

14th Finance Commission: Declaration of Service Level Standards (FY: 2017-18)

NPP-61 District: Hapur State: UP Name of the Executive Officer: Mr. J.K. Anand Postal address with PIN code: Nagar Palika Parishad, Hapur Phone & Fax Nos.: 8954068787 Email ID: npp612009@gmail.com

Water Supply Indicators		Coverage of Water supply Connections		Per capita supply of water		Extent of metering of water connection		Extent of non revenue water		Continuity of water supply		Quality of water supplied		Efficiency in redressal of customer complaints		Cost recovery in water supply service		Efficiency in collection of water supply charges	
Benchmarks	100%	135lpcd	100%	20%	24hours	100%	80%	100%	90%										
Current (2017-18)	100%	101.1	106	0	16	100	100	100	28.9	18	87.1	18	91						
Target (2018-19)	100%	106	106	0	17	100	100	80	30	18	91	18	91						

Sewage Management (Sewerage and Sanitation)		Coverage of toilets		Coverage of sewage network service		Collection efficiency of the sewage network		Adequacy of sewage treatment capacity		Quality of sewage treatment		Extent of reuse and recycling of treated sewage		Efficiency in redressal of customer complaints		Extent of cost recovery in sewage management		Efficiency in collection of sewage charges	
Benchmarks	100%	100%	100%	100%	100%	100%	100%	100%	20%	80%	100%	90%							
Current (2017-18)	90.1	95	2.9	3	0	0	0	0	0	98.4	80	34.4	36	86.2	91				
Target (2018-19)	95	95	3	0	0	0	0	0	0	80	80	36	36	86.2	91				

Solid Waste Management Indicators		Household level coverage of solid waste management services		Efficiency of collection of municipal solid waste		Extent of segregation of municipal solid waste		Extent of municipal solid waste recovered		Extent of scientific disposal of municipal solid waste		Efficiency in redressal of customer complaints		Extent of cost recovery in SWM services		Efficiency in collection of SWM charges	
Benchmarks	100%	100%	100%	100%	100%	80%	100%	80%	100%	80%	100%	90%					
Current (2017-18)	100	100	18	100	0	0	0	96.1	80	0	0	18	0				
Target (2018-19)	100	100	100	100	0	0	0	80	0	0	0	18	0				

Storm Water Drainage Indicators		Coverage of Storm Water Drainage Network		Incidence of water logging/flooding	
Benchmarks	100%	60	61	0	0
Current (2017-18)	60	61	61	0	0
Target (2018-19)	100%	61	61	0	0

Hapur Service Level Benchmarking under 14th Finance commission -General information of city

