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Assessment of Domestic Pollution Load from Urban Agglomeration in Ganga Basin: *Yamuna Sub-Basin*

GRBMP: Ganga River Basin Management Plan

by

Indian Institutes of Technology



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Preface

In exercise of the powers conferred by sub-sections (1) and (3) of Section 3 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government has constituted National Ganga River Basin Authority (NGRBA) as a planning, financing, monitoring and coordinating authority for strengthening the collective efforts of the Central and State Government for effective abatement of pollution and conservation of the river Ganga. One of the important functions of the NGRBA is to prepare and implement a Ganga River Basin Management Plan (GRBMP).

A Consortium of 7 Indian Institute of Technology (IIT) has been given the responsibility of preparing Ganga River Basin Management Plan (GRBMP) by the Ministry of Environment and Forests (MoEF), GOI, New Delhi. Memorandum of Agreement (MoA) has been signed between 7 IITs (Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and MoEF for this purpose on July 6, 2010.

This report is one of the many reports prepared by IITs to describe the strategy, information, methodology, analysis and suggestions and recommendations in developing Ganga River Basin Management Plan (GRBMP). The overall Frame Work for documentation of GRBMP and Indexing of Reports is presented on the inside cover page.

There are two aspects to the development of GRBMP. Dedicated people spent hours discussing concerns, issues and potential solutions to problems. This dedication leads to the preparation of reports that hope to articulate the outcome of the dialog in a way that is useful. Many people contributed to the preparation of this report directly or indirectly. This report is therefore truly a collective effort that reflects the cooperation of many, particularly those who are members of the IIT Team. A list of persons who have contributed directly and names of those who have taken lead in preparing this report is given on the reverse side.

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1. Introduction

River Yamuna, the largest tributary (1,376 km) of river Ganga, originates from Yamunotri glacier at Bandar Punch in the region of Mussourie range at 6,387 m above mean sea-level (msl), in the lower Himalayas. After flowing through the Sivaliks, river Yamuna emerges on the plains near Tajewala at 370 m (msl). The river then flows south-west to southwards for 224 km to enter the National Capital Territory of Delhi at 215 m (msl). After meandering through Delhi for about 22 km to Okhla, the river continues southwards for 272 km to Agra (146 m msl) and then turns south-east until its confluence with the River Ganga at Allahabad (100 m msl). All along its 1,170 km flow through the Gangetic plain, the average slope of the river bed decreases from about 0.56 m/km between Tajewala and Delhi to less than 20 cm/km between Delhi and Agra before becoming less than 5 cm/km thereafter, merging with the Ganges at Allahabad (Gopal and Sah, 1993). It has a total catchment area of 366,223 km². The total catchment basin of the river Yamuna is 42.5% of the Ganga basin and 11% of the total geographical landmass of the country (Gopal and Sah, 1993). Yamuna flows through the states of Delhi, Haryana and Uttar Pradesh. The total catchment area of the river Yamuna lies in the states of Uttarakhand, Uttar Pradesh, Himachal Pradesh, Haryana, Rajasthan, Madhya Pradesh and Delhi. The statewise percent categorization of the Yamuna basin area are represented in Table 1. Major sub-basins under Yamuna basin is illustrated in Figure 1 while state-wise contribution in the basin is presented in Figure 2.

Table 1: State-wise Distribution of the Yamuna River Basin Area

State/ Union Territory	Total Geographical Area (sq. km)	Yamuna Catchment Area in the State (sq. km)	Percentage of the Basin Area lying in the State*
Uttarakhand	53,483	3,771	1.1
Uttar Pradesh	243,286	70,437	20.4
Himachal Pradesh	55,673	5,799	1.7
Haryana	44,212	21,265	6.2
Rajasthan	342,239	102,883	29.7
Madhya Pradesh	308,245	140,208	40.5
Delhi	1,484	1,484	0.4
Total		345,847	100

*Misra and Mishra, 2014

Based on the hydrological and geo-morphological information river Yamuna can be differentiated into 5 sub stretches (CPCB, 2006):

- a) Himalayan stretch From origin to Tajewala barrage (172 kms.) (YR₁)
- b) Upper stretch Tajewala barrage to Wazirabad barrage (224 kms.) (YR₂)
- c) Delhi stretch Wazirabad barrage to Okhla barrage (22 kms.) (YR₃)
- d) Eutrophic stretch Okhla barrage to Chambal confluence (490 kms.) (YR₄)
- e) Diluted stretch Chambal confluence to Ganga confluence (468 kms.) (YR₅)

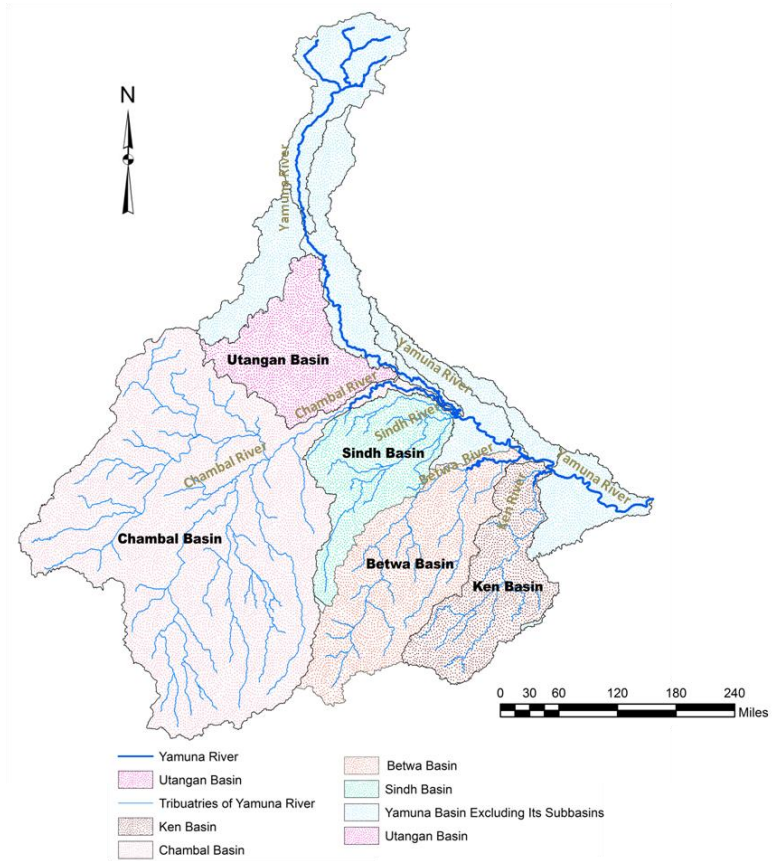


Figure 1: Major Sub-Basins under Yamuna River Basin

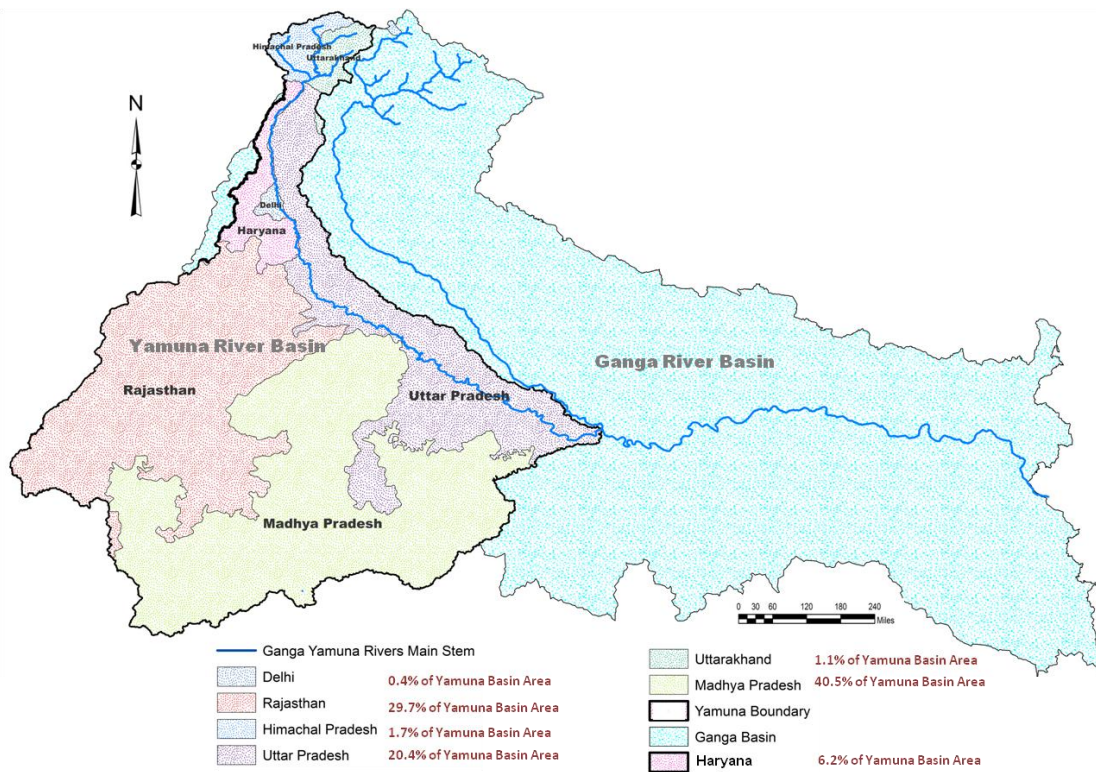


Figure 2: Major States Contributing Under the Yamuna River Basin

1.1. Salient features of river Yamuna and its tributaries and sub-tributaries

Several tributaries join it along its path, transforming it into a fourth-order river. Several major tributaries join river Yamuna in the Gangetic plain. Its major tributaries and sub-tributaries of the Himalayan region are Tons, Asan, Giri and Pabbar while at plains it receives waters from Hindon, Betwa, Chambal, Ken, Senger and Sind River. The tributaries cater to a major portion (70.9%) of the catchment area, the balance (i.e., 29.1%) area is directly drained into Yamuna or is drained by smaller streams. The salient features of all the major tributaries of river Yamuna are described in Table 2. River Chambal, well known for its deep ravines, is the largest of these tributaries, with a catchment area of 40% of the Yamuna river basin.

1.2. Physical conditions of the river Yamuna

The Himalayan part of the basin experiences very low winter temperatures and high rainfall (1,200 to > 1,600 mm). In the plains, peak temperature rise above 45°C during summer (late May-June), but during winter the temperature (average 2-9°C December-January) rarely drops below the freezing-point (Gopal, 2003). The soils of the Yamuna basin vary considerably, as they have developed under different lithological, climatic, and pedogenetic, conditions (Raychaudhury et al., 1963). River bed of the upper Yamuna is primarily sandy in texture having sand in the range of 70.52-74.76%, silt in the range of 17.74-18.56% and clay in the range of 7.35-11.55%. Due to large variation in climate and soils, the natural vegetation is also highly variable in the Yamuna river basin (Mathur and Kapoor, 2013).

Table 2: Tributaries of river Yamuna

Characteristics	Tributaries at the Mountainous stretches				
	Tons	Asan	Giri	Pabbar	Paisuni
Position	Right bank tributary	Left bank tributary	Right bank tributary	Right bank tributary of Tons River	Right bank tributary
Region of origin	Banderpunchh Mountain	Chandrabani Village at the base of Siwalik	Kharapathar, Jubbal Tehsil of District Shimla	Gangadari Dhar (Chander Nahar) ranges of Himalaya	Kaimur hills of Vindhyan range
Mouth	Asan	Yamuna	Yamuna	Tons	Yamuna
Total catchment area (sq km)	16,860	654.47	2,600	1,200	-
Length (km)	150	42	155*	87*	100
River bed	Stones, Sand	Gravels, Course fractions, Boulders, Sand	-	-	Stones, Sand, Mud

Characteristics	Tributaries at the Plains				
	Hindon	Chambal	Sind	Betwa	Ken
Position	Left bank tributary	Right bank tributary	Right bank tributary	Right bank tributary	Right bank tributary
Region of origin	Sivalik hills	North wards slope of the Vindhyan mountains in native state of Indore (M.P.)	North wards slope of the Vindhyan mountains originates at Hatoli (District Vidisha)	North wards slope of the Vindhyan mountains	North Western slope of the Vindhyan mountains in native state of Bhopal
Mouth	Yamuna	Yamuna	Yamuna	Yamuna	Yamuna
Total catchment area (sq km)	7,083	143,219	27,940	46,580	28,224
Length (km)	400	960	415	590	360
River bed	Sand	Stony rapid, sand banks and gravel bars, alkaline and saline soils	-	Stones, Sand, Riffle and Pools; Pebbles and Cobble	Rocks, Stones, Sand

Gopal and Sah (1993); Dwivedi (2006); Chauhan et al. (2014); Garg et al. (2012): * approx measured length of the river

2. Major Obstruction and Abstraction Projects Executed in the Yamuna basin

In the Himalayan segment from the source (Yamunotri Glacier) to Indo-Gangetic plains at Dak Patthar in Uttaranchal the river water quality is good and it meets most of the water quality standards. The major water quality problems arise afterwards due to the flow regulation of river through dams and barrages and the stretches downstream to the dams are devoid of water or having very less water. The water of river Yamuna is abstracted at different locations for multiple uses. The flows are dissected at 5 barrages during its course *i.e.*, at Dakpathar; Hathnikund; Wazirabad; Okhla; and at Mathura (Gokul barrage). The river water is regulated for irrigation and power generation within the segment in Hathnikund/Tajewala in Yamuna Nagar district of Haryana state, and almost all water is diverted into Eastern Yamuna Canal (EYC) and Western Yamuna Canal (WYC). The stretch is devoid of water during summer and winters downstream of Hathnikund barrage. The statistical interpretation revealed that decadal average flow in the river downstream of Hathnikund barrage at Yamuna Nagar reducing to around 3,000 cumecs in 2000-08 from over 15,000 cumecs in 1961-70 (Panwar, 2009).

Downstream of Hathnikund the river regains water from ground water accrual and contributions of feeding canals and small tributaries etc. From Hathnikund the river sluggishly meanders and reaches Delhi at Palla after travelling a distance of about 224 km. At Wazirabad the river is trapped again through a barrage for drinking water supply to urban agglomeration at Delhi. From Wazirabad barrage no river water is allowed to flow down particularly during summer, as the available water in the river is not adequate to

fulfill the water supply demand of Delhi. The water flowing in the Yamuna River downstream of Wazirabad is the treated, partially treated or untreated domestic & industrial wastewater contributed by various drains joining river Yamuna and canal water. After 22 km downstream from Wazirabad barrage the Yamuna water is again blocked and diverted into Agra Canal for irrigation through another barrage at Okhla. Similar to what happens downstream of Wazirabad, downstream of Okhla barrage the water flows in the river is the drain water of domestic & industrial origin contributed mainly by Shahdara drain. After travelling a distance of around 166 km, the river reaches Mathura from where again a major part of water is diverted for drinking water supply through Gokul barrage. The Yamuna from Gokul barrage, after receiving water through other important tributaries and city drains, joins river Ganga at Allahabad after traversing about 790 km via cities of Agra, Bateshwar, Etawah, Hamirpur and Pratapgarh (CPCB, 2006).

The points of abstraction and addition in water of Yamuna River are shown in Figure 3. A list of the dams and barrages constructed under the Yamuna basin are presented in Table 3.

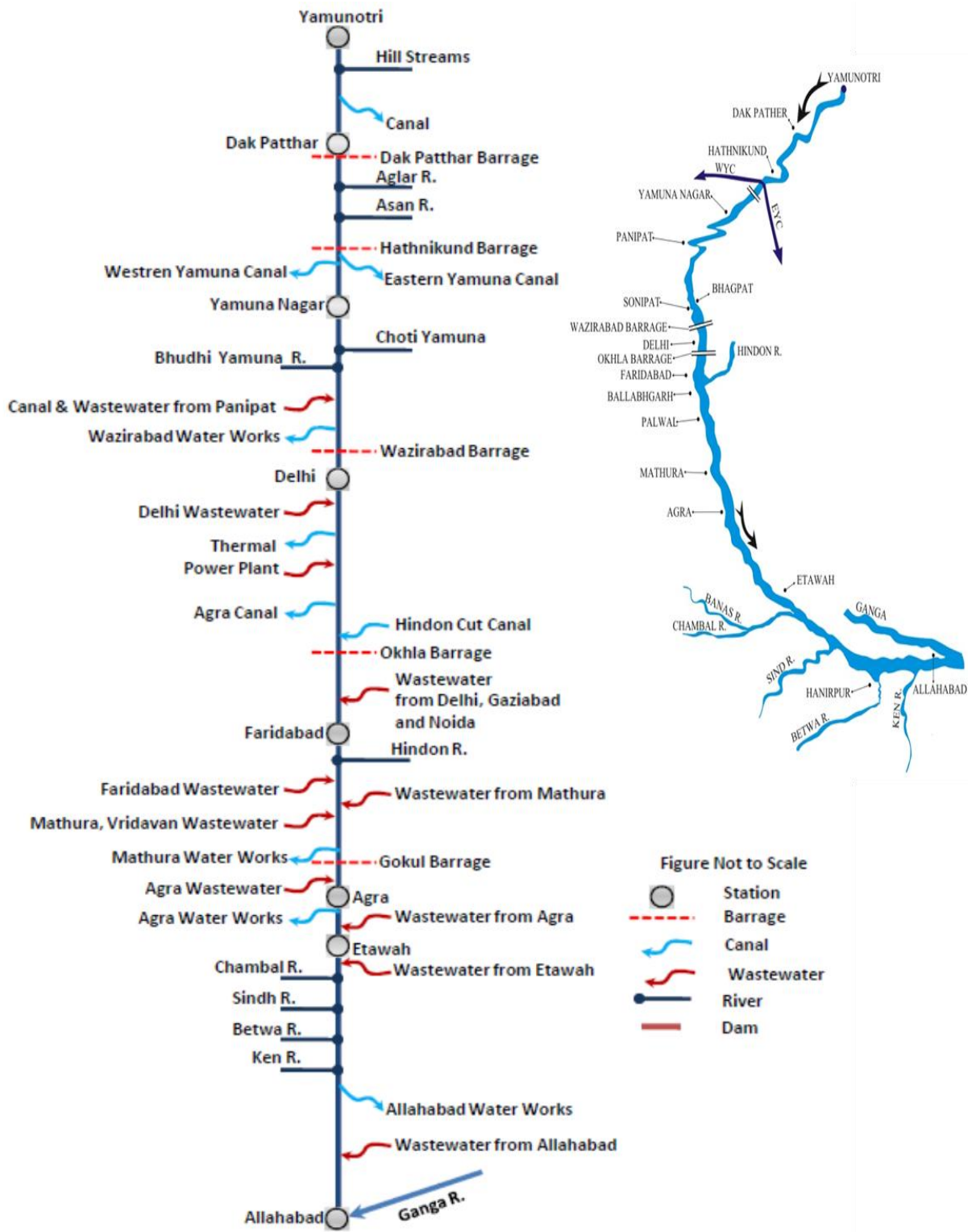


Figure 3: Line digram depicting points of water abstraction and additions in Yamuna river

Table 3: Details of the major dams/ barrages/ weirs on the river Yamuna and its tributaries

Projects	River	State	Year of Completion	Status	Remark
Lakhwar Dam	Yamuna	Uttarakhand	-	U/C	Hydroelectric, Irrigation
Dakpathar Barrage	Yamuna	Uttarakhand	1965	On	Hydroelectric
Tajewala barrage	Yamuna	Haryana	1873	On	Irrigation
Asan Barrage	Asan	Uttarakhand-Himachal Pradesh border region	1975	On	Hydroelectric
Khara Dam	Ahsan	Uttar Pradesh	1992	On	Hydroelectric
Hathni Kund Barrage	Yamuna	Haryana	1999	On	Irrigation
Gunta Dam	Gunta Nala (Yamuna)	Uttar Pradesh	2003	On	Irrigation
Gandhi Sagar Dam	Chambal	Madhya Pradesh	1960	On	Hydroelectric, Irrigation
Rana Pratap Sagar Dam	Chambal	Rajasthan	1970	On	Hydroelectric
Jawahar Sagar Dam	Chambal	Rajasthan	1972	On	Hydroelectric
Kota Barrage	Chambal	Rajasthan	1960	On	Irrigation
Gangau Weir	Ken	Madhya Pradesh	1915	On	Irrigation
Rangwan Dam	Ken	Madhya Pradesh	1957	On	Irrigation
Bariyarpur Weir	Ken	Madhya Pradesh	1905	On	Irrigation
Kishau Dam	Tons	Uttarakhand-Himachal Pradesh border region	-	U/C	Hydroelectric, Irrigation
Ichari Dam	Tons	Uttarakhand	1972	On	Hydroelectric
Rohini Dam	Rohini	Uttar Pradesh	1984	On	Irrigation
Parichha Dam	Betwa	Uttar Pradesh	1885	On	Irrigation
Dhukwan Dam	Betwa	Uttar Pradesh	1909	On	Irrigation
Matatila Dam	Betwa	Uttar Pradesh	1964	On	Hydroelectric, Irrigation
Rajghat Dam	Betwa	Madhya Pradesh-Uttar Pradesh border region	2006	On	Hydroelectric, Irrigation
Betwa Barrage	Betwa	Madhya Pradesh	-	On	Irrigation
Jamini Dam	Jamini	Uttar Pradesh	1973	On	Irrigation

Bhaunrat Dam	Jamini	Uttar Pradesh	-	On	Irrigation
Giri Dam	Giri	Himachal Pradesh	-	On	Hydroelectric, Irrigation
Renuka Ji Dam	Giri	Himachal Pradesh	2014	On	Hydroelectric, Irrigation
Sawra Kuddu Dam	Pabbar	Himachal Pradesh	2010	-	Hydroelectric
Dhamwari Sunda Barrage	Pabbar	Himachal Pradesh	-	-	Hydroelectric
Sainj Barrage	Sainj	Himachal Pradesh	-	-	Hydroelectric
Madikheda Dam	Sind	Madhya Pradesh	2008	On	Hydroelectric, Irrigation

India-WRIS (2015); U/C: Under construction

3. Demographic Profile of Yamuna Basin

As per estimation based on Census 2011 the Yamuna basin accommodates 84 Class I cities, 69 Class II towns and 229 Class III towns. These cities/ towns belong to of the states of Uttaranchal, Uttar Pradesh, Himachal Pradesh, Haryana, Rajasthan, Madhya Pradesh and Delhi. The total population of the basin is estimated to be 127 million (according to Census 2001). Population-wise the major contributing state is Uttar Pradesh, which contributes 32.95% of the basin population followed by Madhya Pradesh, Rajasthan, Haryana, Delhi, Uttarakhand and Himachal Pradesh (Rai et al., 2012). The total population of the Class I cities, Class II towns and Class III towns in the basin according to the Census 2011 is 54.5 million. Among the Class I Cities DMC (Delhi Municipal Corporation), Faridabad, Agra, Allahabad, Ghaziabad, Bhopal, Gwalior, Indore, Kota and Jaipur are the most populated cities having more than 1 million people, according to the Population Census 2011.

In the basin, 39.24% and 2.95% of the population lying in the Class I cities and Class II towns are situated along the main stem of river Yamuna. The overall share of Class III population in the basin is 12.45%. The population residing under major sub-basins lying in the state has also been estimated for Class I and Class II cities/ towns. The largest population is harboured in Chambal Basin (Class I: 17.63%) and least in Ken Basin (Class I: 1.22%). The Betwa, Sindh and Utangan basins accommodate 5.26, 3.18 and 4.33% respectively, of the total Class I population of the Yamuna basin. The least population of Class II towns also belong to Sindh basin (0.22%) and maximum to Chambal basin (1.79%). The other sub-basins – Betwa (1.09), Ken (0.28%) and Utangan (0.51%) – contain the remaining Class II population of the Yamuna basin. The total population residing outside the selected sub-basins for Class I cities and Class II towns in the state is 9.84%. Figure 4 shows the population distribution of Class I cities and Class II and III towns in the major sub-basins of river Yamuna and along the main stem of the river Yamuna. Figures 5 and 6 show the distribution of Class I cities and Class II towns in the state under Yamuna River Basin.

The details of the area, population and the major river systems of all the Class I, II and III cities are presented in Tables 4-6, respectively. The average population of class I town in the state is 0.5 million approximately, which is seven times and seventeen times higher than the average population of class II and class III towns, respectively. DMC is the most populated class I city having the population of the order of 11 million while Nagda is the least populated (0.1 million) class I city. Sadat Pur Gujran and Hodal are the cities having maximum and minimum population under class II towns, containing 0.09 and 0.05 million, respectively. In class III towns where the population is less than 0.05 million, the maximum population is in the Kotputli town (0.049 million) while the minimum is in the Maksi (0.02 million).

