	Timeline
1	Identification of suitable sites for setting up solid waste processing facilities	413	Completed	-
2	Identification of suitable sites for setting up common regional sanitary landfill facilities for suitable clusters of local authorities under 0.5 million population and for setting up common regional sanitary landfill facilities or stand-alone sanitary landfill facilities by all local authorities having a population of 0.5 million or more	413	Completed	-
3	Procurement of suitable sites for setting up solid waste processing facility and sanitary landfill facilities	413	Completed	-
4	Enforcing waste generators to practice segregation of bio-degradable, recyclable, combustible, sanitary waste domestic hazardous and inert solid wastes at source	413	Completed	-
5	Ensure door to door collection of segregated waste and its transportation in covered vehicles to processing or disposal facilities.	413	In 404 ULBs-100% Remaining 9 ULBs achieved partial segregation	Dec-24

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Compliance of rule 22, SWM 2016 (2/2)

S. N.	Activity	Target ULBs	Present Status	Timeline
6	Ensure separate storage, collection and transportation of construction and demolition wastes	413	405 ULBs Remaining 8 ULBs to set up storage and collection facility	Will be completed till Dec 2024
7	Setting up solid waste processing facilities by all Local Bodies having 100000 or more population	33	Completed	-
8	Setting up solid waste processing facilities by Local Bodies and census towns below 100000 population.	380	368 ULBs have SWM facility Remaining 12 to set up plant	Funds approved. Will be completed till Dec 2024
9	Setting up common or stand-alone sanitary landfills by or for all Local Bodies having 0.5 million or more population for the disposal of only such residual wastes from the processing facilities as well as untreatable inert wastes as permitted under the rules	4 Common SLF	Completed	-
10	Setting up common or regional sanitary landfills (SLF) by all Local Bodies and census towns under 0.5 million population for the disposal of permitted waste under the rules	43 Common SLF	4 Completed, Out of remaining 39 Common SLF. 10 are approved from NARC, 29 DPR under preparation and approval	Will be completed till Dec 2025
11	Bioremediation or capping of old and abandoned dump sites	136 1151 / 1180	50 ULBs remediated, 31 ULBs work started, 55 ULBs to remediate	Will be completed till Aug 2024



Indore – Model of Municipal Solid Waste Management

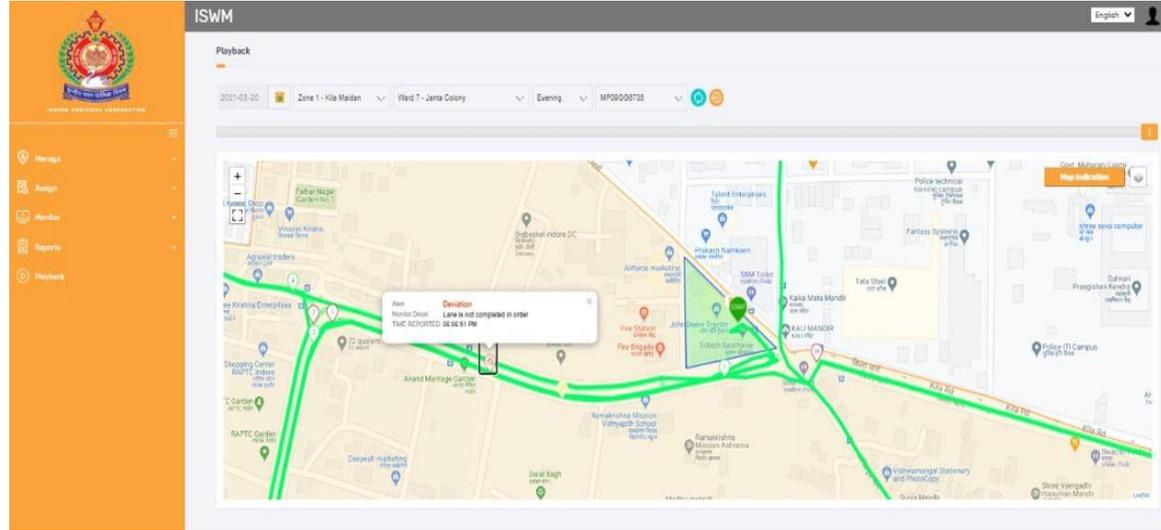
Cleanest city of India for 7th consecutive time