S.No	Code	Input Nomenclature	Value	Logic/Remark
Demographics				
1	XA	Population (Census 2011)	Persons 262983	input field
2	XB	Decadal Growth Rate of the City	% 34.06	input field
3	XC	Population (Present Year)	Persons 289000	function of XA
4	XD	Number of Households (Census 2011)	Number 44742	input field
5	XE	Number of Households (Present Year)	Number 45139	function of XD
6	XF	Family Size (Census 2011)	Persons 5.88	XA/XD
7	XG	Family Size (Present Year)	Persons 6.4	XC/XE
8	XH	Number of Slums (2011)	Number 64804.0	input field
9	XI	Number of Slums (Present Year)	Number 63511.0	input field
10	XJ	Number of Slum Households (2011)	Number 8965.0	input field
11	XK	Number of Slum Households (Present Year)	Number 9715.0	input field
12	XL	Number of Properties (2011)	Number 44808	input field
13	XM	Number of Properties (Present Year)	Number 56204	input field
14	XN	Number of Election Wards (2011)	Number 36	input field
15	XO	Number of Election Wards (Present Year)	Number 41	input field
16	XP	Town/City Area (Census 2011)	sq km 14.2	input field
17	XQ	Present Town/City Area	sq km 14.2	input field
18	XR	Population Density (Present Year)	Number 20352.11	XC/XQ
20	XT	Restaurants (Present Year)	Number 5072	input field
Service Provider Details - Water Supply				
21	XU	Name of Town/City	Hapur	input field
22	XV	Name of the Department/Unit	Local body	input field
23	XW	Name of the Head of Department/Unit	J.K.Anand.	input field
24	XX	Designation of the Department Head	E.O.	input field
25	XY	Address	N.P.P. Hapur	input field
26	XZ	Telephone Number	0122-2313752	input field
27	YA	Mobile Number	8954068787	input field
28	YB	Fax Number	0122-2312449	input field
29	YC	Email	npph2009@gmail.com	input field
30	YD	Website	nagarpalikahapur.org	input field
31	YE	Name of the Contact Person	Ash kumar	input field
32	YF	Designation of the contact person	J.E.(Jal)	input field
33	YG	Address	N.P.P. Hapur	input field
34	YH	Telephone Number	0122-2313752	input field
35	YI	Mobile Number	9458278836	input field
36	YJ	Fax Number	0122-2312449	input field
37	YK	Email	npph2009@gmail.com	input field
38	YL	Website	nagarpalikahapur.org	input field
Service Provider Details - Sewerage and Drainage				
39	YM	Name of Town/ City	Hapur	input field
40	YN	Name of the Department/Unit	Local body	input field
41	YO	Name of the Head of Department/Unit	J.K.Anand.	input field
42	YP	Designation of the Department Head	E.O.	input field
43	YQ	Address	N.P.P. Hapur	input field
44	YR	Telephone Number	0122-2313752	input field
45	YS	Mobile Number	8954068787	input field
46	YT	Fax Number	0122-2312449	input field
47	YU	Email	npph2009@gmail.com	input field
48	YV	Website	nagarpalikahapur.org	input field
49	YW	Name of the Contact Person	Ash kumar	input field
50	YX	Designation of the contact person	J.E.(Jal)	input field
51	YY	Address	N.P.P. Hapur	input field
52	YZ	Telephone Number	0122-2313752	input field
53	ZA	Mobile Number	9458278836	input field
54	ZB	Fax Number	0122-2312449	input field
55	ZC	Email ID	npph2009@gmail.com	input field
56	ZD	Website	nagarpalikahapur.org	input field
Service Provider Details - Solid Waste Management				
57	ZE	Name of Town/Utility	Hapur	input field
58	ZF	Name of the Head of the Department	Local body	input field
59	ZG	Designation of the Head of the Department	J.K.Anand.	input field
60	ZH	Address	E.O.	input field
61	ZI	Telephone Number	0122-2313752	input field
62	ZJ	Mobile Number	8954068787	input field
63	ZK	Fax Number	0122-2313752	input field

64	ZL	Email ID		npph2009@gmail.com	input field
65	ZM	Website		nagarpalikhapur.org	input field
66	ZN	Name of the Contact Person		R.K.Yadav.	input field
67	ZO	Designation of the Contact Person		C.S.F.I.	input field
68	ZP	Address		N.P.P. Hapur	input field
69	ZQ	Telephone Number		0122-2313752	input field
70	ZR	Mobile Number		9411469440	input field
71	ZS	Fax Number		0122-2313752	input field
72	ZT	Email ID		npph2009@gmail.com	input field
73	ZU	Website		nagarpalikhapur.org	input field

Hapur Service Level Benchmarking under 14th Finance commission -Water supply Data

