		Service Level Benchmarking - Solid Waste Management							
S.No	Code	Input Nomenclature			Logic/Remark				
					65+17 input fields				
	1	HOUSEHOLD LEVEL COVERAGE OF SOLID WASTE MANAGEMENT SERVICES		99.97	KE*100/(XE+XT)				
		Door to Door Collection - Number of HHs and establishments covered by Door to Door Collection							
1	KA	Number of Households covered by Door to Door Collection	Number	198886	Input field				
2		Number of Hotels and Restaurants covered by Door to Door Collection	Number		Input field				
3		Number of Commercial Establishments (institutions, offices) covered by Door to Door Collection	Number		Input field				
4		Number of any other establishments (incl. markets) covered by Door to Door Collection	Number		Input field				
5		Total Number of Households and Establishments covered by Door to Door Collection	Number		KA+KB+KC+KD				
	NE .	Total Number of Households and Establishments covered by Bool to Bool Concetion	Ivuilibei	2209/1	KATKBTKCTKD				
	Ш	EFFICIENCY OF COLLECTION OF MUNICIPAL SOLID WASTE		100.00	IF(KO=0,(LO*100/KL),(KO*100/KL))				
	- "	Waste Generation		100.00	IF(KO=0,(LO*100/KL),(KO*100/KL))				
6	KF	Waste Generated by Households	MT/month	12625.12	Input field				
7		Waste Generated by Street Sweeping	MT/month		Input field				
<u> </u>		· · · ·			·				
8		Waste Generated by Hotels and Restaurants	MT/month		Input field				
9		Waste Generated by Markets (Vegetable Markets, Mandis etc)	MT/month		Input field				
10		Waste Generated by Commercial Establishments (eg. Institutions, etc)	MT/month		Input field				
11		Waste Generated by other sources (eg. debris, horticulture waste etc)	MT/month		Input field				
12	KL	Total Waste Generated	MT/month	16453.32	KF+KG+KH+KI+KJ+KK				
12	1/0.4	Waste Collection and Transportation - Details of waste received at Processing/Disposal Facilities	N/TC/ .1	42000 22	1				
13		Quantity of waste received at processing and recycling facilities	MT/month	13900.33	·				
14		Quantity of waste received at disposal sites	MT/month		Input field				
15	KO	Total waste received at processing/disposal facility and recycled	MT/month	16454.09	KM+KN+LQ-ME				
		Waste Collection and Transportation - Details of waste transported to Processing/Disposal Facilities			6.11				
16		Number of Tipper Trucks/compactor used for transportation of waste to processing site (Karsada)	Number		Input field				
17		Capacity of each lorries/trucks	Metric Tons (MT)		Input field				
18	KR	Total number of trips made by each lorries/trucks each day to the disposal site	Trips per day		Input field				
19		Total quantity of waste collected by mini lorries/trucks	MT/month		KP*KQ*KR*30				
20		Number of dumper placers used for transportation of waste	Number		Input field				
21		Capacity of each dumper placer	Metric Tons (MT)		Input field				
22		Total number of trips made by each dumper placers each day to the disposal site	Trips per day		Input field				
23	KW	Total quantity of waste collected by dumper placers	MT/month		KT*KU*KV*30				
24	KX	Number of mini lorries used for transportation of waste	Number	104	Input field				
25	KY	Capacity of each mini lorry	Metric Tons (MT)	1.5	Input field				
26	KZ	Total number of trips made by each mini lorries each day to the disposal site (transfer station)	Trips per day	1	Input field				
27	LA	Total quantity of waste collected by mini lorries	MT/month	4680	KX*KY*KZ*30				
28	LB	Number of tractor trailers used for transportation of waste	Number	14	Input field				
29	LC	Capacity of each tractor trolly	Metric Tons (MT)	2	Input field				
30	LD	Total number of trips made by each tractor trailer each day to the disposal site (Transfer station)	Trips per day	2	Input field				
31	LE	Total quantity of waste collected by tractor trailer	MT/month	1680	LB*LC*LD*30				
