184 NPP Service Level Benchmarking - General Information of City (for 2019)

70 input fields

S.No	Code	184- NPP Hasanpur Input Nomenclature		Value	Logic/Remark
		Demographics			
1	XA	Population (Census 2011)	Persons	61232	input field
2	XB	Decadal Growth Rate of the City	%	14.79	input field
3	XC	Population (Present Year)	Persons	61232	function of XA
4	XD	Number of Households (Census 2011)	Number	11243	input field
5	XE	Number of Households (Present Year)	Number	11243	function of XD
6	XF	Family Size (Census 2011)	Persons	5.45	XA/XD
7	XG	Family Size (Present Year)	Persons	5.45	XC/XE
8	XH	Number of Slums (2011)	Number	0.0	input field
9	XI	Number of Slums (Present Year)	Number	0.0	input field
10	XJ	Number of Slum Households (2011)	Number	0.0	input field
11	XK	Number of Slum Households (Present Year)	Number	0.0	input field
12	XL	Number of Properties (2011)	Number	11243	input field
13	XM	Number of Properties (Present Year)	Number	16275	input field
14	XN	Number of Election Wards (2011)	Number	25	input field
15	XO	Number of Election Wards (Present Year)	Number	25	input field
16	XP	Town/City Area (Census 2011)	sq.km	5.72	input field
17	XQ	Present Town/City Area	sq.km	5.72	input field
18	XR	Population Density (Present Year)	Number	10704.90	XC/XQ
19	XS	Number of Commercial and other establishments (offices, institutions, markets), Hotels and Restaurants (Year 2011)	Number	0	input field
20	XT	Number of Commercial and other establishments (offices, institutions, markets,Hotels and Restaurants)(Present Year)	Number	0	input field
		Service Provider Details - Water Supply			
21	XU	Name of Town/City		Hasanpur	input field
22	XV	**Name of the Department/Unit**		N.P.P.hasanpur	input field
23	XW	Name of the Head of Department/Unit		Nihal Singh	input field
24	XX	Designation of the Department Head		E.O	input field
25	XY	Address		Hasanpur	input field
26	XZ	Telephone Number		5924264092	input field
27	YA	Mobile Number		9761358216	input field
28	YB	Fax Number		5924264092	input field
29	YC	Email		npphasanpur86@gmail.com	input field
30	YD	Website		npphasanpur.com	input field
31	YE	**Name of the Contact Person**		Nihal Singh	input field
32	YF	Designation of the contact person		E.O	input field
33	YG	Address		Hasanpur	input field
34	YH	Telephone Number		5924264092	input field
35	YI	Mobile Number		9761358216	input field
36	YJ	Fax Number		5924264092	input field
37	YK	Email		npphasanpur86@gmail.com	input field
38	YL	Website		npphasanpur.com	input field
		Service Provider Details - Sewerage and Drainage			
39	YM	Name of Town/ City		Hasanpur	input field
40	YN	**Name of the Department/Unit**		N.P.P.hasanpur	input field
41	YO	Name of the Head of Department/Unit		Nihal Singh	input field
42	YP	Designation of the Department Head		E.O	input field
43	YQ	Address		Hasanpur	input field
44	YR	Telephone Number		5924264092	input field
45	YS	Mobile Number		9761358216	input field
46	YT	Fax Number		5924264092	input field
47	YU	Email		npphasanpur86@gmail.com	input field
48	YV	Website		0	input field
49	YW	**Name of the Contact Person**		Nihal Singh	input field
50	YX	Designation of the contact person		E.O	input field
51	YY	Address		Hasanpur	input field
52	YZ	Telephone Number		5924264092	input field
53	ZA	Mobile Number		9761358216	input field
54	ZB	Fax Number		5924264092	input field
55	ZC	Email ID		npphasanpur86@gmail.com	input field
56	ZD	Website		npphasanpur.com	input field

