

Service Level Benchmarking - General Information of City

NN Bareilly

S.No	Code	Input Nomenclature	Value	70 input fields Logic/Remark
Demographics				
1	XA	Population (Census 2011)	Persons 720035	input field
2	XB	Decadal Growth Rate of the City	% 36.32	input field
3	XC	Population (Present Year)	Persons 981550	function of XA
4	XD	Number of Households (Census 2011)	Number 67000	input field
5	XE	Number of Households (Present Year)	Number 141590	function of XD
6	XF	Family Size (Census 2011)	Persons 11	XA/XD
7	XG	Family Size (Present Year)	Persons 7	XC/XE
8	XH	Number of Slums (2011)	Number 85	input field
9	XI	Number of Slums (Present Year)	Number 85	input field
10	XJ	Number of Slum Households (2011)	Number 10050	input field
11	XK	Number of Slum Households (Present Year)	Number 31850	input field
12	XL	Number of Properties (2011)	Number 67000	input field
13	XM	Number of Properties (Present Year)	Number 142846	input field
14	XN	Number of Election Wards (2011)	Number 60	input field
15	XO	Number of Election Wards (Present Year)	Number 80	input field
16	XP	Town/City Area (Census 2011)	sq.km 106.42	input field
17	XQ	Present Town/City Area	sq.km 106.42	input field
18	XR	Population Density (Present Year)	Number 9223.36	XC/XQ
19	XS	Number of Commercial and other establishments (offices, institutions, markets, Hotels and Restaurants (Year 2011))	Number N.D	input field
20	XT	Number of Commercial and other establishments (offices, institutions, markets, Hotels and Restaurants)(Present Year)	Number 7634	input field
Service Provider Details - Water Supply				
21	XU	Name of Town/City	Bareilly	input field
22	XV	Name of the Department/Unit	Jalkal Department	input field
23	XW	Name of the Head of Department/Unit	Mr. Sanjeev Pradhan	input field
24	XX	Designation of the Department Head	General Manager (incharge)	input field
25	XY	Address	Nagar Nigam, Bareilly	input field
26	XZ	Telephone Number	0581-2572557	input field
27	YA	Mobile Number	-	input field
28	YB	Fax Number	0581-2550074	input field
29	YC	Email	gmjalkalbly@gmail.com	input field
30	YD	Website	www.nagarnigambareilly.com	input field
31	YE	Name of the Contact Person	Mr. Tarkeshwar Pandey	input field
32	YF	Designation of the contact person	Asst. Engineer	input field
33	YG	Address	Nagar Nigam, Bareilly	input field
34	YH	Telephone Number	0581-2572557	input field
35	YI	Mobile Number	7055519611	input field
36	YJ	Fax Number	0581-2550074	input field
37	YK	Email	gmjalkalbly@gmail.com	input field
38	YL	Website	www.nagarnigambareilly.com	input field
Service Provider Details - Sewerage and Drainage				
39	YM	Name of Town/ City	Bareilly	input field
40	YN	Name of the Department/Unit	Jalkal Department	input field
41	YO	Name of the Head of Department/Unit	Mr. Sanjeev Pradhan	input field
42	YP	Designation of the Department Head	General Manager (incharge)	input field
43	YQ	Address	Nagar Nigam, Bareilly	input field
44	YR	Telephone Number	0581-2572557	input field
45	YS	Mobile Number	-	input field
46	YT	Fax Number	gmjalkalbly@gmail.com	input field
47	YU	Email	0581-2550074	input field
48	YV	Website	www.nagarnigambareilly.com	input field
49	YW	Name of the Contact Person	Mr. P.C.Arya	input field
50	YX	Designation of the contact person	Junior Engineer	input field
51	YY	Address	Jalkal Department	input field
52	YZ	Telephone Number	0581-2572557	input field
53	ZA	Mobile Number	7055519612	input field
54	ZB	Fax Number	0581-2550074	input field
55	ZC	Email ID	pcarya1970@gmail.com	input field
56	ZD	Website	www.nagarnigambareilly.com	input field
Service Provider Details - Solid Waste Management				
57	ZE	Name of Town/Utility	Bareilly	input field
58	ZF	Name of the Head of the Department	Mr. Rajesh Kumar Srivastav	input field
59	ZG	Designation of the Head of the Department	Municipal Commissioner	input field
60	ZH	Address	Nagar Nigam Bareilly	input field


