

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

Name of City/Town:	AMRITSAR	District:	AMRITSAR
Name of Municipal Body:	Municipal Corporation Amritsar	Division:	
Address:	Municipal Corporation Amritsar	State:	Punjab
Telephone:	535969,545155	Fax:	
Email:		Website:	
• DEMOGRAPHY			
.1	Name of Officer In-Charge		
.2	Area of Municipal Corporation /Council (Please provide map showing legal limits of municipal body) (km ²)	495 sq km	
.3	No. of wards / zones	60 wards	
.4	Total population (as per 1991 census)	7,08,835	
.5	Total population (as per 2001 census)	10,11,327	
.6	Population	9,75,000	
.7	Floating population	No Information	
.8	Total no. of household	No Information	
.9	Average maximum & minimum temperature (°C), yearly maximum rainfall (mm), maximum & minimum humidity	No Information	

- **GENERATION OF MUNICIPAL SOLID WASTE**

.1	Total MSW generation (MT/day)	450 MT/day
.2	MSW generation (gms/capita/day)	No Information
.3	Of the total MSW generated	No Information

(domestic, commercial, industrial, from markets, hotels and restaurants) MT/day

.4 Composition of MSW

Physical characteristics

○ Biodegradables	65.02
○ Recyclables (%)	13.94

Chemical characteristics

○ C/N ratio	30.69
○ High Calorific Value (Kcal/kg)	1836
○ Moisture (%)	61

- **SWEEPING**

.1	Total length of roads (with or without footpath) (km)	495.20 km
	• Total length of cement-concrete roads (km)	7.6 km
	• Total length of asphalted roads (km)	431.45 km
	• Total length of Kutchha roads (km)	Non motorable 40.75 km and motarable 48 km
.1	Total no. of sweepers employed	1508 present
	• Departmental	1696
	• Contracted	240 mohalla sudhar committee
.1	Working hours of sweepers	8 Hours 6.00AM to 2.00PM
.2	Norms of sweeping (e.g. one sweeper per ... population, or one sweeper per ... sq. m. area, or one sweeper per ... RMT road)	1 km area per one sweeper
.3	Sweeping carried out at a location by	○ One sweeper
.4	Sweeping waste is put in a...	○ Open dump
.5	Frequency of sweeping	○ Six days in a week
.6	Total no. of wheel barrows provided	100 approximately
.7	Total no. of containerised handcarts provided	60 kg - 100 kg

.8	Total capacity of wheel barrow (kg)	No Information
.9	No. of containers and its capacity in kg	No Information
.10	Type of broom provided	<input type="radio"/> Long handle (No.:) <input type="radio"/> Short handle (No.:)
.11	Any other equipment provided (e.g. spade, shovel, tikow)	No Information
.12	Protective gear provided (e.g. leather hand gloves, gumboots, mask)	No
<p>• COLLECTION, STORAGE AND TRANSPORTATION</p>		
.1	Area covered for collection of MSW	Yes
.2	No. of households covered	No Information
.3	No. of households covered under door-to-door collection (bell ringing)	No Information
.4	Is the collection carried out by municipal authority or private contractor or NGO?	Mohalla Sudhar Committee
.5	Is the segregation is carried out at source?	Yes/No
.6	Total quantity collected (MT/day)	450 MT/day
.7	MSW collected in mixed form (MT/day)	Yes... 450 MT/day
.8	MSW collected in segregated form (MT/day)	No Information
.9	Whether littering is prohibited by the municipality?	No
.10	Whether litterbins are provided?	Yes/No
.11	Frequency of waste collection	<input type="radio"/> Once in 24 hours
.12	Is waste collected every day <i>i.e.</i> 7 days a week and 365 days a year?	No
	If no, give details	Waste collection 6 days a week, Sunday being a holiday.
.13	Total number, type, size, and capacity of storage bins / container / trailers provided	Total 180 yellow bins, capacity: 3.5 Tonnes Total 18 Big yellow bins, capacity: 10 Tonnes
.14	Whether the bins are open or closed?	No Information
.15	Whether all bins are attended/cleaned daily? <i>(i.e.</i> 7 days a week and 365 days a year)	No.
	If no, mention details	6 days a week
.16	Whether the lifting of waste from the bins is manual or mechanical?	Mechanical

.17 Vehicle details					
Type	Total No.	Capacity (MT)	Daily required	At present available	Additional proposed
Compactor (mobile)	-				
Dumper placer (with 2.5 m ³ containers)	6	3.5	6 days a week	6	
Dumper placer (with 4.5 m ³ / 7 m ³ containers)	3	4.5	6 days a week	3	
Open truck					
Open truck with tipping					
Tractor-trailer with tipping	56	1.5	6 days a week	56	
Tractor-trailer without tipping	-				
Auto rickshaw with or without tipping					
Tricycle with or without tipping	50 + 250	250 kg	6 days a week	300	
Any other type (please mention)					
Ditch	1				
Loader	1				

.18 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
Compactor (mobile)								
Dumper placer (with 2.5 m ³ containers)	6	1	3.5	4	4 –5 km per trip	3.5		1 + 1
Dumper placer (with 4.5 m ³ / 7 m ³ containers)	3	1	4.5	4	4 –5 km per trip	4.5		1 + 1
Open truck								
Open truck with tipping								
Tractor-trailer with tipping	56	1	1.5	4 – 6	4 km per trip	1.5		1 + 4
Tractor-trailer without tipping								
Auto rickshaw with/ without tipping								
Tricycle with/without tipping	50 + 250	1	250 – 350 kg	1	1 km per trip	250 kg		1
Any other type								

Total

.19 If the vehicles are open to atmosphere, are they covered with temporary plastic sheet? Yes

