

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

Name of City/Town:	SATARA	District:	SATARA
Name of Municipal Body:	SATARA Municipal Council	Division:	Pune
Address:	1, Kesarkar Peth, Satara	State:	Maharashtra
Telephone:		Fax:	
Email:		Website:	
<ul style="list-style-type: none"> • DEMOGRAPHY 			
.1	Name of Officer In-Charge	Chief Officer	
.2	Area of Municipal Corporation /Council (Please provide map showing legal limits of municipal body) (km ²)	8.17 sq. kms	
.3	No. of wards / zones	13 Wards as per Election Zones	
.4	Total population (as per 1991 census)	95116	
.5	Total population (as per 2001 census)	1,08,043	
.6	Population		
	<ul style="list-style-type: none"> • Urban • Slums 	80,043 28,000 (No detailed survey carried out)	
.1	Floating population	40,000 – Approximately	
.2	Total no. of household	20,972	
<ul style="list-style-type: none"> • GENERATION OF MUNICIPAL SOLID WASTE 			
.1	Total MSW generation (MT/day)	35 MT	
.2	MSW generation (gms/capita/day)	300 gm	
.3	Of the total MSW generated		
	<ul style="list-style-type: none"> • Quantity of domestic MSW (MT/day) • Quantity of commercial MSW (MT/day) • Quantity of industrial (non-toxic and non-hazardous) waste (MT/day) • Quantity of waste from markets (MT/day) • Quantity of waste from hotels and restaurants (MT/day) 	14 5.5 1.5 9 5	
<ul style="list-style-type: none"> • SWEEPING 			
.1	Total length of roads (with or without footpath) (km)	77.47 Kms	

	• Total length of asphalted roads (km)	46.47 kms
	• Total length of Kutchha roads (km)	31 kms
.1	Total no. of sweepers employed	97
.2	Working hours of sweepers	7 hours
.3	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 1000 population
.4	Sweeping carried out at a location by	<input type="checkbox"/> One sweeper <input type="checkbox"/> Two sweepers <input type="checkbox"/> Three or more sweepers
.5	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
.6	Frequency of sweeping	<input type="checkbox"/> All seven days a week - 38 Kms <input type="checkbox"/> Six days in a week - 8.47 kms <input type="checkbox"/> Alternate days - 31 kms <input type="checkbox"/> Any other frequency (Please mention)
.7	Total no. of wheel barrows provided	NO
.8	Total capacity of wheel barrow (kg)	Kgs
	• COLLECTION, STORAGE AND TRANSPORTATION	
.1	Area covered for collection of MSW	8.17 sq. km
.2	No. of households covered	20972 [Information from property register]
.3	No. of households covered under door-to-door collection (bell ringing)	500
.4	Is the collection is carried out by municipal authority or private contractor or NGO?	Municipal/Tender agency
.5	Is the segregation is carried out at source?	No
.6	Total quantity collected (MT/day)	21 MT
.7	MSW collected in mixed form (MT/day)	Mixed
.8	Whether all bins are attended/cleaned daily?	No

(i.e. 7 days a week and 365 days a year)

.9 Whether the lifting of waste from the bins is manual or mechanical? **MANUAL**

.10 Vehicle details

Type	Total No.	Capacity (MT)	Daily required	At present available	Additional proposed
Tractor-trailer without tipping		2.5 MT	1	2	
TEMPO-Tipper		2 MT	1	1	

.11 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
Tractor-trailer without tipping	2		2.5 MT	6	6.5 Km	6		
Any other type								
TEMPO – TIPPER	1		2 MT	3	6.5 Km	6		

• **COLLECTION SYSTEM**

.1	Approximate MSW collected (MT)	35 MT
	<input type="checkbox"/> Household (urban)	4 MT
	<input type="checkbox"/> Slums	2.5 MT
	<input type="checkbox"/> Street sweeping	4 MT
	<input type="checkbox"/> Shops & commercial establishments	3 MT
	<input type="checkbox"/> Markets	4 MT
	<input type="checkbox"/> Hotels, restaurants, eating houses	3 MT
	<input type="checkbox"/> Gardens, parks, fairs	0.5
	<input type="checkbox"/> Slaughter houses	
	<input type="checkbox"/> Building sites (debris, earth, etc.)	