नगर स्वास्थ्य अधिकारी
नगर निगम, बरेली


सहायक अभियन्ता
जल-कल विभाग

अवर अभियन्ता (जल)
नगर निगम बरेली


SLB under 14th FC 2016
DIRECTORATE OF URBAN LOCAL BODIES, UP

61	ZI	Telephone Number		0581-2550074	input field
62	ZJ	Mobile Number		7055672200	input field
63	ZK	Fax Number		0581-2550074	input field
64	ZL	Email ID		bareillynagarnigam@gmail.com	input field
65	ZM	Website		www.nagarnigambareilly.com	input field
66	ZN	Name of the Contact Person		Dr. Ashok Kumar	input field
67	ZO	Designation of the Contact Person		Health Officer	input field
68	ZP	Address		Nagar Nigam Bareilly	input field
69	ZQ	Telephone Number		-	input field
70	ZR	Mobile Number		7055519607	input field
71	ZS	Fax Number		0581-2550074	input field
72	ZT	Email ID		-	input field
73	ZU	Website		www.nagarnigambareilly.com	input field


नगर स्वास्थ्य अधिकारी
नगर निगम, बरेली


3-7-18

सहायक अभियन्ता
जल-कल विभाग


31/07/18
अवर अभियन्ता (जल)
नगर निगम बरेली

SLB under 14th FC 2016
DIRECTORATE OF URBAN LOCAL BODIES, UP
Service Level Benchmarking - Water Supply Data

NN Bareilly

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>		49.5	AI*100/XE
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	70054	Input field
4	AD	Domestic connections (Total)	Number	70054	(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	70054	(AD+AH+AL+AP)
		<i>Water Service Coverage - Households Served</i>			
18	AR	Households served by Domestic Connections	Number	70054	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	70054	AR+AS+AT
		<i>*Households served by own sources such as wells, handpumps shall not be included</i>			
		II PER CAPITA SUPPLY OF WATER	LPCD	106.57	(BG+BD+BE+BF+BG+BJ)*10 ⁶ /XC
		<i>Water Production Capacity</i>			
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	138	Input field
25	AY	Volume of water produced through Ground water (power pumps)	MLD	128	Input field
26	AZ	Volume of water produced through any Other Sources	MLD	18	Input field
27	BA	Total Installed Capacity	MLD	138	AV+AX
28	BB	Total Volume of water produced	MLD	146	AW+AY+AZ
		<i>Water Consumption</i>			
29	BC	Volume of water billed from Domestic Connections	MLD	104	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	2	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	106	BC+BD+BE+BF+BG+BH
36	BJ	Total Volume of water unbilled (free supplies to Public taps)	MLD	0.6	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)	%	27.40	(BB-BI)*100/BB
38	BB	Total Volume of Water Produced	MLD	146	BB
39	BI	Total Volume of Water Billed	MLD	106	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	933	Input field
43	BO	Non domestic incl. commercial/Indus/Instl. (Total)	Number	933	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	562	Input field
47	BS	Public Taps (Total)	Number	562	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	71549	AQ+BO+BS
		IV CONTINUITY OF WATER SUPPLY	Hours per Day	8.00	(BW*BV/30)
		<i>Water Supply Frequency</i>			
50	BV	Days of supply per month	Number	30	Input field
51	BW	Average duration of each supply	Hours	8	Input field
		V EFFICIENCY OF REDRESSAL OF COMPLAINTS	%	84.1	(BY*100/BX)
		<i>Consumer Services</i>			
52	BX	Complaints received during the year	Number	1825	Input field
53	BY	Complaints resolved within 24 hours during the year	Number	1535	Input field