Waste generation - **1192 MT** MSW per day

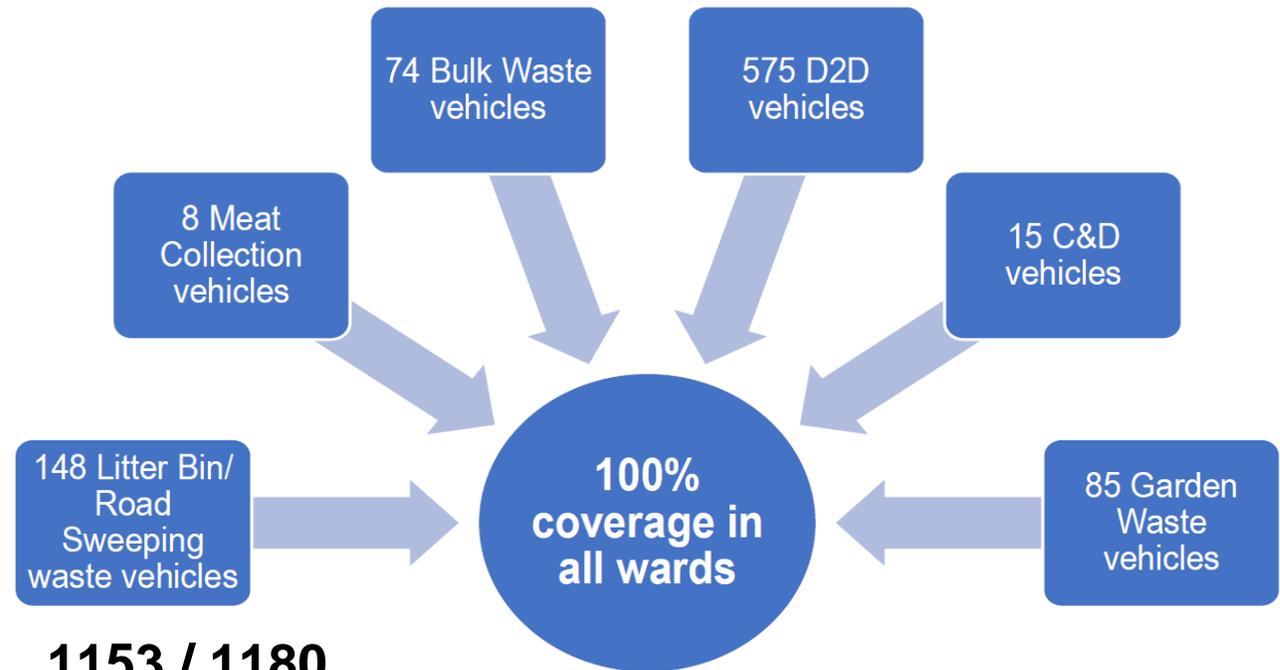


S.N	Type of waste	Qty of waste Gen. (in TPD)	Processing Mechanism	Functional Capacity Available (In TPD)
1	Wet	692	Centralized	550
2			Decentralized	205
3	Dry	485	Centralized	400 + 200
4			Decentralized	44
5	Sanitary	11.5	Centralized	20
6	Domestic Hazardous and E Waste	3.4	Centralized	55
	Total	1192		1474
7	C&D	64.6	Centralized	100
8	Landfill	1192 / 1180	Centralized	600000

D2D Collection Fleet Expansion And Technological Advancement



End-to-end automated service delivery mechanism



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Waste Generation in Indore and segregation – 6 Bin Concept

Total Municipal Waste Generation – 1192 TPD



Wet Waste

692 TPD



Non-Plastic Waste

304 TPD



Plastic Waste

179 TPD



E-Waste

2.1 TPD



Sanitary Waste

11.5 TPD



Domestic Hazardous
Waste

3.4 TPD

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State of Art Ultra Modern Processing Plants

10 Ultra Modern Mechanized Transfer Stations



550 TPD Bio CNG Plant (Centralized)



400 TPD Automated MRF (Centralized)



Indore - Bioremediation Transformation Into City Forest (1/2)

2015



15 Lakh MT of Legacy Waste Existed at Dumpsite

2019



Bio-Remediation of 100% Legacy Waste

2017



2020



Indore - Bioremediation Transformation Into City Forest (2/2)

- Reclamation of over 100 acres land worth Rs 300 Cr.
- Transformation into City Forest – 1.50 lac trees planted