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		Service Provider Details - Solid Waste Management			
57	ZE	**Name of Town/Utility**		Hasanpur	input field
58	ZF	**Name of the Head of the Department**		Nihal Singh	input field
59	ZG	Designation of the Head of the Department		E.O	input field
60	ZH	Address		Hasanpur	input field
61	ZI	Telephone Number		5924264092	input field
62	ZJ	Mobile Number		9761358216	input field
63	ZK	Fax Number		5924264092	input field
64	ZL	Email ID		npphasanpur86@gmail.com	input field
65	ZM	Website		npphasanpur.com	input field
66	ZN	**Name of the Contact Person**		Nihal Singh	input field
67	ZO	Designation of the Contact Person		E.O	input field
68	ZP	Address		Hasanpur	input field
69	ZQ	Telephone Number		5924264092	input field
70	ZR	Mobile Number		9761358216	input field
71	ZS	Fax Number		5924264092	input field
72	ZT	Email ID		npphasanpur86@gmail.com	input field
73	ZU	Website		npphasanpur.com	input field

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184-NPP Hasanpur Service Level Benchmarking - Water Supply Data for 2019

S.No	Code	Input Nomenclature		Value	Logic/Remark
					63+14 input fields
	I	COVERAGE OF WATER SUPPLY CONNECTIONS	%	18.14	AU*100/XE
		Water Service Coverage - Number of Connections			
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	2040	Input field
4	AD	Domestic connections (Total)	Number	2040	(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 Funtional)	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	2040	(AD+AH+AL+AP)
		Water Service Coverage - Households Served			
18	AR	Households served by Domestic Connections	Number	2040	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	2040	AR+AS+AT
		**Households served by own sources such as wells, handpumps shall not be included*			
	II	**PER CAPITA SUPPLY OF WATER**	**LPCD**	**95.54**	**(BC+BD+BE+BG+BJ)*10^6/XC**
		Water Production Capacity			
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	6.10	Input field
26	AZ	Volume of water produced through any Other Sources	MLD		Input field
27	BA	Total Installed Capacity	MLD	0	AV+AX
28	BB	Total Volume of water produced	MLD	6.10	AW+AY+AZ
		Water Consumption			
29	BC	Volume of water billed from Domestic Connections	MLD	5.80	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	5.80	BC+BD+BE+BF+BG+BH
36	BJ	Total Voume of water unbilled (free supplies to Public taps)	MLD	0.05	Input field
37	BK	Total Volume of water unbilled (free connections eg. Religious institutions etc)	MLD	0	Input field
	III	EXTENT OF NON REVENUE WATER (NRW)	%	4.92	(BB-BI)*100/BB
38	BB	Total Volume of Water Produced	MLD	6.10	BB
39	BI	Total Volume of Water Billed	MLD	5.80	BI
	IV	EXTENT OF METERING OF WATER SUPPLY CONNECTIONS	%		(BL+BP+BT)*100/BU
40	BL	Non domestic incl. commercial/Indus/Instl. (Metered Functional)	Number	0	Input field
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	BL+BM+BN
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	35	Input field
47	BS	Public Taps (Total)	Number	35	BP+BQ+BR
48	BT	Total number of metered and functional connections (domestic, bulk supply, others)	Number	0	AA+AE+AI+AM
49	BU	Total number of Water Supply Connections	Number	2075	AQ+BO+BS
	IV	CONTINUITY OF WATER SUPPLY	Hours per Day	10.00	(BW*BV/30)
		Water Supply Frequency			
50	BV	Days of supply per month	Number	30	Input field
51	BW	Average duration of each supply	Hours	10.00	Input field