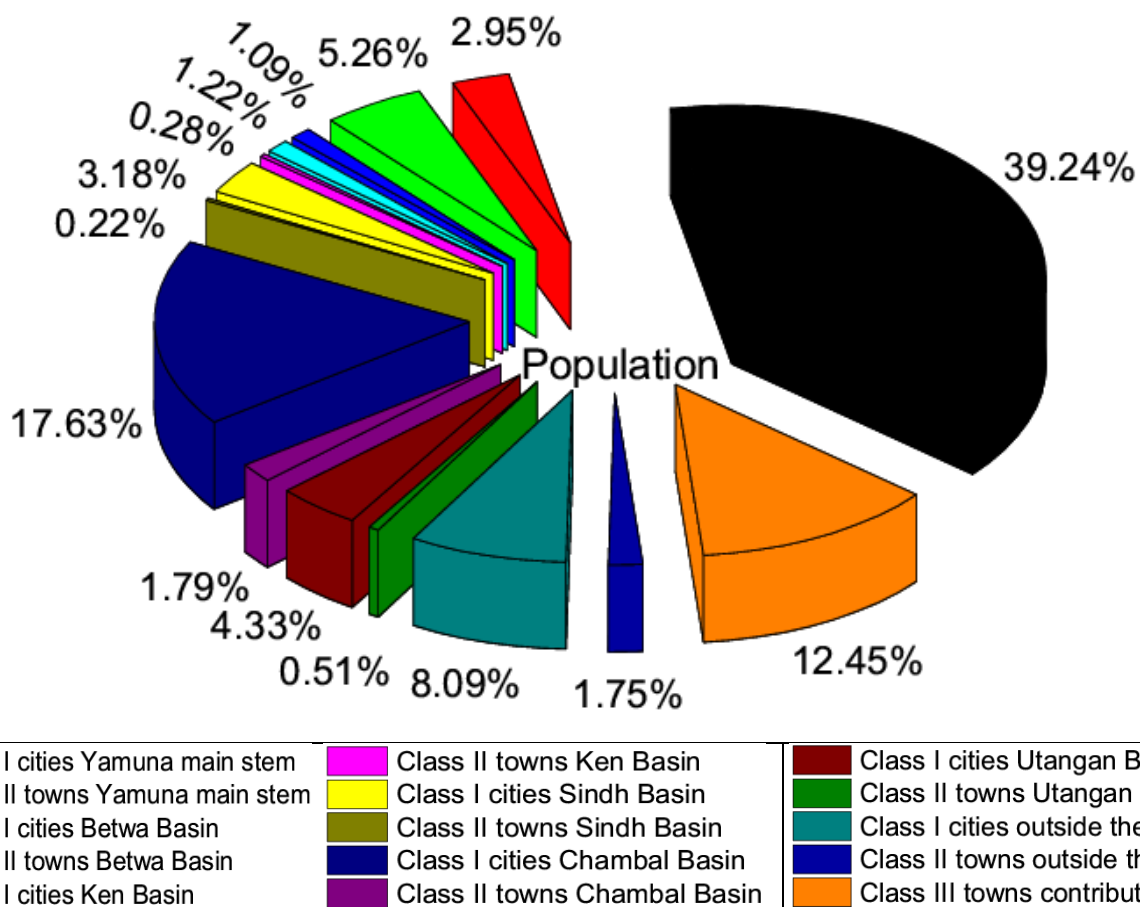


Figure 4: Population Distribution of Class I Cities and Class II, Class III Towns in the Major Basins Under the Yamuna Basin and Along the Main Stem of the River Yamuna

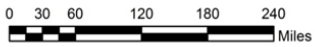
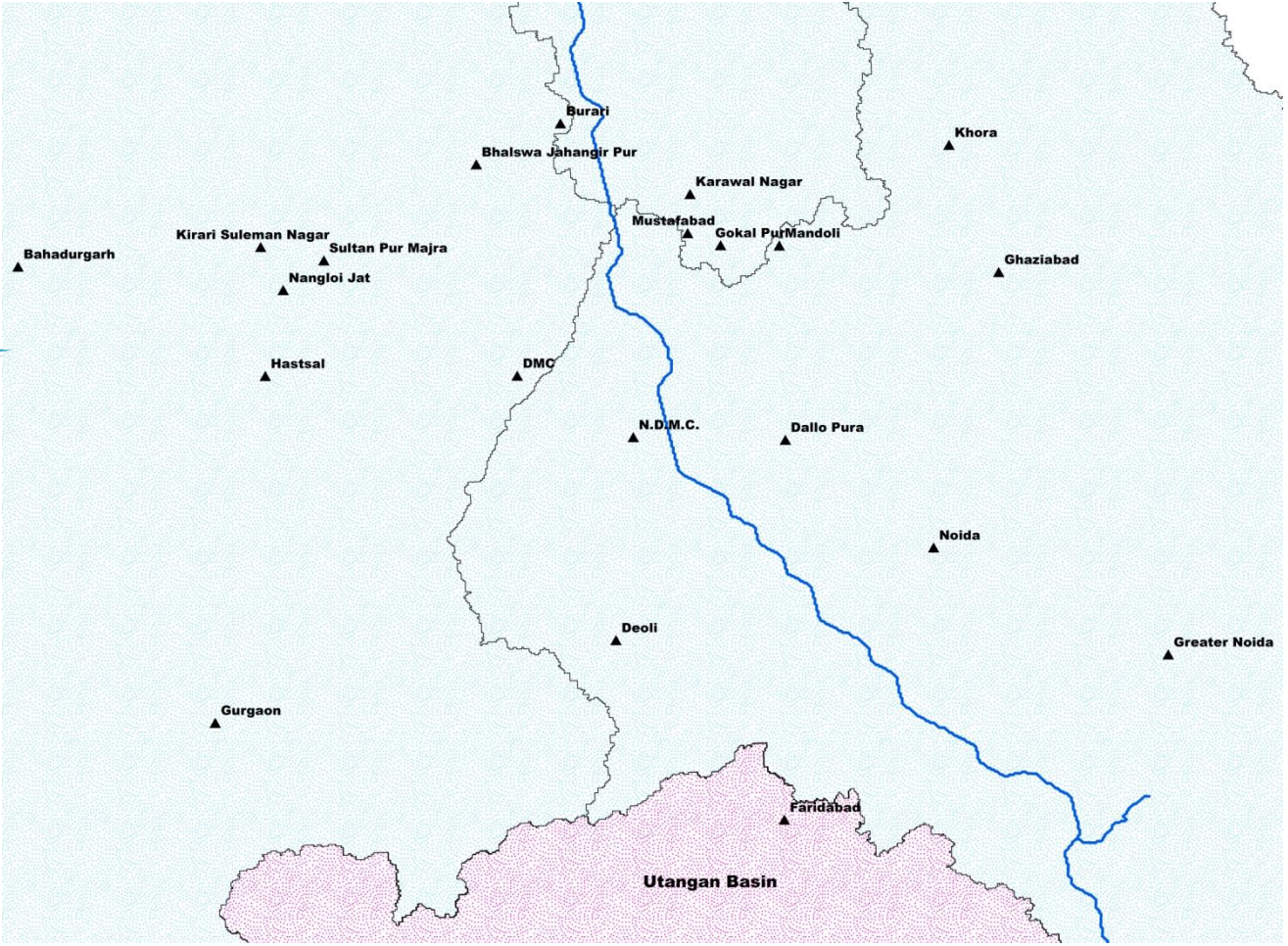


Figure 5: Class I Cities under Yamuna River Basin

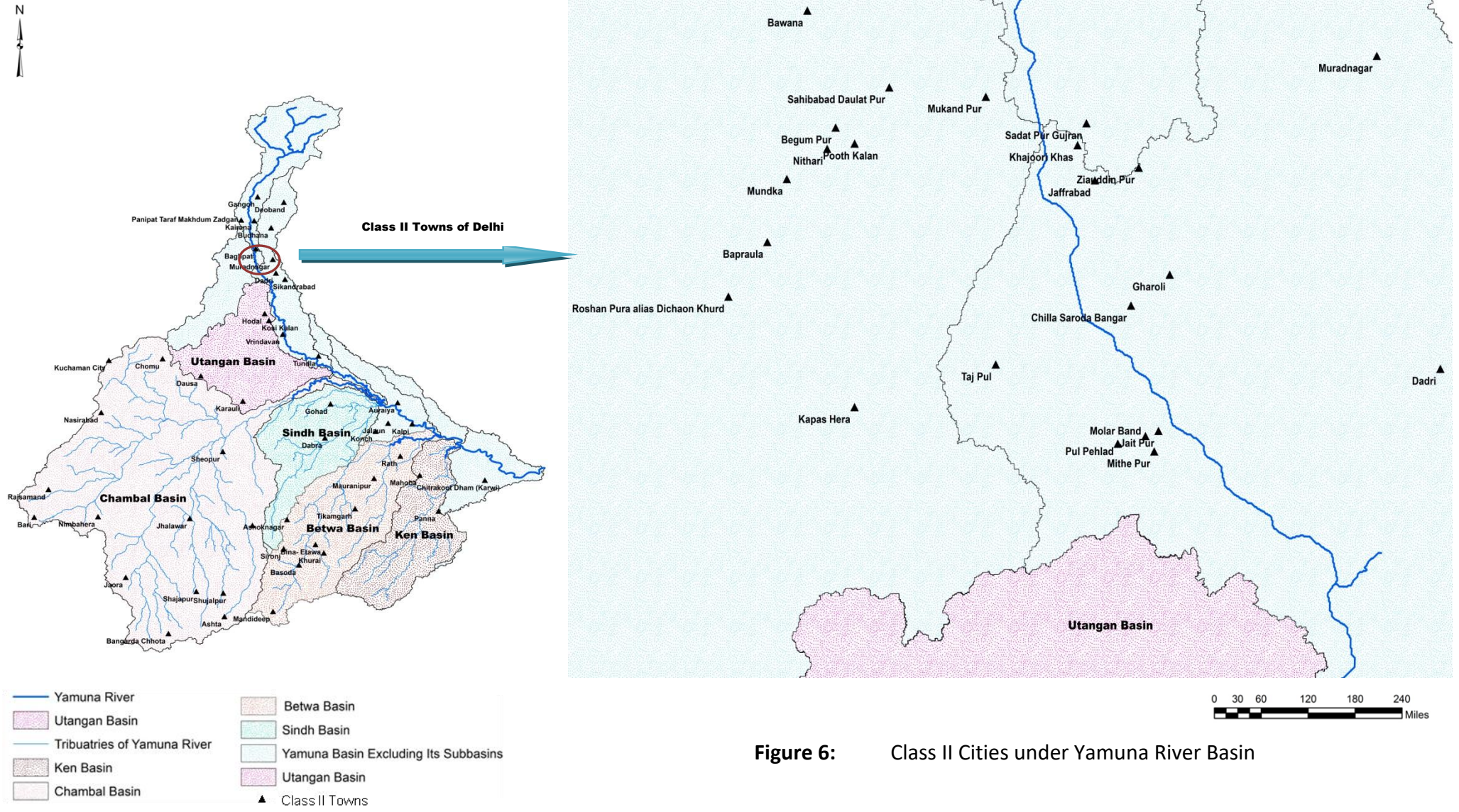


Figure 6: Class II Cities under Yamuna River Basin

Table 4: Demography of Major Class I Cities on River Yamuna

S. No.	City/ Town	State	River System	Area (Sq. Km.)	Population (Census 2011)
1	DMC	NCT OF DELHI	Yamuna, Hindan River	561.3	11,034,555
2	N.D.M.C.		Yamuna, Hindan River	42.7	257,803
3	Kirari Suleman Nagar		Yamuna, Hindan River	4.7	283,211
4	Sultan Pur Majra		Yamuna, Hindan River	2.8	181,554
5	Bhalswa Jahangir Pur		Yamuna, Hindan River	6.7	197,148
6	Burari		Yamuna, Hindan River	11.2	146,190
7	Karawal Nagar		Yamuna, Hindan River	4.8	224,281
8	Mustafabad		Yamuna, Hindan River	1.3	127,167
9	Gokal Pur		Yamuna, Hindan River	2.3	121,870
10	Mandoli		Yamuna, Hindan River	5.9	120,417
11	Dallo Pura		Yamuna, Hindan River	2.3	154,791
12	Hastsal		Yamuna, Hindan River	6.8	176,877
13	Nangloi Jat		Yamuna, Hindan River	6.7	205,596
14	Deoli		Yamuna, Hindan River	10.1	169,122
15	Bahadurgarh	Haryana	Yamuna River	29.5	170,767
16	Faridabad		Yamuna, Hindan River	204	1,414,050
17	Gurgaon		Yamuna, Hindan River	184.59	886,519
18	Jagadhri		Yamuna, Hindan River	24.8	124,894
19	Karnal		Yamuna, Hindan River	29.46	302,140
20	Palwal		Yamuna, Hindan River	8.42	131,926
21	Panipat		Yamuna, Hindan River	21.86	295,970
22	Rohatak		Yamuna, Hindan River	72.18	374,292
23	Rewari		Yamuna River 79 km	22.5	143,021
24	Sonipat		Yamuna, Hindan River	42.61	289,333
25	Yamunanagar	Yamuna River	16.48	217,071	
26	Morena	Madhya Pradesh	Asan River	12.00	200,482
27	Bhind		Kunwari River	17.18	197,585
28	Bhopal		Betwa River	285.88	1,798,218
29	Chhatarpur		Dhasan River	15.56	142,128
30	Damoh		Ken River	33.23	139,561
31	Datia		Pahuj River	6.64	100,284
32	Dewas		Shipra River	100.22	289,550
33	Guna		Sindh River	45.75	180,935
34	Gwalior		Son Rekha River	173.68	1054,420
35	Murwara		Katni River	68.57	221,883
36	Sehore		Parbati River	15.11	109,118

37	Shivpuri		Sindh River	81.11	179,977
38	Ujjain		Kshipra River	92.68	515,215
39	Vidisha		Betwa River	5.83	155,951
40	Mandsaur		Shivna River	36.36	141,667
41	Nagda		Chambal River	23.83	100,039
42	Neemach		Ratem River	22.00	128,575
43	Pithampur		Narmada 47 km	89.90	126,099
44	Ratlam		Mahi River	39.19	273,892
45	Sagar		Dhasan River	33.75	370,296
46	Indore		Saraswati River	172.39	1,994,397
47	Bundi	Rajasthan	Mez, Chambal River	27.79	104,919
48	Kishangarh		Luni River 46 Km	45.49	154,886
49	Alwar		Yamuna River 98 km	48.4	322,568
50	Bharatpur		Yamuna River	57.77	252,838
51	Bhilwara		Kothari, Banas River	118.49	359,483
52	Bhiwadi		Sahibi River	44.06	104,921
53	Chittaurgarh		Banas, Gambhiri River	41.76	116,406
54	Dhaulpur		Chambal, Utangan River	32.03	133,075
55	Gangapur		Kothari, Banas River	52.31	119,090
56	Hindaun		Utangan River	48	105,452
57	Jaipur		Banas River 60 Km	484.64	3,046,163
58	Tonk		Banas River	60.5	165,294
59	Udaipur		Sabarmati, Ayad River	56.92	451,100
60	Kota		Chambal, Kali Sindh, Parvan, Mez River	527.03	1,001,694
61	Sawai Madhopur		Parbati, Banas River	59	121,106
62	Baran		Parbati, Kali Sindh, Parvan River	72.36	117,992
63	Agra		Uttar Pradesh	Yamuna, Chambal River	120.57
64	Aligarh	Yamuna River		40.43	874,408
65	Allahabad	Ganga, Yamuna River		70.05	1,168,385
66	Banda	Ken, Yamuna River		16.00	160,473
67	Baraut	Yamuna River		10.36	103,764
68	Etawah	Sengar, Chambal, Yamuna River		28.94	256,838
69	Fatehpur	Ken, Ganga, Yamuna River		56.98	193,193
70	Firozabad	Chambal, Utangan, Yamuna River		21.35	604,214
71	Ghaziabad	Hindon, Yamuna River		220.00	1,648,643
72	Greater Noida	Hindon, Yamuna River			
73	Hathras	Yamuna River		6.76	143,020
74	Jhansi	Pahuj, Betwa River		150.00	505,693

75	Khora		Hindon, Yamuna River	4.26	190,005
76	Khurja		Yamuna River 36 km	16.70	121,207
77	Lalitpur		Shahzad, Sajnam, Jamani, Betwa River	17.35	133,305
78	Mathura		Yamuna River	28.05	349,909
79	Muzaffarnagar		Kali nadi, Ganga River	12.04	392,768
80	Orai		Yamuna, Betwa, Dhasan River	23.20	190,575
81	Saharanpur		Hindon, Yamuna, River	46.74	705,478
82	Shamli		Yamuna River	26.23	107,266
83	Shikohabad		Yamuna, Chambal, Utangan River	8.48	107,404
84	Noida		Yamuna, Hindon River	92.10	637,272

Table 5: Demography of Major Class II Cities on River Yamuna

S. No.	City/ Town	State	River System	Area (Sq. Km.)	Population (Census 2011)
1	Sahibabad Daulat Pur	NCT of Delhi	Yamuna, Hindon River	5.7	54,773
2	Bawana		Yamuna, Hindon River	17.0	73,680
3	Nithari		Yamuna, Hindon River	2.3	50,464
4	Begum Pur		Yamuna, Hindon River	1.9	53,682
5	Pooth Kalan		Yamuna, Hindon River	7.0	96,002
6	Mukand Pur		Yamuna, Hindon River	2.5	57,135
7	Sadat Pur Gujran		Yamuna, Hindon River	1.1	97,641
8	Khajoori Khas		Yamuna, Hindon River	0.9	76,640
9	Ziauddin Pur		Yamuna, Hindon River	1.8	68,993
10	Jaffrabad		Yamuna, Hindon River	0.9	54,601
11	Gharoli		Yamuna, Hindon River	3.6	92,540
12	Chilla Saroda Bangar		Yamuna, Hindon River	2.6	83,217
13	Bapraula		Yamuna River	5.6	52,744
14	Mundka		Yamuna River	11.9	54,541
15	Roshan Pura		Yamuna River	2.8	57,217
16	Kapas Hera		Yamuna River	3.4	74,073
17	Pul Pehlad		Yamuna, Hindon River	2.2	69,657
18	Taj Pul		Yamuna, Hindon River	1.2	68,796
19	Mitthe Pur		Yamuna, Hindon River	1.8	69,837
20	Molar Band		Yamuna, Hindon River	4.1	91,402
21	Jait Pur		Yamuna, Hindon River	3.8	59,330
22	Hodal	Haryana	Yamuna River	5.39	50,143
23	Panipat Taraf Makhdum Zadgan		Yamuna River	6.54	67,998
24	Ashta		Prabati river	15.78	53,184
25	Bangarda Chhota		Betwa River	11.19	64,213
26	Basoda		Betwa River	16.55	78,289
27	Sheopur		Parbati River	6.29	71,951

28	Shujalpur	Madhya Pradesh	Newaj River	7.74	51,225	
29	Ashoknagar		Aur River	4.43	81,828	
30	Bina		Bina River	12.00	64,529	
31	Gohad		Chambal River	14.91	58,939	
32	Jaora		Maleni River	14.54	74,907	
33	Khurai		Bina River	11.03	51,108	
34	Mandideep		Kaliasot River	12.78	59,654	
35	Panna		Kilkila River	10.00	59,091	
36	Raghogarh -Vijaypur		Parbati, Chopan, Sindh River	73.79	62,163	
37	Sironj		Betwa River	9.99	52,460	
38	Tikamgarh		Jamani River	6.22	79,106	
39	Shajapur		Chiler River	17.19	69,263	
40	Dabra		Sindh River	3.79	61,277	
41	Dhar		Narmada River	30.00	95,000	
42	Jhalawar		Rajasthan	Kali Sindh, Ahu River	12.95	66,919
43	Nimbahera			Banas River	12.74	61,949
44	Bari	Sabarmati, Ayad River		22.27	62,721	
45	Chomun	-		22.53	64,417	
46	Dausa	Utanganga, Banganga River		16	85,960	
47	Karauli	Chambal, Utanganga River		35	82,960	
48	Kuchaman	Luni River		12.5	61,969	
49	Nasirabad	Luni, Khari River		22.93	50,804	
50	Rajsamand	Banas, Gomati, Rajpura River		55	67,798	
51	Auraiya	Uttar Pradesh	Sengar, Yamuna, Sindh, Pahuj, Kunwari River	9.00	87,736	
52	Baghpat		Yamuna, Hindon River	2.83	50,310	
53	Budhana		Kali nadi, Yamuna River	7.61	53,722	
54	Chitrakoot Dham (Karwi)		Paisuni, Yamuna River	7.77	57,402	
55	Dadri		Yamuna, Hindon River	6.50	91,189	
56	Deoband		Hindon River	7.90	97,037	
57	Gangoh		Yamuna River	6.00	59,279	
58	Jalaun		Yamuna, Betwa, Pahuj River	6.34	56,909	
59	Kairana		Yamuna River	7.11	89,000	
60	Kalpi		Yamuna, Betwa, Virma River	9.73	51,670	
61	Kosi		Yamuna River	4.50	60,074	
62	Konch		Dhasan, Betwa, Pahuj River	2.95	53,412	
63	Mahoba		Urmil, Kali River	12.15	95,216	
64	Mauranipur		Sukhnai Nadi, Dhasan River	5.53	61,449	
65	Muradnagar		Yamuna, Hindon River	12.00	95,208	
66	Rath		Virna, Dhasan, Betwa River	8.12	65,056	
67	Sikandarabad		Yamuna, Hindon River	1.14	81,028	
68	Tundla		Yamuna, Utangan River	8.25	50,423	
69	Vrindavan		Yamuna River	13.50	63,005	

Table 6: Demography of Major Class III Cities on River Yamuna

S. No.	City/ Town	State	River System	Area (Sq. Km.)	Population (Census 2011)
1	Ali Pur	NCT OF DELHI	Yamuna, Hindon River	8.6	20,332
2	Libas Pur		Yamuna, Hindon River	2.3	44,,375
3	Siras Pur		Yamuna, Hindon River	4.3	30,445
4	Pehlad Pur Bangar		Yamuna, Hindon River	4.7	22,968
5	Karala		Yamuna, Hindon River	8.8	35,730
6	Kamal Pur Majra Burari		Yamuna, Hindon River	1.3	43,086
7	Jharoda Majra Burari		Yamuna, Hindon River	2.6	22,878
8	Dayal Pur		Yamuna, Hindon River	-	20,589
9	Jiwan Pur alias Johri Pur		Yamuna, Hindon River	1.0	43,054
10	Babar Pur		Yamuna, Hindon River	0.8	37,058
11	Gharonda Neemka Bangar alias Patpar Ganj		Yamuna, Hindon River	1.5	37,876
12	Kondli		Yamuna, Hindon River	1.9	38,207
13	Shafi Pur Ranhola		Yamuna River	4.3	31,944
14	Nilothi		Yamuna, Hindon River	3.9	43,371
15	Quamruddin Nagar		Yamuna, Hindon River	2.4	25,126
16	Dindar Pur		Yamuna River	3.9	35,856
17	Nangli Sakrawati		Yamuna River	3.1	37,706
18	Moradabad Pahari		Yamuna, Hindon River	1.2	21,502
19	Malik Pur Kohi Alias Rang Puri		-	7.5	23,726
20	Aya Nagar		Yamuna, Hindon River	8.2	33,123
21	Chattar Pur		Yamuna, Hindon River	7.4	46,776
22	Tigri		Yamuna, Hindon River	1.1	46,974
23	Aali		Yamuna, Hindon River	4.0	27,169
24	Dharuhera	Haryana	Sahibi River	11.49	30,344
25	Firozpur Jhirka		Yamuna River	8.86	24,750
26	Ganaur		Yamuna River	9.06	35,603
27	Gharaunda		Yamuna River	12.98	37,816
28	Hailey Mandi		Yamuna River	16.27	20,906
29	Jhajjar		Yamuna River	36	48,424
30	Kharkhoda		Yamuna River	1.63	25,051
31	Kundli		Yamuna, Hindon River	7.9	21,633
32	Manesar		Yamuna River	14.7	23,448
33	Palwal (Rural)		Yamuna River	20.1	23,072
34	Panipat Taraf Ansar		Yamuna River	7.88	42,877
35	Pataudi		Yamuna River	13.51	20,418
36	Punahana		Yamuna River	10.12	24,734
37	Samalkha		Yamuna River	4.66	39,710
38	Sampla		Yamuna River	17.83	20,563
39	Sasauli		Yamuna, Markanda River	2.88	22,479
40	Sohna		Yamuna River	9.7	36,552

41	Taoru	Haryana	Yamuna River	4.52	22,599
42	Tilpat		Yamuna, Hindon River	9.92	20,514
43	Ugra Kheri		Yamuna River	4.6	24,440
44	Paonta Sahib	Himachal Pradesh	Yamuna, Giri, Tons River	6.2	25,183
45	Solan		Giri River	6.18	39,256
46	Mussoorie	Uttaranchal	Bhagirathi, Yamuna River	64.75	30,118
47	Agar	Madhya Pradesh	Kali Sindh River	3.52	37,917
48	Alot		Kshipra River	2.78	24,115
49	Amla		Bel Nadi	6.39	30,215
50	Aron		Sindh River	20.01	28,010
51	Banda		Dhasan River	10.02	30,923
52	Badnagar		Chamla River	7.02	36,438
53	Begamganj		Bina River	18.46	34,031
54	Berasia		Baanh River	13.99	30,951
55	Bhander		Pahuj River	1.68	25,204
56	Bhanpura		Ahu River	8.00	21,013
57	Biaora		Parbati River	6.96	49,093
58	Garhakota		Sunar River	2.98	32,726
59	Khachrod		Chambal River	10.40	34,191
60	Maksi		Choti Kali Sindh River	19.19	20,088
61	Manasa		Ratem River	3.61	26,551
62	Pachor		Lakhundar River	25.79	27,396
63	Rahatgarh		Bina River	6.54	31,537
64	Rajgarh		Parbati River	9.36	20,668
65	Rehli		Sunar River	27.86	30,329
66	Tarana		Choti Kali Sindh River	1.45	24,908
67	Ambah		Chambal River	3.85	47,177
68	Bijawar		Dhasan River	25.72	20,513
69	Chanderi		Betwa River	14.87	33,081
70	Karera		Mahuar River	12.00	28,705
71	Lahar		Kwari River	19.04	35,674
72	Maharajpur		Narmada River	14.50	23,328
73	Mungaoli		Betwa River	17.98	26,192
74	Sabalgarh		Chambel River	8.57	40,333
75	Seondha		Sindh River	2.93	23,140
76	Sarangpur		Kali Sindh River	5.68	37,435
77	Badnawar		Mahi River	3.01	20,917
78	Mau		Parbati River	58.69	20,147
79	Bamor Kalan		Betwa River	3.43	32,838
80	Chitrakoot		Yamuna River	83.00	23,316
81	Deori		Narmada River	5.00	25,632
82	Gormi	Kunwari, Chambal River	17.00	20,841	
83	Indergarh	Pahuj, Sindh River	18.05	23,045	
84	Jaura Khurd	Asan, Chambal River	10.42	32,087	
85	Jirapur	Kali Sindh River	9.25	21,724	

86	Joura		Maleni, Chambal River	4.00	42,153
87	Kailaras		Chambal River	1.72	25,920
88	Laundi		Urmil, Ken River	25.04	22,002
89	Maihar		Mahanadi River	10.36	40,192
90	Mauganj		Sone River	36.91	26,420
91	Mehgaon		Sindh, Kunwari River	4.00	21,335
92	Mhowgaon		Narmada River	13.00	30,012
93	Niwari		Betwa River	14.91	23,724
94	Nowgong		Dhasan River	20.86	40,580
95	Obedullaganj		Tawa, Narmada River	29.86	22,845
96	Porsa		Kwari, Chambal, Yamuna River	12.17	39,669
97	Prithvipur		Betwa Jamni River	0.55	26,883
98	Rajakhedi		Dhasan River	3.54	24,232
99	Rau		Narmada River	14.74	36,055
100	Shamgarh		Ahu, Chambal River	3.02	24,637
101	Pathari		Bina, Betwa River	19.24	21,026
102	Khajuraho		Khudar, Ken River	59.80	24,481
103	Hatta		Ken, Sunar River	6.29	32,465
104	Narsinghgarh		Parbati River	12.95	32,329
105	Raisen		Betwa River	19.08	44,162
106	Binaganj		Parbati River	11.65	21,860
107	Aklara		Choti Nadi, Chapi River	5.00	26,240
108	Bagru		-	10.00	26,091
109	Bhawani Mandi		Piplaad, Ahu River	40.00	42,283
110	Chaksu		Banas River	13.25	33,432
111	Chhabra		Parbati River	9.00	32,285
112	Deoli	Banas, Khari River	3.75	22,065	
113	Jahazpur	Banas, Khari River	5.00	20,586	
114	Jhalrapatan	Kali Sindh, Ahu River	20.17	37,506	
115	Kekri	Banas, Khari River	7.00	41,890	
116	Keshoraipatan	Chambal, Mez River	25.9	24,627	
117	Kotputli	-	36.00	49,202	
118	Lakheri	Mez, Parbati, Chambal River	25.00	29,572	
119	Lalsot	Banas River	9.42	34,363	
120	Malpura	Banas River	45.35	36,028	
121	Mangrol	Parbati, Kali Sindh River	27.45	25,073	
122	Nagar	Banganga River	3.61	25,572	
123	Niwai	Banas River	48	37,765	
124	Bandikui	Banganga River	5	44,664	
125	Bassi	Banganga River	20.4	26,029	
126	Behror	-	15.12	29,531	

127	Borawar	Rajasthan	Khari River	24	24,975	
128	Fatehnagar		Banas River	15	22,812	
129	Kaithoon		Chandrelohi, Chambal, Kali Sindh, Parvan River	17.23	24,260	
130	Kaprain		Chambal, Mez, Kali Sindh River	64	20,748	
131	Khairthal		-	21.09	38,298	
132	Manoharpur		-	12.11	20,287	
133	Nandri		Banganga, Utangan River	6.9	20,827	
134	Nawa		-	24	22,088	
135	Ramganj Mandi		Ahu, Kali Sindh River	10.82	41,328	
136	Rawatbhata		Chambal River	21.53	37,699	
137	Sarwar		Khari River	5	20,372	
138	Suket		Ahu, Kali Sindh River	9.52	22,319	
139	Todabhim		Banganga, Utangan River	5	22,977	
140	Phulera		-	10	26,091	
141	Kishangarh Renwal		-	25.94	29,201	
142	Reengus		-	30	26,139	
143	Sangod		Sangod, Kali Sindh, Parvan River	14.89	21,846	
144	Shahpura (Bhilwara)		Banas, Khari, Maansi, Kothari River	56.52	30,320	
145	Shahpura (Jaipur)		-	64	33,895	
146	Todaraisingh		Banas, Khari River	54.14	23,559	
147	Bayana		Utangan River	5.68	38,502	
148	Deeg		Yamuna River	3.29	44,999	
149	Kaman		Yamuna River	6	38,040	
150	Kumher		Yamuna River	19.62	23,540	
151	Nadbai		Utangan River	14.91	26,411	
152	Rajakhera		Utangan, Chambal River	10	33,666	
153	Ramgarh		-	2.57	33,024	
154	Sambhar		-	12.5	22,327	
155	Shri Madhopur		-	16	31,366	
156	Tijara		-	21	24,747	
157	Mahwa		Rajasthan	Banganga, Utangan River	3.06	24,846
158	Gulabpura			Khari River	12	27,215
159	Nathdwara			Banas River	24	42,016
160	Antah	Parvan, Kali Sindh, Parbati River		23.48	32,377	
161	Begun	Brahmini River		6.62	20,705	
162	Karanpur	Banas River		4.85	21,297	
163	Rajgarh	Banganga River		25	26,631	
164	Kapasan	Banas, Berach River		26.75	20,869	
165	Achhnera	Uttar Pradesh		Yamuna, Utangan River	8.0	22,781
166	Babarpur Ajitmal			Yamuna River	5.0	29,284
167	Banat		Eastern Yamuna	2.9	20,728	
168	Banki		Betwa River	4.3	21,317	
169	Bidhuna		Rind River	10.0	32,252	

