



**HON'BLE NATIONAL GREEN TRIBUNAL
PRINCIPAL BENCH, NEW DELHI**



**PRESENTATION IN THE MATTER OF O.A. NO. 606 / 2018
11TH MAY, 2023 REGARDING MSWM AND SEWAGE MANAGEMENT**

**U.T. ADMINISTRATION OF
DADRA AND NAGAR HAVELI &
DAMAN AND DIU**

INTRODUCTION TO LOCAL BODIES IN THE UT

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DETAIL	DAMAN	DIU	DADRA & NAGAR HAVELI	UT OF DNH & DD
AREA (SQ.KM.)	72.00	40.00	491.00	603.00
POPULATION (2011 CENSUS)	1,91,173	52,074	3,43,709	5,86,956
NO OF LOCAL BODIES	2 (1 urban and 1 rural)	2 (1 urban and 1 rural)	2 (1 urban and 1 rural)	6
WARDS IN URBAN AREA	15	13	15	43
HOUSEHOLDS IN URBAN AREA	20,007	5,249	24,105	49,361
WARDS IN RURAL AREA	128 (14 GPs)	38 (4 GPs)	183 (20 GPs)	349 (38 GPS)
HOUSEHOLDS IN RURAL AREA	58,464	6,912	64,078	1,29,454
PROJECTED POPULATION FOR 2023	2,52,272	68,717	4,53,008	7,73,997

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QUANTUM OF WASTE GENERATED IN THE DISTRICTS

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DETAIL	DAMAN	DIU	DADRA & NAGAR HAVELI	UT OF DNH&DD
MUNICIPAL SOLID WASTE (METRIC TONNES PER DAY) – 2023	95.00	32.00	119.00	246.00
SEWAGE (MILLION LITRES PER DAY) – 2023	30.18	8.2	54.33	92.71

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MUNICIPAL SOLID WASTE MANAGEMENT

IN THE

**UNION TERRITORY OF
DADRA AND NAGAR HAVELI &
DAMAN & DIU**

SOLID WASTE PROCESSING CAPACITY – AT A GLANCE

TOTAL WASTE HANDLING (AS ON DATE) = 246.00 TPD

DETAILS	DAMAN	DIU	DADRA & NAGAR HAVELI
CAPACITY OF THE FACILITY	150 TPD	33 TPD	150 TPD
GENERATED	95.00 (TPD)	32.00 TPD	119.00 TPD
PROCESSED	95.00 (TPD) 100 %	32.00 TPD 100 %	119.00 TPD 100 %
GAPS IN PROCESSING & QUANTITY DISPOSED IN LANDFILL	0	0	0

MUNICIPAL SOLID WASTE MANAGEMENT – GOOD PRACTICES

DETAILS	DAMAN	DIU	DADRA & NAGAR HAVELI
DOOR TO DOOR COLLECTION	Yes	Yes	Yes
AT SOURCE SEGREGATION	Implemented	Implemented	Implemented
TIME SCHEDULE AND ROUTE OF COLLECTION	Publicised	Publicised	Publicised
BELL / SONG ANNOUNCEMENT ON THE VEHICLE	Bell / Song	Bell / Song	Bell / Song
PARTITION & GPS IN VEHICLES	Done	Done	Done

PROCESSING OF MSW⁷⁰ AT THE PROCESSING FACILITIES

HEADS	DAMAN	DIU	DADRA & NAGAR HAVELI	UTILIZATION
COMPOSTING (TPD)	47.5	14.40	59.50	Sold to local farmers
REFUSE DERIVED FUEL & PLASTICS (TPD)	17.10	6.40	20.23	Sent to cement industries for co-processing
METALS & RAGS	9.50	3.20	11.90	Sold to different Vendors
INERTS (TPD)	20.90	8.00	27.37	Filling of low-lying areas
TOTAL	95.00	32.00	119.00	--

DETAILS OF LEGACY¹ WASTE DUMPSITES

DISTRICT	NO. OF LEGACY WASTE DUMPSITES (WITH QUANTITY)	NO. OF DUMPSITES RECOVERED THROUGH BIO-MINING (WITH QUANTITY)	GAP
DAMAN	2 Sites 26,000 MT (Abandoned) / Site Not In Use	--	--
DNH	2 sites 1,77,010 MT (Abandoned) / Site Not In Use	--	--
DIU	1 site 10,000 MT (Abandoned)	--	--

- Note:** No waste is being landfilled as of now. No Landfill sites permitted after operationalization of Waste Management Agencies. *Contacted Ahmedabad Municipal Corporation for Reclamation of Sites