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	V	EFFECIENCY OF REDRESSAL OF COMPLAINTS	%	100.0	(BY*100/BX)
		Consumer Services			
52	BX	Complaints received during the year	Number	40	Input field
53	BY	Complaints resolved within 24 hours during the year	Number	40	Input field
	VI	QUALITY OF WATER SUPPLIED		82.64	(CQ*100/CP)
		Treated Water Quality Surveilance			
54	CA	Residual Chlorine - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number		Input field
55	CB	Residual Chlorine - No. of Samples taken at intermediate points (in a year)	Number	70	Input field
56	CC	Residual Chlorine - No. of Samples taken at consumer end (in a year)	Number	51	Input field
57	CD	Total Samples taken for Residual Chlorine tests	Number	121	CA+CB+CC
58	CE	Number of Samples Passed	Number	100	Input field
59	CF	Physical/Chemical - No. of Samples taken at the outlet of Water Treatment Plant (in a ye		0	Input field
60	CG	Physical/Chemical - No. of Samples taken at intermediate points (in a year)	Number	0	Input field
61	CH	Physical/Chemical - No. of Samples taken at consumer end (in a year)	Number	0	Input field
62	CI	Total Samples taken for Physical and Chemical tests	Number	0	CF+CG+CH
63	CJ	Nuimber of Samples Passed	Number		Input field
64	CK	Bacteriological - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number	0	Input field
65	CL	Bacteriological - No. of Samples taken at intermediate points (in a year)	Number	0	Input field
66	CM	Bacteriological - No. of Samples taken at consumer end (in a year)	Number	0	Input field
67	CN	Total Samples taken for Bacteriological tests	Number	0	CK+CL+CM
68	CO	Number of Samples Passed	Number		Input field
69	CP	Total Number of Samples taken for all types of tests	Number	121	CD+CI+CN
70	CQ	Total Tests Passed	Number	100	CE+CJ+CO
	VII	COST RECOVERY IN WATER SUPPLY SERVICES	%	22.79	(DD*100/CY)
		Financial Information - Operating Expenses			
71	CR	Regular Staff and administration	Rs. Lakhs	6.50	Input field
72	CS	Outsourced/Contract Staff Costs	Rs. Lakhs	4.75	Input field
73	CT	Electricity Charges/Fuel Costs	Rs. Lakhs	13.30	Input field
74	CU	Chemical Costs	Rs. Lakhs	3.10	Input field
75	CV	Repairs/Maintenance Costs	Rs. Lakhs	3.50	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	31.15	CR+CS+CT+CU+CV+CW+CX
		Financial Information - Operating Revenues			
79	CZ	Arrears at the beginning of previous year (2017-18)	Rs. Lakhs	0.62	Input field
80	DA	Revenue demand from user charges	Rs. Lakhs	0.00	Input field
81	DB	Revenue demand from tax/cess - Water Service only	Rs. Lakhs	7.10	Input field
82	DC	Revenue demand from other revenues (eg. connection costs/Donations etc)	Rs. Lakhs	0.00	Input field
83	DD	Total Revenue Demand for previous year	Rs. Lakhs	7.10	DA+DB+DC
	VII	COLLECTION EFFICIENCY OF WATER SUPPLY RELATED CHARGES	%	100.00	(DF*100/DD)
84	DD	Total Revenue Demand for previous year (from user charges, taxes etc)	Rs. Lakhs	7.10	DD
85	DE	Collection against arrears (2017-18)	Rs. Lakhs	0.62	Input field
86	DF	Collection against the current demand of previous year (2017-18)	Rs. Lakhs	7.10	Input field
		Additional Information (Optional)			
		Staff Information			
91	EA	Senior Management (Sanctioned)	Number	0	input field
92	EB	Senior Management (Working)	Number	0	input field
93	EC	Engineers (Sanctioned)	Number	0	input field
94	ED	Engineers (Working)	Number	0	input field
95	EE	Clerks/Accountants (Sanctioned)	Number	1	input field
96	EF	Clerks/Accountants (Working)	Number	0	input field
97	EG	Work Inspectors/Meter Readers (Sanctioned)	Number	0	input field
98	EH	Work Inspectors/Meter Readers (Working)	Number	0	input field
99	EI	Electricians/Fitters (Sanctioned)	Number	0	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	2	input field
103	EM	Labourers (Sanctioned)	Number	0	input field
104	EN	Labourers (Working)	Number	4	input field
105	EO	Total (Sanctioned)	Number	1	EA+EC+EE+EG+EI+EK+EM
106	EP	Total (Working)	Number	6	EB+ED+EF+EH+EJ+EL+EN
		WATER SUPPLY INDICATOR VALUES			
		Indicator	Unit	Value	Reliability
1		Coverage of water supply connections	%	18.14	
2		Per capita available of water at consumer end	Lpcd	95.54	
3		Extent of metering of water connections	%	0.0	
4		Extent of Non Revenue Water	%	4.92	
5		Continuity of water supply	Hours/Day	10.0	
6		Efficiency in redressal of customer complaints	%	100.0	
7		Quality of water supplied	%	82.6	
8		Cost recovery in water supply services	%	22.79	
9		Efficieny in collection of water supply related charges	%	100.00	