S.No	Code	Input Nomenclature		Value	Logic/Remark
	I	COVERAGE OF WATER SUPPLY CONNECTIONS			63+14 input fields
		<i>Water Service Coverage - Number of Connections</i>	%	38.2	$(A1 * 100) / X1$
1	AA	Domestic Connections (Metered Functional)	Number	0	Input field
2	AB	Domestic Connections (Metered Non-Functional)	Number	0	Input field
3	AC	Domestic Connections (Unmetered)	Number	17244	Input field
4	AD	Domestic connections (Total)	Number	17244	(AA+AB+AC)
5	AE	Bulk supply Apartments (Metered Functional)	Number	0	Input field
6	AF	Bulk supply Apartments (Metered Non-Functional)	Number	0	Input field
7	AG	Bulk supply Apartments (Unmetered)	Number	0	Input field
8	AH	Bulk supply Apartments (Total)	Number	0	(AE+AF+AG)
9	AI	Bulk supply Layouts/Societies (Metered Functional)	Number	0	Input field
10	AJ	Bulk supply Layouts/Societies (Metered Non-Functional)	Number	0	Input field
11	AK	Bulk supply Layouts/societies (Unmetered)	Number	0	Input field
12	AL	Bulk supply Layouts/Societies (Total)	Number	0	(AI+AJ+AK)
13	AM	Others - Specify (Metered Functional)	Number	0	Input field
14	AN	Others - Specify (Metered Non-Functional)	Number	0	Input field
15	AO	Others - Specify (Unmetered)	Number	0	Input field
16	AP	Others - Specify (Total)	Number	0	(AM+AN+AO)
17	AQ	Total Number of Water Supply Connections	Number	17244	(AD+AH+AL+AP)
		<i>Water Service Coverage - Households Served</i>			
18	AR	Households served by Domestic Connections	Number	17244	Input field
19	AS	Households served by Bulk supply - Apartments	Number	0	Input field
20	AT	Households served by Bulk supply - Layouts/Societies	Number	0	Input field
21	AU	Total Households served with Water Supply	Number	17244	AR+AS+AT
		<i>*Households served by own sources such as wells, handpumps shall not be included</i>			
	ii	PER CAPITA SUPPLY OF WATER			
		<i>Water Production Capacity</i>	LPCD	103.11	$(BC+BD+BE+BG+BJ) * 10 / X1$
22	AV	Installed Capacity of Treatment Plants for Surface Water Sources	MLD	0	Input field
23	AW	Volume of water produced through Surface Water Sources	MLD	0	Input field
24	AX	Installed Capacity of Treatment Plants for Ground Water Sources	MLD	0	Input field
25	AY	Volume of water produced through Ground water (power pumps)	MLD	34.65	Input field
26	AZ	Volume of water produced through any Other Sources	MLD	0	Input field
27	BA	Total Installed Capacity	MLD	0	AV+AX
28	BB	Total Volume of water produced	MLD	34.65	AW+AY+AZ
		<i>Water Consumption</i>			
29	BC	Volume of water billed from Domestic Connections	MLD	27.85	Input field
30	BD	Volume of water billed from Bulk supply Apartments	MLD	0	Input field
31	BE	Volume of water billed from Bulk supply Layouts/Societies	MLD	0	Input field
32	BF	Volume of water billed from Non domestic Connections	MLD	0	Input field
33	BG	Volume of water billed from Public taps	MLD	0	Input field
34	BH	Volume of water billed from any other sources	MLD	0	Input field
35	BI	Total Volume of water billed	MLD	27.85	BC+BD+BE+BF+BG+BH
36	BJ	Total Volume of water unbilled (free supplies to Public taps)	MLD	1.95	Input field
37	BK	Total Volume of water unbilled (free connections eg. Religious institutions etc)	MLD	1.5	Input field
	III	EXTENT OF NON REVENUE WATER (NRW)			
38	BB	Total Volume of Water Produced	%	19.62	$(BB-BI) * 100 / BB$
39	BI	Total Volume of Water Billed	MLD	27.85	BI
	IV	EXTENT OF METERING OF WATER SUPPLY CONNECTIONS			
40	BL	Non domestic incl. commercial/Indus/Instl. (Metered Functional)	%		$(BL+BM+BN) * 100 / BU$
41	BM	Non domestic incl. commercial/Indus/Instl. (Metered Non-Functional)	Number	0	Input field
42	BN	Non domestic incl. commercial/Indus/Instl. (Unmetered)	Number	0	Input field
43	BO	Non domestic incl. commercial/Indus/Instl. (Total)	Number	0	Input field
44	BP	Public taps (Metered Functional)	Number	0	Input field
45	BQ	Public taps (Metered Non-Functional)	Number	0	Input field
46	BR	Public taps (Unmetered)	Number	0	Input field
47	BS	Public Taps (Total)	Number	50	BP+BQ+BR
48	BT	Total number of metered and functional connections (domestic, bulk supply, others)	Number	50	Input field
49	BU	Total number of Water Supply Connections	Number	17294	AA+AE+AI+AM
	IV	CONTINUITY OF WATER SUPPLY			
		<i>Water Supply Frequency</i>	Hours per Day	16.00	$(BW * BV / 50)$
50	BV	Days of supply per month	Number	30	Input field
51	BW	Average duration of each supply	Hours	16	Input field

