Name	of City/Town:	Nashik		District:	Nashik	
Name of Municipal Body:		Nashik, Municipal Corporation		Division:	Nashik	
Addres	SS:	Rajiv Gandhi Bhavan, Sh Road, Nashik 422 022	Rajiv Gandhi Bhavan, Sharanpur Road, Nashik 422 022		Maharashtra	
Teleph	none:	578206	578206		577936	
Email:				Website:		
•	DEMOGRAPHY					
.1	Name of Officer In-	Charge	Medi	cal officer of H	lealth	
.2	(Please provide ma	Area of Municipal Corporation /Council (Please provide map showing legal limits of municipal body) (km ²)		269 sq. kms		
.3	No. of wards / zone	S	6 zones, 36 wards			
.4	Total population (as	s per 1991 census)	6,56,925			
.5	Total population (as	s per 2001 census)	10,64,000			
.6	Population					
•	Urban					
•	Slums		2,00,	00		
.1	Floating population		100,0	000		
.2	Total no. of househ	old	2,30,	000		
.3	Average maximum	temperature (ºC)	-			
.4	Average minimum t	emperature (ºC)	-			
.5	Average yearly max	kimum rainfall (mm)	-			
.6	Average maximum	humidity	-			
.7	Average minimum h	numidity	-			
.8	Average depth of w	ater table	-			
.9	Altitude (<i>i.e.</i> mean s	sea level)	-			

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

•	GENERATION OF MUNICIPAL SOLID WASTE	
.1	Total MSW generation (MT/day)	230 MT
.2	MSW generation (gms/capita/day) per person	230 gm
.3	Of the total MSW generated	
•	Quantity of domestic MSW (MT/day)	170
•	Quantity of commercial MSW (MT/day)	20
•	Quantity of industrial (non-toxic and non- hazardous) waste (MT/day)	5
•	Quantity of waste from markets (MT/day)	20
•	Quantity of waste from hotels and restaurants (MT/day)	15
.1	Composition of MSW (Attach separate sheet)	
•	Physical characteristics	
	 Biodegradable (%) 	39.62
	o Paper (%)	1.5
	 Plastic (%) 	4.75
	o Glass (%)	2.35
	o Metal (%)	0.5
	 Inert, ash, debris (%) 	-
	 Rags (%) 	19
	 Stone (%) 	15.9
	 Rubber / Tyre (%) 	3
	 Coconut shell (%) 	3
•	Chemical characteristics	
	 Carbon (%) 	11 to 16
	 Nitrogen (%) 	1.2 to 2.2
	\circ Phosphorous as P ₂ O ₅ (%)	1 to 1.5
	 Potassium as K₂O (%) 	1 to 1.5
	o C/N ratio	1:30
	 Calorific value (kCal/kg) 	-
	 Density of MSW (kg/m³) 	-
	• Moisture content (%)	25
•	SWEEPING	

.1	Total length of roads (with or without footpath) (km)	
•	Total length of cement-concrete roads (km)	151 Km
•	Total length of asphalted roads (km)	676 Km
•	Total length of Kutchha roads (km)	231 Km
.1	Total no. of sweepers employed	1651
•	Departmental	
•	Contracted	
.1	Working hours of sweepers	
.2	Norms of sweeping (<i>e.g.</i> one sweeper per population, or one sweeper per sq. m. area, or one sweeper per RMT road)	One sweeper per 500 population
.3	Sweeping carried out at a location by	In a box type wheel barrow / containerised handcart
		In the vehicle directly
.4	Sweeping waste is put in a	-
.5	Frequency of sweeping	-
.6	Total no. of wheel barrows provided	450
.7	Total no. of containerised handcarts provided	-
.8	Total capacity of wheel barrow (kg)	-
.9	No. of containers and its capacity in kg	-
.10	Type of broom provided	-
.11	Any other equipment provided (<i>e.g.</i> spade, shovel, tikow)	-
.12	Protective gear provided (<i>e.g.</i> leather hand gloves, gumboots, mask)	-
•	COLLECTION, STORAGE AND TRANSPORTA	TION
.1	Area covered for collection of MSW	259 sq. kms
.2	No. of households covered	2.30 lakhs
.3	No. of households covered under door-to-door collection (bell ringing)	Entire area of the city
.4	Is the collection carried out by municipal authority or private contractor or NGO?	Private & departmentally (both)
.5	Is the segregation is carried out at source?	-
	If no, what steps have been taken?	-