• **COLLECTION SYSTEM**

.1	Approximate MSW collected (MT)	No Information
.2	No. of premises / establishments	No Information
.3	No. of hotels, restaurants, eating houses	No Information
.4	Guesthouses	Approx. 400
.5	Marriage halls	Approx. 150
.6	Cinema halls	15
.7	Theatres	2
.8	Hospitals/ clinics/ nursing homes Total no. of beds	65 nursing home
.9	Parks, gardens, recreation places like lakes, amusement parks	10 – 15 gardens, 3 lakes
.10	Building sites (under construction)	No Information
.11	Slaughter houses	1
•	PROCESSING AND DISPOSAL OF MSW	
.1	Total quantity of MSW processed (MT/day)	No Information
.2	Technology / technologies adopted	No
.3	Compost produced (MT / year)	No Information
	Vermi-compost produced (MT/day)	No Information
	Pellets produced (MT/day)	No Information
•	Energy produced (MW/MT/day)	No Information
.1	Dumping grounds/landfill sites	
•	MSW disposed off by open dumping (MT/day) [mixed/inert]	450 MT/day in mixed form
•	MSW disposed off by controlled dumping (MT/day) [mixed/inert]	No Information
•	MSW disposed off by sanitary landfill (MT/day) [mixed/inert]	No Information
•	No. of dumping grounds/ landfill sites	2 Landfill Sites
	Whether municipality legally owns them?	Yes

	• Area of each dumping ground/ landfill site	5 – 10 hectares
	• Whether the area will be sufficient for next 25 years	No
	• If no, then what steps have been taken to acquire land?	No Information
	• Distance (in km) of dumping ground / landfill site from ...	
	○ Habitation	No Information
	○ Drinking water source	1 km
	○ Religious or monument places	4 km
	• Distance from airport or airbase	More than 20 km
	• Has it been designed scientifically	No
	• Has the existing dumping ground been upgraded as required by MSW Rules, 2000	Yes
	If no, what steps have been taken (provide details)	
.1	Whether the following facilities are provided	
	• Weighbridge	Yes
	• Fencing	Yes/No
	• Approach roads/ internal roads	Yes
	• Lighting facility	Yes
	• Site office with monitoring equipment	Yes
	• Managerial staff and manpower	Yes
	• Covering material used daily as per Rules 2000	No...only 6 days a week
	Is it available in sufficient quantity?	No
	• Gas venting arrangement	No
	• Leachate collection system	Yes
	• INSTITUTIONAL ARRANGEMENTS	
.1	SWM services provided in the city/town by	Municipality/ Private contractor/ NGO
.2	Total no. of Supervisory Staff provided (e.g. Health officer/ Assistant Health officer/ Chief Sanitary Inspector/ sanitary Inspector/ Sanitary Supervisors, etc.)	2 Health Officer 7 Chief Sanitary Inspectors 22 Sanitary Inspectors
.3	Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, etc.	1696 Sweepers 56 Sanitary JAmadars 6 Naib Daroga

.4	Organisational structure	(Furnish separate sheet)
	PRIVATISATION	
.1	Whether any of the following service is privatised?	
	• Sweeping	Yes
	• Door-to-door collection	Yes
	• Community collection	Yes/No
	• Transportation	No... only 250 tricycle
	• Processing of MSW	No
	• Sanitary landfilling	Yes
	If yes, provide details	
	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	Mohalla Sudhar Committee
	COST IMPLICATIONS IN SWM	
.1	Expenditure (in Rupees/Year)	
	• Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, etc	Approx. Rs. 60,000 – 70,000 per month
	• Hiring charges for contractors' vehicle & machinery, bulldozers, JCBs, etc	No Information
	• Other miscellaneous expenses	No Information
.1	The above total cost in terms of following activities (Rupees/Year)	
	• Sweeping cost, Collection cost, Transportation cost, Processing cost, Disposal / sanitary landfill cost	No Information
.1	Cost recovery	No
	• Tipping fee or trade refuse charges (Rupees/Year)	No Information
	• Revenue generation (by sale of compost, vermi-compost, energy/ gas, etc. (Rupees/Year)	No Information
	• Annual expenditure for SWM services	No Information
	OTHER FACILITIES	
.1	What facilities are provided for the following?	

• Biomedical waste, Diary related activities, Slaughter house and unauthorised slaughtering, Construction, demolition, debris and silt, Encroachments on footpaths, in parks	No Information
• How many slums have been identified and whether there are provided with sanitation facilities?	No Information
• Is there any enforcement wing for taking renal actions?	Yes
Recovery of administrative charges	Yes
Fines under Municipal/Police Act	Yes... under Municipal Act 1976
• Whether any cases are registered and settled during last three years?	Yes/No
Total recovery during last three years	No Information
• SPECIAL/ UNIQUE SCHEMES OR INITIATIVES¹	
.1 Recycling schemes for plastic, PET bottles	No
.2 Encouraging community activity such as ALM ² formation	Yes/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	Yes
.6 Please provide list of potential NGO for implementing any of the initiatives (any association registered with municipal body/ unregistered local area management)	Mohalla Sudhar Committee
• AWARENESS	
.1 Are you aware of the various notifications of the Ministry of Environment and Forests, Government of India	Yes

¹ Details of schemes can be provided on a separate sheet

2 Advance Locality Management

- Municipal Solid Waste (Management and Handling) Rules, 2000 Yes
- Recycled Plastics Manufacture and Usage Rules, 1999 No Information
- Biomedical Waste (Management and Handling) Rules, 1998 Yes
- Coastal Regulatory Zones Rules, 1991 (amended up to 2002) No Information

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.*