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3-7-18

सहायक अभियन्ता
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अवर अभियन्ता (जल)
नगर निगम बरेली

VI QUALITY OF WATER SUPPLIED				
Treated Water Quality Surveillance				
			98.88	(DD+DD)/CF
54	CA	(year)		
55	CB	Residual Chlorine - No. of Samples taken at intermediate points (in a year)	Number	0
56	CC	Residual Chlorine - No. of Samples taken at consumer end (in a year)	Number	2095
57	CD	Total Samples taken for Residual Chlorine tests	Number	2535
58	CE	Number of Samples Passed	Number	3650
59	CF	(year)	Number	3646
60	CG	Physical Chemical - No. of Samples taken at intermediate points (in a year)	Number	0
61	CH	Physical Chemical - No. of Samples taken at consumer end (in a year)	Number	0
62	CI	Total Samples taken for Physical and Chemical tests	Number	0
63	CJ	Number of Samples Passed	Number	0
64	CK	Bacteriological - No. of Samples taken at the outlet of Water Treatment Plant (in a year)	Number	0
65	CL	Bacteriological - No. of Samples taken at intermediate points (in a year)	Number	22
66	CM	Bacteriological - No. of Samples taken at consumer end (in a year)	Number	50
67	CN	Total Samples taken for Bacteriological tests	Number	72
68	CO	Number of Samples Passed	Number	72
69	CP	Total Number of Samples taken for all types of tests	Number	3722
70	CQ	Total Tests Passed	Number	3718
VII COST RECOVERY IN WATER SUPPLY SERVICES				
Financial Information - Operating Expenses				
			%	90.07
71	CR	Regular Staff and administration	Rs. Lakhs	425.00
72	CS	Outsourced Contract Staff Costs	Rs. Lakhs	54.00
73	CT	Electricity Charges/Fuel Costs	Rs. Lakhs	1543.00
74	CU	Chemical Costs	Rs. Lakhs	10.00
75	CV	Repairs/Maintenance Costs	Rs. Lakhs	120.00
76	CW	Bulk (Raw/Treated) Water Charges	Rs. Lakhs	0.00
77	CX	Other Costs	Rs. Lakhs	0.00
78	CY	Total Operating Expenditure	Rs. Lakhs	2152.00
Financial Information - Operating Revenues				
79	CZ	Arrears at the beginning of previous year (2016-17)	Rs. Lakhs	179.20
80	DA	Revenue demand from user charges	Rs. Lakhs	170.00
81	DB	Revenue demand from tax cess - Water Service only	Rs. Lakhs	1760.35
82	DC	Revenue demand from other revenues (eg. connection costs/Donations etc)	Rs. Lakhs	8.00
83	DD	Total Revenue Demand for previous year	Rs. Lakhs	1938.35
VIII COLLECTION EFFICIENCY OF WATER SUPPLY RELATED CHARGES				
			%	91.21
84	DD	Total Revenue Demand for previous year (from user charges, taxes etc)	Rs. Lakhs	1938.35
85	DE	Collection against arrears (2017-18)	Rs. Lakhs	166.00
86	DF	Collection against the current demand of previous year (2016-17)	Rs. Lakhs	1768.05
Additional Information (Optional)				
Staff Information				
91	EA	Senior Management (Sanctioned)	Number	1
92	EB	Senior Management (Working)	Number	1
93	EC	Engineers (Sanctioned)	Number	5
94	ED	Engineers (Working)	Number	3
95	EE	Clerks/Accountants (Sanctioned)	Number	11
96	EF	Clerks/Accountants (Working)	Number	9
97	EG	Work Inspectors/Meter Readers (Sanctioned)	Number	0
98	EH	Work Inspectors/Meter Readers (Working)	Number	1
99	EI	Electricians/Fitters (Sanctioned)	Number	8
100	EJ	Electricians/Fitters (Working)	Number	5
101	EK	Lines men/plumbers (Sanctioned)	Number	0
102	EL	Lines men/plumbers (Working)	Number	0
103	EM	Labourers (Sanctioned)	Number	132
104	EN	Labourers (Working)	Number	113
105	EO	Total (Sanctioned)	Number	157
106	EP	Total (Working)	Number	132
WATER SUPPLY INDICATOR VALUES				
		Indicator	Unit	Value
1		Coverage of water supply connections	%	49.5
2		Per capita available of water at consumer end	Lpcd	106.6
3		Extent of metering of water connections	%	0.0
4		Extent of Non Revenue Water	%	27.4
5		Continuity of water supply	Hours/Day	8.0
6		Efficiency in redressal of customer complaints	%	84.1
7		Quality of water supplied	%	99.9
8		Cost recovery in water supply services	%	90.1
9		Efficiency in collection of water supply related charges	%	91.2