V		EFFECTIVENESS OF REDRESSAL OF COMPLAINTS	%	98.5	(BY* 100/BX)
		<i>Consumer Services</i>			
52	BX	Complaints received during the year	Number	658	Input field
53	BY	Complaints resolved within 24 hours during the year	Number	648	Input field
VI		QUALITY OF WATER SUPPLIED		100.00	(CG* 100/CP)
		<i>Treated Water Quality Surveillance</i>			
		Residual Chlorine - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number	0	Input field
54	CA	Residual Chlorine - No. of Samples taken at intermediate points (in a year)	Number	215	Input field
55	CB	Residual Chlorine - No. of Samples taken at consumer end (in a year)	Number	580	Input field
56	CC	Total Samples taken for Residual Chlorine tests	Number	835	CA+CB+CC
57	CD	Number of Samples Passed	Number	835	Input field
58	CE	Physical/Chemical - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number	0	Input field
59	CF	Physical/Chemical - No. of Samples taken at intermediate points (in a year)	Number	17	Input field
60	CG	Physical/Chemical - No. of Samples taken at consumer end (in a year)	Number	17	Input field
61	CH	Total Samples taken for Physical and Chemical tests	Number	32	CF+CG+CH
62	CI	Number of Samples Passed	Number	32	Input field
63	CJ	Bacteriological - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number	0	Input field
64	CK	Bacteriological - No. of Samples taken at intermediate points (in a year)	Number	0	Input field
65	CL	Bacteriological - No. of Samples taken at consumer end (in a year)	Number	0	Input field
66	CM	Total Samples taken for Bacteriological tests	Number	0	CK+CL+CM
67	CN	Number of Samples Passed	Number	0	Input field
68	CO	Bacteriological - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number	0	Input field
69	CP	Bacteriological - No. of Samples taken at intermediate points (in a year)	Number	0	Input field
70	CQ	Bacteriological - No. of Samples taken at consumer end (in a year)	Number	0	Input field
		Total Number of Samples taken for all types of tests	Number	865	CD+CI+CN
		Total Tests Passed	Number	865	CE+CJ+CO
VII		COST RECOVERY IN WATER SUPPLY SERVICES	%	28.88	(DD* 100/CY)
		<i>Financial Information - Operating Expenses</i>			
71	CR	Regular Staff and administration	Rs. Lakhs	73.05	Input field
72	CS	Outsourced/Contract Staff Costs	Rs. Lakhs	84.00	Input field
73	CT	Electricity Charges/Fuel Costs	Rs. Lakhs	394.33	Input field
74	CU	Chemical Costs	Rs. Lakhs	17.25	Input field
75	CV	Repairs/Maintenance Costs	Rs. Lakhs	64.25	Input field
76	CW	Bulk (Raw/Treated) Water Charges	Rs. Lakhs	0.00	Input field
77	CX	Other Costs	Rs. Lakhs	0.00	Input field
78	CY	Total Operating Expenditure	Rs. Lakhs	632.88	CR+CS+CT+CU+CV+CW+CX
		<i>Financial Information - Operating Revenues</i>			
79	CZ	Arrears at the beginning of previous year.	Rs. Lakhs	7.32	Input field
80	DA	Revenue demand from user charges	Rs. Lakhs	80.50	Input field
81	DB	Revenue demand from tax/cess - Water Service only	Rs. Lakhs	101.04	Input field
82	DC	Revenue demand from other revenues (eg. connection costs/Donations etc)	Rs. Lakhs	1.09	Input field
83	DD	Total Revenue Demand for previous year	Rs. Lakhs	182.63	DA+DB+DC
VIII		COLLECTION EFFICIENCY OF WATER SUPPLY RELATED CHARGES	%	87.08	(DF* 100/DD)
84	DD	Total Revenue Demand for previous year (from user charges, taxes etc)	Rs. Lakhs	182.63	DD
85	DE	Collection against arrears	Rs. Lakhs	7.32	Input field
86	DF	Collection against the current demand of previous year	Rs. Lakhs	159.04	Input field
		Additional Information (Optional)			
		Staff Information			
91	EA	Senior Management (Sanctioned)	Number	1	input field
92	EB	Senior Management (Working)	Number	1	input field
93	EC	Engineers (Sanctioned)	Number	1	input field
94	ED	Engineers (Working)	Number	1	input field
95	EE	Clerks/Accountants (Sanctioned)	Number	2	input field
96	EF	Clerks/Accountants (Working)	Number	2	input field
97	EG	Work Inspectors/Meter Readers (Sanctioned)	Number	4	input field
98	EH	Work Inspectors/Meter Readers (Working)	Number	0	input field
99	EI	Electricians/Fitters (Sanctioned)	Number	3	input field
100	EJ	Electricians/Fitters (Working)	Number	0	input field
101	EK	Lines men/plumbers (Sanctioned)	Number	0	input field
102	EL	Lines men/plumbers (Working)	Number	0	input field
103	EM	Labourers (Sanctioned)	Number	6	input field
104	EN	Labourers (Working)	Number	4	input field
105	EO	Total (Sanctioned)	Number	17	EA+EC+EE+EG+EI+EK+EM
106	EP	Total (Working)	Number	8	EB+ED+EF+EH+EJ+EL+EN
		WATER SUPPLY INDICATOR VALUES			
		Indicator	Unit	Value	Reliability
1		Coverage of water supply connections	%	38.2	
2		Per capita available of water at consumer end	Lpcd	103.1	
3		Extent of metering of water connections	%	0.0	
4		Extent of Non Revenue Water	%	19.6	
5		Continuity of water supply	Hours/Day	16.0	
6		Efficiency in redressal of customer complaints	%	98.5	
7		Quality of water supplied	%	100.0	
8		Cost recovery in water supply services	%	28.9	
9		Efficiency in collection of water supply related charges	%	87.1	

