

SUMMARY

SUMMARY OF STATUS

A: Solid Waste Management					
Quantity of waste generation in the State (inTPD)	Waste Processed (inTPD)	Under progress (inTPD)	Quantity of waste being disposed in landfills (inTPD)	No. of Legacy waste dump sites	No. of sites covered through Biomining and correspondingly Area recovered
12125	9679	2446	835	151 dumpsites in an area of 965.31 acres & One GHMC capped dumpsite	•work commenced – 6 sites •work order issued for 145 sites •GHMC capped dumpsite tendering under process

Good Models for replication:

- Haritha haram is under implementation in the state with more than 260 crore saplings in the last 6 years.
- Construction and Demolition Waste Plant with 1000 TPD is commissioned in GHMC area.
- Closed Compactors are being used for transport of the waste instead of open trollies in GHMC area.
- Waste to Energy plants with 24 MW capacity is commissioned at Jawaharnagar, Integrated MSWM site.
- 500KVA solar roof plant is installed at Jawaharnagar.
- Bio-methanation plants established at 7 different locations with 21 TPD.
- Tractors with segregation compartments, village dump yards, compost yards and crematoriums are provided in all 12769 GPs.
- 11,73, 496 magic soak pits are constructed to address the grey water issue in rural areas and 34,104 community soak pits with 400.57 crores were constructed to address the grey water issue in rural areas.
- Under Pallepragathi and Pattanapragathi program, in every village and town established a park with greenery, pathways and other public convenience facilities.

SwaachhSurvekshan Awards:

- Telangana has been declared as one of the top two performing States and a winner in as many as 12 categories at the National-level sanitation challenges and competitions
 - ‘SwachhSurvekshan’ garbage free city ranking (Aug. 20-May 21).
 - Safaimitra Suraksha challenge (Nov. 20-Aug. 21) for overall sanitation improvement,

- enhanced citizen awareness and engagement towards waste management
- Hyderabad received award in ‘Best Self Sustainable Mega City’ category
- DeenDayalUpadhyayPanchayathSashakthikaranpuraskar was received by one ZillaParishad, 4 Mandal Parishads and 11 GPs under National Panchayath Award’s for the year 2021.

Model cities, towns, villages:

Sl. No.	Model City / Town / Villages identified	Door to Door collection	Segregation	Processing	Facilities
1.	Hyderabad	100% 6945 TPD	52%	100 % Integrated SWM with 7000 TPD	Waste to Energy, Plastic recycling, Composting, Bio-Methanation facilities established.
2.	Warangal	100% 410 TPD	95%	389.81 TPD	Plastic recycling, Composting, Bio-Methanation facilities established.
3.	Karimnagar	100% 154.84 TPD	95%	147.1 TPD	Plastic recycling, Composting, Bio-Methanation facilities established.
4.	Siddipet	100% 35.89 TPD	100%	35.89 TPD	Plastic recycling, Composting, Bio-Methanation facilities established.
5.	Siricilla	100% 19.68 TPD	95%	18.69 TPD	Composting and DRCCs facilities established.
6.	Boduppal	100% 38.23 TPD	90%	34.4 TPD	Composting and DRCCs facilities established.
7.	96 villages @ three villages each in 32 Districts	100%	100%	100% Wet and Dry waste	Trolley with compartment for Door to Door collection and processing facilities for dry and wet waste constructed. Tie up with Plastic waste recycles established.

B): Sewage Management					
Quantity of sewage generation in the State	Treatment capacity in MLD	Current progress in treatment (MLD)	Utilization of treated sewage in		
			Agriculture/ Horticulture Purpose	Industrial purpose	Any other purpose
2750 in MLD	Municipal STPs-905 Non-Municipal STPs-160	1685 46 STPs with 1473.5MLD are under construction with completion of time by June, 2023	The treated waste water is being used for agriculture purpose along the Musi River	2 MLM	67 Million Liters of treated water is used for plants and C & D waste processing units. 105 MLD Non municipal STPs in town ships are reusing the water for gardening and avenue plantation

Timelines for completion and execution:(considering timelines given by Supreme Court, NGT and in Rules are over)

Actions planned	Status & Numbers	Capacity	Timeline	Cost in Rs in Crores
Solid Waste Processing Facilities	129 ULBs	2961 TPD	March, 2023	200 (with O&M for 10 years)
C & D Waste in GHMC area	2	1000 TPD	Commencement of Waste collection – 10.10.2022	PPP Model with site by Govt.
C & D Waste other than GHMC area	3 clusters	247 TPD	March, 2023	21
Bio Mining in other than GHMC	9 clusters with 123 ULBs	6.0 Million Tons	March, 2024	178.60
Bio-mining of capped dumpsite at Jawaharnagar	1	12 Million Tons	3 years after award of works	660
WTE	1 under construction	14.5MW	March, 2023	By concessionaire
STPs(GHMC area)	Under Construction 31 STPs	1259.5 MLD	June, 2023	3866

Good Models for replication:

(1) Urban:

- Dial a tanker : HMWSSB has empanelled 87 Septic Tank Cleaning Vehicle Operators for transportation of septage and safe disposal at co-treatment facilities at existing STPs.
- Operation and maintenance of all the STPs is given to one operator for 5 years.
- New STPs are taken up under Hybrid Annuity Model (HAM) with 60% by the agency and 40% by Govt. with 15 years O&M.
- HMWSSB has installed real time sensors for performances monitoring along with IP cameras and monitoring through mobile app.
- Construction of the FSTP

(2) Rural

- Construction of 11.73 lakh magic soak pits in large numbers to address the grey water.