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3-7-18

सहायक अभियन्ता
जल-कल विभाग


31/07/18

अवर अभियन्ता (जल)
नगर निगम बरेली

SIB under 14th FC 2016
DIRECTORATE OF URBAN LOCAL BODIES, UP
Service Level Benchmarking - Sewerage and Drainage

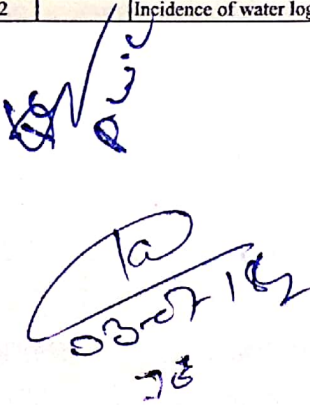
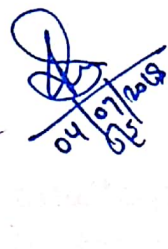
NN Bareilly

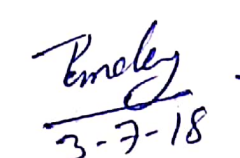
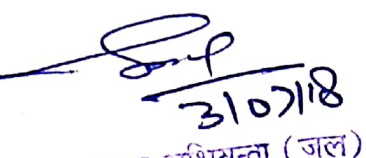
S.No	Code	Input Nomenclature		Value	Logic/Remark
					31+26 input fields
	I	COVERAGE OF TOILETS		92.8	(TC*100/XM)
		<i>Sanitation Coverage</i>			
1	XM	Total Number of Properties in the City	Number	142846	XM
2	FA	Properties with toilets	Number	140950	Input field
3	FB	Households dependent on functional community toilets	Number	1630	Input field
4	FC	Total Number of Properties with access to toilets	Number	142580	FA+FB
	II	COVERAGE OF SEWAGE NETWORK SERVICES		42.22	(FD*100/XM)
5	XM	Total Number of Properties in the City	Number	142846	XM
6	FD	Properties with sewer connections	Number	60312	Input field
7	FE	Properties with onsite sanitary disposal	Number	82523	Input field
	III	COLLECTION EFFICIENCY OF SEWAGE NETWORK		0.00	(FZ*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	104	BC
9	FG	Volume of water consumed and billed from Bulk supply - Apartments	MLD	0	BD
10	FH	Volume of water consumed and billed from Bulk supply - Layouts/Societies	MLD	0	BE
11	FI	Volume of water consumed and billed from Non domestic Connections	MLD	2	BF
12	FJ	Volume of water consumed (both billed and unbilled) from Public taps	MLD	0.6	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	0	Input field
16	FN	Total Water Consumption (billed and unbilled) from ULB and Non ULB sources)	MLD	106.6	FF+FG+FH+FI+FJ+FK+FL+FM
17	FO	Volume of waste water generated from Domestic Water Consumption	MLD	83.2	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	1.6	0.80*FI
21	FS	Volume of waste water generated from Public Tap Water Consumption	MLD	0.48	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	85.28	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		0.00	(GC*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	85.28	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	FZ
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		81.10	(GH*100/GP)
		<i>Consumer Services</i>			
37	GG	Sewage related Complaints received during the year	Number	1598	Input field
38	GH	Sewage related Complaints resolved within 24 hours during the year	Number	1296	Input field
	VIII	EXTENT OF COST RECOVERY IN SEWAGE MANAGEMENT		76.2	(GU*100/GP)
		<i>Financial Information - Annual Operating Expenses</i>			
39	GI	Regular Staff and Administration	Rs. Lakhs	230.00	Input field
40	GJ	Outsourced /Contract Staff Costs	Rs. Lakhs	37.00	Input field
41	GK	Electricity Charges /Fuel Costs	Rs. Lakhs	60.00	Input field
42	GL	Chemicals Costs	Rs. Lakhs	0.00	Input field
43	GM	Repairs/Maintenance Costs	Rs. Lakhs	79.00	Input field
44	GN	Contractor Costs for O&M	Rs. Lakhs	10.00	Input field
45	GO	Others (Specify)	Rs. Lakhs	0.00	Input field
46	GP	Total Annual Operating Expenses	Rs. Lakhs	416.00	GI+GJ+GK+GL+GM+GN+GO