Hapur Service Level Benchmarking under 14th Finance commission -Sewerage and Drainage Data					
S.No	Code	Input Nomenclature		Value	Logic/Remark
	I	COVERAGE OF TOILETS	%	90.1	(FC*100/XM)
		<i>Sanitation Coverage</i>			
1	XM	Total Number of Properties in the City	Number	56204	XM
2	FA	Properties with toilets	Number	48302	Input field
3	FB	Households dependent on functional community toilets	Number	2310	Input field
4	FC	Total Number of Properties with access to toilets	Number	50612	FA+FB
	II	COVERAGE OF SEWAGE NETWORK SERVICES	%	2.87	(FD*100/XM)
5	XM	Total Number of Properties in the City	Number	56204	XM
6	FD	Properties with sewer connections	Number	1615	Input field
7	FE	Properties with onsite sanitary disposal	Number	0	Input field
	III	COLLECTION EFFICIENCY OF SEWAGE NETWORK	%	0	(FX*100/FW)
		<i>Waste Water Production - Volume of Water Consumed and Waste Water Generated</i>			
8	FF	Volume of water consumed and billed from Domestic Connections	MLD	27.85	BC
9	FG	Volume of water consumed and billed from Bulk supply - Apartments	MLD	0	BE
10	FH	Volume of water consumed and billed from Bulk supply - Layouts/Societies	MLD	0	BF
11	FI	Volume of water consumed and billed from Non domestic Connections	MLD	0	BD
12	FJ	Volume of water consumed (both billed and unbilled) from Public taps	MLD	1.95	BG+BJ
13	FK	Volume of water from free supplies (other connections)	MLD	1.5	BK
14	FL	Volume of water consumed and billed from any other ULB sources	MLD	0	BH
15	FM	Volume of water consumed from any Non ULB water sources	MLD	0	Input field
16	FN	Total Water Consumption (billed and unbilled) from ULB and Non ULB sources)	MLD	31.3	FF+FG+FH+FI+FJ+FK+FL+FM
17	FO	Volume of waste water generated from Domestic Water Consumption	MLD	22.28	0.80*FF
18	FP	Volume of waste water generated from Bulk Supply - Apartments	MLD	0	0.80*FG
19	FQ	Volume of waste water generated from Bulk Supply - Layouts/Societies	MLD	0	0.80*FH
20	FR	Volume of waste water generated from Non Domestic Water Consumption	MLD	0	0.80*FI
21	FS	Volume of waste water generated from Public Tap Water Consumption	MLD	1.56	0.80*FJ
22	FT	Volume of waste water generated from free supplies (other connections)	MLD	1.2	0.80*FK
23	FU	Volume of waste water generated from other ULB source water consumption	MLD	0	0.80*FL
24	FV	Volume of waste water generated from Non ULB source Water consumption	MLD	0	0.80*FM
25	FW	Total Waste Water Generated	MLD	25.04	FO+FP+FQ+FR+FS+FT+FU+FV
		<i>Waste Water Collection and Treatment</i>			
26	FX	Volume of sewage actually treated at the Primary Treatment Plant	MLD	0	Input field