170	Dasna	Uttar Pradesh	Yamuna, Hindon River	3.3	34,914	
171	Dibiyapur		Rind, Sengar, Yamuna River	10.0	27,237	
172	Fatehpur		Ganga, Yamuna, Virma, Betwa River	8.0	35,582	
173	Hindalco Industries Ltd. (Renukoot)		Renu River	5.0	41,792	
174	Jhinhak		Rind, Sengar, Yamuna River	5.4	24,027	
175	Kanth		Ramganga, Gangan River	0.8	26,381	
176	Khekada		Yamuna, Hindon River	8.0	48,676	
177	Kheragarh		Utangan, Yamuna River	3.0	21,470	
178	Khurja Rural		Yamuna River	9.7	21,383	
179	Kiraoali		Utangan, Yamuna River	5.0	23,788	
180	Kora Jahanabad		Rind, Yamuna, Betwa, Ganga River	3.1	26,359	
181	Kul Pahar		Dhasan, Urmil River	2.8	20,096	
182	Nakur		Yamuna River	6.3	22,712	
183	Nanauta		Yamuna, Hindon River	4.0	22,551	
184	Pukhrayan		Yamuna, Sengar River	15.0	24,258	
185	Purquazi		Kali Nadi, Hindon, Ganga River	4.9	29,041	
186	Rampur Maniharan		Hindon, Yamuna River	2.0	27,979	
187	Sarwat		Kali Nadi, Ganga, Malini River	6.9	24,846	
188	Sewalkhas		Hindon, Yamuna River	4.0	24,882	
189	Shahbudinpur		Kali Nadi	4.7	25,157	
190	Shahpur		Kali Nadi	2.6	20,154	
191	Shamsabad		Utangan, Yamuna, Chambal River	6.0	33,144	
192	Sumerpur		Ganga, Sai River	7.5	39,132	
193	Villimar Kundi		-	30.7	21,082	
194	Ghatampur		Uttar Pradesh	Yamuna, Betwa River	4.00	40,623
195	Etmadpur			Yamuna River	4.00	21,897
196	Jewar			Yamuna River	18.17	32,269
197	Kabrai			Ken River	4.00	28,564
198	Khaga			Ganga, Yamuna River	16.00	35,637
199	Raya			Yamuna River	7.00	21,344
200	Sirsaganj	Yamuna River		2.14	32,098	
201	Atarra	Ken, Kali River		10.00	47,419	
202	Barua Sagar	Betwa River		5.89	25,028	
203	Bharthana	Sengar, Rind, Yamuna, Kunwari, Chambal River		6.00	44,120	
204	Bindki	Ganga, Yamuna, Ken River		3.90	36,926	
205	Charkhari	Virna River		5.00	27,760	
206	Charthawal	Kali Nadi, Hindon River		8.75	20,653	
207	Chhata	Yamuna River		14.00	23,537	
208	Fatehabad	Yamuna, Utangan, Chambal River		6.00	23,278	

209	Fatehpur Sikri		Yamuna, Utangan River	8.00	32,905
210	Govardhan		Yamuna River	8.00	22,756
211	Gursarai		Dhasan, Betwa River	2.24	26,869
212	Hamirpur		Ganga, Sai River	3.94	35,475
213	Jalalabad		Ganga, Ramganga River	9.00	38,202
214	Jalalabad		Kali River	4.10	27,921
215	Jalesar		Yamuna River	3.67	38,130
216	Jaswantnagar		Sengar, Chambal, Yamuna River	5.76	28,164
217	Kandhla		Yamuna River	5.96	46,796
218	Karhal		Chambal, Yamuna River	9.58	27,701
219	Khair		Karban Nadi, Yamuna River	15.54	35,751
220	Maudaha		Ken, Betwa, Yamuna, Virna River	6.07	40,003
221	Sadabad		Karwan, Yamuna River	3.97	40,926
222	Samthar		Betwa, Pahuj River	4.00	22,455
223	Thana Bhawan		Hindon, Yamuna River	1.11	36,669
224	Behat		Yamuna River	4.00	20,474
225	Rasulabad		Rind Rlver	8.00	22,196
226	Akbarpur		Sengar, Yamuna River	5.00	20,445
227	Jalalpur		Choti Saryu, Tons River	0.34	31,972
228	Bewar		Virna, Betwa River	9.00	23,729
229	Shamsabad		Ganga River	4.00	28,454

4. Religious Places and Their Importance

Yamuna basin is comprises of parts of six states (Uttarakhand, Himachal Pradesh, Haryana, Uttar Pradesh, Madhya Pradesh and Rajasthan) and one Union territory (National Capital Territory of Delhi). The basin has cultural, religious and traditional richness, marked with the presence of sages, seers, devotees and mystics. Allahabad, Mathura, Vrindavan, Ujjain, Orchha, Maihar, Chitrakoot, Jaipur, Udaipur, Bharatpur, Jhalawar and Karauli are major holy cities for Hindus. Hordes of pilgrims and devotees visit these places of pilgrimage every year and participate in festivals.

Allahabad/Prayaga is an ancient pilgrim site located at the confluence of River Ganga, Yamuna and the mythical Saraswati and plays a central role in Hindu scriptures. Sangam, rivers convergence point, is venue of many sacred fairs and rituals since ancient times which attracts thousands of pilgrims to take a holy dip throughout the year. Among the various festivals and fairs, the Kumbh Mela is one of the greatest Indian cultural and religious fair. Magh Mela is another fair that is held annually in the month of Magh (Mid January to Mid February).

Mathura and Vrindavan are the most important places of pilgrimage for devotees of Lord Krishna. These ancient towns witness numerous mesmerizing temples of various ages, and stretch of the sacred Yamuna River which flows past here is lined with 25 ghats. Govardhan,

Barsana, Gokul, Nandgaon, Mahavan, Baldeo and Chhatikara are some of the popular places. Mathura was earlier a Buddhist center before Hinduism rose to prominence.

Ujjain is an ideal destination for the spiritual souls, dedicated mostly to the Shaivite, Vaishnavite and followers of Shakta. It is one of the seven sacred cities (Sapta Puri) of the Hindus located on the eastern bank of the Kshipra River. The place has several old age temples of 10th and 11th centuries and ancient caves which are believed to be in existence since Mahabharata era. Ujjain is one out of four pilgrimage sites in India where the largest Hindu fair (Kumbh Mela) is celebrated in every 12 years. There are about 15 Ghats along river Kshipra.

Orchha is one of the ancient towns situated on the bank of river Betwa and famous for its architectural heritage and its pilgrimage stature. It has many temples but is most famous for the Ram Raja mandir where devotees visit regularly. Orchha receives a huge number of devotees on certain important Hindu festivals like the Ram navami, Makar Sankranti, Vivaha Panchami, Basant Panchami, Shivratri and Kartik Purnima.

Bhojpur is a small town near to Bhopal having historical and religious importance. The place is located on river Betwa, famous for an ancient incomplete Bhojeshwar Temple dedicated to Lord Shiva and an unfinished Jain temple. Bhojeshwar Temple is also known as Somnath of the east. During Maha Shivratri, a big fair is organized every year.

Maihar is one of the 52 Shakti Peethas (shrines) located in the district of Satna, associated with the Goddess Shakti, also known as Sharda Devi. Millions of pilgrims throng the temple all round the year.

Chitrakoot, 'the hill of many wonders', lies on the borders of Madhya Pradesh–Uttar Pradesh. The town has spiritual, cultural and historical significance, known for a number of ancient temples as well as bathing ghats along the Mandakini River. The place is renowned as Lord Rama Pilgrimage, and devotees believed that Lord Rama along with his brother Lakshman and goddess Sita spent 11 and half years of their 14 years exile in forests around Chitrakoot. This holy town is crowded with pilgrims visiting throughout the year. Some major religious events and their features have been illustrated in Table 7.

Table 7: Major Religious Events on River Banks in Yamuna and Its Major Tributaries in Yamuna Basin

S No	Religious Events	Place	River Bank	Duration	Period
1	Kumbha Mela	Allahabad	Ganga, Yamuna	January–February	Every twelfth year
2	Kumbha Mela (Simhastha)	Ujjain	Kshipra	When Jupiter ascends into sun sign Leo's quarter or the Simha constellation of zodiac	Every twelfth year
3	Ardh Kumbha Mela	Allahabad	Ganga, Yamuna River	January–February	Every twelfth year
4	Magh Mela	Allahabad	Ganga, Yamuna	January–February	Annual
5	Kartik Poornima	Orchha	Betwa	November	Annual
6	Ganga Dusshera	Allahabad, Garhmukteshwar	Ganga	June	Annual
7	Garh Ganga Mela	Garhmuketeshwar	Ganga	November	Annual
8	Bateshwar Fair	Agra	Yamuna	October–November	Annual
9	Ramayan Mela	Chitrakoot	Mandakini	February, March	Annual
10	Ram Navmi	Orchha	Betwa River	April	Annual
11	Makar Sankranti	Orchha	Betwa River	January 14	Annual
12	Vivaha panchami	Orchha	Betwa River	November–December	Annual
13	Basant Panchami	Orchha	Betwa River	February	Annual
14	Shivratri	Orchha	Betwa River	March	Annual
15	Banganag Fair	Jaipur	Banganga River	April–May	Annual
16	Brij Festival	Bharatpur	Banganga River	March	Annual
17	Chandrabahga Fair	Jhalawar	Chadrabhaga River	November	Annual
18	Kaila Devi Fair	Karauli	Kalisil River	March–April	Annual

5. Pollution Load

The major pollution load in the area of basin under the state is due to point and nonpoint sources. Discharges of untreated/partially treated sewage from urban centres, discharges from open drains carrying sewage, discharges from the tributaries and discharges of untreated/partially treated wastewater from industrial units are the major point sources that contribute to the pollution load in the state. The major nonpoint sources *i.e.*, agricultural activities, sediment remobilization or entrainment, groundwater intrusion or a combination of these sources are also significantly contributed in the pollution. The major towns along the river Yamuna are Kota, Gwalior, Indore, Nagda, Khetri, Yamuna Nagar,

Panipat, Sonapat, Delhi, Baghpat, Ghaziabad, Gautam Budha Nagar, Agra, Faridabad and Mathura.

According to Upadhyay and Rai (2013), 8,444 MLD of wastewater is generated in the basin, out of which about 4,458 MLD is discharged directly into the Yamuna river and about 1,200 MLD is discharged into its tributaries. The remaining 2,786 MLD is either disposed of on land or used for irrigation. The large number of pulp and paper, sugar, distillery, leather, textile, chemical, thermal power, and food processing industries situated in Class I and Class II cities (Kota, Gwalior, Indore, Yamuna Nagar, Panipat, Sonapat, Delhi, Baghpat, Ghaziabad, Gautam Buddha Nagar, Faridabad, Mathura, Vrindavan, Agra and others) on the banks of the river Yamuna and its tributaries, directly or indirectly influencing the water quality of river by discharging their treated and untreated effluents into the nearby riverine systems. The estimation of the amount of pollution load generated by the industries and its contribution in the river Yamuna is a strenuous task. According to Rai et al. (2012), the state-wise maximum industrial effluent generation in Yamuna basin is by Uttar Pradesh (55%), followed by Delhi (18%), Madhya Pradesh (14%), Haryana (7%), Rajasthan (4%) and Himachal Pradesh (2%).

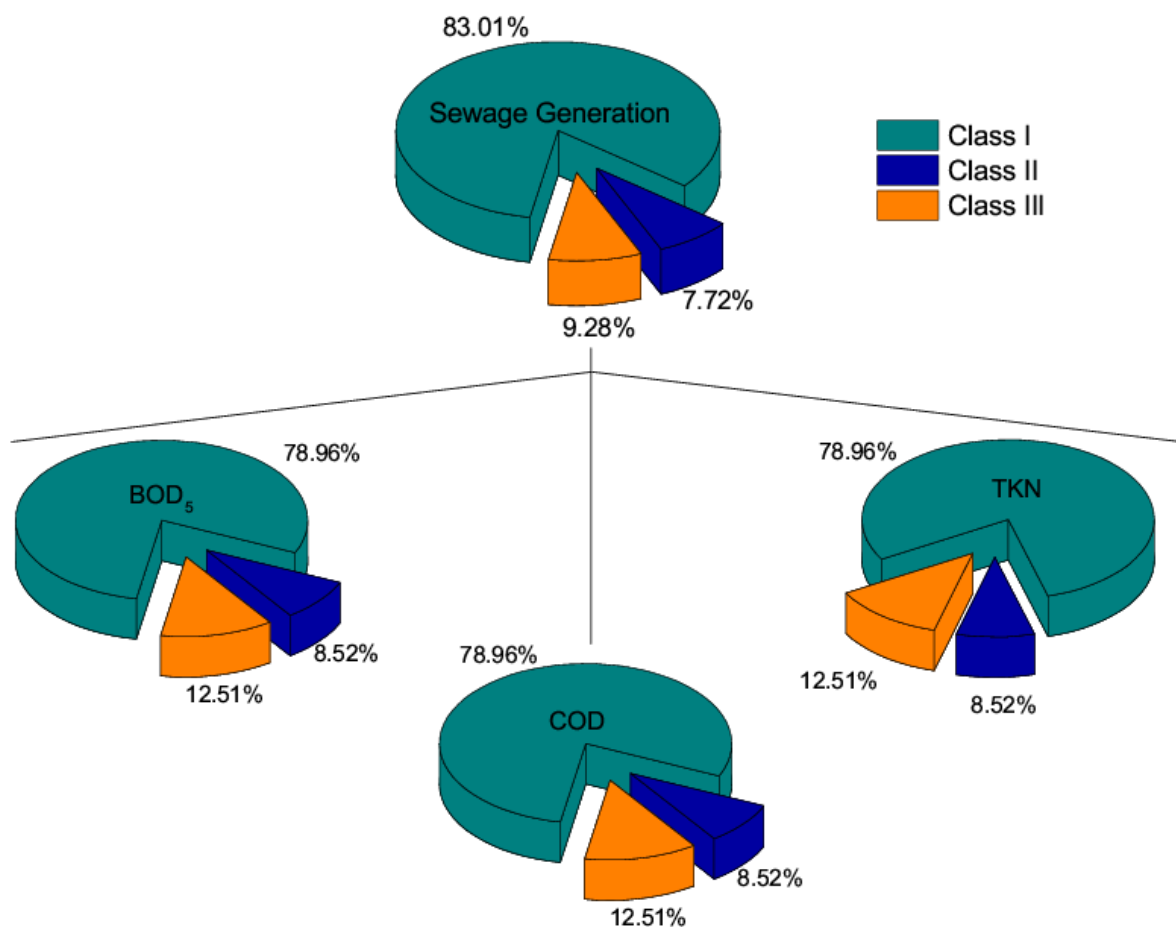


Figure 7: Distribution of Pollution Load of Class I Cities and Class II, Class III Towns in Yamuna Basin

The pollution load for Class I cities, Class II and III towns have been estimated by the data received through rigorous field survey of almost all the major cities and towns in the state (Figure 7). The maximum sewage generation is in the Class I cities (83.01%) followed by Class III (9.28%) and Class II towns (7.72%). The BOD, COD and TKN load for Class I cities, Class II and Class III towns are in the order of 78.96, 8.52 and 12.51%, respectively. The BOD, COD and TKN load of all the Class I cities, Class II and Class III towns are estimated on the per capita basis by using standard values. The domestic water demand is estimated from the population data. The standard water use of 135 lpcd in urban centres is considered for the domestic water requirement and also as per standard 80% of the water is generated as sewage water. The assessment of the total water supply and total sewage generation of class I cities in the state revealed that the maximum sewage generation is in DMC(U) which is 1191.73 MLD. In case of the class II towns the sewage generation in Sikandrabad is maximum at 48.79 MLD, approx 800% of its total water supply. The total BOD and COD loads in tons/day has been estimated for Class I towns and their averages are approximately 13.8 and 23.4 tons/day, respectively. The average BOD and COD loads from the Class II towns are 1.80 and 3.07 tons/day, respectively whereas Class III towns contribute approximately 0.8 tons/day and 1.36 tons/day of BOD and COD, respectively. The maximum BOD, COD and TKN contributing city in Class I towns are DMC(U) while minimum BOD, COD and TKN contribution are made by Nagda. In Class II and Class III towns, maximum BOD, COD and TKN load are from Sadat Pur Gujran and Kotputli, respectively, while minimum contribution are from Hodal and Maksi, respectively.

The estimates of total water supply, total sewage generated, BOD, COD and TKN loads are summarized and illustrated in Figures 8a (Part i) to 10b (Part ii) for class I cities and class II towns. All the plots from Figures 8 to 10 are in two parts (Parts i and ii) for proper understanding of the observations. The comparative account of towns of all the classes (I, II and III) for their population, sewage generation, water supply and BOD, COD and TKN load are presented in Figure 11.

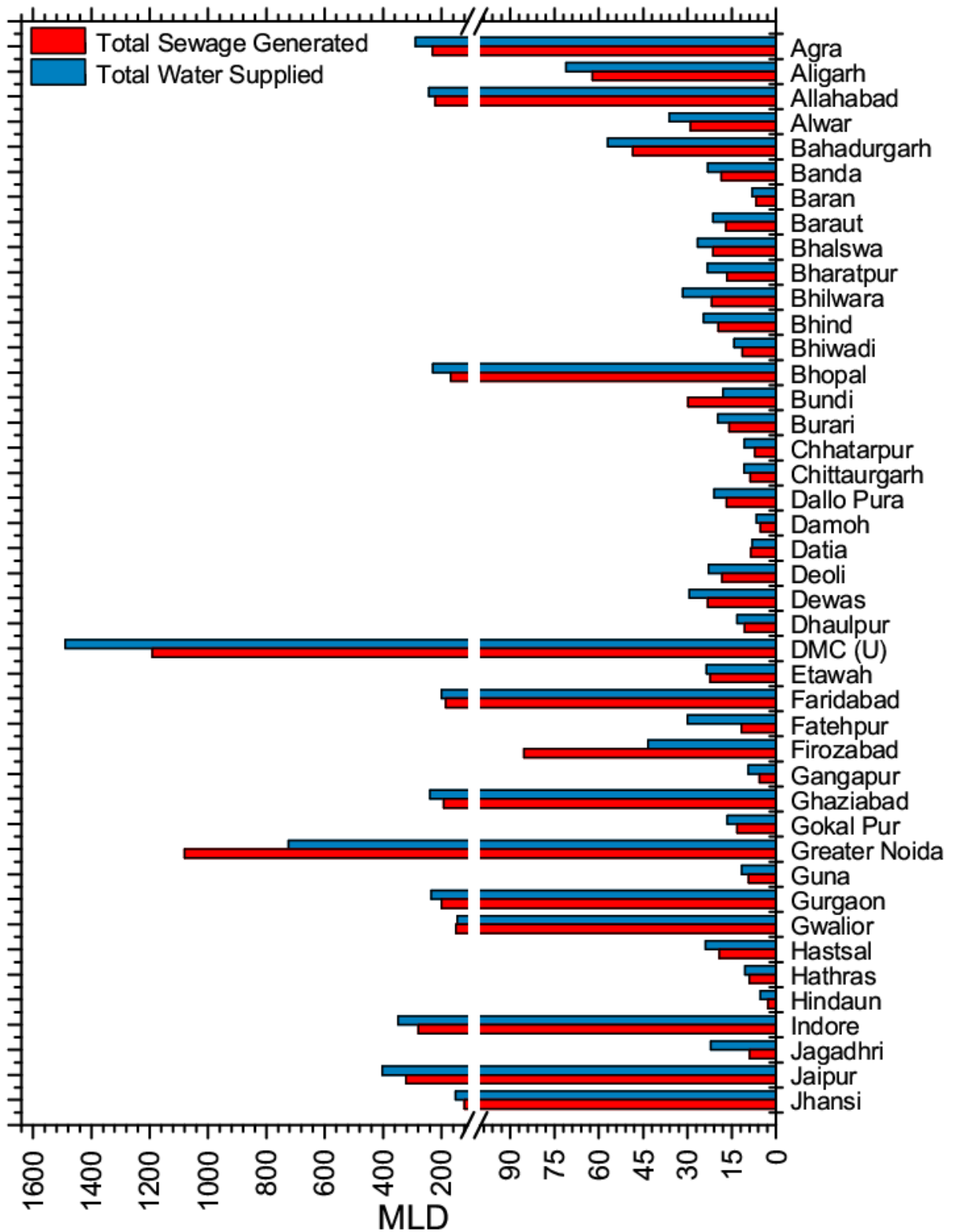


Figure 8a (Part i): Assessment of Water Supply and Sewage Generation (MLD) in Class I Towns in the Yamuna River Basin

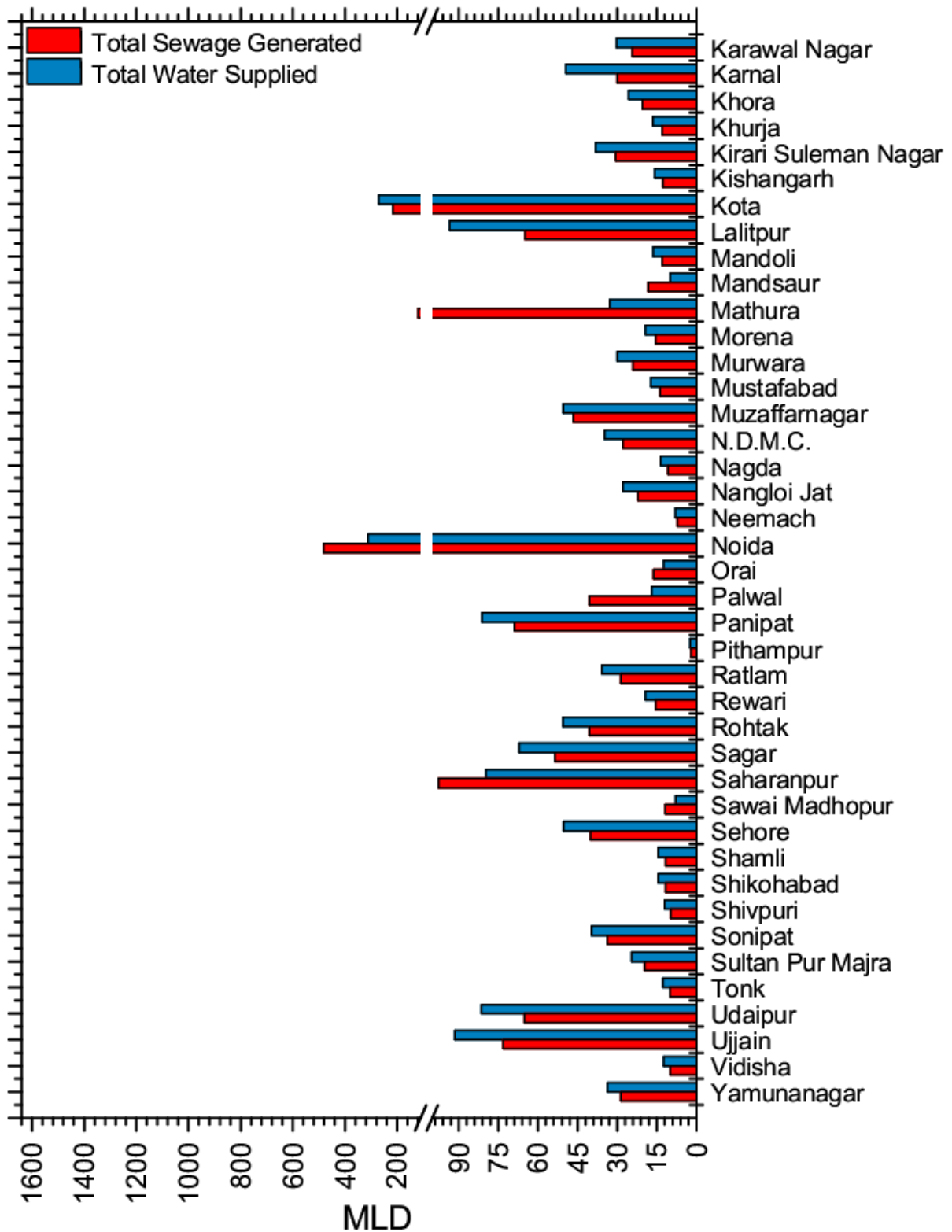


Figure 8a (Part ii): Assessment of Water Supply and Sewage Generation (MLD) in Class I Towns in the Yamuna River Basin

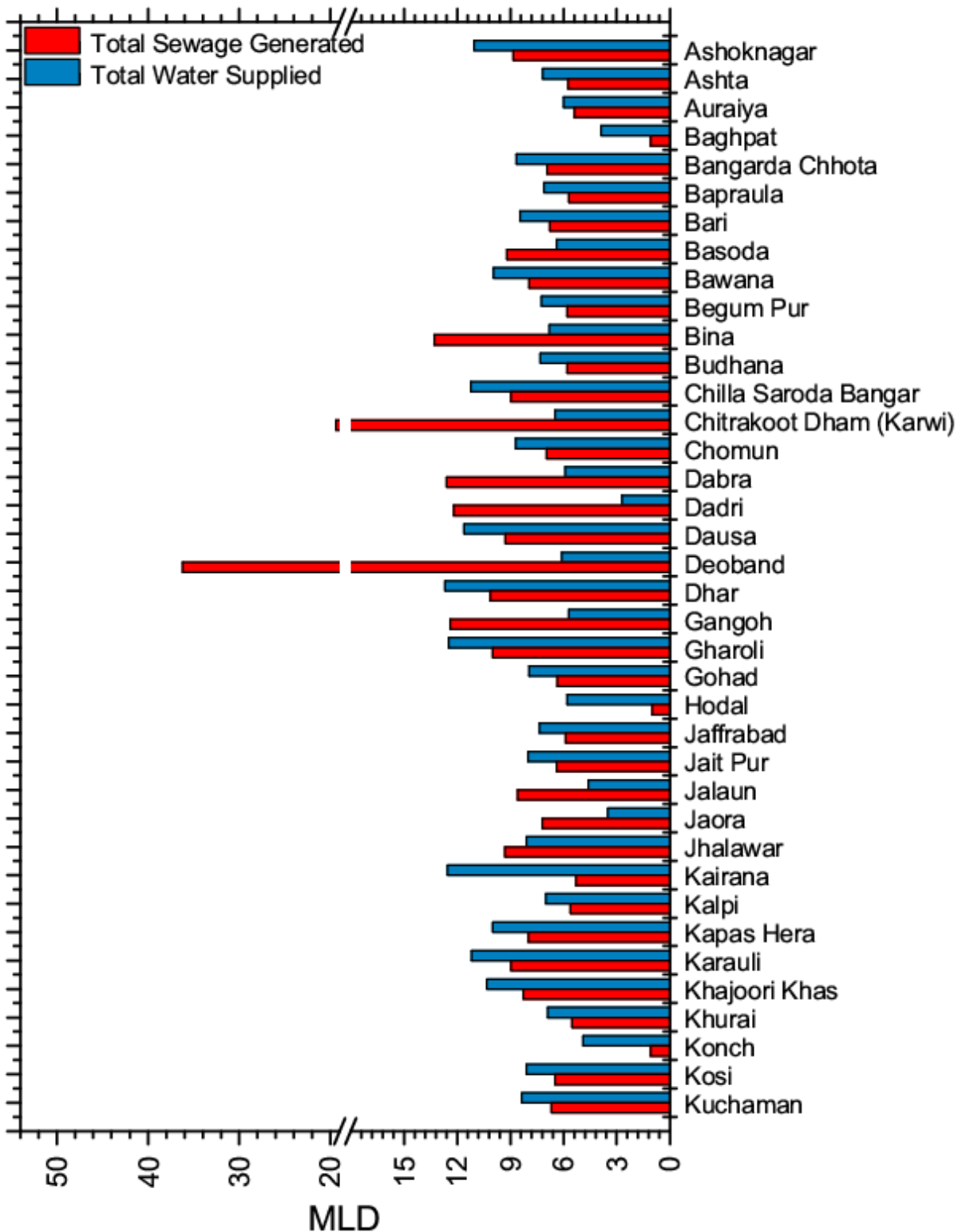


Figure 8b (Part i): Assessment of Water Supply and Sewage Generation (MLD) in Class II Towns in the Yamuna River Basin