.6	Total quantity collected (MT/day)	230 MT
.7	MSW collected in mixed form (MT/day)	-
.8	MSW collected in segregated form (MT/day)	-
.9	Whether littering is prohibited by the municipality?	-
.10	Whether litterbins are provided?	-
.11	Frequency of waste collection	-
.12	Is waste collected every day <i>i.e.</i> 7 days a week and 365 days a year?	Every Day
	If no, give details	-
.13	Total number, type, size, and capacity of storage bins / container / trailers provided	-
.14	Whether the bins are open or closed?	-
.15	Whether all bins are attended/cleaned daily? (<i>i.e.</i> 7 days a week and 365 days a year)	-
	If no, mention details	-
.16	Whether the lifting of waste from the bins is manual or mechanical?	-

.17 Vehicle de	etails		
Dumper placer (with 4.5 m ³ / 8 m ³ containers)			
Open truck			
Open truck with tipping			
Tractor-trailer without tipping			
Auto rickshaw with or without tipping			
Tricycle with or without tipping			
Any other type (please mention)			

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)	1	-	7	1	20 kms	7	-	-
Dumper placer (with 2.5 m ³ containers)	-	-	-	-	-	-	-	-
Dumper placer (with 4.5 m ³ / 7 m containers)	-	-	-	-	-	-	-	-
Open truck	10	-	3.5	1	15 kms	21	-	-
Open truck with tipping	108	-	3	1	10 kms	200	-	-
Tractor- trailer with tipping	-	-	-	-	-	-	-	-
Tractor- trailer without tipping	-	-	-	-	-	-	-	-
Auto rickshaw with/ withou tipping	- t	-	-	-	-	-	-	-
Tricycle with/without tipping	8	-	200 kgs	2	2	2	-	-
Any other type	-	-	-	-	-	-	-	-
Total								
	ne vehicles are o vered with tempo			ley Yes/№	٩o			
• cc	LLECTION SYS	ТЕМ						
.1 Ap	proximate MSW	collected (N	MT)	230 N	ЛТ			
0	Household (ur	ban)						
0	Slums							

	0	Street sweeping	
	0	Shops & commercial establishments	
	0	Markets	
	0	Hotels, restaurants, eating housesGardens, parks, fairs	
	0	Slaughter houses	
	0	Building sites (debris, earth, etc.)	
.2	No.	of premises / establishments	
	0	Households	-
	0	Shops, commercial establishments	-
	0	Slums, households, population	-
	0	Vegetable and fruit markets	-
	0	Fish and meat markets	-
	0	Hawkers	-
.3	No.	of hotels, restaurants, eating houses	-
	0	Grade / class I	-
	0	Grade / class II	-
	0	Grade / class III	-
	0	No. of star hotels	-
.4	Gue	esthouses	-
.5	Mar	rriage halls	-
.6	Hos	stels	-
.7	Cin	ema halls	-
.8	The	eatres	-
.9	Sta	bles and no. of animals	-
.10	Hospitals/ clinics/ nursing homes Total no. of beds		-
.11		rks, gardens, recreation places like lakes, usement parks	-
.12	Buil	lding sites (under construction)	-
.13	Sla	ughter houses	-

٠		PROCESSING AND DISPOSAL OF MSW	
.1		Total quantity of MSW processed (MT/day)	-
.2		Technology / technologies adopted	-
	0	Composting (MT/day)	-
	0	Vermiculture (MT/day)	-
	0	Pelletisation (MT/day)	-
	0	Waste to energy (MT/day)	-
.3		Composting	-
		Compost produced (MT/year)	-
		Is it done mechanically?	-
		Is it the compost sold?	-
		If yes, the quantity sold (MT/year)	-
	•	Total revenue generated (Rupees/year)	-
.1		Vermi-composting	-
		Vermi-compost produced (MT/day)	-
		Is the vermi-compost sold?	-
		If yes, the quantity sold (MT/year)	-
	•	Total revenue generated (Rupees/year)	-
.1		Pelletisation	-
		Pellets produced (MT/day)	-
		Are the pellets sold?	-
		If yes, the quantity sold (MT/year)	-
	•	Total revenue generated (Rupees/year)	-
.1		Waste to energy	-
	•	Energy produced (MW/MT/day)	-
		Incineration	-
		Pyrolysis	-
		Bio-methanation	-
		Any other (Please mention)	-
	•	Revenue generated (Rupees/year)	-
.1		Dumping grounds/landfill sites	-
.1		Dumping grounds/landfill sites	-