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S.No	Code	Input Nomenclature		Value	Logic/Remark
					31+26 input fields
	I	COVERAGE OF TOILETS	%	100.0	(FC*100/XM)
		Sanitation Coverage			
1	XM	Total Number of Properties in the City	Number	16275	XM
2	FA	Properties with toilets	Number	16275	Input field
3	FB	Households dependent on functional community toilets	Number	0	Input field
4	FC	Total Number of Properties with access to toilets	Number	16275	FA+FB
	II	COVERAGE OF SEWAGE NETWORK SERVICES	%	0	(FD*100/XM)
5	XM	Total Number of Properties in the City	Number	16275	XM
6	FD	Properties with sewer connections	Number	0	Input field
7	FE	Properties with onsite sanitary disposal	Number	0	Input field
	III	COLLECTION EFFICIENCY OF SEWAGE NETWORK	%	0	(FX*100/FW)
		Waste Water Production - Volume of Water Consumed and Waste Water Generated			
8	FF	Volume of water consumed and billed from Domestic Connections	MLD	5.80	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	0.05	BG+BJ
13	FK	Volume of water from free supplies (other connections)	MLD	0	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		Input field
16	FN	Total Water Consumption (billed and unbilled) from ULB and Non ULB sources)	MLD	5.85	FF+FG+FH+FI+FJ+FK+FL+FM
17	FO	Volume of waste water generated from Domestic Water Consumption	MLD	4.64	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	0.04	0.80*FJ
22	FT	Volume of waste water generated from free supplies (other connections)	MLD	0	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	4.68	FO+FP+FQ+FR+FS+FT+FU+FV
		Waste Water Collection and Treatment			
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	4.68	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)
		Discharge Compliance after Secondary Treatment of Sewage			
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	%	#DIV/0!	(GH*100/GG)
		Consumer Services			
37	GG	Sewage related Complaints received during the year	Number	0	Input field
38	GH	Sewage related Complaints resolved within 24 hours during the year	Number	0	Input field
	VIII	EXTENT OF COST RECOVERY IN SEWAGE MANAGEMENT	%	#DIV/0!	(GU*100/GP)
		Financial Information - Annual Operating Expenses			
39	GI	Regular Staff and Administration	Rs. Lakhs	0.00	Input field
40	GJ	Outsourced /Contract Staff Costs	Rs. Lakhs	0.00	Input field
41	GK	Electricty Charges /Fuel Costs	Rs. Lakhs	0.00	Input field
42	GL	Chemicals Costs	Rs. Lakhs	0.00	Input field
43	GM	Repairs/Maintenance Costs	Rs. Lakhs	0.00	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	0.00	GI+GJ+GK+GL+GM+GN+GO
		Financial Information - Annual Operating Revenues			
47	GQ	Arrears at the beginning of previous year	Rs. Lakhs	0.00	Input field
48	GR	Revenue demand from user charges - sewerage only	Rs. Lakhs	0.00	Input field
49	GS	Revenue demand from tax/cess - sewerage only	Rs. Lakhs	0.00	Input field
50	GT	Revenue demand from other sources (eg. connection costs/donations etc.)	Rs. Lakhs	0.00	Input field
51	GU	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	0.00	GR+GS+GT
	IX	EFFICIENCY IN COLLECTION OF SEWAGE CHARGES		#DIV/0!	(GW*100/GU)
52	GU	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	0.00	GU
53	GV	Collection against arrears	Rs. Lakhs	0.00	Input field
54	GW	Collection against current demand	Rs. Lakhs	0.00	Input field

