


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

184- NPP Hasanpur			Value	70 Input fields	
S.No	Code	Input Nomenclature		Logic/Remark	
<b>Demographics</b>					
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	11243	input field
12	XL	Number of Properties (2011)	Number	16275	input field
13	XM	Number of Properties (Present Year)	Number	25	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	Present Town/City Area	Number	10704.90	XC/XQ
19	XS	Population Density (Present Year)	Number	0	input field
20	XT	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
<b>Service Provider Details - Water Supply</b>					
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
<b>Service Provider Details - Sewerage and Drainage</b>					
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



		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
		Email ID		npphasanpur86@gmail.com	input field
64	ZL	Website		npphasanpur.com	input field
65	ZM	Name of the Contact Person		Nihal Singh	input field
66	ZN	Designation of the Contact Person		E.O	input field
67	ZO	Address		Hasanpur	input field
68	2P	Telephone Number		5924264092	input field
69	2Q	Mobile Number		9761358216	input field
70	2R	Fax Number		5924264092	input field
		Email ID		npphasanpur86@gmail.com	input field
72	ZT	Website		npphasanpur.com	input field
73	ZU	Website			

  
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**बनारस अमरोहा**



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

S.No	Code	Input Nomenclature	Value	Logic/Remark
				E3+14 Input fields
	I	COVERAGE OF WATER SUPPLY CONNECTIONS	%	18.14
		<i>Water Service Coverage - Number of Connections</i>		AI*100/XE
1	AA	Domestic Connections (Metered Functional)	Number	0
2	AB	Domestic Connections (Metered Non-Functional)	Number	0
3	AC	Domestic Connections (Unmetered)	Number	2040
4	AD	Domestic connections (Total)	Number	2040
5	AE	Bulk supply Apartments (Metered Functional)	Number	0
6	AF	Bulk supply Apartments (Metered Non-Functional)	Number	0
7	AG	Bulk supply Apartments (Unmetered)	Number	0
8	AH	Bulk supply Apartments (Total)	Number	0
9	AI	Bulk supply Layouts/Societies (Metered Functional)	Number	0
10	AJ	Bulk supply Layouts/Societies (Metered Non-Functional)	Number	0
11	AK	Bulk supply Layouts/Societies (Unmetered)	Number	0
12	AL	Bulk supply Layouts/Societies (Total)	Number	0
13	AM	Others - Specify (Metered Functional)	Number	0
14	AN	Others - Specify (Metered Non-Functional)	Number	0
15	AO	Others - Specify (Unmetered)	Number	0
16	AP	Others - Specify (Total)	Number	0
17	AQ	Total Number of Water Supply Connections	Number	2040
		<i>Water Service Coverage - Households Served</i>		
18	AR	Households served by Domestic Connections	Number	2040
19	AS	Households served by Bulk supply - Apartments	Number	0
20	AT	Households served by Bulk supply - Layouts/Societies	Number	0
21	AU	Total Households served with Water Supply	Number	2040
		<i>*Households served by own sources such as wells, handpumps shall not be included</i>		
	II	PER CAPITA SUPPLY OF WATER	LPCD	95.54
		<i>Water Production Capacity</i>		(BC+BD+BE+BG+BJ)*10*6/XC
22	AV	Installed Capacity of Treatment Plants for Surface Water Sources	MLD	0
23	AW	Volume of water produced through Surface Water Sources	MLD	0
24	AX	Installed Capacity of Treatment Plants for Ground Water Sources	MLD	0
25	AY	Volume of water produced through Ground water (power pumps)	MLD	6.10
26	AZ	Volume of water produced through any Other Sources	MLD	0
27	BA	Total Installed Capacity	MLD	0
28	BB	Total Volume of water produced	MLD	6.10
		<i>Water Consumption</i>		
29	BC	Volume of water billed from Domestic Connections	MLD	5.80
30	BD	Volume of water billed from Bulk supply Apartments	MLD	0
31	BE	Volume of water billed from Bulk supply Layouts/Societies	MLD	0
32	BF	Volume of water billed from Non domestic Connections	MLD	0
33	BG	Volume of water billed from Public taps	MLD	0
34	BH	Volume of water billed from any other sources	MLD	0
35	BI	Total Volume of water billed	MLD	5.80
36	BJ	Total Volume of water unbilled (free supplies to Public taps)	MLD	0.05
37	BK	Total Volume of water unbilled (free connections eg. Religious institutions etc)	MLD	0
	III	EXTENT OF NON REVENUE WATER (NRW)	%	4.92
38	BB	Total Volume of Water Produced	MLD	6.10
39	BI	Total Volume of Water Billed	MLD	5.80
	IV	EXTENT OF METERING OF WATER SUPPLY CONNECTIONS	%	-
40	BL	Non domestic incl. commercial/Indus/Instl. (Metered Functional)	Number	0
41	BM	Non domestic incl. commercial/Indus/Instl. (Metered Non-Functional)	Number	0
42	BN	Non domestic incl. commercial/Indus/Instl. (Unmetered)	Number	0
43	BO	Non domestic incl. commercial/Indus/Instl. (Total)	Number	0
44	BP	Public taps (Metered Functional)	Number	0
45	BQ	Public taps (Metered Non-Functional)	Number	0
46	BR	Public taps (Unmetered)	Number	35
47	BS	Public Taps (Total)	Number	35
48	BT	Total number of metered and functional connections (domestic, bulk supply, others)	Number	0
49	BU	Total number of Water Supply Connections	Number	2075
	V	CONTINUITY OF WATER SUPPLY	Hours per Day	10.00
		<i>Water Supply Frequency</i>		(BW*BV/30)
50	BV	Days of supply per month	Number	30
51	BW	Average duration of each supply	Hours	10.00

