

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

Name of City/Town:	PIMPRI CHINCHWAD	District:	PUNE
Name of Municipal Body:	PIMPRI CHINCHWAD MUNICIPAL CORPORATION	Division:	Pune
Address:	Mumbai Pune Rasta, Pimpri – 411 018	State:	Maharashtra
Telephone:	747 7777	Fax:	747 9999
Email:		Website:	
<b>• DEMOGRAPHY</b>			
.1	Name of Officer In-Charge	Additional Commissioner	
.2	Area of Municipal Corporation /Council (Please provide map showing legal limits of municipal body) (km <sup>2</sup> )	171 sq. kms	
.3	No. of wards / zones	35	
.4	Total population (as per 1991 census)	5,17,083	
.5	Total population (as per 2001 census)	10,06,453	
.6	Population		
	• Urban	8,81,400	
	• Slums	1,25,000	
.1	Floating population	1,00,000	
.2	Total no. of household	1,48,897	
<b>• GENERATION OF MUNICIPAL SOLID WASTE</b>			
.1	Total MSW generation (MT/day)	310 MT	
.2	MSW generation (gms/capita/day)	300 gm	
.3	Of the total MSW generated		
	• Quantity of domestic MSW (MT/day)	270	
	• Quantity of commercial MSW (MT/day)	15	
	• Quantity of industrial (non-toxic and non- hazardous) waste (MT/day)	10	
	• Quantity of waste from markets (MT/day)	10	
	• Quantity of waste from hotels and restaurants (MT/day)	5	
.1	Composition of MSW (Attach separate sheet)		

<ul style="list-style-type: none"> <li>Physical characteristics</li> </ul>					
<input type="checkbox"/> Biodegradable (%)					
<input type="checkbox"/> Paper (%)		10			
<input type="checkbox"/> Plastic (%)		15			
<input type="checkbox"/> Glass (%)		03			
<input type="checkbox"/> Metal (%)		---			
<input type="checkbox"/> Inert, ash, debris (%)		40			
<ul style="list-style-type: none"> <li><b>COLLECTION, STORAGE AND TRANSPORTATION</b></li> </ul>					
.1	Area covered for collection of MSW	171 sq. km			
.2	No. of households covered	1,25,000			
.3	No. of households covered under door-to-door collection (bell ringing)	75 %			
.4	Is the collection carried out by municipal authority or private contractor or NGO?	By Municipal Corporation & Private agency			
.5	Is the segregation is carried out at source?	Partially segregated			
.6	MSW collected in segregated form (MT/day)	Segregated as well as mixed			
.7	Whether littering is prohibited by the municipality?	Yes			
.8	Whether litterbins are provided?	275 323			
.9	Whether all bins are attended/cleaned daily? (i.e. 7 days a week and 365 days a year)	Yes			
.10	Whether the lifting of waste from the bins is manual or mechanical?	Manually as well as Mechanically			
.11	Vehicle details				
Type	Total No.	Capacity (MT)	Daily required	At present available	Additional proposed
Compactor (mobile)		5		5	N/A
Dumper placer (with 2.5 m <sup>3</sup> containers)		2		18	
Open truck		4		5	
TATA – 709		3		7	
TATA – 608		3		8	
TATA – 407		2		3	

MINICOMPACTOR		3		3	
DUAL D PLACER		2		2	
MINI D PLACER		1.5		2	
TOTAL		25.5		53	

.12 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)	5		5	1	25 to 30 km average	25		
Open truck	5		4	2		40		
TATA – 709	7		3	2		42		
TATA - 608	8		3	2		48		
TATA - 407	4		2	2		16		
Dumper – Placer	18		2	4		144		
MINI COMPACTOR	4		3	2		24		
DUAL D PLACER	2		2	1		4		
MINI D PLACER	2		1.5	2		6		
<b>Total</b>						349		

• **PROCESSING AND DISPOSAL OF MSW**

.1	Technology / technologies adopted	
<input type="checkbox"/>	Composting (MT/day)	250 MT composting on landfill site by spraying EM solution
<input type="checkbox"/>	Vermiculture (MT/day)	20 MT
<input type="checkbox"/>	Waste to energy (MT/day)	Proposal finalized on BOO basis
.2	Composting	