32	LF	Number of Refuse compector used per day for transportation of waste to processing site	Number	33	Input field				
33		Capacity of each Refuse Compector	Metric Tons (MT)	6.5	Input field				
34	LH	Total number of trips made by each tipper trucks each day to the Processing site (Karsada)	Trips per day		Input field				
35	LI	Total quantity of waste collected by tipper trucks	MT/month		LF*LG*LH*30				
36	LJ	Number of 3 wheeler auto tippers used for transportation of waste	Number		Input field				
37	LK	Capacity of each 3 wheeler auto tipper	Metric Tons (MT)		Input field				
38	LM	Total number of trips made by each 3 wheeler auto tippers each day to the disposal site (Transfer station)	Trips per day		Input field				
39		Total quantity of waste collected by 3 wheeler auto tippers	MT/month		LJ*LK*LM*30				
40	LO	Total quantity of waste collected and transported to disposal site	MT/month		KS+KW+LA+LE+LI+LN				
		The state of the s							
	III	EXTENT OF SEGREGATION OF MUNICIPAL SOLID WASTE		1.51	((LP+LQ)/IF(MH=0,LO,MH))*100				
		Segregation of Waste			TI SI T SI TI SI				
41	LP	Quantity of waste arriving at Processing/ Disposal facility in segregated manner	MT/month	148.958	Input field				
42		Quantity of waste taken away by recyclers from intermediate points	MT/month		Input field				
		Commission points	1.12/111011111	23.3					
	IV	EXTENT OF MUNICIPAL SOLID WASTE RECOVERED		83 15	(MF/IF(KO=0,LO,KO))*100				
	1.0	Quantity of Waste Processing		33.13	,,(0,20,0)) 100				
//2	LR	Installed Capacity of Composting Plant	MT/month	18000	Input field				
45		Waste Quantity Input at the Composting Plant	MT/month	13432.135	•				
45		Installed Capacity of Vermi-composting Plant	MT/month		Input field				
46		Waste Quantity Input at the Vermi-composting Plant	MT/month		Input field				
47		Installed Capacity of Refuse Derived Fuel	MT/month		Input field				
47		Waste Quantity Input at the Refuse Derived Fuel	MT/month		Input field				
48		Installed Capacity of Bio Methanation/ Waste-to-Energy Plants	MT/month MT/month	450	5 TPD capacity each plant per day *30				
		1 1							
50 51		Waste Quantity Input at Bio methanation/ Waste-to-Energy plants Installed Capacity of any other processing facilities	MT/month MT/month		All three plants (Waste to energy) Input field				
51		Waste Quantity Input at other processing facilities	MT/month MT/month	0	Input field				
52			MT/month MT/month	_	LR+LT+LV+LX+LZ				
53	MB	Total Installed Capacity of Processing facilities Total Wasta Quantity Input at all types of processing facilities	MT/month MT/month		LK+L1+LV+LX+LZ LS+LU+LW+LY+MA				
54	MC	Total Waste Quantity Input at all types of processing facilities Overtity of waste rejected by processing facilities at intele point							
55		Quantity of waste rejected by processing facilities at intake point	MT/month		Input field Input field				
56		Quantity of post-processing rejects sent to dumpsite/ landfills Total Waste Processed in the ULB	MT/month		,				
57	MF	Total waste flocessed in the ULD	MT/month	12000.333	IF(MC <mb,(mc+lq-md),(mb+lq-md))< td=""></mb,(mc+lq-md),(mb+lq-md))<>				
	37	EVENT OF CCIENTIFIC DICDOCAL OF MUNICIPAL COLUMN WASTE		400.00	(NAC*100//NAC+NALI)				
	V	EXTENT OF SCIENTIFIC DISPOSAL OF MUNICIPAL SOLID WASTE		100.00	(MG*100/(MG+MH)				
F.0	D 4 C	Quantity of Waste Disposal	NATE / 1	2552.00	la sout field				
58		Quanity of waste disposed in compliant landfill sites	MT/month		Input field				
59	МН	Quanity of waste disposed in open dump sites	MT/month	0	Input field				
	* **	EDELGIENOVIN DEDDEGGAT OF GUGEOLUE GOLERA TOURG			(1) 41 × 4 00 (1) 41				
	VI	EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS		91.03	(MJ*100/MI)				
1		Customer Service	XX - 1						
60		Complaints received during the year	Number		Input field				
