

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

Name of City/Town:	Sangli Miraj and Kupwad	District:	Sangli
Name of Municipal Body:	Sangli Miraj and Kupwad Municipal Corporation	Division:	Pune
Address:		State:	Maharashtra
Telephone:	373722	Fax:	323907
Email:		Website:	
<ul style="list-style-type: none"> • DEMOGRAPHY 			
.1	Name of Officer In-Charge	Shri G. H. Ghate, Dy. Commissioner	
.2	Area of Municipal Corporation /Council (Please provide map showing legal limits of municipal body) (km ²)	118.18 sq. kms	
.3	No. of wards / zones	68 + Wanlesswadi	
.4	Total population (as per 1991 census)	3,51,917	
.5	Total population (as per 2001 census)	4,36,639	
.6	Population		
	<ul style="list-style-type: none"> • Urban • Slums 	<ul style="list-style-type: none"> 3,63,889 52,750 	
.1	Floating population	20,000	
.2	Total no. of household	68,441	
<ul style="list-style-type: none"> • GENERATION OF MUNICIPAL SOLID WASTE 			
.1	Total MSW generation (MT/day)	160 MT	
.2	MSW generation (gms/capita/day)	210 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 waste from markets (MT/day) • Quantity of waste from hotels and restaurants (MT/day) 	<ul style="list-style-type: none"> 92 40 24 4 	
<ul style="list-style-type: none"> • SWEEPING 			
	<ul style="list-style-type: none"> • Total length of cement-concrete roads (km) • Total length of asphalted roads (km) • Total length of Kutchha roads (km) 	<ul style="list-style-type: none"> NIL – running Kms 257.73 running kms 53.30 running kms 	
.1	Total no. of sweepers employed	287	

.2	Working hours of sweepers	8 hours (6 AM to 10 AM & 2 PM to 6 PM)				
.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 5000 sq.m area				
.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	Total no. of wheel barrows provided	335				
.6	Total no. of containerised handcarts provided	25 Kgs				
• COLLECTION, STORAGE AND TRANSPORTATION						
.1	Area covered for collection of MSW	100 sq. km				
.2	No. of households covered	60,000 Approx.				
.3	No. of households covered under door-to-door collection (bell ringing)	90 sq. km				
.4	Is the collection carried out by municipal authority or private contractor or NGO?	By the Corporation				
.5	Is the segregation is carried out at source?	Partially segregated				
.6	MSW collected in segregated form (MT/day)	Partially segregated Waste				
.7	Whether all bins are attended/cleaned daily? (i.e. 7 days a week and 365 days a year)	No				
.8	Whether the lifting of waste from the bins is manual or mechanical?	Manual				
.9	Vehicle details					
	Type	Total No.	Capacity (MT)	Daily required	At present available	Additional proposed
	Dumper placer (with 2.5 m ³ containers)					15 Nos / 5 Nos
	Open truck		3 MT		14 + 4 (Hired)	
	Tractor-trailer without tipping		2 MT		2	

.10 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
Open truck	14 + 4 (Hired)		3 MT	14 Vehicles : 3 trips	60 Km/ vehicle	150 MT		
				4 Vehicles : 2 Trips				
Tractor-trailer with tipping	2		2 MT	2	55 Km/ vehicle	10 MT		
<ul style="list-style-type: none"> COLLECTION SYSTEM 								
.1	Approximate MSW collected (MT)				160 MT			
	<input type="checkbox"/>	Household (urban)			80 MT			
	<input type="checkbox"/>	Slums			12 MT			
	<input type="checkbox"/>	Street sweeping			10 MT			
	<input type="checkbox"/>	Shops & commercial establishments			30 MT			
	<input type="checkbox"/>	Markets			24 MT			
	<input type="checkbox"/>	Hotels, restaurants, eating houses			4 MT			
	<input type="checkbox"/>	Gardens, parks, fairs						
	<input type="checkbox"/>	Slaughter houses			3 MT			
	<input type="checkbox"/>	Building sites (debris, earth, etc.)						
.2	No. of premises / establishments							
	<input type="checkbox"/>	Households			68441			
	<input type="checkbox"/>	Shops, commercial establishments			9983			
	<input type="checkbox"/>	Slums, households, population			99 / 52750			
	<input type="checkbox"/>	Vegetable and fruit markets			5			
	<input type="checkbox"/>	Fish and meat markets			3			
	<input type="checkbox"/>	Hawkers			1886			
.3	No. of hotels, restaurants, eating houses				290			
	<input type="checkbox"/>	Grade / class I						