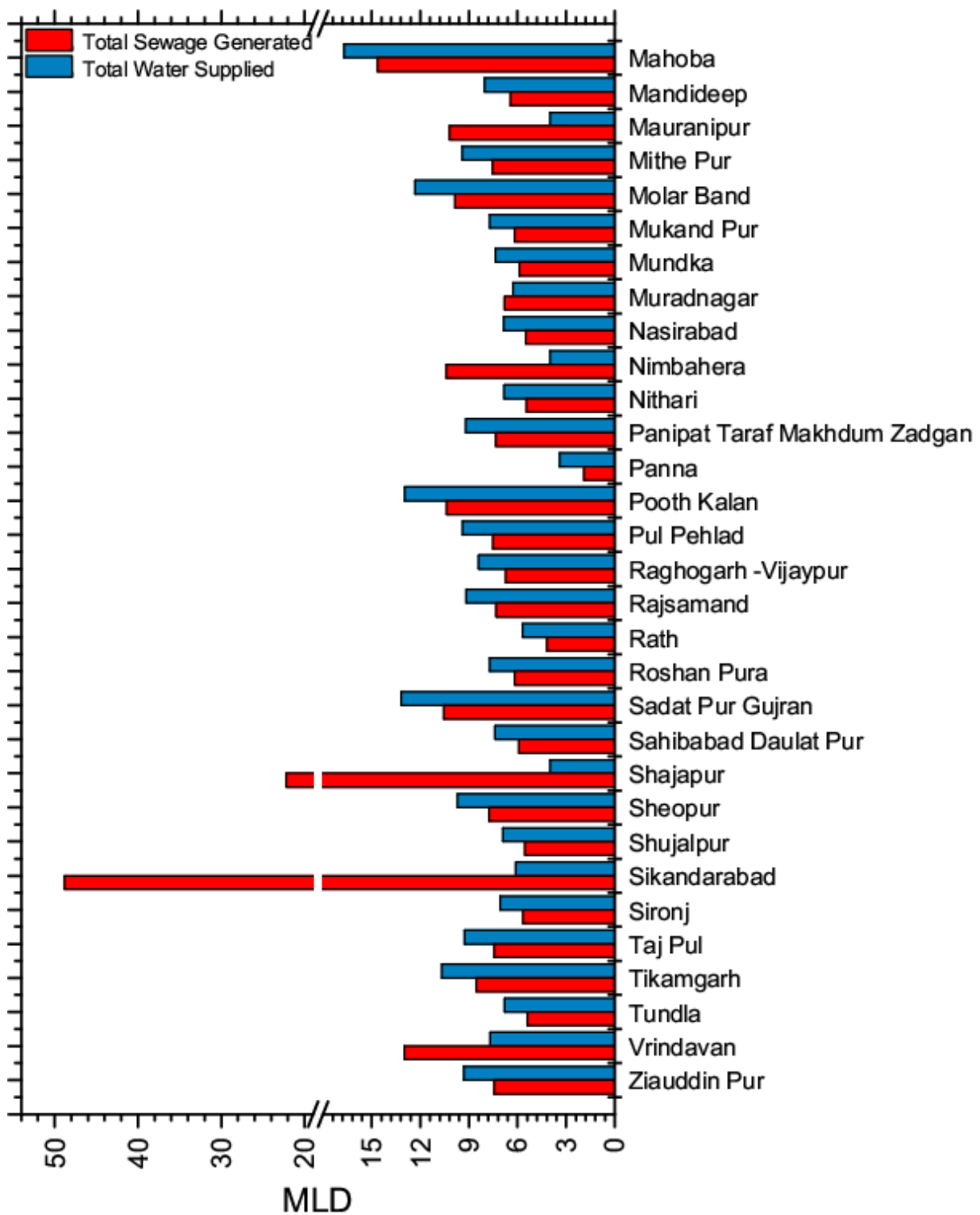


Figure 8b (Part ii): Assessment of Water Supply and Sewage Generation (MLD) in Class II Towns in the Yamuna River Basin

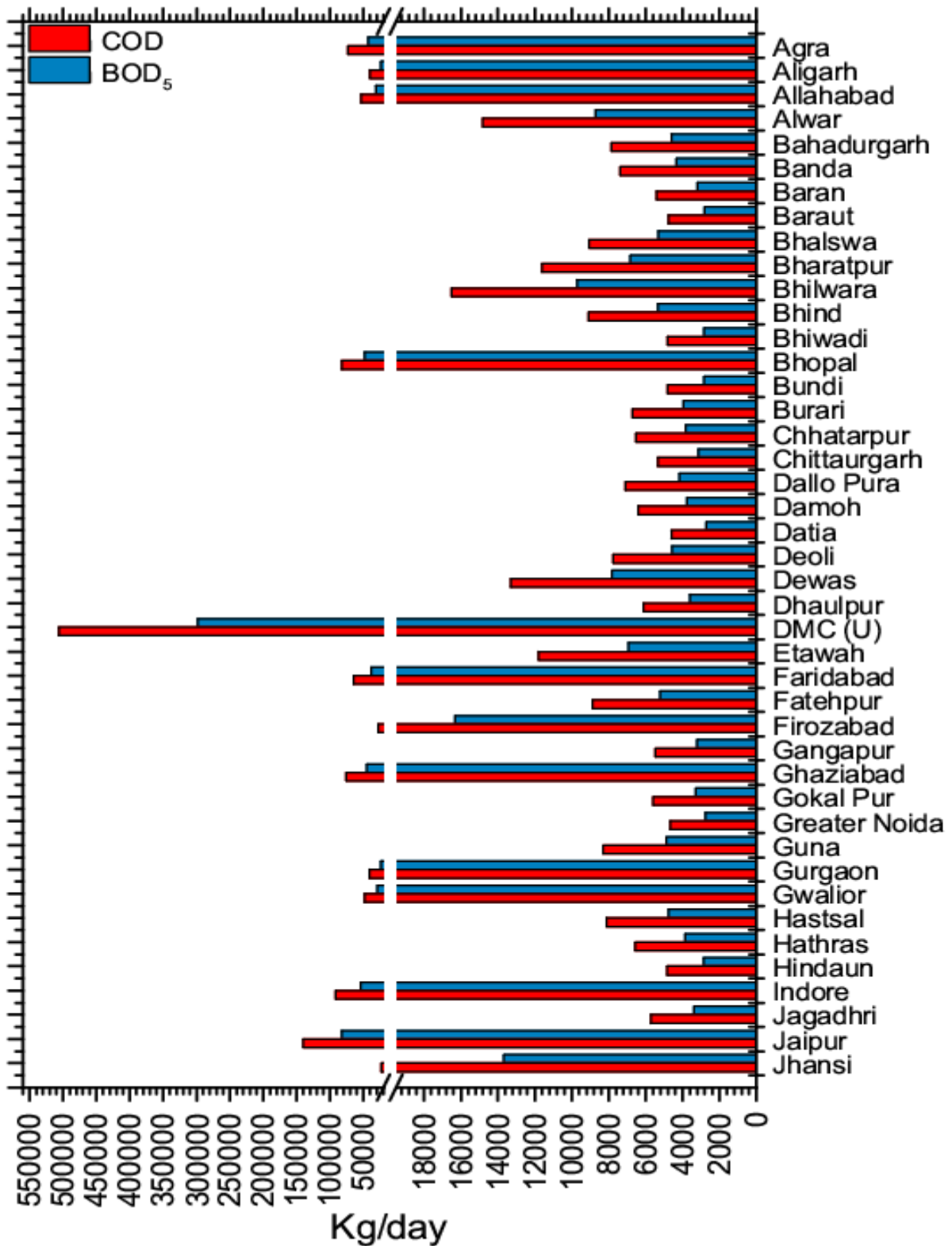


Figure 9a (Part i): Assessment of Water Organic Pollution Load (kg/day) from Class I Towns in the Yamuna River Basin

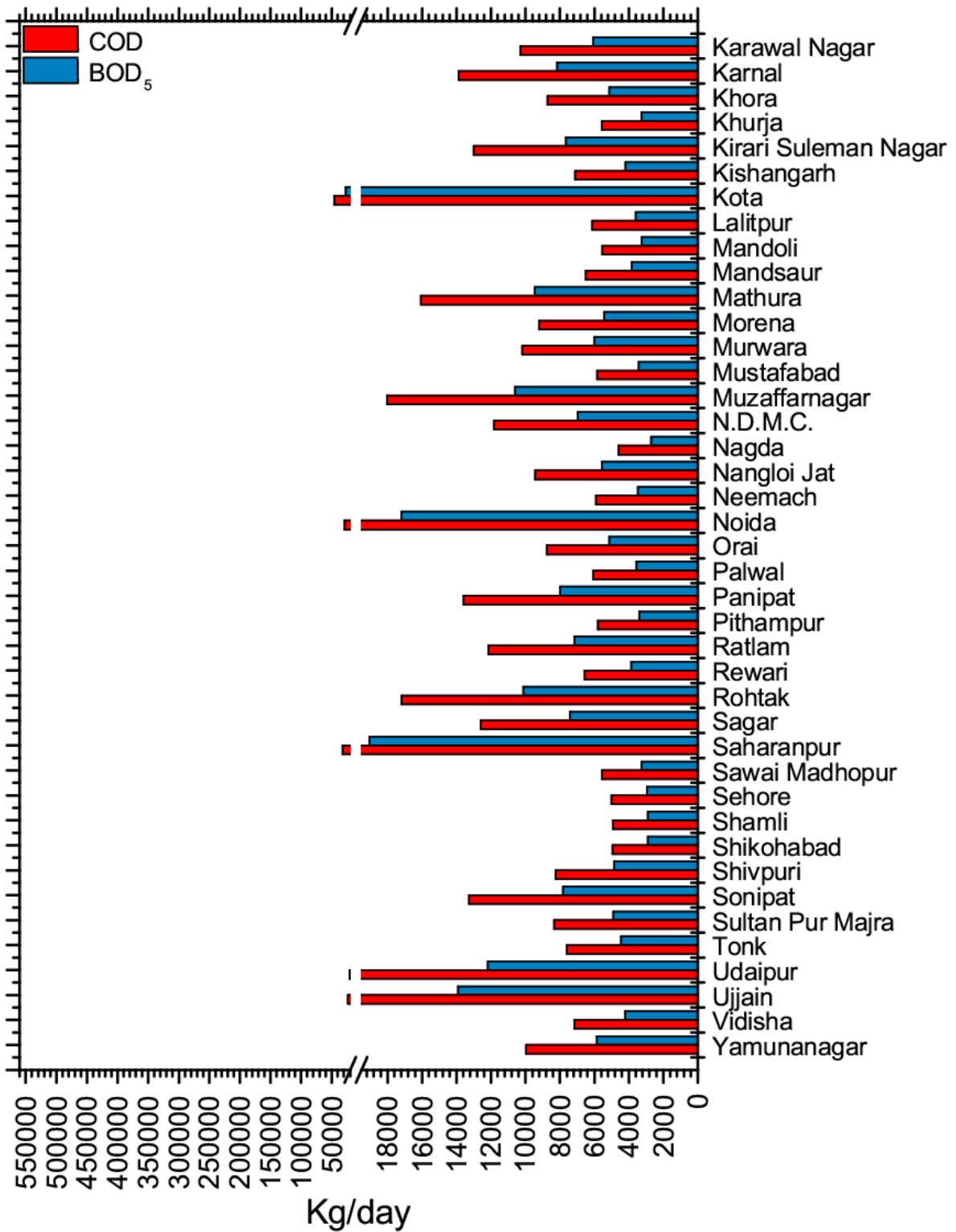


Figure 9a (Part ii): Assessment of Organic Pollution Load (kg/day) from Class I Towns in the Yamuna River Basin

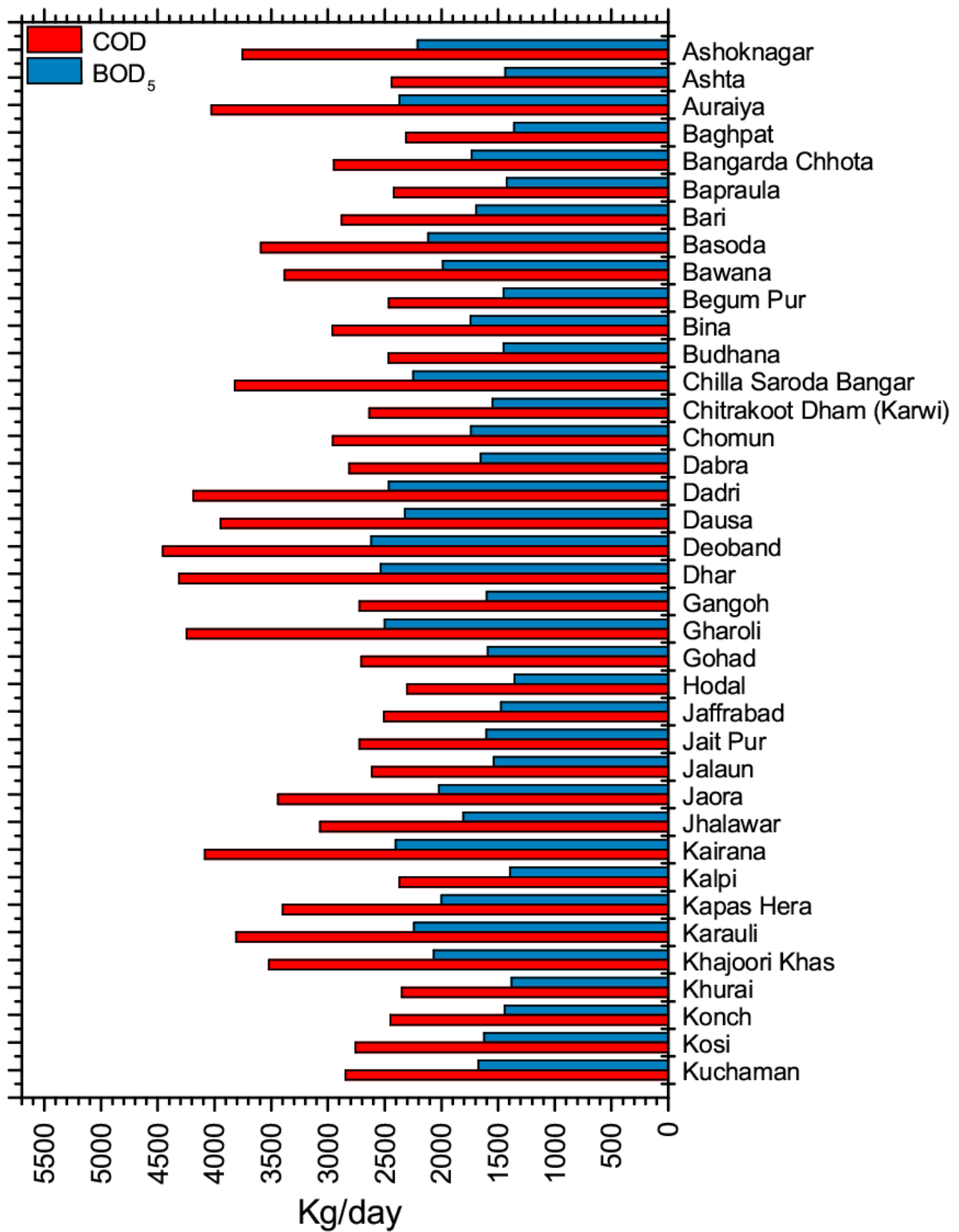


Figure 9b (Part i): Assessment of Water Organic Pollution Load (kg/day) from Class II Towns in the Yamuna River Basin

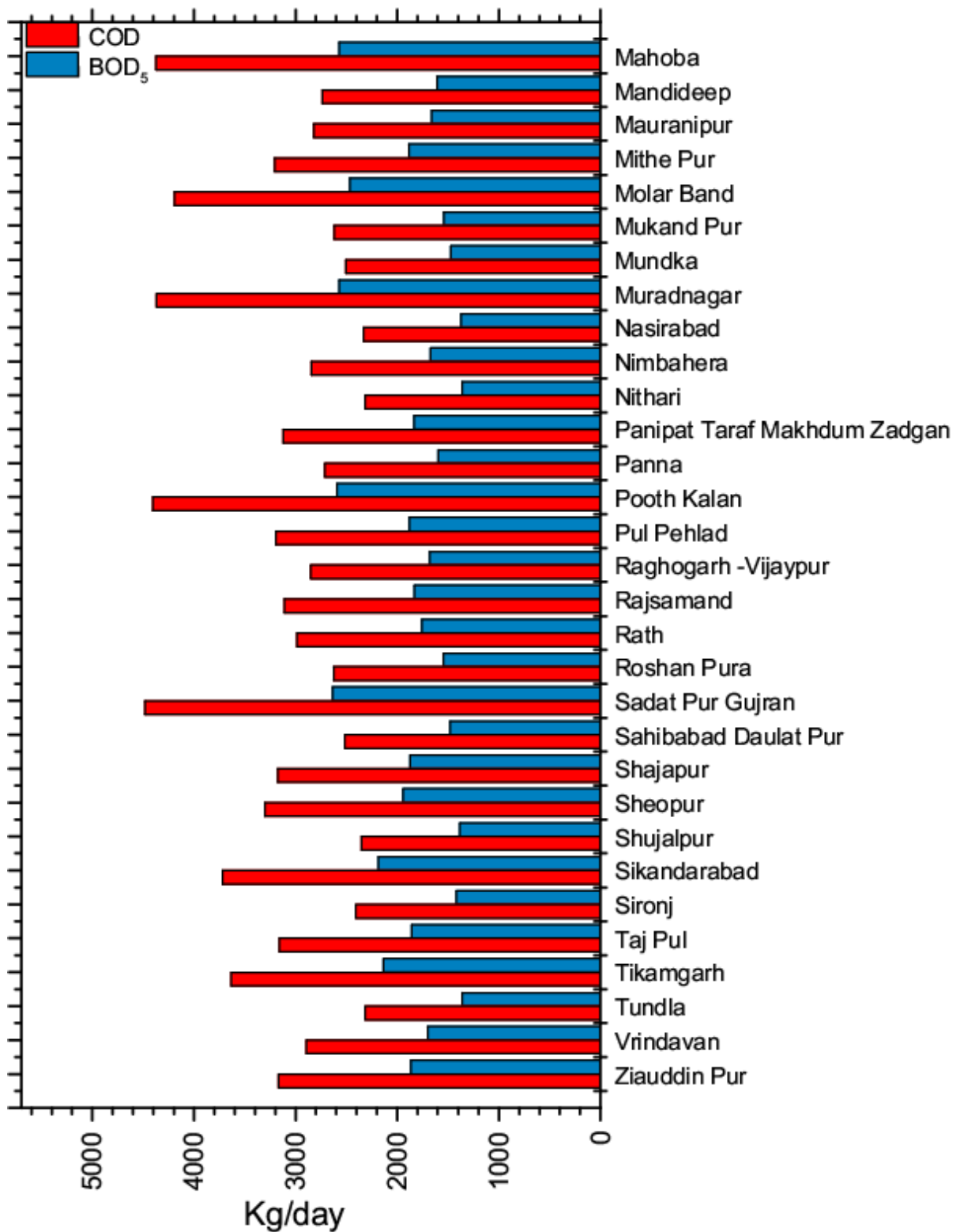


Figure 9b (Part ii): Assessment of Water Organic Pollution Load (kg/day) from Class II Towns in the Yamuna River Basin

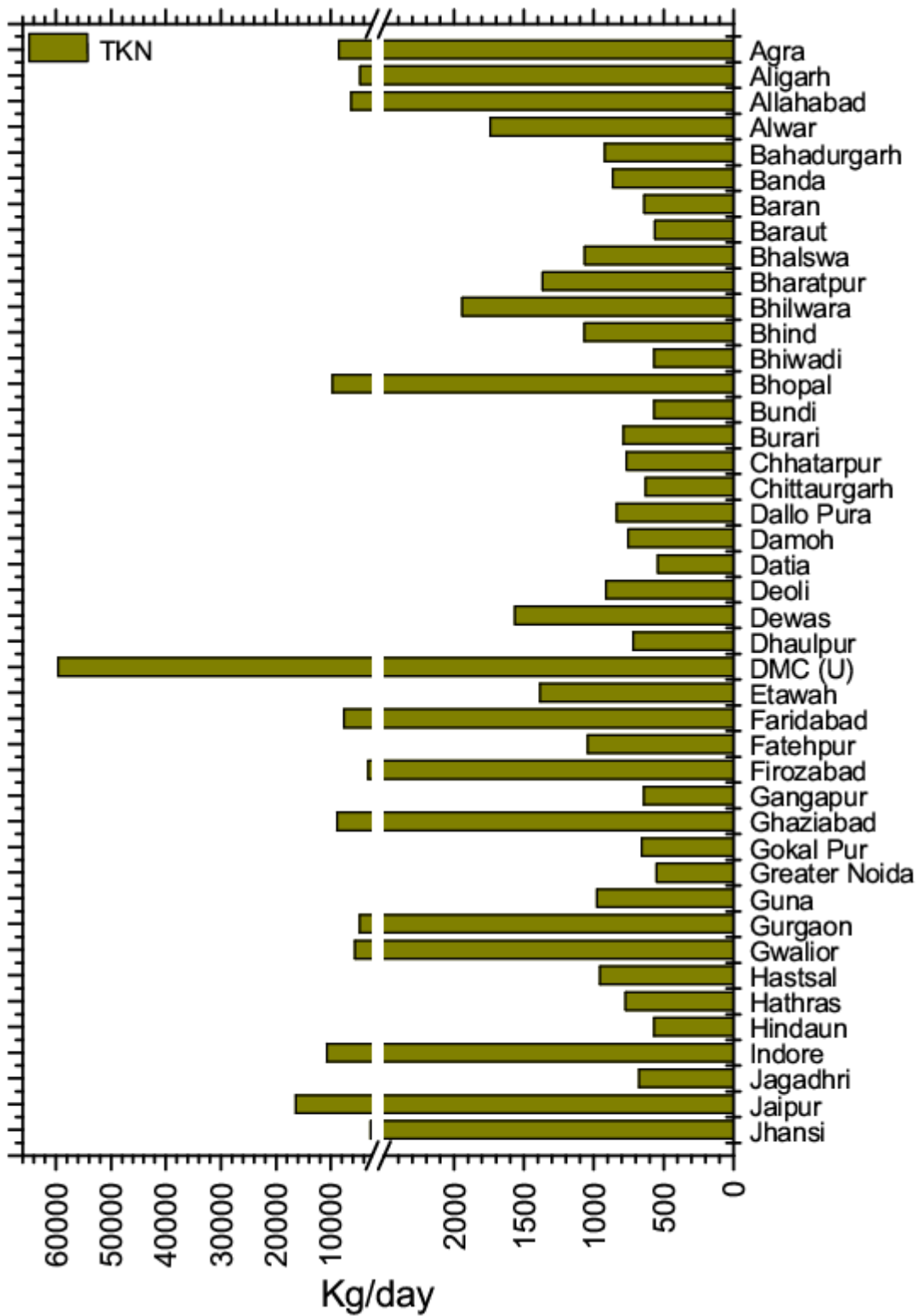


Figure 10a (Part i): Assessment of Water TKN Load (kg/day) from Class I Towns in the Yamuna River Basin

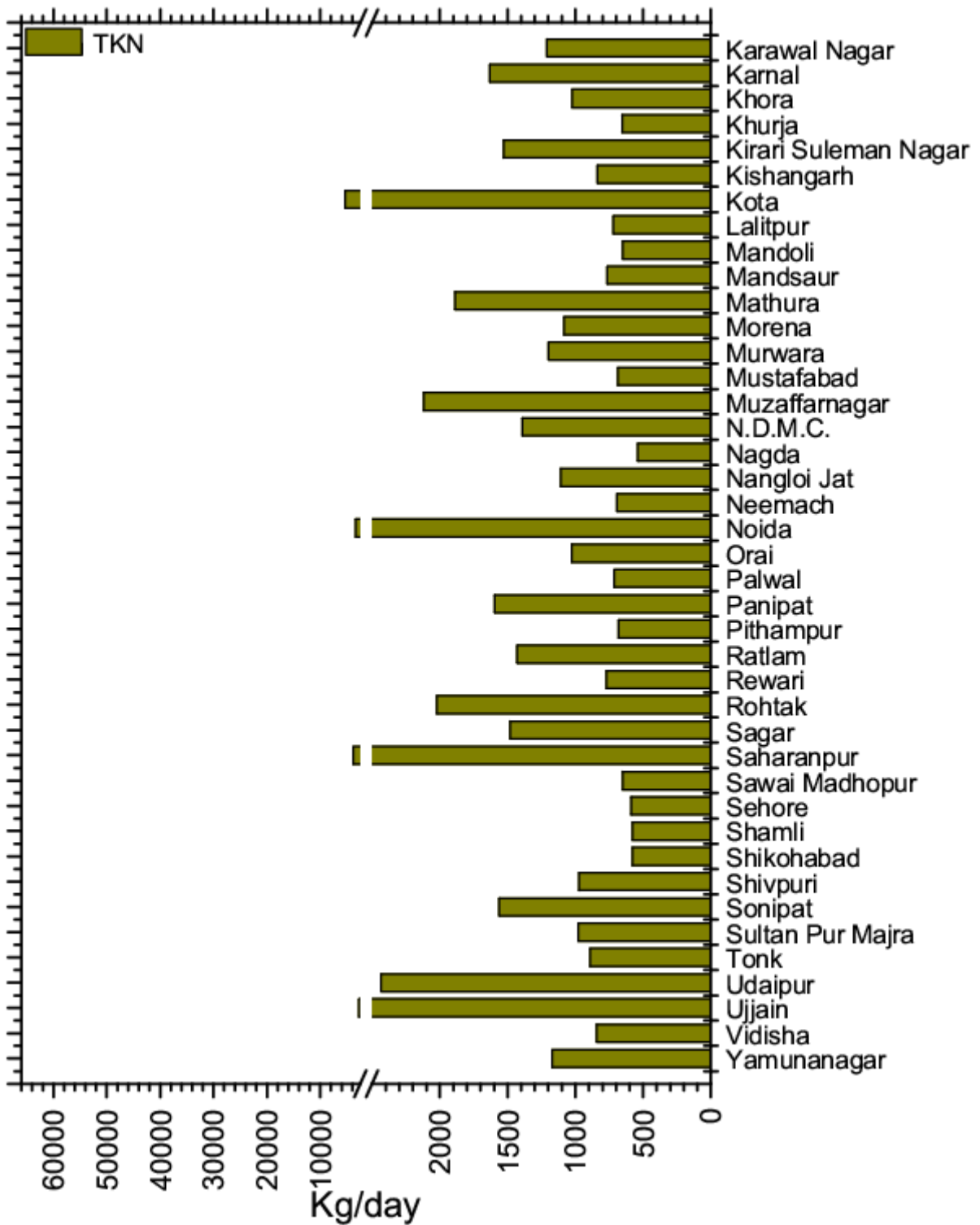


Figure 10a (Part ii): Assessment of Water TKN Load (kg/day) from Class I Towns in the Yamuna River Basin