2022

PRESENT



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Dumpsite Remediation of Legacy Waste – Bhanpur Khanti (Bhopal)



- **Technology: Bio Mining & Capping**
- **Project Cost: 42 Crores (+10 Cr O&M for 5 years)**
- **Bidding Parameter: Land Reclamation**
- **21 acre of land worth Rs. 130 Cr. Reclaimed**
- **16 acres of land scientifically capped**

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Waste to Energy Plant on PPP Model



- ▶ Katondha Power Plant, Jabalpur developed on PPP Model.
- ▶ 11.5 MW installed capacity of energy plant.
- ▶ 550 Tons waste treating per day, receiving from 16 ULBs
- ▶ Cleanliness has improved environmental conditions

Best Practice - Integrated Solid Waste Management Project – Katni Cluster

Waste Processing Plant & Scientific Landfill of Integrated Solid Waste Management, Katni cluster



Katni Msw plant

Katni MSW Plant



Trommel



Aeration Pit



Composting



Animal Cages Incinerator



Scientific Landfill

Best Practice - Integrated Solid Waste Management Project – Sagar Cluster

Waste Processing Plant & Scientific Landfill photos of Integrated Solid Waste Management, Sagar cluster



Sagar MSW Plant Overview



Sagar MSW Plant



MSW Plant Shed



Trommel



Waste Pit



Scientific Landfill

Best Practice-Integrated Solid Waste Management Project – Rewa Cluster

Waste Processing Plant & Scientific Landfill photos of Integrated Solid Waste Management, Rewa cluster



ISWM Facility



Air Cooled Condensor



TG Hall



Boiler



Ash Pit



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Material Recovery Facilities (MRF) & Composting Facilities in Other ULBs



MRF- Tonkhurd



MRF- Nagda



MRF-Pithampur

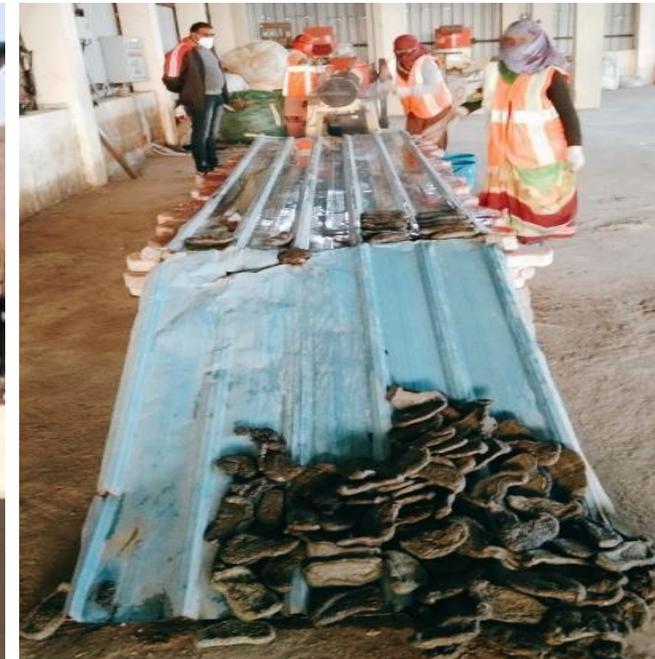


MRF- Seoni Malwa



MRF- Rampura

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Material Recovery Facilities (MRF) & Composting Facilities in Other ULBs



SEONI MALWA



Rajgarh



Barwani



Khachrod



Badnagar



SBM – Construction & Demolition Waste Plant



3 R Initiatives Under Solid Waste Management in The State

The State aims to move toward 3R (Reduce-Reuse-Recycle). Some of the initiatives taken by the ULBs on 3R principles are:

- Ban on single-use plastic,
- Home composting,
- Bartan banks, cloth banks,
- Extensive IEC activities (such as rallies, meetings, workshops, campaigns) and
- Involvement of SHGs and RWAs, converting leaves into disposables, distribution of cloth-bags, “neki ki diwar”, etc. In addition, as per updated MIS by ULBs:
- In the state there are 1115 RRR centres in which citizens are engaged to donate the non useable items like books cloths toys shoes etc. these items are cleaned and is made useable and given to needy people



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IEC Activities- Community Participation - Soul Of SWM