Is it done mechanically?	Yes – By EM Method
Is it the compost sold?	No
.3 Dumping grounds/landfill sites	300 TPD
• No. of dumping grounds/ landfill sites	One, 25 Acres Approx.
.1 Whether the following facilities are provided	
• Weighbridge	Private weigh bridge used
• Fencing	Yes
• Lighting facility	Yes
• Managerial staff and manpower	12
• Covering material used daily as per Rules 2000	Yes
• Gas venting arrangement	Not available
• Leachate collection system	Provision not made
• <b>INSTITUTIONAL ARRANGEMENTS</b>	
.1 SWM services provided in the city/town by	Additional Commissioner
.2 Total no. of Supervisory Staff provided (e.g. Health officer/ Assistant Health officer/ Chief Sanitary Inspector/ sanitary Inspector/ Sanitary Supervisors, etc.)	109
.3 Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, etc.	1656
• <b>PRIVATISATION</b>	
.1 Whether any of the following service is privatised?	
• Sweeping	Yes, partly
• Door-to-door collection	Yes, partly
• Transportation	Yes, partly
• Processing of MSW	Yes, Vermicomposting
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	Ekta Sankritic munch involved in collection, segregation & processing the garbage, that produced in ward no. 1.
• <b>COST IMPLICATIONS IN SWM</b>	
.1 Expenditure (in Rupees/Year)	

	<ul style="list-style-type: none"> <li>Total cost of SWM services under various heads</li> </ul>	
	<ul style="list-style-type: none"> <li>Establishment including salaries, uniforms, etc</li> </ul>	Rs. 16,40,12,285
	<ul style="list-style-type: none"> <li>Tools, equipment, and consumables including disinfectant</li> </ul>	Rs. 69,57,291
	<ul style="list-style-type: none"> <li>Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, etc</li> </ul>	Rs. 25,05,359
	<ul style="list-style-type: none"> <li>Hiring charges for contractors' vehicle &amp; machinery, bulldozers, JCBs, etc</li> </ul>	Rs. 1,42,14,651 + 18,00,000 (on landfill) = 1,60,14,651
	<ul style="list-style-type: none"> <li>Other miscellaneous expenses</li> </ul>	Rs. 2,10,98,199
.1	The above total cost in terms of following activities (Rupees/Year)	
	<ul style="list-style-type: none"> <li>Sweeping cost</li> </ul>	Rs. 12,17,65,890
	<ul style="list-style-type: none"> <li>Collection cost</li> </ul>	Rs. 2,10,98,199
	<ul style="list-style-type: none"> <li>Transportation cost</li> </ul>	Rs. 6,51,85,486
	<ul style="list-style-type: none"> <li>Processing cost</li> </ul>	Rs. 18,00,000
	<ul style="list-style-type: none"> <li>Disposal / sanitary landfill cost</li> </ul>	Rs. 7,38,210
.1	Cost recovery	
	<ul style="list-style-type: none"> <li>Tipping fee or trade refuse charges (Rupees/Year)</li> </ul>	NIL
	<ul style="list-style-type: none"> <li>Revenue generation (by sale of compost, vermi-compost, energy/ gas, etc. (Rupees/Year)</li> </ul>	NIL
	<ul style="list-style-type: none"> <li>Annual expenditure for SWM services</li> </ul>	Rs. 2105 lacs
	Cost of SWM services in Rupees per capita per year	Rs. 209.23
	Cost of SWM services in Rupees per tonne of MSW	Rs. 1860
	<ul style="list-style-type: none"> <li><b>OTHER FACILITIES</b></li> </ul>	
.1	What facilities are provided for the following?	

• Biomedical waste	Collection & Incineration provided
• Slaughter house and unauthorised slaughtering	Collected & sent for processing
• Construction, demolition, debris and silt	Collected & disposed off
• How many slums have been identified and whether there are provided with sanitation facilities?	75, sanitation facility provided in slum area
• Is there any enforcement wing for taking renal actions?	Yes
Recovery of administrative charges	Yes
Fines under Municipal/Police Act	Rs. 6,54,685
Recourse to Municipal Act bye-laws	2981
• Whether any cases are registered and settled during last three years?	Yes
No. of cases registered during last three years	84
No. of cases settled during last three years	36
Total recovery during last three years	Rs. 3130
• <b>SPECIAL/ UNIQUE SCHEMES OR INITIATIVES<sup>1</sup></b>	
.1 Recycling schemes for plastic, PET bottles	Yes
.2 Encouraging community activity such as ALM <sup>2</sup> formation	Yes
.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
• <b>AWARENESS</b>	
.1 Are you aware of the various notifications of the Ministry of Environment and Forests, Government of India	

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<sup>1</sup> Details of schemes can be provided on a separate sheet

2 Advance Locality Management

<ul style="list-style-type: none"> <li>• Municipal Solid Waste (Management and Handling) Rules, 2000</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Recycled Plastics Manufacture and Usage Rules, 1999</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Biomedical Waste (Management and Handling) Rules, 1998</li> </ul>	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.*