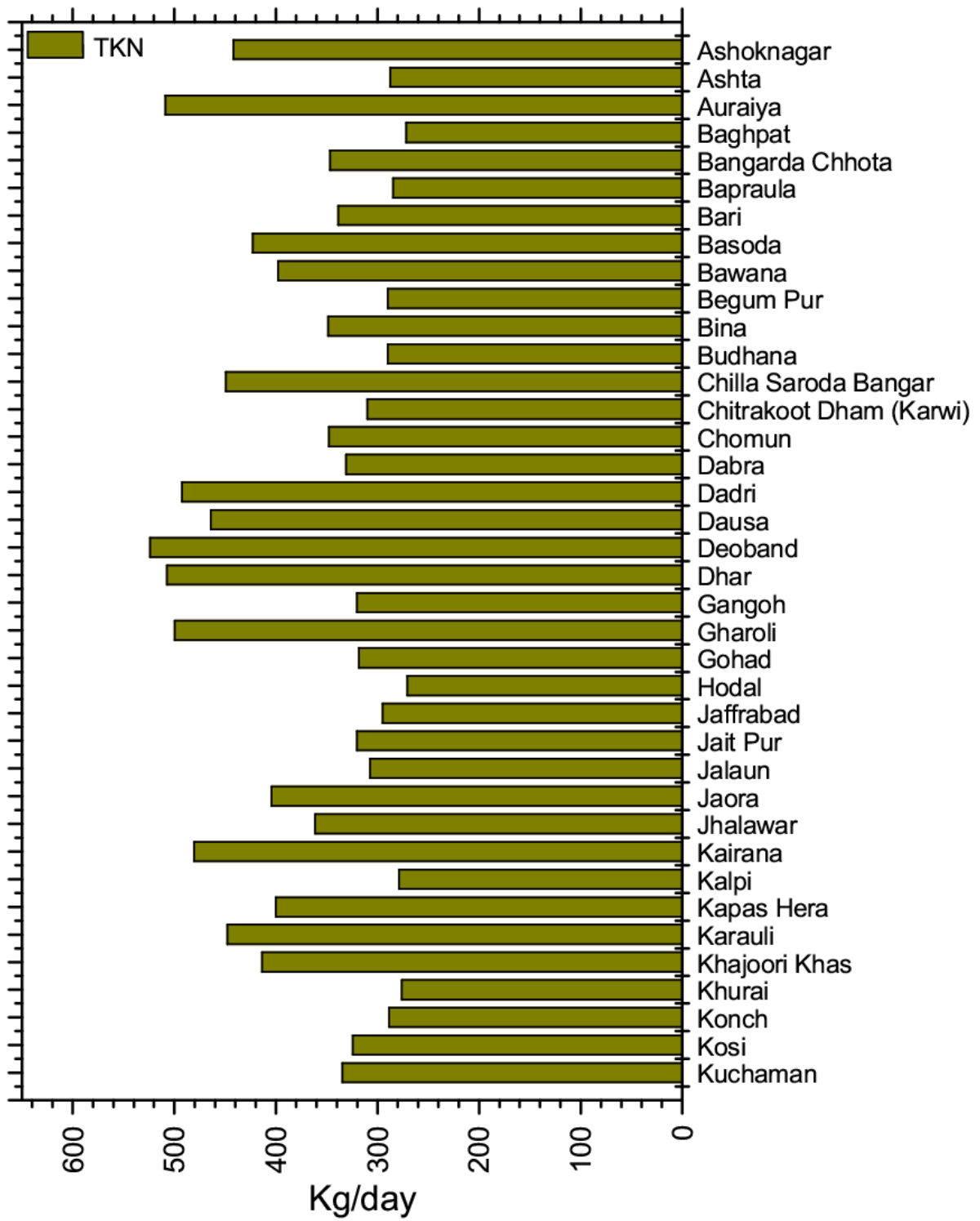


Figure 10b (Part i): Assessment of Water TKN Load (kg/day) from Class II Towns in the Yamuna River Basin

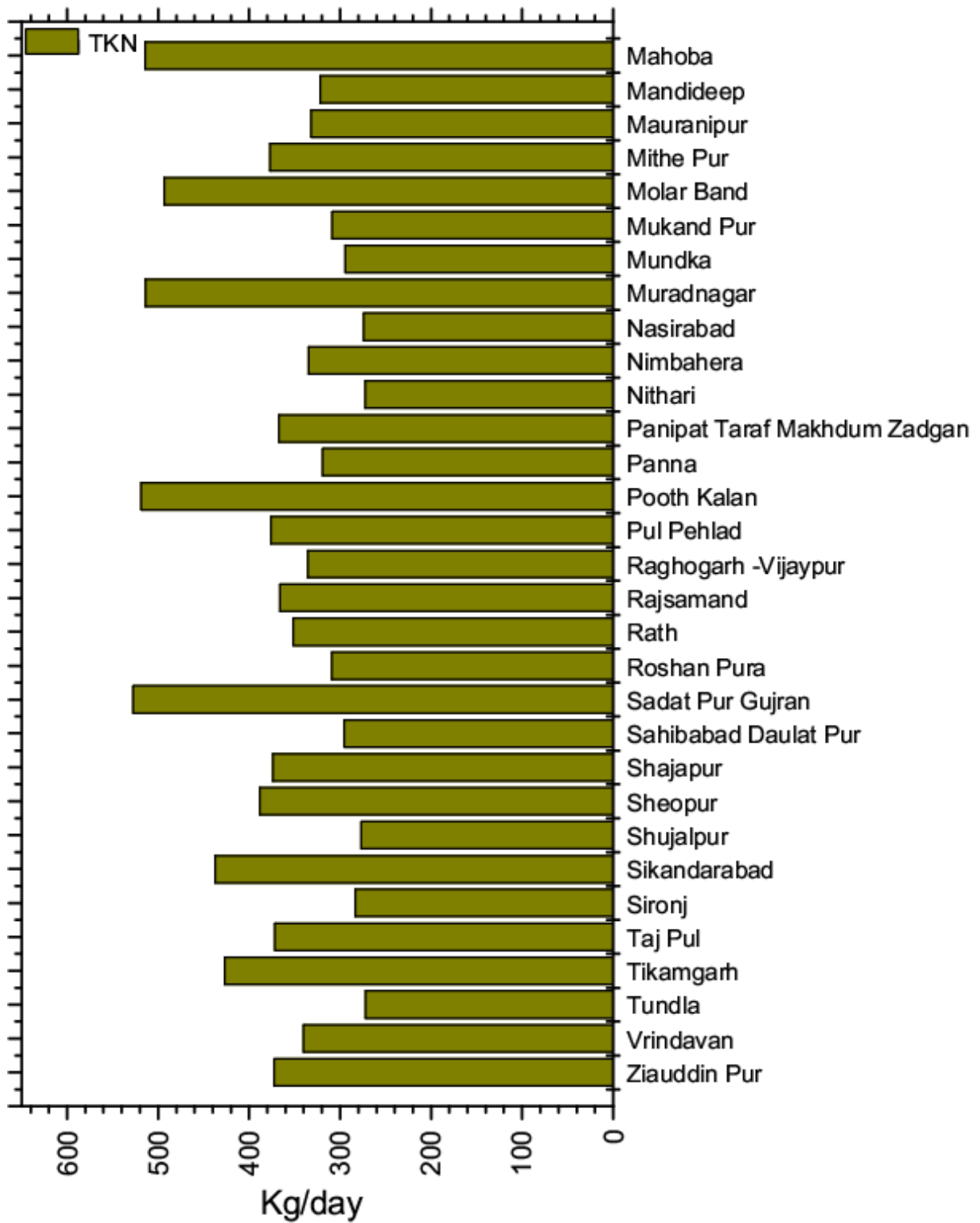


Figure 10b (Part ii): Assessment of Water TKN Load (kg/day) from Class II Towns in the Yamuna River Basin

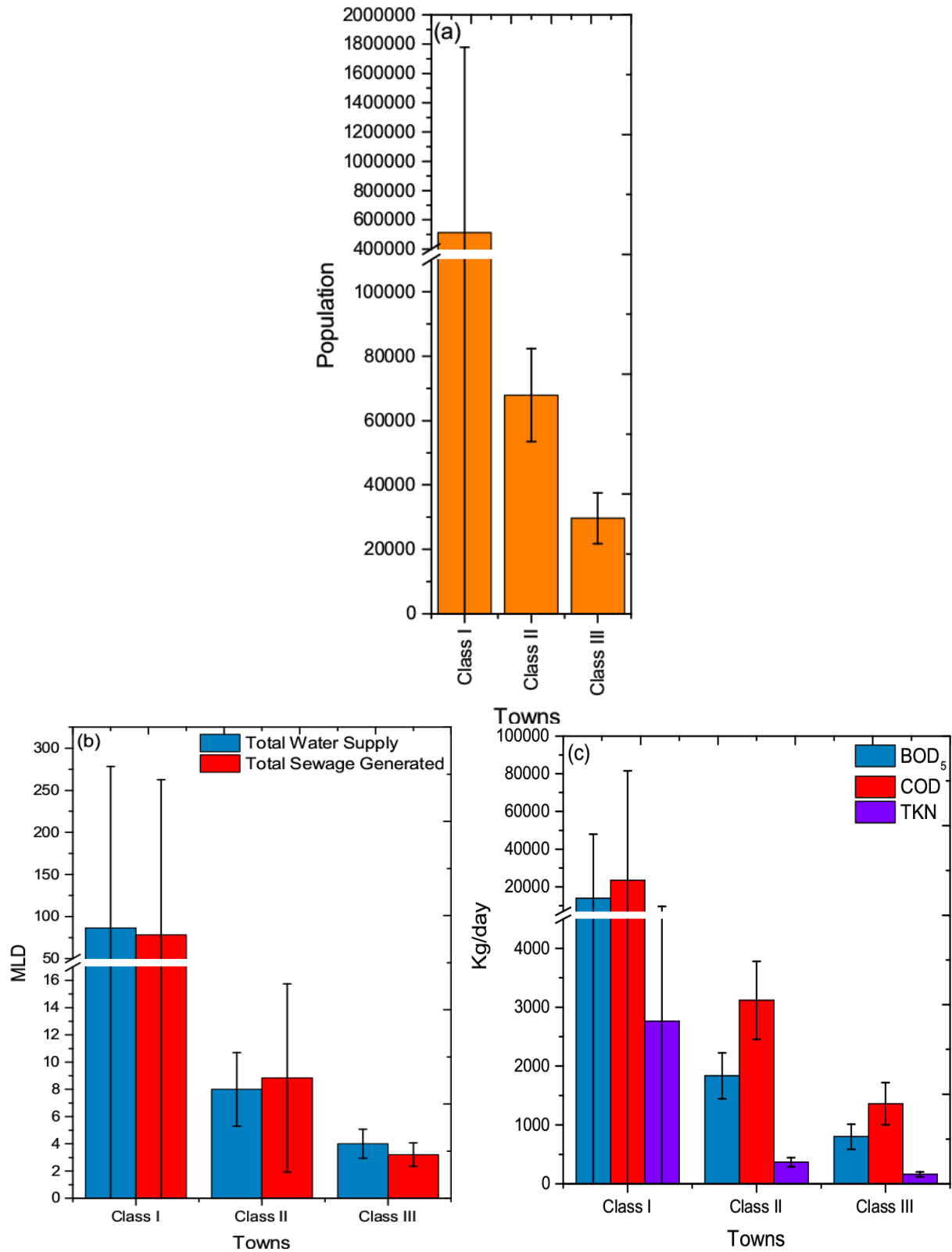


Figure 11: Comparative Analysis of Class I, Class II and Class III Cities/Towns Lying Under the Yamuna Basin: (a) Population (b) Total Water Supply and Sewage Generation (c) Pollution Load

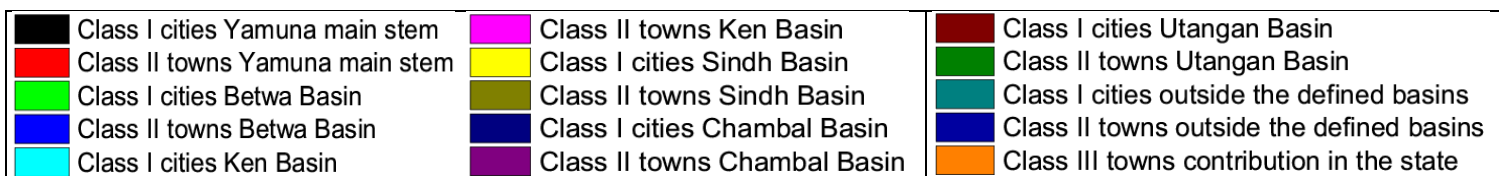
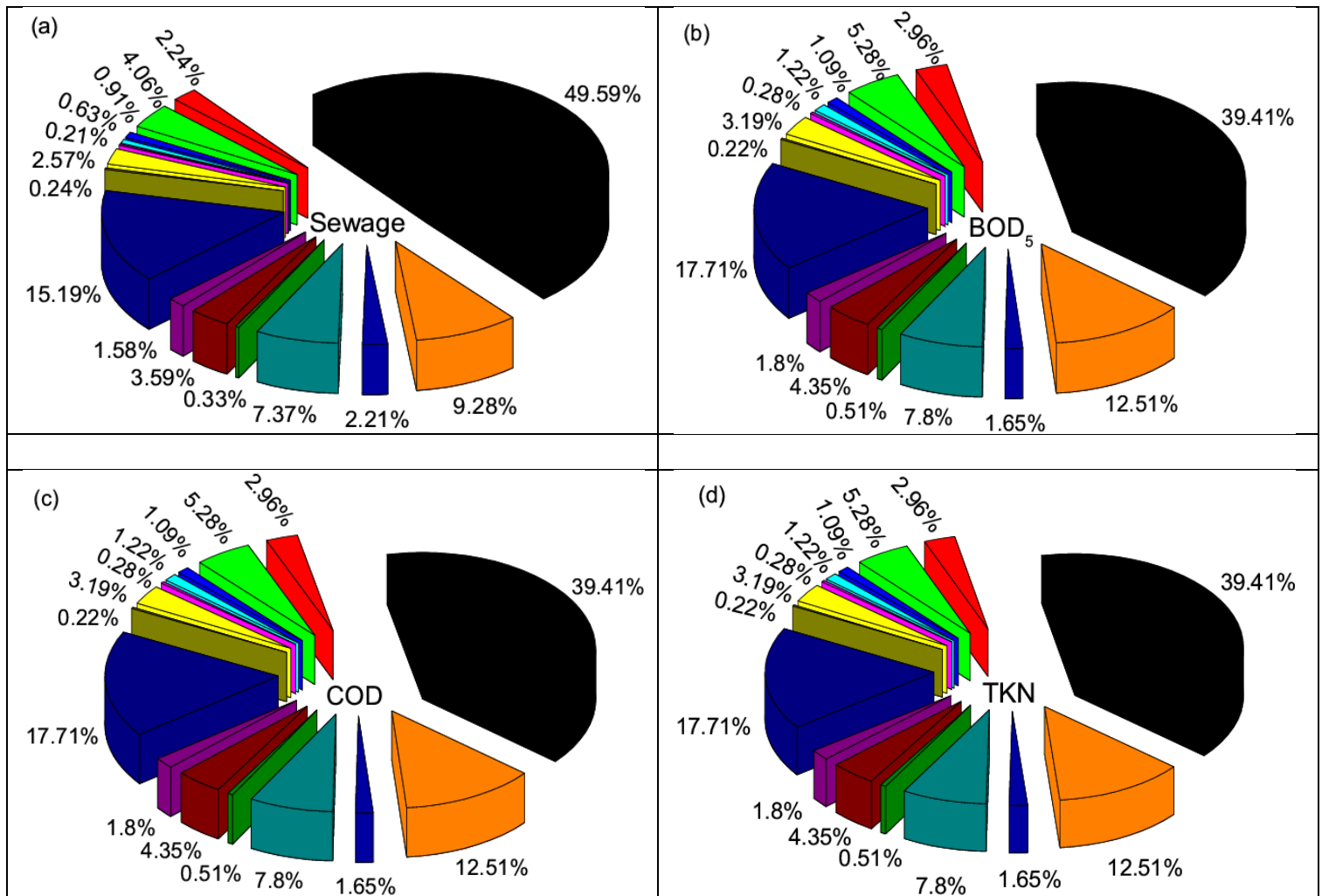


Figure 12 (a-d): Pollution load of Class I Cities and Class II, Class III Towns in the Major Basins Under the Yamuna Basin and Along the Main Stem of the River Yamuna: (a) Sewage Generation; (b) BOD₅; (c) COD; (d) TKN

The pollution loads of Class I cities, Class II and Class III towns under the major sub-basins of river Yamuna in the Yamuna basin have been evaluated (Figure 12a) and the results revealed that the percentage of the total sewage generation is maximum in Class I cities situated along the main stem of Yamuna (49.59%) followed by Class I cities in the Chambal basin (15.19%). Apart from the Chambal basin, other basins generated relatively lesser amount of sewage for Class I cities (Betwa: 4.06%; Utangan: 3.59%; Sindh: 2.57%; Ken: 0.63%). Class I cities outside the selected basins generated 7.37% of the total sewage generated in the Yamuna Basin. The sewage generation for Class II towns in all the selected sub-basins under Yamuna basin is less than one percent of the total sewage generated in the Yamuna basin by Class I, II and III cities/ towns except in Chambal sub-basin where the Class II towns sewage generation is more than one percent (1.58%). Class II towns outside the major defined sub-basins release 2.21% of sewage water. The Class II towns along the main stem of river Yamuna also contribute a significant 2.24% of the total sewage generation in the Yamuna basin. The percentage sewage generation by Class III towns of the entire Yamuna basin is 9.28%.

The BOD, COD and TKN load contributed by Class I cities of the main stem of Yamuna is 39.41%. The Class III towns of the basin impart around 12.51% of the total BOD, COD and TKN load. The sub-basin wise major contributors of Class I cities for BOD, COD and TKN load are Chambal (17.71%), Betwa (5.28%), Utangan (4.35%), Sindh (3.19%) and Ken (1.22%). But significant BOD, COD and TKN loads are also contributed by the Class I cities and Class II towns lying outside the selected basins (7.80 and 1.65%, respectively). The sub-basin wise contributors of Class II cities for BOD, COD and TKN load are Chambal (1.80%), Betwa (1.09%), Utangan (0.51%), Ken (0.28%) and Sindh (0.22%). The details of the BOD and COD load in the state are presented in Figure 12b and c. The TKN load is presented in Figure 12d.

6. Conclusions

Yamuna river basin is one of the major river basin in India. River Yamuna is a tributary of Ganga river system, originating from the Yamunotri glacier near Bundar Punch in the lower Himalayas at an elevation of about 6,320 m. It is being polluted by many point and nonpoint sources. The scenario of water quality in the system fluctuates from bad to worse based on the spatial and temporal alterations. Multitudinous problems also arise during lean season due to the continuous discharge of untreated and/or partially treated sewage and industrial wastewater. The water quality of the river deteriorates extensively in the middle stretch of the river between Delhi to Agra, where the river gets converted into an open drain due to unavailability of water and merging of large number of cumulative discharges of domestic, industrial and agricultural waste waters. The catchment of the river bears the pollution load of 84 Class I cities, 69 Class II towns and 229 Class III towns, directly or indirectly. The main Class I cities of the state falling on at the bank of Yamuna river are Agra, Allahabad, Delhi, Yamuna Nagar, Etawah, Faridabad, Fatehpur, Greater Noida, Mathura and others.

The maximum sewage generation in the basin is from Class I cities (83.01%) followed by Class III (9.28%) and Class II towns (7.72%). Pollution load (BOD, COD and TKN load) also follows the same trend with maximum values for Class I cities. DMC(U) and Sikandrabad are the Class I and Class II towns, respectively that show maximum sewage generation in comparison to their water supply. The maximum BOD, COD and TKN contributing Class I cities, Class II and III towns are DMC(U), Sadat Pur Gujran and Kotputli while the minimum loads are from Nagda (Class I), Hodal (Class II) and Maksi (Class III) in the basin.



Plate 1: Major drains disposing sewage into River Yamuna

References

- Central Pollution Control Board (CPCB) (2006). Water quality status of Yamuna River (1999 – 2005). Assessment and Development of River Basin Series: ADSORBS/41/2006-07. Accessible at <http://www.cpcb.nic.in/newitems/11.pdf>. Accessed: 30th Nov 2012.
- Chauhan, P.P., Nigam, A. and Santvan, V.K. (2014). Ethnobotanical survey of trees in Pabbar valley, Distt. Shimla, Himachal Pradesh. *Life Sciences Leaflets*. 52: 24-39.
- Dwivedi, A.C. (2006). Age structure of some commercially exploited fish stocks of the Ganga river system Banda-Mirzapur section. D Phil Thesis, Allahabad University, Allahabad, India.
- Garg, V., Khwanchanok, A., Gupta, P.K., Aggarwal, S.P., Kiriwongwattana, K., Thakur, P.K. and Nikam, B.R. (2012). Urbanisation Effect on Hydrological Response: A Case Study of Asan River Watershed, India. *Journal of Environment and Earth Science*. 2 (9): 39-50.
- Gopal, B. and Sah, M. (1993). Conservation and management of rivers in India: Case study of the River Yamuna. *Environmental Conservation*. 20: 243–254.
- Gopal, B. (2003). Enhancing water flow in River Yamuna at Delhi: Research and Action Plan. <http://www.aquaticecosystems.org/wp-content/uploads/2015/06/Yamuna-Flow-Report2002.pdf>. Accessed: 15th April, 2015.
- India-WRIS (2015). http://india-wris.nrsc.gov.in/wrpinfo/index.php?title=Large_Dams_in_India. Accessed: 22nd March, 2015.
- Mathur, R.P. and Kapoor, V. (2013). Floral and Faunal Diversity in Yamuna River Yamnotri – Allahabad. http://52.7.188.233/sites/default/files/034_ENB_YAMUNA.pdf. Accessed: 20th May, 2013.
- Misra, H.N. and Mishra, A. (2014). Perennials in Peril: A case of the Yamuna river basin. Mishra, H.N. (Eds.), PHI learning Private Ltd., Delhi, pp. 189-201.
- Panwar, H.S. (2009). Reviving river Yamuna: An actionable blue print for a blue river. PEACE Institute Charitable Trust: Delhi, India.
- Rai, R.K., Upadhyay, A., Ojha, C.S.P. and Singh, V.P. (2012). The Yamuna River Basin. *Water Science and Technology Library*, Vol. 66, DOI 10.1007/978-94-007-2001-5_7, ©Springer Science+Business Media B.V. 2012.
- Raychaudhuri, S.P., Roy, B.B., Gupta, S.P. and Dewan, M.L. (1963). Slack soils of India. *National Institute of Science of India, India*, p 163.

Appendix-1

Compilation of Fact Sheets of Water Balance & Pollution Load (Domestic) of Major Class I Cities in Yamuna Basin

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Agra		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	120.57
2	Population as in 2011	:	1585704
3	Population Growth Rate as in 2011 (%)	:	24.36
4	Total Number of Wards	:	90
5	Population per Ward (Thousands)	:	17,619
6	Total Number of Household as in 2011	:	267945
7	Number of Household per Ward	:	2977
8	Surface Water Supply (MLD)	:	285
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	7058
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	2
15	Total Pumping Capacity (MLD)	:	285
16	Average Water Supply Rate from ULB Sources (lpcd)	:	179.73
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	288.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	182.00
19	Total Sewage Generation (MLD)*	:	154.40
20	Per Capita Sewage Generation (lpcd)	:	88.20
21	Sewage Collection (MLD)	:	106.50
22	Percentage of Sewage Collection (%)	:	68.98
23	Number of STPs	:	5
24	Total Installed Capacity of STPs under GAP & YAP I & II (MLD)	:	116
25	Current Utilized Capacity of STPs (MLD)	:	106.50
26	Percentage Utilization of Installed Capacity (%)	:	91.80
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	100
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 42814.00
		COD	: 72783.80
		TKN	: 8562.80
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	11
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Aligarh		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	40.43
2	Population as in 2011	:	874408
3	Population Growth Rate as in 2011 (%)	:	30.69
4	Total Number of Wards	:	70
5	Population per Ward (Thousands)	:	12,492
6	Total Number of Household as in 2011	:	147363
7	Number of Household per Ward	:	2105
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	69.10
10	Number of Bore Wells	:	72
11	Ground Water Extraction per Bore Well (MLD)	:	0.96
12	Number of Hand Pumps/ Tubewells	:	4100
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	79.02
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	71.15
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	81.37
19	Total Sewage Generation (MLD)*	:	62.21
20	Per Capita Sewage Generation (lpcd)	:	71.14
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 23609.00
		COD	: 40135.30
		TKN	: 4721.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	21
34	Gross Area of Water Bodies (Hectare)	:	8.42
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Allahabad		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	70.05
2	Population as in 2011	:	1168385
3	Population Growth Rate as in 2011 (%)	:	14.76
4	Total Number of Wards	:	80
5	Population per Ward (Thousands)	:	14605
6	Total Number of Household as in 2011	:	205529
7	Number of Household per Ward	:	2569
8	Surface Water Supply (MLD)	:	70
9	Ground Water (GW) Supply (MLD)	:	171.50
10	Number of Bore Wells	:	189
11	Ground Water Extraction per Bore Well (MLD)	:	1.12
12	Number of Hand Pumps	:	2383
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	3
15	Total Pumping Capacity (MLD)	:	70
16	Average Water Supply Rate from ULB Sources (lpcd)	:	172.50
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	242.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	207.70
19	Total Sewage Generation (MLD)	:	221.40
20	Per Capita Sewage Generation (lpcd)	:	189.50
21	Sewage Collection (MLD)	:	87.50
22	Percentage of Sewage Collection (%)	:	39.50
23	Number of STPs	:	2
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	89
25	Current Utilized Capacity of STPs (MLD)	:	87.50
26	Percentage Utilization of Installed Capacity (%)	:	98.30
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	60
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: 25203.60
		COD	: 67256.20
		TKN	: 10230.20
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 31546.40
		COD	: 53628.90
		TKN	: 6309.30
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Ganga, Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	57 (Tapped: 15)
33	Number of Water Bodies	:	17
34	Gross Area of Water Bodies (Hectare)	:	8.44
35	Area of Water Bodies as % of Total Area	:	<<1.0

