Name of City/Town: KOL		KOLHAPUR		District:	KOLHAPUR		
Name of Municipal Body:		KOLHAPUR MUNICIPAL CORPORATIONI		Division:	Pune		
Address:		C Ward Bhausingji Road,		State:	Maharashtra		
		Post Box – 33,					
		Kolhapur – 416 002.					
Telephone:		530291 to 530299		Fax:	531830		
Email:				Website:			
1 DE	MOGRAPHY						
1.1 Na	me of Officer In-Cl	narge	Comr	nissioner K.M.	C.		
(Pl	ea of Municipal Col ease provide map inicipal body) (km²)	showing legal limits of	66.82 sq. kms				
1.3 No	o. of wards / zones		11 Sanitation Wards				
1.4 Tot	tal population (as p	per 1991 census)	4,06,370				
1.5 Tot	tal population (as p	per 2001 census)	4,85,183				
1.6 Po	1.6 Population						
Urban			4,12,969				
Slums		72,21	4				
1.7 Floating population		5000					
1.8 To	Total no. of household		90,00	0			
2 GE	2 GENERATION OF MUNICIPAL SOLID WASTE						
2.1 Tot	Total MSW generation (MT/day)		165 MT				
2.2 MS	SW generation (gm	s/capita/day)	370 gm				
2.3 Of	the total MSW gen	erated					
Quantity of o	domestic MSW (M	T/day)	105				
Quantity of o	commercial MSW ((MT/day)	15				
Quantity of industrial (non-toxic and non-hazardous) waste (MT/day)			10				
Quantity of waste from markets (MT/day)			25				
Quantity of waste from hotels and restaurants (MT/day)			10				
2.4 Composition of MSW (Attach separate sheet)							
Physical cha	Physical characteristics						
1.	1. Biodegradable (%)						

PROFORMA FOR SUBMITTING INFORMATION ON SOLID WASTE MANAGEMENT

	1. Paper (%)	6			
	1. Plastic (%)	3.5			
	1. Glass (%)	5			
	1. Metal (%)	0-1			
	1. Inert, ash, debris (%)				
Chemic	cal characteristics				
	2. Carbon (%)				
	3. Nitrogen (%)				
	4. Phosphorous as P_2O_5 (%)				
	5. Potassium as K ₂ O (%)				
	6. C/N ratio	27%			
	7. Calorific value (kCal/kg)				
	8. Density of MSW (kg/m ³)				
3	SWEEPING				
3.1	Total length of roads (with or without footpath) (km)	438 Kms			
Total le	ength of cement-concrete roads (km)	14 km			
Total le	ength of asphalted roads (km)	335 kms			
Total length of Kutchha roads (km)		89 kms			
3.2	Total no. of sweepers employed	1050			
3.3	Working hours of sweepers	8 hours (6 AM to 2 PM)			
3.4	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			
3.5	Sweeping carried out at a location by	1. One sweeper			
		1. Two sweepers			
		1. Three or more sweepers			
3.6	Sweeping waste is put in a	2. Box type wheel barrow			
		3. Containerised handcart			
		4. Cane or bamboo basket			
		5. Roadside bin			
		6. Open dump			
		7. Directly in the vehicle			
3.7	Frequency of sweeping	8. All seven days a week - Partly everyday			