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		Additional Information (Optional)		0	
		Staff Information			
55	HA	Senior Management (Sanctioned)	Number	0	Input field
56	HB	Senior Management (Working)	Number	0	Input field
57	HC	Engineers (Sanctioned)	Number	0	Input field
58	HD	Engineers (Working)	Number	0	Input field
59	HE	Clerks/Accountants (Sanctioned)	Number	0	Input field
60	HF	Clerks/Accountants (Working)	Number	0	Input field
61	HG	Labourers/Cleaners (Sanctioned)	Number	0	Input field
62	HH	Labourers/Cleaners (Working)	Number	0	
63	HI	Total (Sanctioned)	Number	0	
64	HJ	Total (Working)			
		Septage Management	Yes/No	0	Input field
65	HL	Does the ULB practice septage management	Number	0	Input field
66	HM	Septage sucking machines available within ULB	Number	0	Input field
67	HN	Private Septage machines licenced by ULB			
		Connection Costs for Sewerage Connections	Rs	0	Input field
68	HO	Residential - General	Rs	0	Input field
69	HP	Residential - Urban Poor	Rs	0	Input field
70	HQ	Institutional	Rs	0	Input field
71	HR	Commercial	Rs	0	Input field
72	HS	Industrial			
		Sewerage Tariff Structure - Flat Rate Tariff	Rs./Month	0	Input field
73	HT	Residential - General	Rs./Month	0	Input field
74	HU	Residential - Urban Poor	Rs./Month	0	Input field
75	HV	Institutional	Rs./Month	0	Input field
76	HW	Commercial	Rs./Month	0	Input field
77	HX	Industrial			
		Sewerage Tariff Structure - Volumetric Tariff	Rs./KL	0	Input field
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			
		Storm Water Drainage Data			
	I	COVERAGE OF STORM WATER DRAINAGE NETWORK	%	95.00	IE*100/ID
83	ID	Total Length of Road Network	Kilometers	40	Input field
84	IE	Total Length of Pucca covered drains	Kilometers	38	Input field
	II	INCIDENCE OF WATER LOGGING/FLOODING	Number	0	IF*IG
85	IF	Number of Flood Prone Points in the city	Number	0	Input field
86	IG	Average Frequency of Flooding	Number	0	Input field
		SEWERAGE SERVICE INDICATOR VALUES			
S.No.		***Indicator***	***Unit***	***Value***	***Reliability***
1		Coverage of Toilets	%	100.0	
2		Coverage of wastewater network services	%	0.0	
3		Collection efficiency of wastewater networks	%	0.0	
4		Adequacy of wastewater treatment capacity	%	0.0	
5		Extent of reuse and recycling of treated watsewater	%	#DIV/0!	
6		Quality of wastewater treatment	%	#DIV/0!	
7		Efficieny in redressal of customer complaints	%	#DIV/0!	
8		Exetent of cost recovery in wastewater management	%	#DIV/0!	
9		Efficiency in collection of sewerage charges	%	#DIV/0!	
		STORM WATER DRAINAGE SERVICE INDICATOR VALUES			
S.No.		***Indicator***	***Unit***	***Value***	***Reliability***
1		Coverage of Storm Water Drainage Network	%	95	
2		Incidence of water logging/flooding	Number	0	

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184 NPP Hasanpur Service Level Benchmarking - Solid Waste Management for 2019

S.No	Code	Input Nomenclature		Value	Logic/Remark
					65+17 input fields
	I	HOUSEHOLD LEVEL COVERAGE OF SOLID WASTE MANAGEMENT SERVICES		100.00	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	11243	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	11243	KA+KB+KC+KD
	II	EFFICIENCY OF COLLECTION OF MUNICIPAL SOLID WASTE		100.00	IF(KO=0,(LO*100/KL),(KO*100/KL))
		Waste Generation			
6	KF	Waste Generated by Households	MT/month	300	Input field
7	KG	Waste Generated by Street Sweeping	MT/month	100	Input field
8	KH	Waste Generated by Hotels and Restaurants	MT/month	107	Input field
9	KI	Waste Generated by Markets (Vegetable Markets, Mandis etc)	MT/month	118	Input field
10	KJ	Waste Generated by Commercial Establishments (eg. Institutions, etc)	MT/month	0	Input field
11	KK	Waste Generated by other sources (eg. debris, horticulture waste etc)	MT/month	50	Input field
12	KL	Total Waste Generated	MT/month	675	KF+KG+KH+KI+KJ+KK
		Waste Collection and Transportation - Details of waste received at Processing/ Disposal Facilities			
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
		Waste Collection and Transportation - Details of waste transported to Processing/ Disposal Facilities			
16	KP	Number of lorries/trucks used for transportation of waste	Number	0	Input field
17	KQ	Capacity of each lorries/trucks	Metric Tons (MT)	0	Input field
18	KR	Total number of trips made by each lorries/trucks each day to the disposal site	Trips per day	0	Input field
19	KS	Total quantity of waste collected by mini lorries/trucks	MT/month	0	KP*KQ*KR*30
20	KT	Number of dumper placers used for transportation of waste	Number	0	Input field
21	KU	Capacity of each dumper placer	Metric Tons (MT)	0	Input field
22	KV	Total number of trips made by each dumper placers each day to the disposal site	Trips per day	0	Input field
23	KW	Total quantity of waste collected by dumper placers	MT/month	0	KT*KU*KV*30
24	KX	Number of mini lorries used for transportation of waste	Number	0	Input field
25	KY	Capacity of each mini lorry	Metric Tons (MT)	0	Input field
26	KZ	Total number of trips made by each mini lorries each day to the disposal site	Trips per day	0	Input field
27	LA	Total quantity of waste collected by mini lorries	MT/month	0	KX*KY*KZ*30
28	LB	Number of tractor trailers used for transportation of waste	Number	5	Input field
29	LC	Capacity of each tractor trailer	Metric Tons (MT)	0.5	Input field
30	LD	Total number of trips made by each tractor trailer each day to the disposal site	Trips per day	3	Input field
31	LE	Total quantity of waste collected by tractor trailer	MT/month	225	LB*LC*LD*30
32	LF	Number of tipper trucks used for transportation of waste	Number	0	Input field
33	LG	Capacity of each tipper trucks	Metric Tons (MT)	0	Input field
34	LH	Total number of trips made by each tipper trucks each day to the disposal site	Trips per day	0	Input field
35	LI	Total quantity of waste collected by tipper trucks	MT/month	0	LF*LG*LH*30
36	LJ	Number of 3 wheeler auto tippers used for transportation of waste	Number	6	Input field
37	LK	Capacity of each 3 wheeler auto tipper	Metric Tons (MT)	0.5	Input field
38	LM	Total number of trips made by each 3 wheeler auto tippers each day to the disposal site	Trips per day	5	Input field
39	LN	Total quantity of waste collected by 3 wheeler auto tippers	MT/month	450	LJ*LK*LM*30
40	LO	Total quantiy of waste collected and transported to disposal site	MT/month	675	KS+KW+LA+LE+LI+LN
	III	EXTENT OF SEGREGATION OF MUNICIPAL SOLID WASTE		-	((LP+LQ)/IF(MH=0,LO,MH))*100
		Segregation of Waste			
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