61	MJ	Complaints resolved within 24 hours during the year	Number	3085	Input field				

			Р		
	VII	EXTENT OF COST RECOVERY IN SWM SERVICES		34.55	(NA*100/MR)
		Financial Information - Operational Expenditure on SWM during previous year			
62	MK	Regular Staff & Administration	Rs. In Lakhs	8513.52	Input field
63	ML	Outsourced/Contracted Staff Costs	Rs. In Lakhs	1233.21	Input field
64	MM	Electricity Charges/Fuel Costs	Rs. In Lakhs	590.08	Input field
65	MN	Chemical Costs	Rs. In Lakhs	0	Input field
66	MO	Repair/Maintenance Costs	Rs. In Lakhs	48.69	Input field
67	MP	Contracted Services Cost (Samvida)	Rs. In Lakhs	1609.25	Input field
68	MQ	Other Costs (Specify)	Rs. In Lakhs	0	Input field
69	MR	Total Operational Expenses	Rs. In Lakhs	11994.75	MK+ML+MM+MN+MO+MP+MQ
		Financial Information - Operational Revenues from SWM during previous year			
70	MS	Arrears at the end of previous year	Rs. In Lakhs	0	Input field
71	MT	Tax / Cess - Solid Waste only	Rs. In Lakhs	0	Input field
72	MU	User Charges	Rs. In Lakhs		Input field
73	MV	Fixed Charges based on Property Tax/ State Taxes/Cess/Surcharges	Rs. In Lakhs		Input field
74	MW	Sale of Recyclables	Rs. In Lakhs		Input field
75	MX		Rs. In Lakhs	0	Input field
		Sale from processing - compost/energy		·	·
76	MY	Royalty	Rs. In Lakhs		Input field
77	MZ	Others (Specify) Total Payanus Demand Reised for the prayious year	Rs. In Lakhs		Input field
78	NA	Total Revenue Demand Raised for the previous year	Rs. In Lakhs	4143.82	MT+MU+MV+MW+MX+MY+MZ
					(NOTE OF ANY
		EFFICIENCY IN COLLECTION OF SWM CHARGES	1 5 7 7 11		(NC*100/NA)
79	NA	Total Revenue Demand Raised for the previous year	Rs. In Lakhs		NA
80		Collection against arrears	Rs. In Lakhs		Input field
81	NC	Collection against Current Demand	Rs. In Lakhs	10	Input field
		Additional Information (Optional)			
		Staff Information			
82	ND	Senior Management-Health Officer (Sanctioned)	Number	3	Input field
83	NE	Senior Management-Health Officer (Working)	Number	1	Input field
84	NF	Sanitary Inspector (Sanctioned)	Number	25	Input field
85	NG	Sanitary Inspector (Working)	Number	16	Input field
86	NH	Sanitary Supervisor (Sanctioned)	Number	104	Input field
87	NI	Sanitary Supervisor (Working)	Number	37	Input field
88	NJ	Maistries/Safai Karam chari (Sanctioned)	Number	3261	Input field
89	NK	Maistries/Safai Karam chari (Working)	Number		Input field
90	NL	Cleaners/Drivers (Sanctioned)	Number	203	Input field
91	NM	Cleaners/Drivers (Working)	Number		Input field
92		Labourers (Sanctioned)	Number	0	Input field
		· · · · · · · · · · · · · · · · · · ·		}	·
93	NO	Labourers (Working) Others Specify	Number	0	Input field
94	NP	Others Specify True 1 (Specify and 1)	Number	0	Input field
95	NQ	Total (Sanctioned)	Number		ND+NF+NH+NJ+NL+NN
96	NR	Total (Working)	Number	2564	NE+NG+NI+NK+NM+NO+NP
6=		I. 14 1.6	**		l
97	NS	Are daily records of waste received at compliant landfill maintained (MSW 2000)	Yes/No		Input field
98		Is weighbridge available at landfill site?	Yes/No	Yes	Input field
99	NU	Are daily records of waste received at open dumpsites maintained?	Yes/No	yes	Input field
100	NV	Is weighbridge available at dumpsite?	Yes/No	Yes	Input field
		SOLID WASTE MANAGEMENT INDICATORS			
SI No		Indicators	Unit	Result	Reliability
1		Household level coverage of solid waste management services	%	100.0	
2		Efficiency of collection of municipal solid waste	%	100.0	В
3		Extent of segregation of municipal solid waste	%	1.5	
4		Extent of municipal solid waste recovered	%	83.1	
5		Extent of indimeripal solid waste recovered Extent of scientific disposal of municipal solid waste	%	100.0	
6		Extent of cost recovery in solid waste management services	%	34.5	
7		Efficiency in collection of solid waste management charges Efficiency in redressal of customer complaints	%	91.0	В
8		I HITTICIANOV IN PACIFACOI LAT CUCTAMAR CAMPIGINTO	%		K