MAJOR INITIATIVES COMPLIANCE OF SWM RULES, **2016**

- 100 % Door-to-Door Collection of Solid Waste
- All hotels in the UT have constructed individual STPs.
- Provision of User Charges & Penalties in compliance to Solid Waste Collection
- Encouragement of Source Segregation through provision of separate bins for Wet Waste & Dry Waste.
- Conducting of IEC activities in Housing societies regularly.
- Mechanized Sweeping at Public / Commercial Places by Local Bodies.
- Removal of Garbage Vulnerable Points (100% Achieved)
- Transportation of Municipal Solid Waste through Compactors & covered tippers
- GPS Enabled Tracking System to track Live Location of Waste Collection Vehicles.
- Encouragement of Maximum segregation and processing so as to zero down on landfilling.
- Presence of Monitoring & Grievance Mechanisms for the public with active redressal process besides deployment of Sanitary Inspectors, Monitors, Supervisors and Swachhata Praharis.

IEC ACTIVITIES & CLEANLINESS DRIVES



Workshops on promotion of Reusing of Used Plastic Bottles

Plastic Bottles being Used for Plantation to enhance aesthetics of public walls

Boundary Walls Painted to promote proper solid waste management

IEC ACTIVITIES & CLEANLINESS DRIVES



Cleanliness Drives being
Conducted by the
Administration every 2 Months
to Sensitize the common public

Day & Night Choupaals
conducted by the
Administration at each
individual Villages

Beach Cleaning Activities
being held every 2-3 Months

IEC ACTIVITIES & CLEANLINESS DRIVES



Distribution of Twin Bins to Residential & Commercial Establishments, shops, etc. to promote source segregation



Sensitization of school, colleges, panchayats, societies through Plays & skits by NGOs



Mechanical Sweeping of Street-sides & Kerbs

Awards Under Swachh Bharat Mission (Phase II)

2nd October, 2022

NAME OF THE AWARD	CATEGORY	STATE / DISTRICT	RANK	AWARD INCENTIVES
Swachh Bharat Purushkar 2022 for Swachh Sarvekshan Grameen 2021	Overall top states (smaller states and UT with population less than 30 lakhs)	UT of DNH & DD	2 nd	1.50 Crores
	UT Category District-wise	Diu	2 nd	0.50 Crores
		Daman	3 rd	--
Wall painting competition on ODF Plus		UT of DNH & DD	1 st	--



SEWAGE MANAGEMENT
IN THE
UNION TERRITORY OF
DADRA AND NAGAR HAVELI &
DAMAN & DIU

SEWAGE MANAGEMENT IN THE UT

HEADS	DAMAN		DIU		DADRA AND NAGAR HAVELI	
Quantity of Sewage Generated (MLD) (as per projected population of 2023)	Urban: 5.50	Rural: 24.68	Urban: 2.80	Rural:5.40	Urban:13.33	Rural: 41.00
Capacity of STP being used for Urban areas (MLD)	4.21 (Moti Daman) 10.00 (Nani Daman – Under Construction)		7.0		13.00	
Quantity of Sewage Currently Being Treated in urban areas (MLD)	0.75 (will be fully utilized once sewerage is completed)		0.0		3.64	
Sewage being treated in rural areas	100%		100%		100%	
Existing Sewerage Network (Kms.) for urban areas	65.55	(Proposed)	50.27	(Proposed)	301.47	(Proposed)
	22.88	Completed	43.21	Completed	99.48	Completed
	42.67	Laying Under progress	7.10	Laying Under progress	201.98	Laying Under progress

Note:

- 1. More than 70% sewage is being generated in rural areas for which technologies such as soak pits suggested by SBM(G) II guidelines are in place**
- 2. No sewage is being discharged in open**

SEWAGE MANAGEMENT IN THE UT

HEADS	DAMAN	DIU	DADRA AND NAGAR HAVELI
Location	Moti Daman, Fort Area	Gandhipada, Diu	Near Piparia Industrial Area
Technology being used in STP	Sequential batch reactor	Sequential batch reactor	Sequential batch reactor
Operational Status	Operational Since 2019	Shall be Operational in the next 2-3 Months	Operational Since 2019
Disposal Of Treated Sewage	Sprinkling on Street-side plants, fort area gardens & lawns, use at construction sites, etc.	Not Generated At Present	Sprinkling on Street-side plants, use at construction sites, etc.

STPs IN THE UT OF DNH & DD



MOTI-DAMAN STP



DNH STP



DIU STP
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