Women engagement



IEC for 6 Bin Source Segregation



Awareness Drive for Wrapping Sanitary Waste



Decentralized Dry waste Collection System



Sewage Management Progress at a Glance in Madhya Pradesh

Sewage Generation in Urban : 2183.7 MLD

Details	Nov-2022	May - 2023	Jan- 2024	Six Months Progress
Operational STPs	57 STPs of 1312 MLD	57 STPs of 1312 MLD	64 STPs of 1436.59 MLD	7 STP of 135.7 MLD
Utilized Capacity	696.03 MLD	784.29 MLD	824.34	↑ 40 MLD
Gap in treatment	1487.67 MLD	1399.36 MLD	1359.36	↓ 40 MLD
Under Construction STPs	51 STPs of 461.79 MLD	49 STPs of 436.79 MLD	44 STPs of 362.86	↑ 5 New STPs Of 30.66 MLD
Proposed STPs	6 STPs of 30.05 MLD	11 STPs of 254.43 MLD	433 STPs MLD of 2157.32	↑ 422 New STPs Proposed
Households connected	8,60,897	9,08,872	992598	↑ 83726
Waste Water Reused	214.01 MLD	331.24 MLD	336 MLD	↑ 4.76 MLD

FSTPs Current Status	No of FSTPs	Capacity of FSTPs(MLD)
Operational FSTPs	315	16.06

ACTION PLAN for Gap in Treatment

S.No.	Scheme	No. of STPs	Capacity (MLD)	Project Cost	Timeline
1	AMRUT, KFW, World Bank, Vishesh Nidhi, ADB 1, ADB2	33	286.2	1789.14	Till Dec 2024
2		6	46	349.71	Till Dec 2025
3		4	28.56	320.84	Till Dec 2026
4		1	2.1	32.71	Till Dec 2027
5	Under Tendering process(Amrut, NMCG , Amrut 2.0,SBM 2.0)	24	338.08	1071.32	2 Year from Date of Sanction
6	Proposed under Amrut 2.0	35	990.94	4587.29	Till Dec 2028
7	Proposed under SBM 2.0	374	828.3	1201.72	Till Dec 2026
Total		477	2520.18	9352.73	

Total Reuse of Treated Water– 336 MLD

268.88 MLD

Agriculture / Horticulture

67.2 MLD

Firefighting, Fisheries, Street & Vehicle cleaning, Flushing and Construction

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Status of STP's

Sewage Generation in Urban : 2183.7 MLD

Detail of STP's in the state of M.P

Stage of STP's	No. of STP's	Capacity of STP (MLD)
Operational STP's/ Under trail	64	1436.59
Under Construction	44	362.86
Proposed	433	2157.32
Grand Total	541	3956.77

Best Practice Gwalior– 100% Reuse of Treated Waste-Water



145 MLD STP JALALPUR



65 MLD STP LALTIPARA



4 MLD STP LASHKAR



Irrigation Canal

*In Gwalior for 89.2 MLD treated Effluent is directly fed into the Irrigation canal for **100% reuse***

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Irrigation Canal

STPs – Indore Municipal Corp.



Kabitkhedi - 245 MLD



Kabitkhedi - 78 MLD

Zoo - 35 MLD

Naharbhandara - 11 MLD



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Indore – Reuse of Treated Waste-Water



OHT 3.0 ML at Meghdoot Garden



Zoo & Bijalpur Reuse Sump – 0.5 & 0.3 ML



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Bhopal Sewerage Project (AMRUT-1)



5 MLD STP AT SHIRIN RIVER



6 MLD STP Neelbad

6 MLD STP IN NEELBAD



9.5 MLD STP Bansal Hospital

9.5 MLD STP AT BANSAL HOSPITAL

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Photo Exhibits of New STPs in other Cities



25 MLD STP IN MORENA



12 MLD STP IN BHIND



17.6 MLD STP IN KHARGONE^{1176 / 1180}

THANK YOU

Solid Waste Management Processing Facilities

S.No	Available waste processing facilities	Count of ULB/City	Total Designed Capacity_TPD
1	Bio Methanation	6	597.00
2	Material Recovery Facility (MRF)	401	3878.00
3	Waste To Compost	401	2079.00
4	Waste to Energy	2	700.00
5	C & D Waste Processing Facility	405	3785.61
6	Domestic Hazardous/Sanitary Treatment Facilities	379	2590.23
	Grand Total		13629.83