27	FY	Volume of sewage actually treated at Secondary Treatment Plant	MLD	0	Input field
28	FZ	Total Volume of Waste Water collected and Treated at Sewage Treatment Plants	MLD	0	FX+FY
	IV	ADEQUACY OF SEWAGE TREATMENT CAPACITY	%	0	(GB*100/FW)
29	GA	Installed Capacity of Primary Treatment Plant	MLD	0	Input field
30	GB	Installed Capacity of Secondary Treatment Plant	MLD	0	Input field
31	GC	Total Installed Capacity (Primary + Secondary Treatment)	MLD	0	GA+GB
32	FW	Total Waste Water Generated	MLD	25.04	FW
	V	EXTENT OF REUSE AND RECYCLING OF SEWAGE	%	#DIV/0!	(GD*100/FY)
33	FY	Volume of sewage actually treated at Secondary Treatment Plant	MLD	0	FY
34	GD	Volume of treated waste water reused after Secondary Treatment	MLD	0	Input field
	VI	QUALITY OF SEWAGE TREATMENT	%	#DIV/0!	(GF*100/GE)
		<i>Discharge Compliance after Secondary Treatment of Sewage</i>			
35	GE	Number of Treated Effluent Samples Tested in the previous year	Number	0	Input field
36	GF	Number of Treated Effluent Samples Passed in the previous year	Number	0	Input field
	VII	EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS	%	98.43	(GH*100/GG)
		<i>Consumer Services</i>			
37	GG	Sewage related Complaints received during the year	Number	445	Input field
38	GH	Sewage related Complaints resolved within 24 hours during the year	Number	438	Input field
	VIII	EXTENT OF COST RECOVERY IN SEWAGE MANAGEMENT	%	34.4	(GU*100/GP)
		<i>Financial Information - Annual Operating Expenses</i>			
39	GI	Regular Staff and Administration	Rs. Lakhs	15.85	Input field
40	GJ	Outsourced /Contract Staff Costs	Rs. Lakhs	7.25	Input field
41	GK	Electricity Charges /Fuel Costs	Rs. Lakhs	3.85	Input field
42	GL	Chemicals Costs	Rs. Lakhs	0.00	Input field
43	GM	Repairs/Maintenance Costs	Rs. Lakhs	2.50	Input field
44	GN	Contractor Costs for O&M	Rs. Lakhs	0.00	Input field
45	GO	Others (Specify)	Rs. Lakhs	0.00	Input field
46	GP	Total Annual Operating Expenses	Rs. Lakhs	29.45	GI+GJ+GK+GL+GM+GN+GO
		<i>Financial Information - Annual Operating Revenues</i>			
47	GQ	Arrears at the beginning of previous year	Rs. Lakhs	1.57	Input field
48	GR	Revenue demand from user charges - sewerage only	Rs. Lakhs	4.98	Input field
49	GS	Revenue demand from tax/cess - sewerage only	Rs. Lakhs	4.82	Input field
50	GT	Revenue demand from other sources (eg. connection costs/donations etc.)	Rs. Lakhs	0.32	Input field
51	GU	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	10.12	GR+GS+GT
	IX	EFFICIENCY IN COLLECTION OF SEWAGE CHARGES		86.2	(GW*100/GU)
52	GU	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	10.12	GU
53	GV	Collection against arrears	Rs. Lakhs	0.37	Input field