	<input type="checkbox"/> Grade / class II	
	<input type="checkbox"/> Grade / class III	290
	<input type="checkbox"/> No. of star hotels	
.4	Guesthouses	32
.5	Marriage halls	48
.6	Hostels	14
.7	Cinema halls	1
.8	Theatres	15
.9	Stables and no. of animals	97718
.10	Hospitals/ clinics/ nursing homes	447 Beds - 3893
	Total no. of beds	
.11	Parks, gardens, recreation places like lakes, amusement parks	28
.12	Building sites (under construction)	1110
.13	Slaughter houses	1
	• PROCESSING AND DISPOSAL OF MSW	
.1	Technology / technologies adopted	
	<input type="checkbox"/> Composting (MT/day)	160 MT
.2	Composting	
	Is it done mechanically?	No
	Is it the compost sold?	Yes
	If yes, the quantity sold (MT/year)	Rs. 2,35,370 as per 2000 – 01
		Actual
	• No. of dumping grounds/ landfill sites	One site used – area 13 Acre Approx.
		Proposed sites – TWO
.1	Whether the following facilities are provided	
	• Weighbridge	No
	• Fencing	No
	• Lighting facility	No
	• Managerial staff and manpower	4 Persons
	• Covering material used daily as per Rules 2000	Building waste, gutter silt is used for covering
	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	Corporation
.2	Total no. of Supervisory Staff provided (e.g. Health officer/ Assistant Health officer/ Chief Sanitary Inspector/ sanitary Inspector/ Sanitary Supervisors, etc.)	46
.3	Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, etc.	747
•	PRIVATISATION	
.1	Whether any of the following service is privatised?	
•	Sweeping	No
•	Door-to-door collection	Partially
•	Transportation	Partially
•	Processing of MSW	No
	If yes, provide details	Collection – Agency appointed for supply of ring hand carts workers to supply 198 workers on Rs. 88 per day basis. Transport – 4 Trucks are hired daily wage basis Rs. 1450 per day for 3 trips.
	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, etc	Rs. 2,45,02,951
•	Tools, equipment, and consumables including disinfectant	Rs. 24,74,785
•	Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, etc	Rs. 26,66,336
•	Hiring charges for contractors' vehicle & machinery, bulldozers, JCBs, etc	Rs. 41,93,447
.1	The above total cost in terms of following activities (Rupees/Year)	

•	Sweeping cost	}
•	Collection cost	} Rs. 3,39,37,519
•	Transportation cost	}
.1	Cost recovery	
•	Tipping fee or trade refuse charges (Rupees/Year)	No
•	Revenue generation (by sale of compost, vermi-compost, energy/ gas, etc. (Rupees/Year)	Rs. 2,35,370 as per 2000 – 01 Actual
•	Annual expenditure for SWM services	Rs. 3,39,37,519
	Cost of SWM services in Rupees per capita per year	Rs. 78
	Cost of SWM services in Rupees per tonne of MSW	Rs. 245
•	OTHER FACILITIES	
.1	What facilities are provided for the following?	
•	Biomedical waste	Common Incineration Plant
•	Slaughter house and unauthorised slaughtering	Corporation has ONE Slaughter house for small and Big Animals
•	Construction, demolition, debris and silt	Corporation has separate vehicles and workers for lifting Malba. It is used for Landfilling.
•	How many slums have been identified and whether there are provided with sanitation facilities?	99 slums are identified, provided with sanitation facilities like sweeping of roads, ringing handcarts, community dustbins, latrines, Toilets and Water Stand Posts
	Recovery of administrative charges	Yes
	Fines under Municipal/Police Act	Yes
•	Whether any cases are registered and settled during last three years?	
	No. of cases registered during last three years	2000-01:840; 2001-02:755
	No. of cases settled during last three years	
	Total recovery during last three years	2000-01: Rs. 70740 2001-02: Rs. 63284
•	SPECIAL/ UNIQUE SCHEMES OR INITIATIVES¹	

¹ Details of schemes can be provided on a separate sheet

.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	No
.5	Development of tools and implements	No
•	AWARENESS	
.1	Are you aware of the various notifications of the Ministry of Environment and Forests, 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.