

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

Name of City/Town:	NANDED	District:	NANDED
Name of Municipal Body:	NANDED WAGHALA Municipal Corporation	Division:	Aurangabad
Address:	Nanded	State:	Maharashtra
Telephone:	(02462) 34405, 34461, 34710	Fax:	32071
Email:		Website:	
• DEMOGRAPHY			
.1	Name of Officer In-Charge	Health Officer	
.2	Area of Municipal Corporation /Council (Please provide map showing legal limits of municipal body) (km ²)	46 sq. km	
.3	No. of wards / zones	13 wards / 5 zones	
.4	Total population (as per 1991 census)	3,09,316	
.5	Total population (as per 2001 census)	4,30,000	
.6	Population		
	• Urban	358881	
	• Slums	71,119	
.1	Floating population	5000 to 6000	
.2	Total no. of household	61,000	
• GENERATION OF MUNICIPAL SOLID WASTE			
.1	Total MSW generation (MT/day)	149 MT	
.2	MSW generation (gms/capita/day)	250 gm	
.3	Of the total MSW generated		
	• Quantity of domestic MSW (MT/day)	110	
	• Quantity of commercial MSW (MT/day)	19	
	• Quantity of industrial (non-toxic and non-hazardous) waste (MT/day)	5	
	• Quantity of waste from markets (MT/day)	10	
	• Quantity of waste from hotels and restaurants (MT/day)	5	
• SWEEPING			
.1	Total length of roads (with or without footpath) (km)	101 Km (252 Km) ????	

	<ul style="list-style-type: none"> Total length of asphalted roads (km) 	118 km (5 km foot path)
	<ul style="list-style-type: none"> Total length of Kutchha roads (km) 	91 km (28 km for sweeping)
.1	Total no. of sweepers employed	730
	<ul style="list-style-type: none"> Departmental 	100
	<ul style="list-style-type: none"> Contracted 	100
.1	Working hours of sweepers	3 hrs
.2	Norms of sweeping (e.g. one sweeper per ... population, or one sweeper per ... sq. m. area, or one sweeper per ... RMT road)	One sweeper per 3000 to 5000 sq. m area
.3	Sweeping carried out at a location by	<input type="checkbox"/> One sweeper <input type="checkbox"/> Two sweepers <input type="checkbox"/> Three or more sweepers
.4	Sweeping waste is put in a...	<input type="checkbox"/> Box type wheel barrow <input type="checkbox"/> Containerised handcart <input type="checkbox"/> Cane or bamboo basket <input type="checkbox"/> Roadside bin <input type="checkbox"/> Open dump <input type="checkbox"/> Directly in the vehicle
.5	Frequency of sweeping	<input type="checkbox"/> All seven days a week <input type="checkbox"/> Six days in a week <input type="checkbox"/> Alternate days <input type="checkbox"/> Any other frequency (Please mention)
.6	Total no. of wheel barrows provided	100 handcarts
.7	Total capacity of wheel barrow (kg)	30 to 40 kg
.8	Type of broom provided	<input type="checkbox"/> Long handle (No.: 100) <input type="checkbox"/> Short handle (No.: 1000) <input type="checkbox"/> Ghamela, Phauda, Chawda per month
<ul style="list-style-type: none"> COLLECTION, STORAGE AND TRANSPORTATION 		
.1	Area covered for collection of MSW	75% of the city
.2	No. of households covered	50,000
.3	Is the collection carried out by municipal authority or private contractor or NGO?	Through NWMC

.4	Is the segregation is carried out at source?	No							
.5	Total quantity collected (MT/day)	130 to 140 MT							
.6	MSW collected in mixed form (MT/day)	Mixed Waste							
.7	Frequency of waste collection	<input type="checkbox"/> Once in 24 hours <input type="checkbox"/> Twice in 24 hours <input type="checkbox"/> Thrice in 24 hours <input type="checkbox"/> Alternate days <input type="checkbox"/> Any other frequency (Please mention)							
.8	Is waste collected every day <i>i.e.</i> 7 days a week and 365 days a year?	Yes							
.9	Total number, type, size, and capacity of storage bins / container / trailers provided	RCC bins : 530 – cap ¼ MT							
.10	Whether all bins are attended/cleaned daily? <i>(i.e.</i> 7 days a week and 365 days a year)	Yes							
.11	Whether the lifting of waste from the bins is manual or mechanical?	Manual / dumper placer with 10 containers							
.12	Vehicle details								
	Type	Total No.	Capacity (MT)	Daily required	At present available	Additional proposed			
	Dumper placer (with 2.5 m ³ containers)		1 MT		1 with 10 containers				
	Open truck		7 MT		1				
	Open truck with tipping		6 MT		1				
	Tractor-trailer with tipping		4 MT		8	4 hydraulic trolley-tractor			
	Tata Tempo/ Ghanta gadi		1 MT		6 + 2 = 8				
.13	Collection details								
	Type of vehicle	No. of vehicles used	No. of shifts	Capacity (MT)	No. of trips/ shift	Distance travelled / shift	Quantity of MSW carried / shift (MT)	Quantity of MSW carried out / day (MT)	No. of workers / vehicle
	Dumper	1		1 MT	5	8 kms	5 MT		

placer (1 with 10 containers)								
Open truck	1		7 MT	2	10 kms	14 MT		
Open truck with tipping	1		6 MT	2	8 kms	12 MT		
Tractor-trailer with tipping	8		4 MT	2 to 3	8 kms	64 MT		
Tata Tempo	6		3 MT	2	10 kms	36 MT		
Ghanta gadi	2		1 MT	2	8 kms	4 MT		
Total						135 MT		