			9. Six d	ays in a week			
			10. Alteri	nate days	- Partly alternate day		
			11. Any o	other frequency (Please mention)		
3.8	Total no. of wheel barrows	provided	40				
3.9	Total capacity of wheel ba	rrow (kg)	Containerised	with 2 containers	S		
3.10	No. of containers and its c	apacity in kg	25 Kg each co	ontainer			
3.11	Type of broom provided		12. Long	y handle - 2 bro	oms /per head/Month		
			13. Shor	t handle			
4	COLLECTION, STORAGE	E AND TRANSPORT	ATION				
4.1	Area covered for collection	n of MSW	66.82 sq. km				
4.2	No. of households covered	t	90,000				
4.3	No. of households covered collection (bell ringing)	d under door-to-door	10 km	10 km			
4.4	Is the collection is carried authority or private contract	By Kolhapur Municipal Corporation					
4.5	Is the segregation is carried out at source?		No				
4.6	MSW collected in mixed for	Mixed					
4.7	Whether all bins are attend (<i>i.e.</i> 7 days a week and 36	No	No				
4.8	Whether the lifting of wast	e from the bins is	MANUAL and	MANUAL and LOADER			
	manual or mechanical?		1) Refuse colle	1) Refuse collector 2) Dumper placer with container			
4.9	Vehicle details						
Туре	Total No.	Capacity (MT)	Daily required	At present available	Additional proposed		
Dumper (with 2.5 containe	5 m ³	1 MT	2	2	1		
Open tr	uck	4 MT	11	11	0		
Open tr tipping	uck with	2.5 MT	6	6	0		
Refuse Collect		2 MT	2	2	0		

4.10	Coll	ection details							
Type vehi		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
Dumpe placer 2.5 m ³ contair	(with	2		1 MT	20	140 Km	20		
Open	truck	11		4 MT	22	361 Km	88		
Open with tip		6		2.5 MT	18	214 Km	45		
Refus Collec		2		3 MT	4	54 Km	12		
5	COI	LECTION S	YSTEM						
5.1		roximate MS\		(MT)	165 N	ИT			
	1.	Household	(urban)		40 M	Т			
	1.	Slums			15 M	Т			
	1.	Street swee	ping		20 M	Т			
	1.	Shops & co	mmercial es	tablishments	15 M	Т			
	1.	Markets			20 M	Т			
	1.	Hotels, rest	aurants, eat	ng houses	10 M	Т			
	1.	Gardens, pa	arks, fairs		10 M	Т			
	1.	Slaughter h	ouses		5 MT				
	1.	Building site	es (debris, e	arth, <i>etc</i> .)	10 M	Т			
5.2	No.	of premises /	establishme	ents					
	2.	Households			90,00				
	3.		mercial esta		11,28				
	4.		seholds, pop			ums; Houses	10564; Popu	lation 56720	
	5.	Vegetable a		kets	10				
	6.	Fish and me	eat markets		8				
	7.	Hawkers			3000				
5.3	No.	of hotels, rest	taurants, eat	ing houses	1053				

5.4	Guesthouses	2		
5.5	Marriage halls	125		
5.6	Hostels	25		
5.7	Cinema halls	15		
5.8	Theatres	2		
5.9	Stables and no. of animals	16681 (1997 – Animal census)		
5.10	Hospitals/ clinics/ nursing homes	584		
	Total no. of beds	3278		
5.11	Parks, gardens, recreation places like lakes,	Park & Garden – 52		
	amusement parks	Lakes : 4		
5.12	Slaughter houses	2		
6	PROCESSING AND DISPOSAL OF MSW			
6.1	Technology / technologies adopted			
1.	Composting (MT/day)	Under Construction (BOOT) Basis (Details Attached)		
6.2	Dumping grounds/landfill sites	Crude Open dumping & filling of dangerous quaries in private land		
No. of d	umping grounds/ landfill sites	No		
6.3 Whether the following facilities are provided				
Weighbridge		No		
Fencing		No		
Lighting	facility	No		
Coverin	g material used daily as per Rules 2000	No		
Gas ver	nting arrangement	Not available		
Leachat	e collection system	Provision not made		
7	INSTITUTIONAL ARRANGEMENTS			
7.1	SWM services provided in the city/town by	Kolhapur Municipal Corporation, Kolhapur		
7.2	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>)	110		
7.3	Total no. of sweepers/ Pourakarmikas/ labourers/ Mukadam/ Jathedars/ Daffedars, <i>etc</i> .	1050		
7.4	Organisational structure	Attached		
8	PRIVATISATION			