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Alwar		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	48.40
2	Population as in 2011	:	322568
3	Population Growth Rate as in 2011 (%)	:	21.17
4	Total Number of Wards	:	52
5	Population per Ward (Thousands)	:	6203
6	Total Number of Household as in 2011	:	62776
7	Number of Household per Ward	:	1207
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	350
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	36.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	112.20
19	Total Sewage Generation (MLD)*	:	29.00
20	Per Capita Sewage Generation (lpcd)	:	89.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 8709.30
		COD	: 14805.90
		TKN	: 1741.90
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	0
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bahadurgarh		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	29.50
2	Population as in 2011	:	170767
3	Population Growth Rate as in 2011 (%)	:	29.44
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	5509
6	Total Number of Household as in 2011	:	34910
7	Number of Household per Ward	:	1126
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tube wells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	23.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	18.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	3.00
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	18.00
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	1.00
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4610.70
		COD	: 7838.20
		TKN	: 922.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Banda		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	16.00
2	Population as in 2011	:	160473
3	Population Growth Rate as in 2011 (%)	:	15.09
4	Total Number of Wards	:	28
5	Population per Ward (Thousands)	:	4980
6	Total Number of Household as in 2011	:	29162
7	Number of Household per Ward	:	1042
8	Surface Water Supply (MLD)	:	9.57
9	Ground Water (GW) Supply (MLD)	:	13.11
10	Number of Bore Wells	:	21
11	Ground Water Extraction per Bore Well (MLD)	:	0.62
12	Number of Hand Pumps/ Tubewells	:	834
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	9.57
16	Average Water Supply Rate from ULB Sources (lpcd)	:	141.14
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	23.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	143.90
19	Total Sewage Generation (MLD)*	:	13.50
20	Per Capita Sewage Generation (lpcd)*	:	84.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	4
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4332.80
		COD	: 7365.70
		TKN	: 866.60
30	Wastewater Disposal Means	:	Land & River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Ken River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Baran		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	72.36
2	Population as in 2011	:	117992
3	Population Growth Rate as in 2011 (%)	:	49.99
4	Total Number of Wards	:	35
5	Population per Ward (Thousands)	:	3371
6	Total Number of Household as in 2011	:	23277
7	Number of Household per Ward	:	665
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	71.80
19	Total Sewage Generation (MLD)*	:	6.80
20	Per Capita Sewage Generation (lpcd)	:	57.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3185.80
		COD	: 5415.80
		TKN	: 637.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Parbati, Parvan, Kali Sindh River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Baraut		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	10.36
2	Population as in 2011	:	103764
3	Population Growth Rate as in 2011 (%)	:	21.07
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	4,151
6	Total Number of Household as in 2011	:	17924
7	Number of Household per Ward	:	717
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	21
10	Number of Bore Wells	:	18
11	Ground Water Extraction per Bore Well (MLD)	:	1.17
12	Number of Hand Pumps/ Tubewells	:	424
13	Ground Water Extraction per Hand Pump (lpcd)	:	600
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	202.40
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	21.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	204.80
19	Total Sewage Generation (MLD)*	:	7.90
20	Per Capita Sewage Generation (lpcd)*	:	76.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2801.60
		COD	: 4762.80
		TKN	: 560.30
30	Wastewater Disposal Means	:	Land & River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bhalswa Jahangir Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	6.70
2	Population as in 2011	:	197148
3	Population Growth Rate as in 2011 (%)	:	29.41
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	65716
6	Total Number of Household as in 2011	:	38157
7	Number of Household per Ward	:	12719
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	26.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	21.30
20	Per Capita Sewage Generation (lpcd)*	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5323.00
		COD	: 9049.10
		TKN	: 1064.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bharatpur		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	57.77
2	Population as in 2011	:	252838
3	Population Growth Rate as in 2011 (%)	:	23.19
4	Total Number of Wards	:	53
5	Population per Ward (Thousands)	:	4771
6	Total Number of Household as in 2011	:	45914
7	Number of Household per Ward	:	9866
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	131
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	23.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	92.00
19	Total Sewage Generation (MLD)*	:	16.60
20	Per Capita Sewage Generation (lpcd)	:	65.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 6826.60
		COD	: 11605.30
		TKN	: 1365.30
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	8
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bhilwara		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	118.49
2	Population as in 2011	:	359483
3	Population Growth Rate as in 2011 (%)	:	28.33
4	Total Number of Wards	:	50
5	Population per Ward (Thousands)	:	7,190
6	Total Number of Household as in 2011	:	74184
7	Number of Household per Ward	:	1484
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	1600
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	32.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	90.10
19	Total Sewage Generation (MLD)*	:	21.70
20	Per Capita Sewage Generation (lpcd)	:	60.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 9706.00
		COD	: 16500.30
		TKN	: 1941.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kothari, Banas River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	9
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bhind		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	17.18
2	Population as in 2011	:	197585
3	Population Growth Rate as in 2011 (%)	:	28.51
4	Total Number of Wards	:	39
5	Population per Ward (Thousands)	:	5,066
6	Total Number of Household as in 2011	:	33592
7	Number of Household per Ward	:	861
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	19.08
10	Number of Bore Wells	:	42
11	Ground Water Extraction per Bore Well (MLD)	:	0.45
12	Number of Hand Pumps/ Tubewells	:	5400
13	Ground Water Extraction per Hand Pump (lpcd)	:	1000
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	24.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	124.00
19	Total Sewage Generation (MLD)*	:	19.60
20	Per Capita Sewage Generation (lpcd)	:	99.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5334.80
		COD	: 9069.20
		TKN	: 1067.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kunwari River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	27.00
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bhiwadi		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	44.06
2	Population as in 2011	:	104921
3	Population Growth Rate as in 2011 (%)	:	209.71
4	Total Number of Wards	:	35
5	Population per Ward (Thousands)	:	2998
6	Total Number of Household as in 2011	:	24449
7	Number of Household per Ward	:	699
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	14.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	NA
19	Total Sewage Generation (MLD)*	:	11.30
20	Per Capita Sewage Generation (lpcd)	:	107.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2832.90
		COD	: 4815.90
		TKN	: 566.60
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bhopal		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	285.88
2	Population as in 2011	:	1798218
3	Population Growth Rate as in 2011 (%)	:	23.30
4	Total Number of Wards	:	70
5	Population per Ward (Thousands)	:	25,689
6	Total Number of Household as in 2011	:	382690
7	Number of Household per Ward	:	5467
8	Surface Water Supply (MLD)	:	211.96
9	Ground Water (GW) Supply (MLD)	:	15.14
10	Number of Bore Wells	:	1675
11	Ground Water Extraction per Bore Well (MLD)	:	0.01
12	Number of Hand Pumps/ Tubewells	:	5275
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	211.96
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	229.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	127.70
19	Total Sewage Generation (MLD)*	:	168.50
20	Per Capita Sewage Generation (lpcd)	:	93.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 48551.90
		COD	: 82538.20
		TKN	: 9710.40
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	5
33	Number of Water Bodies	:	29
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bundi		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	27.79
2	Population as in 2011	:	104919
3	Population Growth Rate as in 2011 (%)	:	18.06
4	Total Number of Wards	:	41
5	Population per Ward (Thousands)	:	2559
6	Total Number of Household as in 2011	:	20555
7	Number of Household per Ward	:	501
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	372
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	1
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	18.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	171.60
19	Total Sewage Generation (MLD)*	:	29.80
20	Per Capita Sewage Generation (lpcd)	:	284
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2832.80
		COD	: 4815.80
		TKN	: 566.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Mez River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Burari		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	11.20
2	Population as in 2011	:	146190
3	Population Growth Rate as in 2011 (%)	:	110.85
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	48730
6	Total Number of Household as in 2011	:	28610
7	Number of Household per Ward	:	9537
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	NA
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	19.70
19	Total Sewage Generation (MLD)*	:	135.00
20	Per Capita Sewage Generation (lpcd)	:	15.80
21	Sewage Collection (MLD)	:	108.00
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3947.10
		COD	: 6710.10
		TKN	: 789.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Chhatarpur		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	15.56
2	Population as in 2011	:	142128
3	Population Growth Rate as in 2011 (%)	:	30.30
4	Total Number of Wards	:	40
5	Population per Ward (Thousands)	:	3,553
6	Total Number of Household as in 2011	:	26793
7	Number of Household per Ward	:	670
8	Surface Water Supply (MLD)	:	0.75
9	Ground Water (GW) Supply (MLD)	:	1.67
10	Number of Bore Wells	:	10
11	Ground Water Extraction per Bore Well (MLD)	:	0.17
12	Number of Hand Pumps/ Tubewells	:	16480
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	0.75
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	75.30
19	Total Sewage Generation (MLD)*	:	7.20
20	Per Capita Sewage Generation (lpcd)	:	50.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3837.50
		COD	: 6523.70
		TKN	: 767.50
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (Hectare)	:	10.00
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Chittaurgarh		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	41.76
2	Population as in 2011/2001	:	116406
3	Population Growth Rate as in 2011 (%)	:	20.98
4	Total Number of Wards	:	40
5	Population per Ward (Thousands)	:	2,910
6	Total Number of Household as in 2011	:	24739
7	Number of Household per Ward	:	618
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	513
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	11.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	95.00
19	Total Sewage Generation (MLD)*	:	8.60
20	Per Capita Sewage Generation (lpcd)	:	74.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3143.00
		COD	: 5343.00
		TKN	: 628.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Gambhiri River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	18
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dallo Pura		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.29
2	Population as in 2011/2001	:	154791
3	Population Growth Rate as in 2011 (%)	:	16.72
4	Total Number of Wards	:	4
5	Population per Ward (Thousands)	:	38697.75
6	Total Number of Household as in 2011	:	31009
7	Number of Household per Ward	:	7752
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	20.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	16.70
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4179.40
		COD	: 7104.90
		TKN	: 835.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Damoh		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	33.23
2	Population as in 2011/2001	:	139561
3	Population Growth Rate as in 2011 (%)	:	9.06
4	Total Number of Wards	:	39
5	Population per Ward (Thousands)	:	3,578
6	Total Number of Household as in 2011	:	28274
7	Number of Household per Ward	:	725
8	Surface Water Supply (MLD)	:	6.30
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	550
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	6.30
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	47.30
19	Total Sewage Generation (MLD)*	:	5.30
20	Per Capita Sewage Generation (lpcd)	:	37.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3768.10
		COD	: 6405.80
		TKN	: 753.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Sunar River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	9
34	Gross Area of Water Bodies (Hectare)	:	119.44
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Datia		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.64
2	Population as in 2011/2001	:	100284
3	Population Growth Rate as in 2011 (%)	:	21.18
4	Total Number of Wards	:	36
5	Population per Ward (Thousands)	:	2,786
6	Total Number of Household as in 2011	:	19254
7	Number of Household per Ward	:	535
8	Surface Water Supply (MLD)	:	4
9	Ground Water (GW) Supply (MLD)	:	1
10	Number of Bore Wells	:	26
11	Ground Water Extraction per Bore Well (MLD)	:	0.04
12	Number of Hand Pumps/ Tubewells	:	3000
13	Ground Water Extraction per Hand Pump (lpcd)	:	1000
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	4
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	79.80
19	Total Sewage Generation (MLD)*	:	8.50
20	Per Capita Sewage Generation (lpcd)	:	84.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2707.70
		COD	: 4603.00
		TKN	: 541.50
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Pahuj River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	10
34	Gross Area of Water Bodies (Hectare)	:	60.80
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Deoli		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	10.10
2	Population as in 2011/2001	:	169122
3	Population Growth Rate as in 2011 (%)	:	41.56
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	56374
6	Total Number of Household as in 2011	:	32344
7	Number of Household per Ward	:	10781
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	NA
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	22.80
19	Total Sewage Generation (MLD)*	:	135.00
20	Per Capita Sewage Generation (lpcd)	:	18.30
21	Sewage Collection (MLD)	:	108.00
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4566.30
		COD	: 7762.70
		TKN	: 913.30
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dewas		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	100.22
2	Population as in 2011/2001	:	289550
3	Population Growth Rate as in 2011 (%)	:	24.98
4	Total Number of Wards	:	45
5	Population per Ward (Thousands)	:	6,434
6	Total Number of Household as in 2011	:	57397
7	Number of Household per Ward	:	1275
8	Surface Water Supply (MLD)	:	6.35
9	Ground Water (GW) Supply (MLD)	:	4
10	Number of Bore Wells	:	507
11	Ground Water Extraction per Bore Well (MLD)	:	0.01
12	Number of Hand Pumps/ Tubewells	:	236
13	Ground Water Extraction per Hand Pump (lpcd)	:	4238
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	6.35
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	29.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	101.50
19	Total Sewage Generation (MLD)*	:	23.10
20	Per Capita Sewage Generation (lpcd)	:	79.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 7817.90
		COD	: 13290.30
		TKN	: 1563.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kshipra River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	3.06
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dhaulpur		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	32.03
2	Population as in 2011	:	133075
3	Population Growth Rate as in 2011 (%)	:	36.08
4	Total Number of Wards	:	42
5	Population per Ward (Thousands)	:	3168
6	Total Number of Household as in 2011	:	22563
7	Number of Household per Ward	:	537
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	320
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	13.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	100.40
19	Total Sewage Generation (MLD)*	:	10.60
20	Per Capita Sewage Generation (lpcd)	:	79.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3593.00
		COD	: 6108.10
		TKN	: 718.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Chambal, Utangan River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	5
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: DMC (U)		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	561.27
2	Population as in 2011/2001	:	11034555
3	Population Growth Rate as in 2011 (%)	:	11.70
4	Total Number of Wards	:	217
5	Population per Ward (Thousands)	:	50850
6	Total Number of Household as in 2011	:	2306675
7	Number of Household per Ward	:	10630
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	NA
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	1489.70
19	Total Sewage Generation (MLD)*	:	135.00
20	Per Capita Sewage Generation (lpcd)	:	1191.70
21	Sewage Collection (MLD)	:	108.00
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 297933.00
		COD	: 506486.10
		TKN	: 59586.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna, Hindan River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Etawah		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	28.94
2	Population as in 2011	:	256838
3	Population Growth Rate as in 2011 (%)	:	22.04
4	Total Number of Wards	:	36
5	Population per Ward (Thousands)	:	5,846
6	Total Number of Household as in 2011	:	44659
7	Number of Household per Ward	:	1241
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	23.00
10	Number of Bore Wells	:	43
11	Ground Water Extraction per Bore Well (MLD)	:	0.47
12	Number of Hand Pumps/ Tubewells	:	930
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	89.55
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	23.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	91.40
19	Total Sewage Generation (MLD)	:	22.40
20	Per Capita Sewage Generation (lpcd)	:	87.30
21	Sewage Collection (MLD)	:	10.45
22	Percentage of Sewage Collection (%)	:	46.60
23	Number of STPs	:	1
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	10.45
25	Current Utilized Capacity of STPs (MLD)	:	10.45
26	Percentage Utilization of Installed Capacity (%)	:	100
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 6934.60
		COD	: 11788.90
		TKN	: 1386.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	19
34	Gross Area of Water Bodies (Hectare)	:	7.29
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Faridabad		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	204.00
2	Population as in 2011	:	1414050
3	Population Growth Rate as in 2011 (%)	:	33.91
4	Total Number of Wards	:	35
5	Population per Ward (Thousands)	:	40401
6	Total Number of Household as in 2011	:	290675
7	Number of Household per Ward	:	8305
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	190.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	152.72
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	142.30
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	4
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 38179.40
		COD	: 64904.90
		TKN	: 7635.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Fatehpur		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	56.98
2	Population as in 2011	:	193193
3	Population Growth Rate as in 2011 (%)	:	27.04
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	6,440
6	Total Number of Household as in 2011	:	34745
7	Number of Household per Ward	:	1158
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	29.61
10	Number of Bore Wells	:	47
11	Ground Water Extraction per Bore Well (MLD)	:	0.63
12	Number of Hand Pumps	:	786
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	153.27
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	30.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	155.30
19	Total Sewage Generation (MLD)*	:	11.80
20	Per Capita Sewage Generation (lpcd)	:	60.90
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5216.20
		COD	: 8867.60
		TKN	: 1043.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (sq km)	:	2.30
35	Area of Water Bodies as % of Total Area	:	<<<1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Firozabad		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	21.35
2	Population as in 2011	:	604214
3	Population Growth Rate as in 2011 (%)	:	51.96
4	Total Number of Wards	:	42
5	Population per Ward (Thousands)	:	14,386
6	Total Number of Household as in 2011	:	99833
7	Number of Household per Ward	:	2377
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	42.65
10	Number of Bore Wells	:	194
11	Ground Water Extraction per Bore Well (MLD)	:	0.22
12	Number of Hand Pumps/ Tubewells	:	1415
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	70.59
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	43.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	71.80
19	Total Sewage Generation (MLD)	:	85.30
20	Per Capita Sewage Generation (lpcd)	:	141.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 16313.80
		COD	: 27733.40
		TKN	: 3262.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	16
34	Gross Area of Water Bodies (Hectare)	:	5.35
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gangapur		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	52.31
2	Population as in 2011	:	119090
3	Population Growth Rate as in 2011 (%)	:	22.97
4	Total Number of Wards	:	20
5	Population per Ward (Thousands)	:	5955
6	Total Number of Household as in 2011	:	21068
7	Number of Household per Ward	:	1053
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	5242
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	100.90
19	Total Sewage Generation (MLD)*	:	5.60
20	Per Capita Sewage Generation (lpcd)	:	47.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3215.40
		COD	: 5466.20
		TKN	: 643.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kothari, Banas River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	0
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Ghaziabad		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	220.00
2	Population as in 2011	:	1648643
3	Population Growth Rate as in 2011 (%)	:	70.27
4	Total Number of Wards	:	80
5	Population per Ward (Thousands)	:	20,608
6	Total Number of Household as in 2011	:	336069
7	Number of Household per Ward	:	4201
8	Surface Water Supply (MLD)	:	73
9	Ground Water (GW) Supply (MLD)	:	320
10	Number of Bore Wells	:	334
11	Ground Water Extraction per Bore Well (MLD)	:	0.96
12	Number of Hand Pumps/ Tubewells	:	5353
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	73
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	395.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	240.00
19	Total Sewage Generation (MLD)*	:	163.80
20	Per Capita Sewage Generation (lpcd)	:	99.40
21	Sewage Collection (MLD)	:	120.00
22	Percentage of Sewage Collection (%)	:	73.26
23	Number of STPs	:	3
24	Total Installed Capacity of STPs under YAP I & II (MLD)	:	126
25	Current Utilized Capacity of STPs (MLD)	:	120
26	Percentage Utilization of Installed Capacity (%)	:	95.24
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	224
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 44513.40
		COD	: 75672.70
		TKN	: 8902.70
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna & Hindan River
32	Number of Drains/Nallah for Wastewater Disposal	:	9
33	Number of Water Bodies	:	121
34	Gross Area of Water Bodies (Hectare)	:	50.00
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gokal Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.30
2	Population as in 2011	:	121870
3	Population Growth Rate as in 2011 (%)	:	33.69
4	Total Number of Wards	:	5
5	Population per Ward (Thousands)	:	24374
6	Total Number of Household as in 2011	:	22592
7	Number of Household per Ward	:	4518
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	16.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	13.20
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under YAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3290.50
		COD	: 5593.80
		TKN	: 658.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Greater Noida		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	20.00
2	Population as in 2011	:	102054
3	Population Growth Rate as in 2011 (%)	:	NA
4	Total Number of Wards	:	58
5	Population per Ward (Thousands)	:	1,760
6	Total Number of Household as in 2011	:	20779
7	Number of Household per Ward	:	358
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	74.00
10	Number of Bore Wells	:	108
11	Ground Water Extraction per Bore Well (MLD)	:	0.69
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	1000
14	Number of Pumping Stations for Water Supply	:	1
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	74.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	725.10
19	Total Sewage Generation (MLD)*	:	110.20
20	Per Capita Sewage Generation (lpcd)	:	1080.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	47
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2755.50
		COD	: 4684.30
		TKN	: 551.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Guna		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	45.75
2	Population as in 2011	:	180935
3	Population Growth Rate as in 2011 (%)	:	31.90
4	Total Number of Wards	:	37
5	Population per Ward (Thousands)	:	4,890
6	Total Number of Household as in 2011	:	34383
7	Number of Household per Ward	:	929
8	Surface Water Supply (MLD)	:	5
9	Ground Water (GW) Supply (MLD)	:	5.50
10	Number of Bore Wells	:	254
11	Ground Water Extraction per Bore Well (MLD)	:	0.02
12	Number of Hand Pumps/ Tubewells	:	284
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	5
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	11.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	64.10
19	Total Sewage Generation (MLD)*	:	9.30
20	Per Capita Sewage Generation (lpcd)	:	51.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4885.20
		COD	: 8304.90
		TKN	: 977.00
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gurgaon		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	184.59
2	Population as in 2011	:	886519
3	Population Growth Rate as in 2011 (%)	:	340.30
4	Total Number of Wards	:	74
5	Population per Ward (Thousands)	:	11980
6	Total Number of Household as in 2011	:	208229
7	Number of Household per Ward	:	2814
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	119.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	95.70
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	3
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	148.00
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 23936.00
		COD	: 40691.20
		TKN	: 4787.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gwalior		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	173.68
2	Population as in 2011	:	1054420
3	Population Growth Rate as in 2011 (%)	:	27.50
4	Total Number of Wards	:	60
5	Population per Ward (Thousands)	:	17,574
6	Total Number of Household as in 2011	:	199466
7	Number of Household per Ward	:	3324
8	Surface Water Supply (MLD)	:	135
9	Ground Water (GW) Supply (MLD)	:	10
10	Number of Bore Wells	:	1485
11	Ground Water Extraction per Bore Well (MLD)	:	0.01
12	Number of Hand Pumps/ Tubewells	:	1270
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	135
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	145.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	138.10
19	Total Sewage Generation (MLD)*	:	150.30
20	Per Capita Sewage Generation (lpcd)	:	142.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 28469.30
		COD	: 48397.90
		TKN	: 5693.90
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	14
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Hastsal		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	6.80
2	Population as in 2011	:	176877
3	Population Growth Rate as in 2011 (%)	:	104.35
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	58959
6	Total Number of Household as in 2011	:	33977
7	Number of Household per Ward	:	11326
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	23.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	19.10
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4775.70
		COD	: 8118.70
		TKN	: 955.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Hathras		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.76
2	Population as in 2001	:	143020
3	Population Growth Rate as in 2001 (%)	:	13.19
4	Total Number of Wards	:	27
5	Population per Ward (Thousands)	:	4,680
6	Total Number of Household as in 2001	:	25402
7	Number of Household per Ward	:	941
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	10.23
10	Number of Bore Wells	:	14
11	Ground Water Extraction per Bore Well (MLD)	:	0.73
12	Number of Hand Pumps/ Tubewells	:	530
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	80.96
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	83.10
19	Total Sewage Generation (MLD)*	:	9.10
20	Per Capita Sewage Generation (lpcd)	:	64.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3861.50
		COD	: 6564.60
		TKN	: 772.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Karvan River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	1.30
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Hindaun		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	48.00
2	Population as in 2011	:	105452
3	Population Growth Rate as in 2011 (%)	:	24.26
4	Total Number of Wards	:	40
5	Population per Ward (Thousands)	:	2,636
6	Total Number of Household as in 2011	:	18299
7	Number of Household per Ward	:	457
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	150
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	5.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	50.00
19	Total Sewage Generation (MLD)*	:	2.70
20	Per Capita Sewage Generation (lpcd)	:	25.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2847.20
		COD	: 4840.20
		TKN	: 569.40
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Utangan River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Indore		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	172.39
2	Population as in 2011	:	1994397
3	Population Growth Rate as in 2011 (%)	:	32.42
4	Total Number of Wards	:	96
5	Population per Ward (Thousands)	:	20,775
6	Total Number of Household as in 2011	:	405090
7	Number of Household per Ward	:	4220
8	Surface Water Supply (MLD)	:	221.50
9	Ground Water (GW) Supply (MLD)	:	27
10	Number of Bore Wells	:	4000
11	Ground Water Extraction per Bore Well (MLD)	:	0.01
12	Number of Hand Pumps/ Tubewells	:	50000
13	Ground Water Extraction per Hand Pump (lpcd)	:	2000
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	221.50
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	348.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	174.70
19	Total Sewage Generation (MLD)*	:	278.80
20	Per Capita Sewage Generation (lpcd)	:	139.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 53848.70
		COD	: 91542.80
		TKN	: 10769.70
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Saraswati River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	25
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jagadhari		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	24.80
2	Population as in 2011	:	124894
3	Population Growth Rate as in 2011 (%)	:	23.30
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	4029
6	Total Number of Household as in 2011	:	26716
7	Number of Household per Ward	:	862
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	16.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	13.49
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3372.10
		COD	: 5732.60
		TKN	: 674.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jaipur		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	484.64
2	Population as in 2011	:	3046163
3	Population Growth Rate as in 2011 (%)	:	31.15
4	Total Number of Wards	:	77
5	Population per Ward (Thousands)	:	39,561
6	Total Number of Household as in 2011	:	599507
7	Number of Household per Ward	:	7786
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	1983
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	403.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	132.30
19	Total Sewage Generation (MLD)*	:	321.60
20	Per Capita Sewage Generation (lpcd)	:	105.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 82246.40
		COD	: 139818.90
		TKN	: 16449.30
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	14
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jhansi		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	150.00
2	Population as in 2011	:	505693
3	Population Growth Rate as in 2011 (%)	:	18.65
4	Total Number of Wards	:	60
5	Population per Ward (Thousands)	:	8,428
6	Total Number of Household as in 2011	:	91150
7	Number of Household per Ward	:	1519
8	Surface Water Supply (MLD)	:	66
9	Ground Water (GW) Supply (MLD)	:	9.00
10	Number of Bore Wells	:	29
11	Ground Water Extraction per Bore Well (MLD)	:	0.31
12	Number of Hand Pumps/ Tubewells	:	2812
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	66
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	76.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	151.10
19	Total Sewage Generation (MLD)*	:	12.00
20	Per Capita Sewage Generation (lpcd)	:	23.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1365.40
		COD	: 23211.30
		TKN	: 2730.70
30	Wastewater Disposal Means	:	Land & River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	1.80
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Karawal Nagar		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	4.80
2	Population as in 2011	:	224281
3	Population Growth Rate as in 2011 (%)	:	50.90
4	Total Number of Wards	:	4
5	Population per Ward (Thousands)	:	56070.25
6	Total Number of Household as in 2011	:	41116
7	Number of Household per Ward	:	10279
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	30.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	24.20
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 6055.60
		COD	: 10294.50
		TKN	: 1211.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Karnal		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	29.46
2	Population as in 2011	:	302140
3	Population Growth Rate as in 2011 (%)	:	36.57
4	Total Number of Wards	:	20
5	Population per Ward (Thousands)	:	15,107
6	Total Number of Household as in 2011	:	63280
7	Number of Household per Ward	:	11062
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	40.79
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	32.63
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	30.84
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	2.00
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	48.00
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 8157.80
		COD	: 13868.20
		TKN	: 1631.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Khora		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	4.26
2	Population as in 2011	:	190005
3	Population Growth Rate as in 2011 (%)	:	6.68
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	7,600
6	Total Number of Household as in 2011	:	37467
7	Number of Household per Ward	:	1499
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	25.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	20.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5130.10
		COD	: 8721.20
		TKN	: 1026.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Hindan River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (sq km)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Khurja		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	16.70
2	Population as in 2011	:	121207
3	Population Growth Rate as in 2011 (%)	:	22.92
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	4,848
6	Total Number of Household as in 2011	:	21548
7	Number of Household per Ward	:	862
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	16.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	13.10
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3272.60
		COD	: 5563.40
		TKN	: 654.50
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Hindan River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (sq km)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kirari Suleman Nagar		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	4.70
2	Population as in 2011	:	283211
3	Population Growth Rate as in 2011 (%)	:	83.15
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	94403.66
6	Total Number of Household as in 2011	:	53072
7	Number of Household per Ward	:	17691
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	38.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	30.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 7646.70
		COD	: 12999.40
		TKN	: 1529.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	5
34	Gross Area of Water Bodies (sq km)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kishangarh		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	45.49
2	Population as in 2011	:	154886
3	Population Growth Rate as in 2011 (%)	:	33.27
4	Total Number of Wards	:	45
5	Population per Ward (Thousands)	:	3,442
6	Total Number of Household as in 2011	:	28353
7	Number of Household per Ward	:	630
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	720
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	16.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	104.30
19	Total Sewage Generation (MLD)*	:	12.60
20	Per Capita Sewage Generation (lpcd)	:	81.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4181.90
		COD	: 7109.30
		TKN	: 836.40
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kota		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	527.03
2	Population as in 2011	:	1001694
3	Population Growth Rate as in 2011 (%)	:	44.27
4	Total Number of Wards	:	60
5	Population per Ward (Thousands)	:	16,695
6	Total Number of Household as in 2011	:	210135
7	Number of Household per Ward	:	3502
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	3115
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	271.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	271.30
19	Total Sewage Generation (MLD)*	:	216.20
20	Per Capita Sewage Generation (lpcd)	:	215.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 27045.70
		COD	: 45977.80
		TKN	: 5409.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Chambal, Kali Sindh River
32	Number of Drains/Nallah for Wastewater Disposal	:	5
33	Number of Water Bodies	:	9
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Lalitpur		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	17.35
2	Population as in 2011	:	133305
3	Population Growth Rate as in 2011 (%)	:	9.36
4	Total Number of Wards	:	26
5	Population per Ward (Thousands)	:	5,127
6	Total Number of Household as in 2011	:	24424
7	Number of Household per Ward	:	939
8	Surface Water Supply (MLD)	:	12.10
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	736
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	1
15	Total Pumping Capacity (MLD)	:	12.10
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	93.50
19	Total Sewage Generation (MLD)*	:	8.60
20	Per Capita Sewage Generation (lpcd)	:	64.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3599.20
		COD	: 6118.70
		TKN	: 719.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	20.23
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mandoli		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	5.87
2	Population as in 2011	:	120417
3	Population Growth Rate as in 2011 (%)	:	16.72
4	Total Number of Wards	:	4
5	Population per Ward (Thousands)	:	30104
6	Total Number of Household as in 2011	:	21916
7	Number of Household per Ward	:	5479
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	16.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	13.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3251.30
		COD	: 5527.10
		TKN	: 650.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna, Hindon River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mandsaur		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	36.36
2	Population as in 2011	:	141667
3	Population Growth Rate as in 2011 (%)	:	20.51
4	Total Number of Wards	:	40
5	Population per Ward (Thousands)	:	3,542
6	Total Number of Household as in 2011	:	28916
7	Number of Household per Ward	:	723
8	Surface Water Supply (MLD)	:	0.75
9	Ground Water (GW) Supply (MLD)	:	9.09
10	Number of Bore Wells	:	42
11	Ground Water Extraction per Bore Well (MLD)	:	0.22
12	Number of Hand Pumps/ Tubewells	:	350
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	0.75
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	70.60
19	Total Sewage Generation (MLD)*	:	18.10
20	Per Capita Sewage Generation (lpcd)	:	127.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3825.00
		COD	: 6502.50
		TKN	: 765.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Shivna River
32	Number of Drains/Nallah for Wastewater Disposal	:	5
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mathura		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	28.05
2	Population as in 2011	:	349909
3	Population Growth Rate as in 2011 (%)	:	15.57
4	Total Number of Wards	:	45
5	Population per Ward (Thousands)	:	7,776
6	Total Number of Household as in 2011	:	59781
7	Number of Household per Ward	:	1328
8	Surface Water Supply (MLD)	:	11
9	Ground Water (GW) Supply (MLD)	:	18.36
10	Number of Bore Wells	:	90
11	Ground Water Extraction per Bore Well (MLD)	:	0.20
12	Number of Hand Pumps/ Tubewells	:	1447
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	11
16	Average Water Supply Rate from ULB Sources (lpcd)	:	92
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	32.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	93.70
19	Total Sewage Generation (MLD)*	:	117.90
20	Per Capita Sewage Generation (lpcd)	:	337.10
21	Sewage Collection (MLD)	:	28.10
22	Percentage of Sewage Collection (%)	:	22.98
23	Number of STPs	:	2
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	28.10
25	Current Utilized Capacity of STPs (MLD)	:	28.10
26	Percentage Utilization of Installed Capacity (%)	:	100
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 9447.50
		COD	: 16060.80
		TKN	: 1889.50
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	11
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Morena		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	12.00
2	Population as in 2011	:	200482
3	Population Growth Rate as in 2011 (%)	:	32.81
4	Total Number of Wards	:	39
5	Population per Ward (Thousands)	:	5,141
6	Total Number of Household as in 2011	:	33104
7	Number of Household per Ward	:	849
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	18
10	Number of Bore Wells	:	85
11	Ground Water Extraction per Bore Well (MLD)	:	0.21
12	Number of Hand Pumps/ Tubewells	:	2600
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	19.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	96.30
19	Total Sewage Generation (MLD)*	:	15.40
20	Per Capita Sewage Generation (lpcd)	:	77.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5413.00
		COD	: 9202.10
		TKN	: 1082.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Asan, Chambal River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Murwara (Katni)		State: Madhya Pradesh	
S.No.	Items		Value
1	Total Area (sq km)	:	68.57
2	Population as in 2011	:	221883
3	Population Growth Rate as in 2011 (%)	:	18.64
4	Total Number of Wards	:	45
5	Population per Ward (Thousands)	:	4,931
6	Total Number of Household as in 2011	:	46261
7	Number of Household per Ward	:	1028
8	Surface Water Supply (MLD)	:	7.50
9	Ground Water (GW) Supply (MLD)	:	8
10	Number of Bore Wells	:	133
11	Ground Water Extraction per Bore Well (MLD)	:	0.06
12	Number of Hand Pumps/ Tubewells	:	565
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	7.50
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	30.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	24.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5990.80
		COD	: 10184.40
		TKN	: 1198.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Katni River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	59
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mustafabad		State: NCT Delhi	
S.No.	Items		Value
1	Total Area (sq km)	:	1.30
2	Population as in 2011	:	127167
3	Population Growth Rate as in 2011 (%)	:	41.03
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	42389
6	Total Number of Household as in 2011	:	20348
7	Number of Household per Ward	:	6783
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	17.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	13.70
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3433.50
		COD	: 5837.00
		TKN	: 686.70
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Muzaffarnagar		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	12.04
2	Population as in 2011	:	392768
3	Population Growth Rate as in 2011 (%)	:	18.42
4	Total Number of Wards	:	45
5	Population per Ward (Thousands)	:	8,728
6	Total Number of Household as in 2011	:	68975
7	Number of Household per Ward	:	1533
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	50.00
10	Number of Bore Wells	:	40
11	Ground Water Extraction per Bore Well (MLD)	:	0.43
12	Number of Hand Pumps/ Tubewells	:	858
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	127.30
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	50.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	128.40
19	Total Sewage Generation (MLD)	:	46.70
20	Per Capita Sewage Generation (lpcd)	:	118.80
21	Sewage Collection (MLD)	:	22.00
22	Percentage of Sewage Collection (%)	:	47.13
23	Number of STPs	:	1
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	35.00
26	Percentage Utilization of Installed Capacity (%)	:	62.86
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	12
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 10604.70
		COD	: 18028.10
		TKN	: 2120.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kali River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	12.50
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: NDMC		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	42.74
2	Population as in 2011	:	257803
3	Population Growth Rate as in 2011 (%)	:	-14.74
4	Total Number of Wards	:	9
5	Population per Ward (Thousands)	:	28645
6	Total Number of Household as in 2011	:	59500
7	Number of Household per Ward	:	6611
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	34.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)	:	27.80
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 6960.70
		COD	: 11833.20
		TKN	: 1392.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Nagda		State: Madhya Pradesh	
S.No.	Items		Value
1	Total Area (sq km)	:	3.58
2	Population as in 2011	:	100039
3	Population Growth Rate as in 2011 (%)	:	23.83
4	Total Number of Wards	:	36
5	Population per Ward (Thousands)	:	2779
6	Total Number of Household as in 2011	:	20177
7	Number of Household per Ward	:	560
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	13.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	134.90
19	Total Sewage Generation (MLD)*	:	10.80
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2701.10
		COD	: 4591.80
		TKN	: 540.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Chambal, Kshipra River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Nangloi Jat		State: NCT Delhi	
S.No.	Items		Value
1	Total Area (sq km)	:	6.70
2	Population as in 2011	:	205596
3	Population Growth Rate as in 2011 (%)	:	36.20
4	Total Number of Wards	:	4
5	Population per Ward (Thousands)	:	51399
6	Total Number of Household as in 2011	:	39410
7	Number of Household per Ward	:	9853
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	27.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	22.20
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5551.10
		COD	: 9436.90
		TKN	: 1110.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Neemach		State: Madhya Pradesh	
S.No.	Items		Value
1	Total Area (sq km)	:	22.04
2	Population as in 2011	:	128561
3	Population Growth Rate as in 2011 (%)	:	13.92
4	Total Number of Wards	:	40
5	Population per Ward (Thousands)	:	3,214
6	Total Number of Household as in 2011	:	25549
7	Number of Household per Ward	:	639
8	Surface Water Supply (MLD)	:	6.82
9	Ground Water (GW) Supply (MLD)	:	1
10	Number of Bore Wells	:	40
11	Ground Water Extraction per Bore Well (MLD)	:	0.03
12	Number of Hand Pumps/ Tubewells	:	193
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	6.82
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	96.50
19	Total Sewage Generation (MLD)*	:	7.30
20	Per Capita Sewage Generation (lpcd)	:	45.90
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3471.10
		COD	: 5900.90
		TKN	: 694.20
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	5
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Noida		State: Uttar Pradesh	
S.	Items		Value
1	Total Area (sq km)	:	92.10
2	Population as in 2011	:	637272
3	Population Growth Rate as in 2011 (%)	:	108.90
4	Total Number of Wards	:	198
5	Population per Ward (Thousands)	:	3,219
6	Total Number of Household as in 2011	:	153474
7	Number of Household per Ward	:	775
8	Surface Water Supply (MLD)	:	48
9	Ground Water (GW) Supply (MLD)	:	264.82
10	Number of Bore Wells	:	249
11	Ground Water Extraction per Bore Well (MLD)	:	1.06
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	1000
14	Number of Pumping Stations for Water Supply	:	1
15	Total Pumping Capacity (MLD)	:	48
16	Average Water Supply Rate from ULB Sources (lpcd)	:	521.33
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	312.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	521.30
19	Total Sewage Generation (MLD)*	:	481.80
20	Per Capita Sewage Generation (lpcd)	:	756.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 17206.30
		COD	: 29250.80
		TKN	: 3441.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Orai		State: Uttar Pradesh	
S.	Items		Value
1	Total Area (sq km)	:	23.20
2	Population as in 2011	:	190575
3	Population Growth Rate as in 2001 (%)	:	36.79
4	Total Number of Wards	:	28
5	Population per Ward (Thousands)	:	4,976
6	Total Number of Household as in 2001	:	33919
7	Number of Household per Ward	:	1211
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	12
10	Number of Bore Wells	:	27
11	Ground Water Extraction per Bore Well (MLD)	:	0.37
12	Number of Hand Pumps/ Tubewells	:	523
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	86.13
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	88.00
19	Total Sewage Generation (MLD)*	:	16.20
20	Per Capita Sewage Generation (lpcd)	:	85.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 437.40
		COD	: 743.60
		TKN	: 1029.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	3.20
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Palwal		State: Haryana	
S.	Items		Value
1	Total Area (sq km)	:	8.42
2	Population as in 2011	:	131926
3	Population Growth Rate as in 2011 (%)	:	30.98
4	Total Number of Wards	:	32
5	Population per Ward (Thousands)	:	4,123
6	Total Number of Household as in 2011	:	23742
7	Number of Household per Ward	:	742
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tube wells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	17.81
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	14.25
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	1
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	9
25	Current Utilized Capacity of STPs (MLD)	:	9
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3562.00
		COD	: 6055.40
		TKN	: 712.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Panipat		State: Haryana	
S.	Items		Value
1	Total Area (sq km)	:	21.86
2	Population as in 2011	:	295970
3	Population Growth Rate as in 2011 (%)	:	10.07
4	Total Number of Wards	:	24
5	Population per Ward (Thousands)	:	12,332
6	Total Number of Household as in 2011	:	60905
7	Number of Household per Ward	:	2538
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tube wells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	2
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	40.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	154.40
20	Per Capita Sewage Generation (lpcd)	:	88.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	2
24	Total Installed Capacity of STPs under GAP & YAP I & II (MLD)	:	45
25	Current Utilized Capacity of STPs (MLD)	:	45
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 7991.20
		COD	: 13585.00
		TKN	: 1598.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Pithampur		State: Madhya Pradesh	
S.No.	Items		Value
1	Total Area (sq km)	:	75.51
2	Population as in 2011	:	126200
3	Population Growth Rate as in 2011 (%)	:	85.37
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	4,071
6	Total Number of Household as in 2011	:	31136
7	Number of Household per Ward	:	1004
8	Surface Water Supply (MLD)	:	1
9	Ground Water (GW) Supply (MLD)	:	1.20
10	Number of Bore Wells	:	30
11	Ground Water Extraction per Bore Well (MLD)	:	0.04
12	Number of Hand Pumps/ Tubewells	:	225
13	Ground Water Extraction per Hand Pump (lpcd)	:	900
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	1
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	2.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	19.00
19	Total Sewage Generation (MLD)*	:	1.90
20	Per Capita Sewage Generation (lpcd)	:	15.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3407.40
		COD	: 5792.60
		TKN	: 681.50
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Ratlam		State: Madhya Pradesh	
S.No.	Items		Value
1	Total Area (sq km)	:	39.19
2	Population as in 2011	:	264914
3	Population Growth Rate as in 2011 (%)	:	19.22
4	Total Number of Wards	:	49
5	Population per Ward (Thousands)	:	5,406
6	Total Number of Household as in 2011	:	53133
7	Number of Household per Ward	:	1084
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	96
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	961
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	35.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	133.60
19	Total Sewage Generation (MLD)*	:	28.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 7152.70
		COD	: 12159.60
		TKN	: 1430.50
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	5
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Rewari		State: Haryana	
S.	Items		Value
1	Total Area (sq km)	:	22.50
2	Population as in 2011	:	143021
3	Population Growth Rate as in 2011 (%)	:	42.05
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	4614
6	Total Number of Household as in 2011	:	28702
7	Number of Household per Ward	:	926
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	19.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	15.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3861.60
		COD	: 6564.70
		TKN	: 772.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Rohtak		State: Haryana	
S.	Items		Value
1	Total Area (sq km)	:	72.18
2	Population as in 2011	:	374292
3	Population Growth Rate as in 2011 (%)	:	27.06
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	12074
6	Total Number of Household as in 2011	:	75528
7	Number of Household per Ward	:	2436
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	50.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	40.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	3
24	Total Installed Capacity of STPs under GAP & YAP I & II (MLD)	:	20
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	16.0
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 10105.90
		COD	: 17180.00
		TKN	: 2021.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	6.88
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sagar		State: Madhya Pradesh	
S.	Items		Value
1	Total Area (sq km)	:	72.18
2	Population as in 2011	:	374292
3	Population Growth Rate as in 2011 (%)	:	27.06
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	12074
6	Total Number of Household as in 2011	:	75528
7	Number of Household per Ward	:	2436
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	50.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	40.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	3
24	Total Installed Capacity of STPs under GAP & YAP I & II (MLD)	:	20
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	16.0
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 10105.90
		COD	: 17180.00
		TKN	: 2021.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	6.88
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Saharanpur		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	46.74
2	Population as in 2011	:	705478
3	Population Growth Rate as in 2011 (%)	:	14.05
4	Total Number of Wards	:	60
5	Population per Ward (Thousands)	:	7,596
6	Total Number of Household as in 2011	:	129856
7	Number of Household per Ward	:	2164
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	79.00
10	Number of Bore Wells	:	60
11	Ground Water Extraction per Bore Well (MLD)	:	0.76
12	Number of Hand Pumps/ Tubewells	:	1511
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	173.34
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	79.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	175.00
19	Total Sewage Generation (MLD)*	:	97.60
20	Per Capita Sewage Generation (lpcd)	:	138.30
21	Sewage Collection (MLD)	:	35.00
22	Percentage of Sewage Collection (%)	:	57.66
23	Number of STPs	:	1
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	35
26	Percentage Utilization of Installed Capacity (%)	:	92
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	12
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: 10038.80
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 19047.90
		COD	: 32381.40
		TKN	: 3809.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Dhamola River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	365
34	Gross Area of Water Bodies (Hectare)	:	122.34
35	Area of Water Bodies as % of Total Area	:	1.65