		<i>Financial Information - Annual Operating Revenues</i>			
47	GQ	Arrears at the beginning of previous year (2016-17)	Rs. Lakhs	63.00	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	311.00	Input field
50	GT	Revenue demand from other sources (eg. connection costs/donations etc.)	Rs. Lakhs	6.00	Input field
51	GU	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	317.00	GR+GS+GT
	IX	EFFICIENCY IN COLLECTION OF SEWAGE CHARGES		83.1	(GW*100/GU)
52	GU	Total Revenue Demand of the previous year (Current Demand of previous year)	Rs. Lakhs	317.00	GU
53	GV	Collection against arrears (2014-15)	Rs. Lakhs	58.00	Input field
54	GW	Collection against current demand (2015-16)	Rs. Lakhs	263.30	Input field


 3-7-18
 सहायक अभियन्ता
 जल-कल विभाग
 अवर अभियन्ता (जल)
 नगर निगम बरेली

SLB under 14th FC 2016
DIRECTORATE OF URBAN LOCAL BODIES, UP

Additional Information (Optional)				
Staff Information				
55	HA	Senior Management (Sanctioned)		
56	HB	Senior Management (Working)	Number	0
57	HC	Engineers (Sanctioned)	Number	0
58	HD	Engineers (Working)	Number	2
59	HE	Clerks/Accountants (Sanctioned)	Number	0
60	HF	Clerks/Accountants (Working)	Number	1
61	HG	Labourers/Cleaners (Sanctioned)	Number	1
62	HH	Labourers/Cleaners (Working)	Number	66
63	HI	Total (Sanctioned)	Number	55
64	HJ	Total (Working)	Number	69
Septage Management				
65	HL	Does the ULB practice septage management	Yes/No	Yes
66	HM	Septage sucking machines available within ULB	Number	3
67	HN	Private Septage machines licenced by ULB	Number	1
Connection Costs for Sewerage Connections				
68	HO	Residential - General	Rs	775
69	HP	Residential - Urban Poor	Rs	775
70	HQ	Institutional	Rs	5582
71	HR	Commercial	Rs	5582
72	HS	Industrial	Rs	10373
Sewerage Tariff Structure - Flat Rate Tariff				
73	HT	Residential - General	Rs./Month	2.5% of ARV
74	HU	Residential - Urban Poor	Rs./Month	2.5% of ARV
75	HV	Institutional	Rs./Month	2.5% of ARV
76	HW	Commercial	Rs./Month	2.5% of ARV
77	HX	Industrial	Rs./Month	2.5% of ARV
Sewerage Tariff Structure - Volumetric Tariff				
78	HY	Residential - General	Rs./KL	0
79	HZ	Residential - Urban Poor	Rs./KL	0
80	IA	Institutional	Rs./KL	0
81	IB	Commercial	Rs./KL	0
82	IC	Industrial	Rs./KL	0
Storm Water Drainage Data				
I COVERAGE OF STORM WATER DRAINAGE NETWORK				
83	ID	Total Length of Road Network	Kilometers	1080.93
84	IE	Total Length of Pucca covered drains	Kilometers	661.22
II INCIDENCE OF WATER LOGGING/FLOODING				
85	IF	Number of Flood Prone Points in the city	Number	11
86	IG	Average Frequency of Flooding	Number	3
SEWERAGE SERVICE INDICATOR VALUES				
S.No.	Indicator	Unit	Value	Reliability
1	Coverage of Toilets	%	99.8	
2	Coverage of wastewater network services	%	42.2	
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	%	81.1	
8	Extent of cost recovery in wastewater management	%	76.2	
9	Efficiency in collection of sewerage charges	%	83.1	
STORM WATER DRAINAGE SERVICE INDICATOR VALUES				
S.No.	Indicator	Unit	Value	Reliability
1	Coverage of Storm Water Drainage Network	%	61	
2	Incidence of water logging/flooding	Number	33	