8.1 Whether any of the following service is privatised?					
Sweeping	No				
Door-to-door collection	No				
Transportation	No				
Processing of MSW	No				
If no, whether any future plans for privatisation	No				
any schemes/ projects initiated by municipal body in	ALM – Residential group, group of societies, apartments are involved in ALM programs				
SWM/ clean city program	 Rag-pickers – Identify rag pickers in Clean City program 				
	3. NGO – some of the NGO are participating in various clean city programs				
9 COST IMPLICATIONS IN SWM					
9.1 Expenditure (in Rupees/Year)					
Total cost of SWM services under various heads					
Establishment including salaries, uniforms, etc	Rs. 7,62,20,569				
Tools, equipment, and consumables including disinfectant	Rs. 3,37,879				
Operation and maintenance of garbage vehicles including fuel, oil, spare parts, tyres, batteries, <i>etc</i>	Rs. 19,00,800				
9.2 The above total cost in terms of following activities (Rupees/Year)					
Sweeping cost	}				
Collection cost	} Rs. 7,65,58,448				
Transportation cost	Rs. 19,00,800				
9.3 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. 7,84,59,248				
Cost of SWM services in Rupees per capita per year	Rs. 161				
Cost of SWM services in Rupees per tonne of MSW	Rs. 1343				
10 OTHER FACILITIES					
10.1 What facilities are provided for the following?					

Biomedical waste		Bio-medical is disposed as per BMW rules 1998					
Diary re	Diary related activities		Garbage from dairy collected as usual domestic waste				
Slaugh	Slaughter house and unauthorised slaughtering		ouse provided v	vith all facilities	3		
Encroa	chments on footpaths, in parks		Anti-encroachment and Nuisance detection squad established by KMC				
	How many slums have been identified and whether there are provided with sanitation facilities?		Identified 42 slums, provided sanitation facilities				
Is there	e any enforcement wing for taking renal actions?		ce detection sq ative charges	uad establishe	ed for recovery		
	Recovery of administrative charges						
	Fines under Municipal/Police Act						
	Recourse to Municipal Act bye-laws						
	er any cases are registered and settled during ee years?	Yes					
	No. of cases registered during last three years		1999-00	00 - 01	01 – 02		
	No. of cases settled during last three years	Cases reg.	375	429	1374		
	Total recovery during last three years	Recovery	79775	164650	290100		
11	SPECIAL/ UNIQUE SCHEMES OR INITIATIVES	S ¹					
11.1	Recycling schemes for plastic, PET bottles	No					
11.2	Encouraging community activity such as ALM ² formation	Yes					
11.3	Encouraging people's participation by building- wise or building complex-wise waste segregation and processing of organic waste by vermi-composting or composting	Yes					
11.4	Training needs for sanitary workers on health and safety issue	Yes					
11.5	Development of tools and implements	Containerised dumper placer, HDP Plastic Gamela, lor handed Broom			c Gamela, long		
11.6	Please provide list of potential NGO for implementing any of the initiatives (any association registered with municipal body/ unregistered local area management)	1. End Ver	an School com couraging peop micomposting couraging comr er	le for waste se	egregation &		

¹ Details of schemes can be provided on a separate sheet

² Advance Locality Management

12	AWARENESS		
12.1	Are you aware of the various notifications of the Ministry of Environment and Forests, Government of India		
Municip Rules, 2	al Solid Waste (Management and Handling) 2000	Yes	
Recycle	d Plastics Manufacture and Usage Rules, 1999	Yes	
Coastal 2002)	Regulatory Zones Rules, 1991 (amended up to		
	Place:		
	Date:		Signature of the Municipal Commissioner / The Health Officer/ The Chief Engineer (SWM)
			Stamp
Note	e: Please provide small note on the geographica	I and hist	orical background of the city, tourist places,

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*.