54	GW	Collection against current demand	Rs. Lakhs	8.72	input field
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		Additional Information (Optional)			
Staff Information					
55	HA	Senior Management (Sanctioned)	Number	1	Input field
56	HB	Senior Management (Working)	Number	0	Input field
57	HC	Engineers (Sanctioned)	Number	1	Input field
58	HD	Engineers (Working)	Number	1	Input field
59	HE	Clerks/Accountants (Sanctioned)	Number	1	Input field
60	HF	Clerks/Accountants (Working)	Number	0	Input field
61	HG	Labourers/Cleaners (Sanctioned)	Number	12	Input field
62	HH	Labourers/Cleaners (Working)	Number	3	Input field
63	HI	Total (Sanctioned)	Number	16	
64	HJ	Total (Working)	Number	4	
Septage Management					
65	HL	Does the ULB practice septage management	Yes/No	yes	Input field
66	HM	Septage sucking machines available within ULB	Number	2	Input field
67	HN	Private Septage machines licenced by ULB	Number	0	Input field
Connection Costs for Sewerage Connections					
68	HO	Residential - General	Rs	15	Input field
69	HP	Residential - Urban Poor	Rs	15	Input field
70	HQ	Institutional	Rs	15	Input field
71	HR	Commercial	Rs	15	Input field
72	HS	Industrial	Rs	15	Input field
Sewerage Tariff Structure - Flat Rate Tariff					
73	HT	Residential - General	Rs./Month	12	Input field
74	HU	Residential - Urban Poor	Rs./Month	12	Input field
75	HV	Institutional	Rs./Month	12	Input field
76	HW	Commercial	Rs./Month	12	Input field
77	HX	Industrial	Rs./Month	12	Input field
Sewerage Tariff Structure - Volumetric Tariff					
78	HY	Residential - General	Rs./KL	0	Input field
79	HZ	Residential - Urban Poor	Rs./KL	0	Input field
80	IA	Institutional	Rs./KL	0	Input field
81	IB	Commercial	Rs./KL	0	Input field
82	IC	Industrial	Rs./KL	0	Input field
Storm Water Drainage Data					
I COVERAGE OF STORM WATER DRAINAGE NETWORK					
83	ID	Total Length of Road Network	%	59.54	IE*100/ID
84	IE	Total Length of Pucca covered drains	Kilometers	524	Input field
			Kilometers	312	Input field
II INCIDENCE OF WATER LOGGING/FLOODING					
85	IF	Number of Flood Prone Points in the city	Number	0	IF*IG
86	IG	Average Frequency of Flooding	Number	0	Input field
			Number	0	Input field
SEWERAGE SERVICE INDICATOR VALUES					
<i>S.No.</i>	<i>Indicator</i>		<i>Unit</i>	<i>Value</i>	<i>Reliability</i>
1	Coverage of Toilets		%	90.1	
2	Coverage of wastewater network services		%	2.9	
3	Collection efficiency of wastewater networks		%	0.0	
4	Adequacy of wastewater treatment capacity		%	0.0	
5	Extent of reuse and recycling of treated wastewater		%	#DIV/0!	
6	Quality of wastewater treatment		%	#DIV/0!	
7	Efficiency in redressal of customer complaints		%	98.4	
8	Extent of cost recovery in wastewater management		%	34.4	
9	Efficiency in collection of sewerage charges		%	86.2	
STORM WATER DRAINAGE SERVICE INDICATOR VALUES					
<i>S.No.</i>	<i>Indicator</i>		<i>Unit</i>	<i>Value</i>	<i>Reliability</i>
1	Coverage of Storm Water Drainage Network		%	60	
2	Incidence of water logging/flooding		Number	0	