Training and Capacity Building Indore Pattern

S.No.	Name of person/Group	Designation	Number of persons Visited	Department	State	Date of visit	Remarks
1	Manjushree N, IAS with Commissioner and Engineer	Director	11	Directorate of Urban of Municipal Administration, Bangalore	Karnataka	8/11/2022	Letter attached
2	Dr. Krishnakymar B & Er. Saurabh Sakhre	Senior Princical Scientist and Scientist	2	National Institute for Interdisciplinary Science and Technology	Kerala	19/11/2022	Letter attached
3	Shri J Sonal, IAS	Commissioner, Deputy Commissioner, Sanitation Expert	4	Urban Administration	Odisha	22/11/2022	Letter attached
4	Neha Sharma, IAS	Mission director	13	Urban Administration	Uttar pradesh	18/11/2022	Letter attached
5	Manoj Mhase	Chief Municipal Officer	8	Municipal Council	Maharashtra	5/12/2022	Letter attached
6	Prerna Kejriwal	Student	1	NMIMS University	Maharashtra	5/12/2022	Letter attached
7	Shri Nigam	Director	1	MoHUA	Gol	8/12/2022	Letter attached
8	All State ULB officials	-	36	State ULB	Maharashtra	14/12/2022	Letter attached
9	All State ULB officials	State Officials	30	Urban Administration	Karnataka	15/1/2023	Letter attached
10	Basanta Adhikari	CEO, Kathnandu Metropolitan city			Govt. Of Nepal	21/12/2022	Letter attached
11	Employee Staff	JUSCO SAHYOG KENDRA (TATA Steel)	3	TATA	Jharkhand	19/4/2023	
12	Bachhanidi Pani, IAS	Commissioner	6	Municipal Corporation	Gujrat	13/3/2023	Letter attached
13	Hon. Pushpa Kamal Dahal 'Parchanda'	Prime Minister of Nepal	5	Nepal	Nepal	31/05/2023	Letter attached
Total			120	1179 / 1180			

Training and Capacity Building Indore Pattern

S.No.	Name of person/Group	Designation	Number of Participants	Department	State	Date of Visit	Remarks
1	KT Balabhaskaran	Executive director	20	Local Self Govt Dept.	Kerala	7/8/2023	Letter attached
2	Sri Prashant Jeevan Patil, IAS, and Siddipet Municipality	DM	43	Urban Administration	Telangana	21/9/2023	Letter attached
3	Sardar Vallabhai Institute of Technology, Surat	Professor and Section head	16	Education Institute	Gujrat	22/9/2023	Letter attached
4	Mahatma Phule Renewable energy and infrastructure technology Ltd.	Managing director	8	Psu	Maharashtra	25/9/2023	Letter attached
5	Municipal Council Murum, Osmanabad	Chief officer	5	Urban Local Body	Maharashtra	25/9/2023	Letter attached
6	Lal Bahadur Shastri Institute of Tech. & Mgmt., Indore	Section officer	45	Education Institute	Madhya Pradesh	29/9/2023	Letter attached
7	Smt. D. Haritha, IAS	Commissioner	48	Municipal Administration Dept.	Andhra Pradesh	30/9/2023	Letter attached
8	Sudhakar Shinde	Additional Municipal Commissioner, Brihanmumbai Municipal Corporation	360	Municipal Corporation	Maharashtra	30/1/2023	Letter attached
9	AILSG	Regional Director	30	Education Institute	Maharashtra	17/2/2023	Letter attached
10	NIUA	Program lead	10	Education Institute	New Delhi	23/2/2023	Letter attached
11	Smt. Kirthi chekuri, IAS	Municipal Commissioner, Guntur	23	Municipal Corporation	Andhra Pradesh	6/2/2023	Letter attached
12	C.R. Garg, IAS	Director	12	Directorate Of Training : UTCS	New Delhi	6/2/2023	Letter attached
13	Dr. Thomas Gietzen	Senior Portfolio Manager	18	KFW Development Bank	Germany	7/2/2023	Letter attached
14	Siddhant Vivek Agrawal	Head, operations	5	Institute Of Chartered Waste Managers	Rajasthan	8/2/2023	Letter attached
15	Principal	Principal	49	Indore Institute Of Medical Sciences	Madhya Pradesh	8/2/2023	Letter attached

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