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sawai Madhopur		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	59.00
2	Population as in 2011	:	121106
3	Population Growth Rate as in 2011 (%)	:	18.73
4	Total Number of Wards	:	40
5	Population per Ward (Thousands)	:	3,028
6	Total Number of Household as in 2011	:	22841
7	Number of Household per Ward	:	571
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	469
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	66.30
19	Total Sewage Generation (MLD)*	:	11.80
20	Per Capita Sewage Generation (lpcd)	:	97.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 3269.90
		COD	: 5558.80
		TKN	: 654.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Banas River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	15
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sehore		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	15.11
2	Population as in 2011	:	109118
3	Population Growth Rate as in 2011 (%)	:	17.94
4	Total Number of Wards	:	35
5	Population per Ward (Thousands)	:	3,118
6	Total Number of Household as in 2011	:	20314
7	Number of Household per Ward	:	580
8	Surface Water Supply (MLD)	:	40
9	Ground Water (GW) Supply (MLD)	:	10
10	Number of Bore Wells	:	55
11	Ground Water Extraction per Bore Well (MLD)	:	0.18
12	Number of Hand Pumps/ Tubewells	:	440
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	40
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	50.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	460.10
19	Total Sewage Generation (MLD)*	:	40.20
20	Per Capita Sewage Generation (lpcd)	:	368.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2946.20
		COD	: 5008.50
		TKN	: 589.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Karbala River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Shamli		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	26.23
2	Population as in 2011	:	107266
3	Population Growth Rate as in 2011 (%)	:	19.11
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	4,291
6	Total Number of Household as in 2011	:	18622
7	Number of Household per Ward	:	745
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	14.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	11.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2896.20
		COD	: 4923.50
		TKN	: 579.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Shikohabad		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	8.48
2	Population as in 2011	:	107404
3	Population Growth Rate as in 2011 (%)	:	21.83
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	4,296
6	Total Number of Household as in 2011	:	18622
7	Number of Household per Ward	:	745
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	14.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	11.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2899.90
		COD	: 4929.80
		TKN	: 580.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Shivpuri		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	81.11
2	Population as in 2011	:	179977
3	Population Growth Rate as in 2011 (%)	:	22.52
4	Total Number of Wards	:	39
5	Population per Ward (Thousands)	:	4,615
6	Total Number of Household as in 2011	:	33803
7	Number of Household per Ward	:	867
8	Surface Water Supply (MLD)	:	5
9	Ground Water (GW) Supply (MLD)	:	7
10	Number of Bore Wells	:	430
11	Ground Water Extraction per Bore Well (MLD)	:	0.02
12	Number of Hand Pumps/ Tubewells	:	80
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	5
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	66.70
19	Total Sewage Generation (MLD)*	:	9.60
20	Per Capita Sewage Generation (lpcd)	:	53.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4859.40
		COD	: 8260.90
		TKN	: 971.90
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sonipat		State: Haryana	
S. No.	Items	Value	
1	Total Area (sq km)	: 42.61	
2	Population as in 2011	: 289333	
3	Population Growth Rate as in 2011 (%)	: 28.55	
4	Total Number of Wards	: 31	
5	Population per Ward (Thousands)	: 9,333	
6	Total Number of Household as in 2011	: 57740	
7	Number of Household per Ward	: 1863	
8	Surface Water Supply (MLD)	: NA	
9	Ground Water (GW) Supply (MLD)	: NA	
10	Number of Bore Wells	: NA	
11	Ground Water Extraction per Bore Well (MLD)	: NA	
12	Number of Hand Pumps/ Tubewells	: NA	
13	Ground Water Extraction per Hand Pump (lpcd)	: 500	
14	Number of Pumping Stations for Water Supply	: NA	
15	Total Pumping Capacity (MLD)	: NA	
16	Average Water Supply Rate from ULB Sources (lpcd)	: NA	
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	: 39.06	
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	: 135.00	
19	Total Sewage Generation (MLD)*	: 31.25	
20	Per Capita Sewage Generation (lpcd)	: 108.00	
21	Sewage Collection (MLD)	: NA	
22	Percentage of Sewage Collection (%)	: NA	
23	Number of STPs	: 1	
24	Total Installed Capacity of STPs under GAP I & II (MLD)	: 30	
25	Current Utilized Capacity of STPs (MLD)	: 30	
26	Percentage Utilization of Installed Capacity (%)	: NA	
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	: NA	
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 7812.00
		COD	: 13280.40
		TKN	: 1562.40
30	Wastewater Disposal Means	: River Disposal	
31	Name of River/Streams for Wastewater Disposal	: Yamuna River	
32	Number of Drains/Nallah for Wastewater Disposal	: 1	
33	Number of Water Bodies	: NA	
34	Gross Area of Water Bodies (Hectare)	: NA	
35	Area of Water Bodies as % of Total Area	: <<< 1	

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sultan Pur Majra		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.80
2	Population as in 2011	:	181554
3	Population Growth Rate as in 2011 (%)	:	10.42
4	Total Number of Wards	:	5
5	Population per Ward (Thousands)	:	36311
6	Total Number of Household as in 2011	:	33029
7	Number of Household per Ward	:	6606
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	24.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	19.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP & YAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4902.00
		COD	: 8333.30
		TKN	: 980.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Tonk		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	60.50
2	Population as in 2011	:	165294
3	Population Growth Rate as in 2011 (%)	:	21.82
4	Total Number of Wards	:	45
5	Population per Ward (Thousands)	:	3,673
6	Total Number of Household as in 2011	:	29098
7	Number of Household per Ward	:	647
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	546
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	12.90
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	77.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	10.10
19	Total Sewage Generation (MLD)*	:	61.00
20	Per Capita Sewage Generation (lpcd)	:	NA
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP & YAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4462.90
		COD	: 7587.00
		TKN	: 892.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Banas River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	14
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Udaipur		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	56.92
2	Population as in 2011	:	451100
3	Population Growth Rate as in 2011 (%)	:	15.83
4	Total Number of Wards	:	55
5	Population per Ward (Thousands)	:	8,202
6	Total Number of Household as in 2011	:	94704
7	Number of Household per Ward	:	1722
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	2380
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	82.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	183.10
19	Total Sewage Generation (MLD)*	:	65.10
20	Per Capita Sewage Generation (lpcd)	:	144.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 12179.70
		COD	: 20705.50
		TKN	: 2435.90
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Ayad River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	17254.00
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Ujjain		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	92.68
2	Population as in 2011	:	515215
3	Population Growth Rate as in 2011 (%)	:	19.49
4	Total Number of Wards	:	54
5	Population per Ward (Thousands)	:	9,541
6	Total Number of Household as in 2011	:	102401
7	Number of Household per Ward	:	1896
8	Surface Water Supply (MLD)	:	87.06
9	Ground Water (GW) Supply (MLD)	:	3.79
10	Number of Bore Wells	:	85
11	Ground Water Extraction per Bore Well (MLD)	:	0.04
12	Number of Hand Pumps/ Tubewells	:	1282
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	87.06
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	91.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	177.60
19	Total Sewage Generation (MLD)*	:	73.20
20	Per Capita Sewage Generation (lpcd)	:	142.10
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 13910.80
		COD	: 23648.40
		TKN	: 2782.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kshipra River
32	Number of Drains/Nallah for Wastewater Disposal	:	9
33	Number of Water Bodies	:	23
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Vidisha		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	5.83
2	Population as in 2011	:	155951
3	Population Growth Rate as in 2011 (%)	:	24.31
4	Total Number of Wards	:	36
5	Population per Ward (Thousands)	:	4,332
6	Total Number of Household as in 2011	:	31627
7	Number of Household per Ward	:	879
8	Surface Water Supply (MLD)	:	9
9	Ground Water (GW) Supply (MLD)	:	1
10	Number of Bore Wells	:	12
11	Ground Water Extraction per Bore Well (MLD)	:	0.08
12	Number of Hand Pumps/ Tubewells	:	4830
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	9
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	79.50
19	Total Sewage Generation (MLD)*	:	9.92
20	Per Capita Sewage Generation (lpcd)	:	63.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 4210.70
		COD	: 7158.20
		TKN	: 842.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Yamunanagar		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	16.48
2	Population as in 2011	:	217071
3	Population Growth Rate as in 2011 (%)	:	14.43
4	Total Number of Wards	:	31
5	Population per Ward (Thousands)	:	7002
6	Total Number of Household as in 2011	:	45351
7	Number of Household per Ward	:	1463
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	29.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	23.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	2
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	35
25	Current Utilized Capacity of STPs (MLD)	:	35
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 5860.90
		COD	: 9963.60
		TKN	: 1172.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	3.70
35	Area of Water Bodies as % of Total Area	:	<<< 1

Appendix-2

Compilation of Fact Sheets of Water Balance & Pollution Load (Domestic) of Major Class II Towns in Yamuna Basin