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	IV	EXTENT OF MUNICIPAL SOLID WASTE RECOVERED		-	(MF/IF(KO=0,LO,KO))*100
		Quantity of Waste Processing			
43	LR	Installed Capacity of Composting Plant	MT/month	0	Input field
44	LS	Waste Quantity Input at the Composting Plant	MT/month	0	Input field
45	LT	Installed Capacity of Vermi-composting Plant	MT/month	0	Input field
46	LU	Waste Quantity Input at the Vermi-composting Plant	MT/month	0	Input field
47	LV	Installed Capacity of Refuse Derived Fuel	MT/month	0	Input field
48	LW	Waste Quantity Input at the Refuse Derived Fuel	MT/month	0	Input field
49	LX	Installed Capacity of Bio Methanation/ Waste-to-Energy Plants	MT/month	0	Input field
50	LY	Waste Quantity Input at Bio methanation/ Waste-to-Energy plants	MT/month	0	Input field
51	LZ	Installed Capacity of any other processing facilities	MT/month	0	Input field
52	MA	Waste Quantity Input at other processing facilities	MT/month	0	LR+LT+LV+LX+LZ
53	MB	Total Installed Capacity of Processing facilities	MT/month	0	LS+LU+LW+LY+MA
54	MC	Total Waste Quantity Input at all types of processing facilities	MT/month	0	Input field
55	MD	Quantity of waste rejected by processing facilities at intake point	MT/month	0	Input field
56	ME	Quantity of post-processing rejects sent to dumpsite/ landfills	MT/month	0	IF(MC<MB,(MC+LQ-MD),(MB+LQ-MD))
57	MF	Total Waste Processed in the ULB			
	V	EXTENT OF SCIENTIFIC DISPOSAL OF MUNICIPAL SOLID WASTE		#DIV/0!	(MG*100/(MG+MH)
		Quantity of Waste Disposal			
58	MG	Quanity of waste disposed in compliant landfill sites	MT/month	0	Input field
59	MH	Quanity of waste disposed in open dump sites	MT/month	0	Input field
				0	
	VI	**EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS**		**95.12**	**(MJ*100/MI)**
		Customer Service			
60	MI	Complaints received during the year	Number	410	Input field
61	MJ	Complaints resolved within 24 hours during the year	Number	390	Input field
	VII	EXTENT OF COST RECOVERY IN SWM SERVICES		-	(NA*100/MR)
		Financial Information - Operational Expenditure on SWM during previous year			
62	MK	Regular Staff & Administration	Rs. In Lakhs	170.25	Input field
63	ML	Outsourced/Contracted Staff Costs	Rs. In Lakhs	90.25	Input field
64	MM	Electricity Charges/Fuel Costs	Rs. In Lakhs	41.1	Input field
65	MN	Chemical Costs	Rs. In Lakhs	1.25	Input field
66	MO	Repair/Maintenance Costs	Rs. In Lakhs	4.45	Input field
67	MP	Contracted Services Cost	Rs. In Lakhs	0	Input field
68	MQ	Other Costs (Specify)	Rs. In Lakhs	0	Input field
69	MR	Total Operational Expenses	Rs. In Lakhs	307.30	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	0	Input field
73	MV	Fixed Charges based on Property Tax/ State Taxes/Cess/Surcharges	Rs. In Lakhs	0	Input field
74	MW	Sale of Recyclables	Rs. In Lakhs	0	Input field
75	MX	Sale from processing - compost/energy	Rs. In Lakhs	0	Input field
76	MY	Royalty	Rs. In Lakhs	0	Input field
77	MZ	Others (Specify)	Rs. In Lakhs	0	Input field
78	NA	Total Revenue Demand Raised for the previous year	Rs. In Lakhs	0	MT+MU+MV+MW+MX+MY+MZ
	VIII	EFFICIENCY IN COLLECTION OF SWM CHARGES		#DIV/0!	(NC*100/NA)
79	**NA**	Total Revenue Demand Raised for the previous year	Rs. In Lakhs	0	NA
80	NB	Collection against arrears	Rs. In Lakhs	0	Input field
81	NC	Collection against Current Demand	Rs. In Lakhs	0	Input field
		Additional Information (Optional)			
		Staff Information			
82	ND	Senior Management-Health Officer (Sanctioned)	Number	0	Input field
83	NE	Senior Management-Health Officer (Working)	Number	0	Input field
84	NF	Sanitary Inspector (Sanctioned)	Number	0	Input field
85	NG	Sanitary Inspector (Working)	Number	0	Input field
86	NH	Sanitary Supervisor (Sanctioned)	Number	0	Input field
87	NI	Sanitary Supervisor (Working)	Number	0	Input field
88	NJ	Maistries/Safai Karam chari (Sanctioned)	Number	55	Input field
89	NK	Maistries/Safai Karam chari (Working)	Number	35	Input field
90	NL	Cleaners/Drivers (Sanctioned)	Number	0	Input field
91	NM	Cleaners/Drivers (Working)	Number	12	Input field
92	NN	Labourers (Sanctioned)	Number	50	Input field
93	NO	Labourers (Working)	Number	45	Input field
94	NP	Others Specify	Number	0	Input field
95	NQ	Total (Sanctioned)	Number	105	ND+NF+NH+NJ+NL+NN
96	NR	Total (Working)	Number	92	NE+NG+NI+NK+NM+NO+NP