 सहायक अभियन्ता
 जल-कल विभाग
 अवर अभियन्ता (जल)
 नगर निगम बरेली

NN Bareilly				
S.No	Code	Input Nomenclature	Value	Logic/Remark
		I HOUSEHOLD LEVEL COVERAGE OF SOLID WASTE MANAGEMENT SERVICES		
		Door to Door Collection - Number of HHs and establishments covered by Door to Door Collection	103.78	65×17 Input fields $K \times 100 / (X + Y)$
1	KA	Number of Households covered by Door to Door Collection		
2	KB	Number of Hotels and Restaurants covered by Door to Door Collection	144047	Input field
3	KC	Number of Commercial Establishments (institutions, offices) covered by Door to Door Collection	175	Input field
4	KD	Number of any other establishments (incl. markets) covered by Door to Door Collection	235	Input field
5	KE	Total Number of Households and Establishments covered by Door to Door Collection	10378	Input field
			154835	$KA + KB + KC + KD$
		II EFFICIENCY OF COLLECTION OF MUNICIPAL SOLID WASTE		
		Waste Generation	100.00	$I / (KO + 0.10) + 100 / (KI + KO + 100 / KI)$
6	KF	Waste Generated by Households		
7	KG	Waste Generated by Street Sweeping	7151	Input field
8	KH	Waste Generated by Hotels and Restaurants	2592	Input field
9	KI	Waste Generated by Markets (Vegetable Markets, Mandis etc)	1736	Input field
10	KJ	Waste Generated by Commercial Establishments (eg. Institutions, etc)	1351	Input field
11	KK	Waste Generated by other sources (eg. debris, horticulture waste etc)	763	Input field
12	KL	Total Waste Generated	14929	$KF + KG + KH + KI + KJ + KK$
		Waste Collection and Transportation - Details of waste received at Processing/ Disposal Facilities		
13	KM	Quantity of waste received at processing and recycling facilities		Input field
14	KN	Quantity of waste received at disposal sites	14929	Input field
15	KO	Total waste received at processing/disposal facility and recycled	14929	$KM + KN + LQ - ME$
		Waste Collection and Transportation - Details of waste transported to Processing/ Disposal Facilities		
16	KP	Number of lorries/trucks used for transportation of waste	4	Input field
17	KQ	Capacity of each lorries/trucks	8.5	Input field
18	KR	Total number of trips made by each lorries/trucks each day to the disposal site	3	Input field
19	KS	Total quantity of waste collected by mini lorries/trucks	3060	$KP * KQ * KR * 30$
20	KT	Number of dumper placers used for transportation of waste	8	Input field
21	KU	Capacity of each dumper placer	3.5	Input field
22	KV	Total number of trips made by each dumper placers each day to the disposal site	4	Input field
23	KW	Total quantity of waste collected by dumper placers	3360	$KT * KU * KV * 30$
24	KX	Number of mini lorries used for transportation of waste	0	Input field
25	KY	Capacity of each mini lorry	0	Input field
26	KZ	Total number of trips made by each mini lorries each day to the disposal site	0	Input field
27	LA	Total quantity of waste collected by mini lorries	0	$KX * KY * KZ * 30$
28	LB	Number of tractor trailers used for transportation of waste	34	Input field
29	LC	Capacity of each tractor trailer	1.5	Input field