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V		EFFICIENCY OF REDRESSAL OF COMPLAINTS	%	100.0	(BY*100/BX)
<i>Consumer Services</i>					
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)
<i>Treated Water Quality Surveillance</i>					
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 year)	Number	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	Number 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+CH+CO
VII		COST RECOVERY IN WATER SUPPLY SERVICES	%	22.79	(DD*100/CY)
<i>Financial Information - Operating Expenses</i>					
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
<i>Financial Information - Operating Revenues</i>					
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
<i>Additional Information (Optional)</i>					
<b>Staff Information</b>					
91	FA	Senior Management (Sanctioned)	Number	0	Input field
92	FB	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+EH+EK+EM
106	EP	Total (Working)	Number	6	EB+ED+EF+EH+EJ+EL+EN
<b>WATER SUPPLY INDICATOR VALUES</b>					
		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		Efficiency 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)
		<i>Saturation Coverage</i>		
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/PW)
		<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 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+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 4.58	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 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)
		<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	%	#DIV/0! (GH*100/GG)
		<i>Consumer Services</i>		
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)
		<i>Financial Information - Annual Operating Expenses</i>		
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	Electricity 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 D&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	GJ+GK+GL+GM+GN+GO
		<i>Financial Information - Annual Operating Revenues</i>		
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