97	NS	Are daily records of waste received at compliant landfill maintained (MSW 2000)	Yes/No	NO	Input field
98	NT	Is weighbridge available at landfill site?	Yes/No	NO	Input field
99	NU	Are daily records of waste received at open dumpsites maintained?	Yes/No	NO	Input field
100	NV	Is weighbridge available at dumpsite?	Yes/No	NO	Input field
		SOLID WASTE MANAGEMENT INDICATORS			

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		Indicators	Unit	Result	Reliability
1		Household level coverage of solid waste management services	%	100.0	
2		Efficiency of collection of municipal solid waste	%	100.00	
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	%	95.12	

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		Service Provider Details - Solid Waste Management			
57	ZE	**Name of Town/Utility**		Hasanpur	input field
58	ZF	**Name of the Head of the Department**		Nihal Singh	input field
59	ZG	Designation of the Head of the Department		E.O	input field
60	ZH	Address		Hasanpur	input field
61	ZI	Telephone Number		5924264092	input field
62	ZJ	Mobile Number		9761358216	input field
63	ZK	Fax Number		5924264092	input field
64	ZL	Email ID		npphasanpur86@gmail.com	input field
65	ZM	Website		npphasanpur.com	input field
66	ZN	**Name of the Contact Person**		Nihal Singh	input field
67	ZO	Designation of the Contact Person		E.O	input field
68	ZP	Address		Hasanpur	input field
69	ZQ	Telephone Number		5924264092	input field
70	ZR	Mobile Number		9761358216	input field
71	ZS	Fax Number		5924264092	input field
72	ZT	Email ID		npphasanpur86@gmail.com	input field
73	ZU	Website		npphasanpur.com	input field

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