30	LD	Total number of trips made by each tractor trailer each day to the disposal site	4	Input field
31	LE	Total quantity of waste collected by tractor trailer	6120	$LB * LC * LD * 30$
32	LF	Number of tipper trucks used for transportation of waste	10	Input field
33	LG	Capacity of each tipper trucks	2	Input field
34	LH	Total number of trips made by each tipper trucks each day to the disposal site	4	Input field
35	LI	Total quantity of waste collected by tipper trucks	2400	$LF * LG * LH * 30$
36	LJ	Number of 3 wheeler auto tippers used for transportation of waste	41	Input field
37	LK	Capacity of each 3 wheeler auto tipper	0.3	Input field
38	LM	Total number of trips made by each 3 wheeler auto tippers each day to the disposal site	0	Input field
39	LN	Total quantity of waste collected by 3 wheeler auto tippers	0	$LJ * LK * LM * 30$
40	LO	Total quantity of waste collected and transported to disposal site	14940	$KS + KW + LA + LE + LJ + LN$
		III EXTENT OF SEGREGATION OF MUNICIPAL SOLID WASTE		$((LP + LQ) / (MH + 0.10, MH)) * 100$
		Segregation of Waste		
41	LP	Quantity of waste arriving at Processing/ Disposal facility in segregated manner	0	Input field
42	LQ	Quantity of waste taken away by recyclers from intermediate points	0	Input field
		IV EXTENT OF MUNICIPAL SOLID WASTE RECOVERED		$(MF / (KO + 0.10, KO)) * 100$
		Quantity of Waste Processing		
43	LR	Installed Capacity of Composting Plant	0	Input field
44	LS	Waste Quantity Input at the Composting Plant	0	Input field
45	LT	Installed Capacity of Vermi-composting Plant	0	Input field
46	LU	Waste Quantity Input at the Vermi-composting Plant	0	Input field
47	LV	Installed Capacity of Refuse Derived Fuel	0	Input field
48	LW	Waste Quantity Input at the Refuse Derived Fuel	0	Input field
49	LX	Installed Capacity of Bio Methanation/ Waste-to-Energy Plants	0	Input field
50	LY	Waste Quantity Input at Bio methanation/ Waste-to-Energy plants	0	Input field
51	LZ	Installed Capacity of any other processing facilities	0	Input field
52	MA	Waste Quantity Input at other processing facilities	0	Input field
53	MB	Total Installed Capacity of Processing facilities	0	$LR + LT + LV + LX + LZ$
54	MC	Total Waste Quantity Input at all types of processing facilities	0	$LS + LU + LW + LY + MA$
55	MD	Quantity of waste rejected by processing facilities at intake point	0	Input field
56	ME	Quantity of post-processing rejects sent to dumpsite/ landfills	0	Input field
57	MF	Total Waste Processed in the ULB	0	$IF(MC < MB, (MC + LQ - MD), (MB + LQ - MD))$
		V EXTENT OF SCIENTIFIC DISPOSAL OF MUNICIPAL SOLID WASTE		$(MG * 100) / (MG + MH)$
		Quantity of Waste Disposal		
58	MG	Quantity of waste disposed in compliant landfill sites	0	Input field
59	MH	Quantity of waste disposed in open dump sites	14934	Input field
			93.93	$(MI * 100) / (MI)$
		VI EFFICIENCY IN REDRESSAL OF CUSTOMER COMPLAINTS		
		Customer Service		
60	MI	Complaints received during the year	750	Input field
61	MJ	Complaints resolved within 24 hours during the year	742	Input field