• **COLLECTION SYSTEM**

.1	Approximate MSW collected (MT)	149 MT
	<input type="checkbox"/> Household (urban)	95 MT
	<input type="checkbox"/> Slums	15
	<input type="checkbox"/> Shops & commercial establishments	19
	<input type="checkbox"/> Markets	10
	<input type="checkbox"/> Hotels, restaurants, eating houses	5
	<input type="checkbox"/> Slaughter houses	4
	<input type="checkbox"/> Building sites (debris, earth, etc.)	1
.2	No. of premises / establishments	
	<input type="checkbox"/> Households	61,000
	<input type="checkbox"/> Shops, commercial establishments	71,119
	<input type="checkbox"/> Vegetable and fruit markets	3
	<input type="checkbox"/> Fish and meat markets	3
	<input type="checkbox"/> Hawkers	Officer hawker not arranged
.3	No. of hotels, restaurants, eating houses	966
	<input type="checkbox"/> No. of star hotels	3 Star – 2; 4 Star – 2
.4	Guesthouses	3
.5	Marriage halls	15
.6	Hostels	Approx 10
.7	Cinema halls	7

.8	Theatres	1
.9	Stables and no. of animals	14264
.10	Hospitals/ clinics/ nursing homes Total no. of beds	H-121; C-101; NH-48; no of beds : 1100
.11	Parks, gardens, recreation places like lakes, amusement parks	12 Nos
• PROCESSING AND DISPOSAL OF MSW		
.1	Technology / technologies adopted	
	<input type="checkbox"/> Composting (MT/day)	130 MT/D
	<input type="checkbox"/> Vermiculture (MT/day)	NIL
	<input type="checkbox"/> Pelletisation (MT/day)	NIL
	<input type="checkbox"/> Waste to energy (MT/day)	NIL
.2	Composting	
	Is it done mechanically?	No
	Is it the compost sold?	No
	If yes, the quantity sold (MT/year)	NIL
.3	Whether the following facilities are provided	
	• Weighbridge	No
	• Fencing	No
	• Lighting facility	No
	• Covering material used daily as per Rules 2000	No
	• Gas venting arrangement	Not available
	• Leachate collection system	Provision not made
• INSTITUTIONAL ARRANGEMENTS		
.1	SWM services provided in the city/town by	Nanded Waghala Municipal Corporation
.2	Total no. of Supervisory Staff provided (e.g. Health officer/ Assistant Health officer/ Chief Sanitary Inspector/ sanitary Inspector/ Sanitary Supervisors, etc.)	16
.3	Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, etc.	730
• PRIVATISATION		

.1	Whether any of the following service is privatised?	
	• Sweeping	No
	• Door-to-door collection	No
	• Transportation	No
	• Processing of MSW	No
	If no, whether any future plans for privatisation	No
• COST IMPLICATIONS IN SWM		
.1	Expenditure (in Rupees/Year)	
	• Total cost of SWM services under various heads	
	• Establishment including salaries, uniforms, etc	Rs. 31,97,308
	• Tools, equipment, and consumables including disinfectant	Rs. 3,00,000
	• Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, etc	Rs. 82,213
	• Other miscellaneous expenses	Rs. 6,81,580
.1	The above total cost in terms of following activities (Rupees/Year)	
	• Sweeping cost	Rs. 1,27,83,303
	• Collection cost	Rs. 9,86,556
	• Transportation cost	Rs. 38,40,000
	• Processing cost	Rs. 9,86,886
• OTHER FACILITIES		
.1	What facilities are provided for the following?	

• Biomedical waste	Waste disposal through municipal vehicle
• Diary related activities	Not applicable
• Slaughter house and unauthorised slaughtering	1 SL, 5 male labour, 2 Peon deputed for sanitation work
• Construction, demolition, debris and silt	Through Municipal Corporation
• Encroachments on footpaths, in parks	Not permitted
• How many slums have been identified and whether there are provided with sanitation facilities?	Yes (25) Two times a week
• Is there any enforcement wing for taking renal actions?	Through bill collector
Recovery of administrative charges	(sanitation charges)
Fines under Municipal/Police Act	No
Recourse to Municipal Act bye-laws	Through SI
• Whether any cases are registered and settled during last three years?	No
• SPECIAL/ UNIQUE SCHEMES OR INITIATIVES¹	
.1 Recycling schemes for plastic, PET bottles	No
.2 Encouraging community activity such as ALM ² formation	No
.3 Encouraging people's participation by building-wise or building complex-wise waste segregation and processing of organic waste by vermi-composting or composting	Yes
.4 Training needs for sanitary workers on health and safety issue	Yes
.5 Development of tools and implements	Yes
Place:	
Date:	Signature of the Municipal Commissioner / The Health Officer/ The Chief Engineer (SWM)
	Stamp

¹ Details of schemes can be provided on a separate sheet

² Advance Locality Management

Note: Please provide small note on the geographical and historical background of the city, tourist places, monuments, pilgrimage places, main industrial areas, industries, GNP, GDP, Airport, Airbase, main events and main people of national and international importance, *etc.*