.2 No. of premises / establishments

	<input type="checkbox"/> Households	20972
	<input type="checkbox"/> Shops, commercial establishments	14879
	<input type="checkbox"/> Slums, households, population	2116
	<input type="checkbox"/> Vegetable and fruit markets	5
	<input type="checkbox"/> Fish and meat markets	2
	<input type="checkbox"/> Hawkers	403
.3	No. of hotels, restaurants, eating houses	172
.4	Guesthouses	1
.5	Marriage halls	13
.6	Hostels	7
.7	Cinema halls	6
.8	Theatres	1
.9	Stables and no. of animals	29 Stables; 207 Animals
.10	Hospitals/ clinics/ nursing homes	1 Hospital; 20 Beds
	Total no. of beds	
.11	Parks, gardens, recreation places like lakes, amusement parks	6 Gardens
.12	Slaughter houses	1
	• PROCESSING AND DISPOSAL OF MSW	
.1	Technology / technologies adopted	
	<input type="checkbox"/> Composting (MT/day)	NIL
	<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	NIL
	Compost produced (MT/year)	
	Is it done mechanically?	NIL
	Is it the compost sold?	NIL
	If yes, the quantity sold (MT/year)	
	• Total revenue generated (Rupees/year)	NIL
.1	Whether the following facilities are provided	

• Weighbridge	No
• Fencing	No
• Lighting facility	No
• Managerial staff and manpower	-----
• Covering material used daily as per Rules 2000	No
Is it available in sufficient quantity?	No
• Gas venting arrangement	Not Available
• Leachate collection system	Provision not made
• INSTITUTIONAL ARRANGEMENTS	
.1 SWM services provided in the city/town by	Chief Officer
.2 Total no. of Supervisory Staff provided (e.g. Health officer/ Assistant Health officer/ Chief Sanitary Inspector/ sanitary Inspector/ Sanitary Supervisors, etc.)	1 + 3 + 6
.3 Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, etc.	118
• PRIVATISATION	
.1 Whether any of the following service is privatised?	
• Sweeping	No
• Door-to-door collection	Yes
• Transportation	Yes
• Processing of MSW	No
If no, whether any future plans for privatisation	No
• Details of NGO/ CBO/ Residential groups involved in any schemes/ projects initiated by municipal body in SWM/ clean city program	No
• COST IMPLICATIONS IN SWM	
.1 Expenditure (in Rupees/Year)	

	• Total cost of SWM services under various heads	
	• Establishment including salaries, uniforms, <i>etc</i>	Rs. 58,09,112
	• Tools, equipment, and consumables including disinfectant	Rs. 47,014
	• Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, <i>etc</i>	Rs. 2,57,000
	• Hiring charges for contractors' vehicle & machinery, bulldozers, JCBs, <i>etc</i>	Rs. 3,50,000
	• Other miscellaneous expenses	Rs. 1,02,000
.1	The above total cost in terms of following activities (Rupees/Year)	
	• Sweeping cost	Rs. 47,65,340
	• Collection cost	Rs. 10,14,300
	• Transportation cost	Rs. 2,57,000
	• Processing cost	NIL
	• Disposal / sanitary landfill cost	Rs. 1,02,000
.1	Cost recovery	
	• Tipping fee or trade refuse charges (Rupees/Year)	NIL
	• Revenue generation (by sale of compost, vermi-compost, energy/ gas, <i>etc.</i> (Rupees/Year)	NIL
	• Annual expenditure for SWM services	Rs. 63,86,640
	Cost of SWM services in Rupees per capita per year	Rs. 63.20
	Cost of SWM services in Rupees per tonne of MSW	Rs. 482
	• OTHER FACILITIES	
.1	What facilities are provided for the following?	

• Biomedical waste	Masks, Gloves, Gumboots, Spades, Steel Baskets
• Diary related activities	}
• Slaughter house and unauthorised slaughtering	} } Masks, Gloves, Gumboots, Spades, Steel Baskets
• Construction, demolition, debris and silt	}
• Encroachments on footpaths, in parks	}
• How many slums have been identified and whether there are provided with sanitation facilities?	Data not available
• Is there any enforcement wing for taking renal actions?	No
Recovery of administrative charges	
Fines under Municipal/Police Act	
Recourse to Municipal Act bye-laws	
• Whether any cases are registered and settled during last three years?	No
No. of cases registered during last three years	
No. of cases settled during last three years	
Total recovery during last three years	
• 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	No
.4 Training needs for sanitary workers on health and safety issue	Yes
.5 Development of tools and implements	Yes
• AWARENESS	
.1 Are you aware of the various notifications of the Ministry of Environment and Forests,	

¹ Details of schemes can be provided on a separate sheet

² Advance Locality Management

Government of India

- Municipal Solid Waste (Management and Handling) Rules, 2000 Yes
- Recycled Plastics Manufacture and Usage Rules, 1999 Yes
- Biomedical Waste (Management and Handling) Rules, 1998 Yes

Place:

Date:

Signature of the Municipal Commissioner /
The Health Officer/ The Chief Engineer (SWM)

Stamp

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.*