	•	MSW disposed off by open dumping (MT/day) [mixed/inert]	-
	•	MSW disposed off by controlled dumping (MT/day) [mixed/inert]	-
	•	MSW disposed off by sanitary landfill (MT/day) [mixed/inert]	-
	•	No. of dumping grounds/ landfill sites	-
		Whether municipality legally owns them?	-
	•	Area of each dumping ground/ landfill site	-
	•	Whether the area will be sufficient for next 25 years	-
	•	If no, then what steps have been taken to acquire land?	-
	•	Distance (in km) of dumping ground / landfill site from	-
		• Habitation	-
		o Drinking water source	-
		 Religious or monument places 	-
	•	Distance from airport or airbase	-
	•	Has it been designed scientifically	-
	•	Has the existing dumping ground been upgraded as required by MSW Rules, 2000	-
		If no, what steps have been taken (provide details)	-
.1		Whether the following facilities are provided	-
	•	Weighbridge	-
	•	Fencing	-
	•	Approach roads/ internal roads	-
	•	Lighting facility	-
	•	Site office with monitoring equipment	-
	•	Managerial staff and manpower	-
	•	Covering material used daily as per Rules 2000	-
		Is it available in sufficient quantity?	-

•	Gas venting arrangement	-
•	Leachate collection system	-
•	INSTITUTIONAL ARRANGEMENTS	
.1	SWM services provided in the city/town by	Municipal corporation
.2	Total no. of Supervisory Staff provided (<i>e.g.</i> Health officer/ Assistant Health officer/ Chief Sanitary Inspector/ sanitary Inspector/ Sanitary Supervisors, <i>etc.</i>)	30
.3	Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, <i>etc</i> .	950 sweepers
.4	Organisational structure	-
•	PRIVATISATION	
.1	Whether any of the following service is privatised?	
•	Sweeping	No
•	Door-to-door collection	Yes
•	Community collection	Yes
		res
•	Transportation	Yes
•		
•	Transportation	Yes
•	Transportation Processing of MAW	Yes
•	Transportation Processing of MAW Sanitary landfilling	Yes
•	Transportation Processing of MAW Sanitary landfilling If yes, provide details	Yes
•	Transportation Processing of MAW Sanitary landfilling If yes, provide details If no, whether any future plans for privatisation Details of NGO/ CBO/ Residential groups involved in any schemes/ projects initiated by	Yes

	•	Total cost of SWM services under various heads	
	•	Establishment including salaries, uniforms, etc	6.30 crores (including private)
	•	Tools, equipment, and consumables including disinfectant	.40 crores
	•	Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, <i>etc</i>	.60 crores
	•	Hiring charges for contractors' vehicle & machinery, bulldozers, JCBs, <i>etc</i>	3.00 crores
	•	Other miscellaneous expenses	.20 crores
.1		The above total cost in terms of following activities (Rupees/Year)	
	•	Sweeping cost	5.70 crores
	•	Collection cost	2.40 crores
	•	Transportation cost	-
	•	Processing cost	1.5 crores
	•	Disposal / sanitary landfill cost	.90 crores
.1		Cost recovery	
	•	Tipping fee or trade refuse charges (Rupees/Year)	-
	•	Revenue generation (by sale of compost, vermi-compost, energy/ gas, <i>etc.</i> (Rupees/Year)	-
	•	Annual expenditure for SWM services	-
		Cost of SWM services in Rupees per capita per year	-
		Cost of SWM services in Rupees per tonne of MSW	-
•		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	-
•	How many slums have been identified and whether there are provided with sanitation facilities?	-
•	Is there any enforcement wing for taking renal actions?	-
	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. 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 INITIATIVE	S^1
.1	Recycling schemes for plastic, PET bottles	-
.2	Encouraging community activity such as ALM ² formation	-
.3	Encouraging people's participation by building- wise or building complex-wise waste segregation and processing of organic waste by vermi-composting or composting	-
.4	Training needs for sanitary workers on health and safety issue	-
.5	Development of tools and implements	-
.6	Please provide list of potential NGO for implementing any of the initiatives (any association registered with municipal body/ unregistered local area management)	-
•	AWARENESS	

¹ Details of schemes can be provided on a separate sheet

² Advance Locality Management

.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	-
•	Recycled Plastics Manufacture and Usage Rules, 1999	-
•	Biomedical Waste (Management and Handling) Rules, 1998	-
•	Coastal Regulatory Zones Rules, 1991 (amended up to 2002)	-
	Place: Mumbai	
	Date: 19- 1- 2005	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.*