		Additional information (Optional)		
		<b>Staff Information</b>		0
		Senior Management (Sanctioned)	Number	0 Input field
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)	Number	0
		<b>Septage Management</b>		
65	HL	Does the ULB practice septage management	Yes/No	0 Input field
66	HM	Septage sucking machines available within ULB	Number	0 Input field
67	HN	Private Septage machines licensed by ULB	Number	0 Input field
		<b>Connection Costs for Sewerage Connections</b>		
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	Rs	0 Input field
		<b>Sewerage Tariff Structure - Flat Rate Tariff</b>		
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	Rs/Month	0 Input field
		<b>Sewerage Tariff Structure - Volumetric Tariff</b>		
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
		<b>Storm Water Drainage Data</b>		
		COVERAGE OF STORM WATER DRAINAGE NETWORK	%	95.00 IF*100/10
83	ID	Total Length of Road Network	Kilometers	40 Input field
84	IE	Total Length of Pucco covered drains	Kilometers	38 Input field
		<b>INCIDENCE OF WATER LOGGING/FLOODING</b>		
85	IF	Number of Flood Prone Points in the city	Number	0 IF*10
86	IG	Average Frequency of Flooding	Number	0 Input field
		<b>SEWERAGE SERVICE INDICATOR VALUES</b>		
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	%	#DIV/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	%	#DIV/0!	
8	Extent of cost recovery in wastewater management	%	#DIV/0!	
9	Efficiency in collection of sewerage charges	%	#DIV/0!	
		<b>STORM WATER DRAINAGE SERVICE INDICATOR VALUES</b>		
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
		<b>HOUSEHOLD LEVEL COVERAGE OF SOLID WASTE MANAGEMENT SERVICES</b>	100.00	KE*100/(KE+KT)
		<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	11243	Input field
2	KB	Number of Hotels and Restaurants covered by Door to Door Collection	0	Input field
3	KC	Number of Commercial Establishments (Institutions, offices) covered by Door to Door Collection	0	Input field
4	KD	Number of any other establishments (incl. markets) covered by Door to Door Collection	0	Input field
5	KE	Total Number of Households and Establishments covered by Door to Door Collection	11243	KA+KB+KC+KD
			100.00	IF(KO=0,(LO*100/KL),(KO*100/KL))
	II	<b>EFFICIENCY OF COLLECTION OF MUNICIPAL SOLID WASTE</b>		
		<i>Waste Generation</i>		
6	KF	Waste Generated by Households	300	MT/month Input field
7	KG	Waste Generated by Street Sweeping	100	MT/month Input field
8	KH	Waste Generated by Hotels and Restaurants	107	MT/month Input field
9	KI	Waste Generated by Markets (Vegetable Markets, Mandis etc)	118	MT/month Input field
10	KJ	Waste Generated by Commercial Establishments (eg. Institutions, etc)	0	MT/month Input field
11	KK	Waste Generated by other sources (eg. debris, horticulture waste etc)	50	MT/month Input field
12	KL	Total Waste Generated	675	MT/month 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	0	MT/month Input field
14	KN	Quantity of waste received at disposal sites	0	MT/month Input field
15	KO	Total waste received at processing/disposal facility and recycled	0	MT/month KM+KN+LO-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	0	Number Input field
17	KQ	Capacity of each lorries/trucks	0	Metric Tons (MT) Input field
18	KR	Total number of trips made by each lorries/trucks each day to the disposal site	0	Trips per day Input field
19	KS	Total quantity of waste collected by mini lorries/trucks	0	MT/month KP*KQ*KR*30
20	KT	Number of dumper placers used for transportation of waste	0	Number Input field
21	KU	Capacity of each dumper placer	0	Metric Tons (MT) Input field
22	KV	Total number of trips made by each dumper placers each day to the disposal site	0	Trips per day Input field
23	KW	Total quantity of waste collected by dumper placers	0	MT/month KT*KU*KV*30
24	KX	Number of mini lorries used for transportation of waste	0	Number Input field
25	KY	Capacity of each mini lorry	0	Metric Tons (MT) Input field
26	KZ	Total number of trips made by each mini lorries each day to the disposal site	0	Trips per day Input field
27	LA	Total quantity of waste collected by mini lorries	0	MT/month KX*KY*KZ*30
28	LB	Number of tractor trailers used for transportation of waste	5	Number Input field
29	LC	Capacity of each tractor trailer	0.5	Metric Tons (MT) Input field
30	LD	Total number of trips made by each tractor trailer each day to the disposal site	3	Trips per day Input field
31	LE	Total quantity of waste collected by tractor trailer	225	MT/month LB*LC*LD*30
32	LF	Number of tipper trucks used for transportation of waste	0	Number Input field
33	LG	Capacity of each tipper trucks	0	Metric Tons (MT) Input field
34	LH	Total number of trips made by each tipper trucks each day to the disposal site	0	Trips per day Input field
35	LI	Total quantity of waste collected by tipper trucks	0	MT/month LF*LG*LH*30
36	LJ	Number of 3 wheeler auto tippers used for transportation of waste	6	Number Input field
37	LK	Capacity of each 3 wheeler auto tipper	0.5	Metric Tons (MT) Input field
38	LM	Total number of trips made by each 3 wheeler auto tippers each day to the disposal site	5	Trips per day Input field
39	LN	Total quantity of waste collected by 3 wheeler auto tippers	450	MT/month LJ*LK*LM*30
40	LO	Total quantity of waste collected and transported to disposal site	675	MT/month KS+KW+LA+LE+LI+LN
				[(LP+LQ)]/IF(MH=0,LO,MH))*100
	III	<b>EXTENT OF SEGREGATION OF MUNICIPAL SOLID WASTE</b>		
		<i>Segregation of Waste</i>		
41	LP	Quantity of waste arriving at Processing/ Disposal facility in segregated manner	0	MT/month Input field
42	LQ	Quantity of waste taken away by recyclers from intermediate points	0	MT/month Input field


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IV EXTENT OF MUNICIPAL SOLID WASTE RECOVERED				(MF/IF(KO=0,LQ,KD))*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 Input field
53	MB	Total Installed Capacity of Processing facilities	MT/month	0 LR+LT+(LV+LX+LZ)
54	MC	Total Waste Quantity Input at all types of processing facilities	MT/month	0 LS+LU+LW+LY+MA
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 Input field
57	MF	Total Waste Processed in the ULB	MT/month	0 IF(MC=MB,(MCHQ-MD),(MB+LQ-MD))
V EXTENT OF SCIENTIFIC DISPOSAL OF MUNICIPAL SOLID WASTE				#DIV/0! (MG*100/(MG+MH))
Quantity of Waste Disposal				
58	MG	Quantity of waste disposed in compliant landfill sites	MT/month	0 Input field
59	MH	Quantity of waste disposed in open dump sites	MT/month	0 Input field
VI EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS				95.12 (MI*100/MJ)
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+NI+NL+NN
96	NR	Total (Working)	Number	92 NE+NG+NI+NK+NM+NO+NP
97	NS	Are daily records of waste received in 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				



	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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