Hapur Service Level Benchmarking under 14th Finance commission -Solid waste Management

S.No	Code	Input Nomenclature		Value	Logic/Remark
					65+17 input fields
	I	HOUSEHOLD LEVEL COVERAGE OF SOLID WASTE MANAGEMENT SERVICES			KE*100/(XE+XT)
		<i>Door to Door Collection - Number of HHs and establishments covered by Door to Door Collection</i>			
1	KA	Number of Households covered by Door to Door Collection	Number	0	Input field
2	KB	Number of Hotels and Restaurants covered by Door to Door Collection	Number	0	Input field
3	KC	Number of Commercial Establishments (institutions, offices) covered by Door to Door Collection	Number	0	Input field
4	KD	Number of any other establishments (incl. markets) covered by Door to Door Collection	Number	0	Input field
5	KE	Total Number of Households and Establishments covered by Door to Door Collection	Number	0	KA+KB+KC+KD
	II	EFFICIENCY OF COLLECTION OF MUNICIPAL SOLID WASTE		100.00	IF(KO=0,(LO*100/KL),(KO*100/KL))
		<i>Waste Generation</i>			
6	KF	Waste Generated by Households	MT/month	2635	Input field
7	KG	Waste Generated by Street Sweeping	MT/month	1300	Input field
8	KH	Waste Generated by Hotels and Restaurants	MT/month	75	Input field
9	KI	Waste Generated by Markets (Vegetable Markets, Mandis etc)	MT/month	205	Input field
10	KJ	Waste Generated by Commercial Establishments (eg. Institutions, etc)	MT/month	85	Input field
11	KK	Waste Generated by other sources (eg. debris, horticulture waste etc)	MT/month	46	Input field
12	KL	Total Waste Generated	MT/month	4346	KF+KG+KH+KI+KJ+KK
		<i>Waste Collection and Transportation - Details of waste received at Processing/ Disposal Facilities</i>			
13	KM	Quantity of waste received at processing and recycling facilities	MT/month	0	Input field
14	KN	Quantity of waste received at disposal sites	MT/month	0	Input field
15	KO	Total waste received at processing/disposal facility and recycled	MT/month	0	KM+KN+LQ-ME
		<i>Waste Collection and Transportation - Details of waste transported to Processing/ Disposal Facilities</i>			
16	KP	Number of lorries/trucks used for transportation of waste	Number	3	Input field
17	KQ	Capacity of each lorries/trucks	Metric Tons (MT)	6	Input field
18	KR	Total number of trips made by each lorries/trucks each day to the disposal site	Trips per day	3	Input field
19	KS	Total quantity of waste collected by mini lorries/trucks	MT/month	1620	KP*KQ*KR*30
20	KT	Number of dumper placers used for transportation of waste	Number	4	Input field
21	KU	Capacity of each dumper placer	Metric Tons (MT)	0.2	Input field
22	KV	Total number of trips made by each dumper placers each day to the disposal site	Trips per day	4	Input field
23	KW	Total quantity of waste collected by dumper placers	MT/month	96	KT*KU*KV*30
24	KX	Number of mini lorries used for transportation of waste	Number	4	Input field
25	KY	Capacity of each mini lorry	Metric Tons (MT)	0.5	Input field
26	KZ	Total number of trips made by each mini lorries each day to the disposal site	Trips per day	5	Input field
27	LA	Total quantity of waste collected by mini lorries	MT/month	300	KX*KY*KZ*30
28	LB	Number of tractor trailers used for transportation of waste	Number	2	Input field
29	LC	Capacity of each tractor trailer	Metric Tons (MT)	2	Input field
30	LD	Total number of trips made by each tractor trailer each day to the disposal site	Trips per day	4	Input field
31	LE	Total quantity of waste collected by tractor trailer	MT/month	530	LB*LC*LD*30
32	LF	Number of tipper trucks used for transportation of waste	Number	4	Input field
33	LG	Capacity of each tipper trucks	Metric Tons (MT)	5	Input field
34	LH	Total number of trips made by each tipper trucks each day to the disposal site	Trips per day	3	Input field
35	LI	Total quantity of waste collected by tipper trucks	MT/month	1800	LF*LG*LH*30
36	LJ	Number of 3 wheeler auto tippers used for transportation of waste	Number	0	Input field
37	LK	Capacity of each 3 wheeler auto tipper	Metric Tons (MT)	0	Input field
38	LM	Total number of trips made by each 3 wheeler auto tippers each day to the disposal site	Trips per day	0	Input field
39	LN	Total quantity of waste collected by 3 wheeler auto tippers	MT/month	0	LJ*LK*LM*30
40	LO	Total quantity of waste collected and transported to disposal site	MT/month	4346	KS+KW+LA+LE+LI+LN
	III	EXTENT OF SEGREGATION OF MUNICIPAL SOLID WASTE		-	((LP+LQ)/IF(MH=0,LO,MH))*100
		<i>Segregation of Waste</i>			
41	LP	Quantity of waste arriving at Processing/ Disposal facility in segregated manner	MT/month	0	Input field
42	LQ	Quantity of waste taken away by recyclers from intermediate points	MT/month	0	Input field

SLB Code Sheet

	<i>Indicators</i>	<i>Unit</i>	<i>Result</i>	<i>Reliability</i>
1	Household level coverage of solid waste management services	%	0.0	
2	Efficiency of collection of municipal solid waste	%	100.0	
3	Extent of segregation of municipal solid waste	%	0.0	
4	Extent of municipal solid waste recovered	%	0.0	
5	Extent of scientific disposal of municipal solid waste	%	#DIV/0!	
6	Extent of cost recovery in solid waste management services	%	0.0	
7	Efficiency in collection of solid waste management charges	%	#DIV/0!	
8	Efficiency in redressal of customer complaints	%	96.1	