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VII EXTENT OF COST RECOVERY IN SWM SERVICES				#DIV/0!	(RC*100/NA)
Financial Information - Operational Expenditure on SWM during previous year					
62	MK	Regular Staff & Administration	Rx In Lakhs	5088.84	Input field
63	ML	Outsourced/Contracted Staff Costs	Rx In Lakhs	211.1	Input field
64	MM	Electricity Charges/Fuel Costs	Rx In Lakhs	500	Input field
65	MN	Chemical Costs	Rx In Lakhs	10	Input field
66	MO	Repair/Maintenance Costs	Rx In Lakhs	40	Input field
67	MP	Contracted Services Cost	Rx In Lakhs	0	Input field
68	MQ	Other Costs (Specify)	Rx In Lakhs	0	Input field
69	MR	Total Operational Expenses	Rx In Lakhs	6760.14	MR*(MK+ML+MM+MN+MO+MP+MQ)
Financial Information - Operational Revenues from SWM during previous year					
70	MS	Arrears at the beginning of previous year (2015-16)	Rx In Lakhs	0	Input field
71	MT	Tax / Cess - Solid Waste only	Rx In Lakhs	0	Input field
72	MU	User Charges	Rx In Lakhs	0	Input field
73	MV	Fixed Charges based on Property Tax/State Taxes/Cess/Surcharges	Rx In Lakhs	0	Input field
74	MW	Sale of Recyclables	Rx In Lakhs	0	Input field
75	MX	Sale from processing - compost/energy	Rx In Lakhs	0	Input field
76	MY	Royalty	Rx In Lakhs	0	Input field
77	MZ	Others (Specify)	Rx In Lakhs	0	Input field
78	NA	Total Revenue Demand of the previous year (Current Demand of previous year)	Rx In Lakhs	0	MT+MU+MV+MW+MX+MY+MZ
VIII EFFICIENCY IN COLLECTION OF SWM CHARGES					
79	NA	Total Revenue Demand of the previous year (Current Demand of previous year)	Rx In Lakhs	0	NA
80	NB	Collection against arrears (2014-15)	Rx In Lakhs	0	Input field
81	NC	Collection against Current Demand (2015-16)	Rx In Lakhs	0	Input field
Additional Information (Optional)					
Staff Information					
82	ND	Senior Management-Health Officer (Sanctioned)	Number	1	Input field
83	NE	Senior Management-Health Officer (Working)	Number	1	Input field
84	NF	Sanitary Inspector (Sanctioned)	Number	10	Input field
85	NG	Sanitary Inspector (Working)	Number	6	Input field
86	NH	Sanitary Supervisor (Sanctioned)	Number	48	Input field
87	NI	Sanitary Supervisor (Working)	Number	25	Input field
88	NJ	Maistries/Safai Karam chari (Sanctioned)	Number	1812	Input field
89	NK	Maistries/Safai Karam chari (Working)	Number	1318	Input field
90	NL	Cleaners/Drivers (Sanctioned)	Number	25	Input field
91	NM	Cleaners/Drivers (Working)	Number	24	Input field
92	NN	Labourers (Sanctioned)	Number	0	Input field
93	NO	Labourers (Working)	Number	0	Input field
94	NP	Others Specify	Number	6.35	Input field
95	NQ	Total (Sanctioned)	Number	1896	ND+NE+NF+NI+NL+NN
96	NR	Total (Working)	Number	2009	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				
Indicators				
		Unit	Result	Reliability
1	Household level coverage of solid waste management services	%	103.8	
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	%	0.0	
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	%	98.9	

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