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Askok Nagar		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	4.43
2	Population as in 2011	:	81828
3	Population Growth Rate as in 2011 (%)	:	41.80
4	Total Number of Wards	:	22
5	Population per Ward (Thousands)	:	3,719
6	Total Number of Household as in 2011	:	15806
7	Number of Household per Ward	:	718
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	11.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	134.40
19	Total Sewage Generation (MLD)*	:	8.80
20	Per Capita Sewage Generation (lpcd)	:	107.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2209.40
		COD	: 3755.90
		TKN	: 441.90
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Aur River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Ashta		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	15.78
2	Population as in 2011	:	53184
3	Population Growth Rate as in 2011 (%)	:	30.90
4	Total Number of Wards	:	19
5	Population per Ward (Thousands)	:	2,799
6	Total Number of Household as in 2011	:	10006
7	Number of Household per Ward	:	527
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.40
19	Total Sewage Generation (MLD)*	:	5.70
20	Per Capita Sewage Generation (lpcd)	:	107.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1436.00
		COD	: 2441.10
		TKN	: 287.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Parbati River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Auraiya		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	9.00
2	Population as in 2011	:	87736
3	Population Growth Rate as in 2011 (%)	:	35.52
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,590
6	Total Number of Household as in 2011	:	15898
7	Number of Household per Ward	:	636
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	5.53
10	Number of Bore Wells	:	14
11	Ground Water Extraction per Bore Well (MLD)	:	0.22
12	Number of Hand Pumps/ Tubewells	:	440
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	66.11
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	68.60
19	Total Sewage Generation (MLD)*	:	5.40
20	Per Capita Sewage Generation (lpcd)	:	61.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2368.90
		COD	: 4027.10
		TKN	: 508.90
30	Wastewater Disposal Means	:	Land & River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	5
34	Gross Area of Water Bodies (Hectare)	:	11.15
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Baghpat		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	2.83
2	Population as in 2011	:	50310
3	Population Growth Rate as in 2011 (%)	:	38.28
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,012
6	Total Number of Household as in 2011	:	7880
7	Number of Household per Ward	:	315
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	3.71
10	Number of Bore Wells	:	7
11	Ground Water Extraction per Bore Well (MLD)	:	0.53
12	Number of Hand Pumps/ Tubewells	:	457
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	73.74
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	3.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	78.30
19	Total Sewage Generation (MLD)*	:	1.10
20	Per Capita Sewage Generation (lpcd)	:	21.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1358.40
		COD	: 2309.20
		TKN	: 271.70
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bangarda Chhota		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	11.19
2	Population as in 2011	:	64213
3	Population Growth Rate as in 2011 (%)	:	18.94
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	64,213
6	Total Number of Household as in 2011	:	13345
7	Number of Household per Ward	:	13345
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.50
19	Total Sewage Generation (MLD)*	:	6.90
20	Per Capita Sewage Generation (lpcd)	:	107.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1733.80
		COD	: 2947.40
		TKN	: 346.80
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kherkhali River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bapraula		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	5.62
2	Population as in 2011	:	52744
3	Population Growth Rate as in 2011 (%)	:	291.51
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	52744
6	Total Number of Household as in 2011	:	10069
7	Number of Household per Ward	:	10069
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.70
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1424.10
		COD	: 2420.90
		TKN	: 284.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bari		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	22.27
2	Population as in 2011	:	62721
3	Population Growth Rate as in 2011 (%)	:	24.26
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2091
6	Total Number of Household as in 2011	:	10456
7	Number of Household per Ward	:	349
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	143.10
19	Total Sewage Generation (MLD)*	:	6.80
20	Per Capita Sewage Generation (lpcd)	:	108.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1693.50
		COD	: 2878.90
		TKN	: 338.70
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Ayad River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	0
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Basoda		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	16.55
2	Population as in 2011	:	78289
3	Population Growth Rate as in 2011 (%)	:	20.56
4	Total Number of Wards	:	24
5	Population per Ward (Thousands)	:	3,262
6	Total Number of Household as in 2011	:	14219
7	Number of Household per Ward	:	592
8	Surface Water Supply (MLD)	:	2.27
9	Ground Water (GW) Supply (MLD)	:	2.33
10	Number of Bore Wells	:	29
11	Ground Water Extraction per Bore Well (MLD)	:	0.08
12	Number of Hand Pumps/ Tubewells	:	3520
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	2.27
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	158.40
19	Total Sewage Generation (MLD)*	:	8.50
20	Per Capita Sewage Generation (lpcd)	:	75.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2113.80
		COD	: 3593.50
		TKN	: 422.80
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bawana		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	17.00
2	Population as in 2011	:	73680
3	Population Growth Rate as in 2011 (%)	:	219.04
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	73680
6	Total Number of Household as in 2011	:	12961
7	Number of Household per Ward	:	12961
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	8.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1989.40
		COD	: 3381.90
		TKN	: 397.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Begum Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	1.90
2	Population as in 2011	:	53682
3	Population Growth Rate as in 2011 (%)	:	135.05
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	53682
6	Total Number of Household as in 2011	:	10446
7	Number of Household per Ward	:	10446
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.80
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1449.40
		COD	: 2464.00
		TKN	: 289.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Bina		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	12.00
2	Population as in 2011	:	64529
3	Population Growth Rate as in 2011 (%)	:	26.08
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,581
6	Total Number of Household as in 2011	:	12356
7	Number of Household per Ward	:	494
8	Surface Water Supply (MLD)	:	4
9	Ground Water (GW) Supply (MLD)	:	2
10	Number of Bore Wells	:	32
11	Ground Water Extraction per Bore Well (MLD)	:	0.06
12	Number of Hand Pumps/ Tubewells	:	1520
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	4
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1742.30
		COD	: 2961.90
		TKN	: 348.50
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Motichur, Bina, Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Budhana		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	7.61
2	Population as in 2011	:	53722
3	Population Growth Rate as in 2011 (%)	:	63.04
4	Total Number of Wards	:	17
5	Population per Ward (Thousands)	:	3,160
6	Total Number of Household as in 2011	:	8252
7	Number of Household per Ward	:	485
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.80
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1450.50
		COD	: 2465.80
		TKN	: 290.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kali River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Chilla Saroda Bangar		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.58
2	Population as in 2011	:	83217
3	Population Growth Rate as in 2011 (%)	:	24.76
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	27739
6	Total Number of Household as in 2011	:	18124
7	Number of Household per Ward	:	6041
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	11.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	9.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2246.90
		COD	: 3819.70
		TKN	: 449.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Chitrakoot Dham (Karwi)		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	7.77
2	Population as in 2011	:	57402
3	Population Growth Rate as in 2011 (%)	:	17.41
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,296
6	Total Number of Household as in 2011	:	10250
7	Number of Household per Ward	:	410
8	Surface Water Supply (MLD)	:	5.12
9	Ground Water (GW) Supply (MLD)	:	1.21
10	Number of Bore Wells	:	4
11	Ground Water Extraction per Bore Well (MLD)	:	0.30
12	Number of Hand Pumps/ Tubewells	:	298
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	5.12
16	Average Water Supply Rate from ULB Sources (lpcd)	:	110.17
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	113.10
19	Total Sewage Generation (MLD)*	:	19.40
20	Per Capita Sewage Generation (lpcd)	:	337.40
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1549.90
		COD	: 2634.80
		TKN	: 310.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Mandakini River
32	Number of Drains/Nallah for Wastewater Disposal	:	6
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	1.00
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Chomu		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	22.53
2	Population as in 2011	:	64417
3	Population Growth Rate as in 2011 (%)	:	27.04
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2147
6	Total Number of Household as in 2011	:	9921
7	Number of Household per Ward	:	331
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	142.40
19	Total Sewage Generation (MLD)*	:	7.00
20	Per Capita Sewage Generation (lpcd)	:	108.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1739.30
		COD	: 2956.70
		TKN	: 347.90
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dabra		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	3.79
2	Population as in 2011	:	61277
3	Population Growth Rate as in 2011 (%)	:	8.13
4	Total Number of Wards	:	24
5	Population per Ward (Thousands)	:	2,553
6	Total Number of Household as in 2011	:	11085
7	Number of Household per Ward	:	462
8	Surface Water Supply (MLD)	:	1.50
9	Ground Water (GW) Supply (MLD)	:	4
10	Number of Bore Wells	:	107
11	Ground Water Extraction per Bore Well (MLD)	:	0.04
12	Number of Hand Pumps/ Tubewells	:	130
13	Ground Water Extraction per Hand Pump (lpcd)	:	3000
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	1.50
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	6.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1654.50
		COD	: 2812.60
		TKN	: 330.90
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Sindh River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dadri		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.50
2	Population as in 2011	:	91189
3	Population Growth Rate as in 2011 (%)	:	58.82
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	3,648
6	Total Number of Household as in 2011	:	16215
7	Number of Household per Ward	:	649
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	2.10
10	Number of Bore Wells	:	2
11	Ground Water Extraction per Bore Well (MLD)	:	1.05
12	Number of Hand Pumps/ Tubewells	:	1200
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	23.00
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	2.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	29.60
19	Total Sewage Generation (MLD)*	:	12.20
20	Per Capita Sewage Generation (lpcd)	:	134.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2462.10
		COD	: 4185.60
		TKN	: 492.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	-
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dausa		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	16.00
2	Population as in 2011	:	85960
3	Population Growth Rate as in 2011 (%)	:	39.54
4	Total Number of Wards	:	35
5	Population per Ward (Thousands)	:	2456
6	Total Number of Household as in 2011	:	15465
7	Number of Household per Ward	:	442
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	140.50
19	Total Sewage Generation (MLD)*	:	9.30
20	Per Capita Sewage Generation (lpcd)	:	108.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2320.90
		COD	: 3945.60
		TKN	: 464.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Banganga River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Deoband		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	7.90
2	Population as in 2011	:	97037
3	Population Growth Rate as in 2011 (%)	:	18.86
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	3,881
6	Total Number of Household as in 2011	:	15630
7	Number of Household per Ward	:	625
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	6.00
10	Number of Bore Wells	:	11
11	Ground Water Extraction per Bore Well (MLD)	:	0.55
12	Number of Hand Pumps/ Tubewells	:	175
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	61.81
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	62.70
19	Total Sewage Generation (MLD)*	:	36.20
20	Per Capita Sewage Generation (lpcd)	:	372.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 976.50
		COD	: 1660.10
		TKN	: 524.00
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	-
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Dhar		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	36.00
2	Population as in 2011	:	93917
3	Population Growth Rate as in 2011 (%)	:	24.60
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	3,131
6	Total Number of Household as in 2011	:	18531
7	Number of Household per Ward	:	618
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	263
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.20
19	Total Sewage Generation (MLD)*	:	10.10
20	Per Capita Sewage Generation (lpcd)	:	107.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2535.80
		COD	: 4310.80
		TKN	: 507.20
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gangoh		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.00
2	Population as in 2011	:	59279
3	Population Growth Rate as in 2011 (%)	:	9.95
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,371
6	Total Number of Household as in 2011	:	9657
7	Number of Household per Ward	:	386
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	5.50
10	Number of Bore Wells	:	13
11	Ground Water Extraction per Bore Well (MLD)	:	0.42
12	Number of Hand Pumps/ Tubewells	:	315
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	92.46
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	5.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	95.10
19	Total Sewage Generation (MLD)*	:	12.40
20	Per Capita Sewage Generation (lpcd)	:	209.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1600.50
		COD	: 2720.90
		TKN	: 320.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Buriyamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gharoli		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	3.56
2	Population as in 2011	:	92540
3	Population Growth Rate as in 2011 (%)	:	33.26
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	30847
6	Total Number of Household as in 2011	:	19819
7	Number of Household per Ward	:	6606
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	10.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2498.60
		COD	: 4247.60
		TKN	: 499.70
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna, Hindan River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Gohad		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	14.91
2	Population as in 2011	:	58939
3	Population Growth Rate as in 2011 (%)	:	30.30
4	Total Number of Wards	:	18
5	Population per Ward (Thousands)	:	3,274
6	Total Number of Household as in 2011	:	10161
7	Number of Household per Ward	:	565
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.70
19	Total Sewage Generation (MLD)*	:	6.40
20	Per Capita Sewage Generation (lpcd)	:	108.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1591.40
		COD	: 2705.30
		TKN	: 318.30
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Hodal		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	5.39
2	Population as in 2011	:	50143
3	Population Growth Rate as in 2011 (%)	:	30.89
4	Total Number of Wards	:	17
5	Population per Ward (Thousands)	:	2,950
6	Total Number of Household as in 2011	:	8579
7	Number of Household per Ward	:	505
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.77
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135
19	Total Sewage Generation (MLD)*	:	5.42
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1353.90
		COD	: 2301.60
		TKN	: 270.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jaffrabad		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	0.90
2	Population as in 2011	:	54601
3	Population Growth Rate as in 2011 (%)	:	-4.96
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	18200
6	Total Number of Household as in 2011	:	8815
7	Number of Household per Ward	:	2938
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.90
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1474.20
		COD	: 2506.20
		TKN	: 294.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jait Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	3.60
2	Population as in 2011	:	59330
3	Population Growth Rate as in 2011 (%)	:	140.10
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	59330
6	Total Number of Household as in 2011	:	11070
7	Number of Household per Ward	:	11070
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	6.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1601.90
		COD	: 2723.20
		TKN	: 320.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jalaun		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.34
2	Population as in 2011	:	56909
3	Population Growth Rate as in 2011 (%)	:	13.69
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,276
6	Total Number of Household as in 2011	:	9560
7	Number of Household per Ward	:	382
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	4.32
10	Number of Bore Wells	:	6
11	Ground Water Extraction per Bore Well (MLD)	:	0.72
12	Number of Hand Pumps/ Tubewells	:	484
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	75.96
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	4.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	80.90
19	Total Sewage Generation (MLD)*	:	8.60
20	Per Capita Sewage Generation (lpcd)	:	151.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1536.50
		COD	: 2612.10
		TKN	: 307.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	9
34	Gross Area of Water Bodies (Hectare)	:	4.15
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jaora		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	14.54
2	Population as in 2011	:	74907
3	Population Growth Rate as in 2011 (%)	:	15.05
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2,497
6	Total Number of Household as in 2011	:	13102
7	Number of Household per Ward	:	437
8	Surface Water Supply (MLD)	:	3.25
9	Ground Water (GW) Supply (MLD)	:	0.15
10	Number of Bore Wells	:	61
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	159
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	3.25
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	8.10
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2022.50
		COD	: 3438.20
		TKN	: 404.50
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Maleni River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Jhalawar		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	12.95
2	Population as in 2011	:	66919
3	Population Growth Rate as in 2011 (%)	:	39.26
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2231
6	Total Number of Household as in 2011	:	13595
7	Number of Household per Ward	:	453
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.60
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	128.10
19	Total Sewage Generation (MLD)*	:	9.30
20	Per Capita Sewage Generation (lpcd)	:	139.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1806.80
		COD	: 3071.60
		TKN	: 361.40
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kali Sindh, Ahu River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	10
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kairana		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	7.11
2	Population as in 2011	:	89000
3	Population Growth Rate as in 2011 (%)	:	21.90
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	3,560
6	Total Number of Household as in 2011	:	13951
7	Number of Household per Ward	:	558
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	12.43
10	Number of Bore Wells	:	23
11	Ground Water Extraction per Bore Well (MLD)	:	0.54
12	Number of Hand Pumps/ Tubewells	:	235
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	130.72
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.55
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	131.95
19	Total Sewage Generation (MLD)*	:	5.31
20	Per Capita Sewage Generation (lpcd)	:	59.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2403.00
		COD	: 4085.10
		TKN	: 480.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kalpi		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	9.73
2	Population as in 2011	:	51670
3	Population Growth Rate as in 2011 (%)	:	20.46
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,067
6	Total Number of Household as in 2011	:	8408
7	Number of Household per Ward	:	336
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.60
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1395.10
		COD	: 2371.70
		TKN	: 279.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kapas Hera		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	3.40
2	Population as in 2011	:	74073
3	Population Growth Rate as in 2011 (%)	:	242.66
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	74073
6	Total Number of Household as in 2011	:	21370
7	Number of Household per Ward	:	21370
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	8.00
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2000.00
		COD	: 3400.00
		TKN	: 400.00
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Karauli		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	35.00
2	Population as in 2011	:	82960
3	Population Growth Rate as in 2011 (%)	:	25.24
4	Total Number of Wards	:	35
5	Population per Ward (Thousands)	:	2370
6	Total Number of Household as in 2011	:	14578
7	Number of Household per Ward	:	417
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	11.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	140.70
19	Total Sewage Generation (MLD)*	:	9.00
20	Per Capita Sewage Generation (lpcd)	:	108.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2239.90
		COD	: 3807.90
		TKN	: 448.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Utangan River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	0
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Khanjoori Khas		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	0.90
2	Population as in 2011	:	76640
3	Population Growth Rate as in 2011 (%)	:	69.98
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	76640
6	Total Number of Household as in 2011	:	13186
7	Number of Household per Ward	:	13186
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	8.30
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2069.30
		COD	: 3517.80
		TKN	: 413.90
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Khurai		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	11.03
2	Population as in 2011	:	51108
3	Population Growth Rate as in 2011 (%)	:	23.12
4	Total Number of Wards	:	27
5	Population per Ward (Thousands)	:	1,893
6	Total Number of Household as in 2011	:	9798
7	Number of Household per Ward	:	363
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.50
20	Per Capita Sewage Generation (lpcd)	:	107.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1379.90
		COD	: 2345.90
		TKN	: 276.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Bina River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Konch		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	2.95
2	Population as in 2011	:	53412
3	Population Growth Rate as in 2011 (%)	:	5.05
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,136
6	Total Number of Household as in 2011	:	8655
7	Number of Household per Ward	:	346
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	4.70
10	Number of Bore Wells	:	9
11	Ground Water Extraction per Bore Well (MLD)	:	0.52
12	Number of Hand Pumps/ Tubewells	:	462
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	87.97
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	4.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	92.30
19	Total Sewage Generation (MLD)*	:	1.10
20	Per Capita Sewage Generation (lpcd)	:	20.50
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1442.10
		COD	: 2451.60
		TKN	: 288.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	3
34	Gross Area of Water Bodies (Hectare)	:	24.62
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Koshi Kalan		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	4.50
2	Population as in 2011	:	60074
3	Population Growth Rate as in 2011 (%)	:	31.39
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,403
6	Total Number of Household as in 2011	:	9879
7	Number of Household per Ward	:	395
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	6.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1622.00
		COD	: 2757.40
		TKN	: 324.40
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Kuchaman		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	12.50
2	Population as in 2011	:	61969
3	Population Growth Rate as in 2011 (%)	:	22.50
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2066
6	Total Number of Household as in 2011	:	9643
7	Number of Household per Ward	:	321
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	143.20
19	Total Sewage Generation (MLD)*	:	6.70
20	Per Capita Sewage Generation (lpcd)	:	108.10
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1673.20
		COD	: 2844.40
		TKN	: 334.60
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mahoba		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	12.15
2	Population as in 2011	:	95216
3	Population Growth Rate as in 2011 (%)	:	20.86
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	3,809
6	Total Number of Household as in 2011	:	17283
7	Number of Household per Ward	:	691
8	Surface Water Supply (MLD)	:	11.86
9	Ground Water (GW) Supply (MLD)	:	4.25
10	Number of Bore Wells	:	20
11	Ground Water Extraction per Bore Well (MLD)	:	0.21
12	Number of Hand Pumps/ Tubewells	:	1090
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	11.86
16	Average Water Supply Rate from ULB Sources (lpcd)	:	168.77
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	16.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	174.48
19	Total Sewage Generation (MLD)*	:	14.66
20	Per Capita Sewage Generation (lpcd)	:	153.91
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2570.80
		COD	: 4370.40
		TKN	: 514.20
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Ken River
32	Number of Drains/Nallah for Wastewater Disposal	:	4
33	Number of Water Bodies	:	4
34	Gross Area of Water Bodies (Hectare)	:	194.70
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mandideep		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	12.78
2	Population as in 2011	:	59654
3	Population Growth Rate as in 2011 (%)	:	49.66
4	Total Number of Wards	:	18
5	Population per Ward (Thousands)	:	3,314
6	Total Number of Household as in 2011	:	14330
7	Number of Household per Ward	:	796
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NIL
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.80
19	Total Sewage Generation (MLD)*	:	6.40
20	Per Capita Sewage Generation (lpcd)	:	107.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1610.70
		COD	: 2738.10
		TKN	: 322.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kaliasot River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mauranipur		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	5.53
2	Population as in 2011	:	61449
3	Population Growth Rate as in 2011 (%)	:	20.77
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,458
6	Total Number of Household as in 2011	:	10879
7	Number of Household per Ward	:	435
8	Surface Water Supply (MLD)	:	2.84
9	Ground Water (GW) Supply (MLD)	:	0.90
10	Number of Bore Wells	:	4
11	Ground Water Extraction per Bore Well (MLD)	:	0.23
12	Number of Hand Pumps/ Tubewells	:	453
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	2.84
16	Average Water Supply Rate from ULB Sources (lpcd)	:	63.98
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	4.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	67.90
19	Total Sewage Generation (MLD)*	:	10.20
20	Per Capita Sewage Generation (lpcd)	:	166.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1659.10
		COD	: 2820.50
		TKN	: 331.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Suknai River
32	Number of Drains/Nallah for Wastewater Disposal	:	6
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mithe Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	1.80
2	Population as in 2011	:	69837
3	Population Growth Rate as in 2011 (%)	:	71.83
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	69837
6	Total Number of Household as in 2011	:	14160
7	Number of Household per Ward	:	14160
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1885.60
		COD	: 3205.50
		TKN	: 377.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Molar Band		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	4.10
2	Population as in 2011	:	91402
3	Population Growth Rate as in 2011 (%)	:	125.55
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	30467
6	Total Number of Household as in 2011	:	18159
7	Number of Household per Ward	:	6053
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	12.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	9.90
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2467.90
		COD	: 4195.40
		TKN	: 493.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mukand Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.50
2	Population as in 2011	:	57135
3	Population Growth Rate as in 2011 (%)	:	167.62
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	57135
6	Total Number of Household as in 2011	:	10975
7	Number of Household per Ward	:	10975
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	6.20
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1542.60
		COD	: 2622.50
		TKN	: 308.50
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Mundka		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	11.90
2	Population as in 2011	:	54541
3	Population Growth Rate as in 2011 (%)	:	24.32
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	18180
6	Total Number of Household as in 2011	:	10615
7	Number of Household per Ward	:	3538
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.90
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1472.60
		COD	: 2503.40
		TKN	: 294.50
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Muradnagar		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	12.00
2	Population as in 2011	:	95208
3	Population Growth Rate as in 2011 (%)	:	28.40
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	3,808
6	Total Number of Household as in 2011	:	15241
7	Number of Household per Ward	:	610
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	6.16
10	Number of Bore Wells	:	5
11	Ground Water Extraction per Bore Well (MLD)	:	1.23
12	Number of Hand Pumps/ Tubewells	:	294
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	61.60
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	63.10
19	Total Sewage Generation (MLD)*	:	6.80
20	Per Capita Sewage Generation (lpcd)	:	71.60
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2570.60
		COD	: 4370.00
		TKN	: 514.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Hindon River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	1.57
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Nasirabad		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	22.93
2	Population as in 2011	:	50804
3	Population Growth Rate as in 2011 (%)	:	3.41
4	Total Number of Wards	:	7
5	Population per Ward (Thousands)	:	7258
6	Total Number of Household as in 2011	:	9078
7	Number of Household per Ward	:	1297
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	145.20
19	Total Sewage Generation (MLD)*	:	5.50
20	Per Capita Sewage Generation (lpcd)	:	108.30
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1371.70
		COD	: 2331.90
		TKN	: 274.30
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Nimbahera		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	12.74
2	Population as in 2011	:	61949
3	Population Growth Rate as in 2011 (%)	:	16.17
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2065
6	Total Number of Household as in 2011	:	12776
7	Number of Household per Ward	:	426
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	4.50
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	72.20
19	Total Sewage Generation (MLD)*	:	10.40
20	Per Capita Sewage Generation (lpcd)	:	167.90
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1672.60
		COD	: 2843.50
		TKN	: 334.50
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Nithari		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.29
2	Population as in 2011	:	50464
3	Population Growth Rate as in 2011 (%)	:	44.08
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	50464
6	Total Number of Household as in 2011	:	9460
7	Number of Household per Ward	:	9460
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1362.50
		COD	: 2316.30
		TKN	: 272.50
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Panipat Taraf Makhдум Zadgan		State: Haryana	
S. No.	Items		Value
1	Total Area (sq km)	:	6.54
2	Population as in 2011	:	67998
3	Population Growth Rate as in 2011 (%)	:	93.42
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	67,998
6	Total Number of Household as in 2011	:	14066
7	Number of Household per Ward	:	14066
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.18
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.34
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1835.90
		COD	: 3121.10
		TKN	: 367.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Panna		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	10.00
2	Population as in 2011	:	59091
3	Population Growth Rate as in 2011 (%)	:	13.51
4	Total Number of Wards	:	22
5	Population per Ward (Thousands)	:	2,686
6	Total Number of Household as in 2011	:	10019
7	Number of Household per Ward	:	455
8	Surface Water Supply (MLD)	:	2.34
9	Ground Water (GW) Supply (MLD)	:	1.06
10	Number of Bore Wells	:	65
11	Ground Water Extraction per Bore Well (MLD)	:	0.02
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	2.34
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	6.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1595.50
		COD	: 2712.30
		TKN	: 319.10
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Kilkila, Ken River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	12
34	Gross Area of Water Bodies (Hectare)	:	54.47
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Pooth Kalan		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	7.00
2	Population as in 2011	:	96002
3	Population Growth Rate as in 2011 (%)	:	89.74
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	96002
6	Total Number of Household as in 2011	:	19516
7	Number of Household per Ward	:	19516
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	13.00
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	10.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2592.10
		COD	: 4406.50
		TKN	: 518.40
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Pul Pehlad		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.20
2	Population as in 2011	:	69657
3	Population Growth Rate as in 2011 (%)	:	31.79
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	69657
6	Total Number of Household as in 2011	:	14734
7	Number of Household per Ward	:	14734
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1880.70
		COD	: 3197.30
		TKN	: 376.10
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Raghogarh -Vijaypur		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	73.79
2	Population as in 2011	:	62163
3	Population Growth Rate as in 2011 (%)	:	26.42
4	Total Number of Wards	:	24
5	Population per Ward (Thousands)	:	2,590
6	Total Number of Household as in 2011	:	12409
7	Number of Household per Ward	:	517
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	8.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.10
19	Total Sewage Generation (MLD)*	:	6.70
20	Per Capita Sewage Generation (lpcd)	:	107.80
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1678.40
		COD	: 2853.30
		TKN	: 335.70
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Parbati, Chopan River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Rajsamand		State: Rajasthan	
S. No.	Items		Value
1	Total Area (sq km)	:	55.00
2	Population as in 2011	:	67798
3	Population Growth Rate as in 2011 (%)	:	21.75
4	Total Number of Wards	:	30
5	Population per Ward (Thousands)	:	2260
6	Total Number of Household as in 2011	:	13765
7	Number of Household per Ward	:	459
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	950
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	142.70
19	Total Sewage Generation (MLD)*	:	7.30
20	Per Capita Sewage Generation (lpcd)	:	107.70
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1830.50
		COD	: 3111.90
		TKN	: 366.10
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Banas,Gomati River
32	Number of Drains/Nallah for Wastewater Disposal	:	3
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Rath		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	8.12
2	Population as in 2011	:	65056
3	Population Growth Rate as in 2011 (%)	:	16.28
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,238
6	Total Number of Household as in 2011	:	11274
7	Number of Household per Ward	:	451
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	5.50
10	Number of Bore Wells	:	11
11	Ground Water Extraction per Bore Well (MLD)	:	0.50
12	Number of Hand Pumps/ Tubewells	:	348
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	84.49
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	5.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	87.20
19	Total Sewage Generation (MLD)*	:	4.20
20	Per Capita Sewage Generation (lpcd)	:	65.20
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1756.50
		COD	: 2986.10
		TKN	: 351.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Betwa/ Dhasan River
32	Number of Drains/Nallah for Wastewater Disposal	:	1
33	Number of Water Bodies	:	9
34	Gross Area of Water Bodies (Hectare)	:	19.90
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Roshan Pura alias Dichaon Khurd		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	2.80
2	Population as in 2011	:	57217
3	Population Growth Rate as in 2011 (%)	:	48.30
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	57217
6	Total Number of Household as in 2011	:	10956
7	Number of Household per Ward	:	10956
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	6.20
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1544.90
		COD	: 2626.30
		TKN	: 309.00
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sadat Pur Gujran		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	1.10
2	Population as in 2011	:	97641
3	Population Growth Rate as in 2011 (%)	:	125.91
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	97641
6	Total Number of Household as in 2011	:	18679
7	Number of Household per Ward	:	18679
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	13.20
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	10.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2636.30
		COD	: 4481.70
		TKN	: 527.30
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sahibabad Daulat Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	5.70
2	Population as in 2011	:	54773
3	Population Growth Rate as in 2011 (%)	:	52.23
4	Total Number of Wards	:	1
5	Population per Ward (Thousands)	:	54773
6	Total Number of Household as in 2011	:	11720
7	Number of Household per Ward	:	11720
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.90
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1478.90
		COD	: 2514.10
		TKN	: 295.80
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna, Hindan River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Shajapur		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	17.19
2	Population as in 2011	:	69263
3	Population Growth Rate as in 2011 (%)	:	19.79
4	Total Number of Wards	:	29
5	Population per Ward (Thousands)	:	2,388
6	Total Number of Household as in 2011	:	13066
7	Number of Household per Ward	:	451
8	Surface Water Supply (MLD)	:	4
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	60
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	4
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.40
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NIL
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1870.10
		COD	: 3179.20
		TKN	: 374.00
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Chiler, Lakhunder River
32	Number of Drains/Nallah for Wastewater Disposal	:	9
33	Number of Water Bodies	:	2
34	Gross Area of Water Bodies (Hectare)	:	3.04
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sheopur		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.29
2	Population as in 2011	:	71951
3	Population Growth Rate as in 2011 (%)	:	23.33
4	Total Number of Wards	:	23
5	Population per Ward (Thousands)	:	3,128
6	Total Number of Household as in 2011	:	13724
7	Number of Household per Ward	:	597
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.80
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1942.70
		COD	: 3302.60
		TKN	: 388.50
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Parbati River
32	Number of Drains/Nallah for Wastewater Disposal	:	5
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Shujalpur		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	7.74
2	Population as in 2011	:	51225
3	Population Growth Rate as in 2011 (%)	:	20.63
4	Total Number of Wards	:	21
5	Population per Ward (Thousands)	:	2,439
6	Total Number of Household as in 2011	:	9833
7	Number of Household per Ward	:	468
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.90
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1383.10
		COD	: 2351.20
		TKN	: 276.60
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Newaj River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sikandrabad		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	1.14
2	Population as in 2011	:	81028
3	Population Growth Rate as in 2011 (%)	:	15.97
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	3,241
6	Total Number of Household as in 2011	:	13231
7	Number of Household per Ward	:	529
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	6.00
10	Number of Bore Wells	:	5
11	Ground Water Extraction per Bore Well (MLD)	:	1.20
12	Number of Hand Pumps/ Tubewells	:	235
13	Ground Water Extraction per Hand Pump (lpcd)	:	500
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	75
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	76.47
19	Total Sewage Generation (MLD)*	:	48.79
20	Per Capita Sewage Generation (lpcd)	:	602.18
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2187.80
		COD	: 3719.20
		TKN	: 437.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Sironj		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	9.99
2	Population as in 2011	:	52460
3	Population Growth Rate as in 2011 (%)	:	24.37
4	Total Number of Wards	:	21
5	Population per Ward (Thousands)	:	2,498
6	Total Number of Household as in 2011	:	9928
7	Number of Household per Ward	:	473
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.10
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.70
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1416.40
		COD	: 2407.90
		TKN	: 283.30
30	Wastewater Disposal Means	:	Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Land Disposal
32	Number of Drains/Nallah for Wastewater Disposal	:	2
33	Number of Water Bodies	:	1
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Taj Pul		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	1.20
2	Population as in 2011	:	68796
3	Population Growth Rate as in 2011 (%)	:	15.35
4	Total Number of Wards	:	2
5	Population per Ward (Thousands)	:	34398
6	Total Number of Household as in 2011	:	13825
7	Number of Household per Ward	:	6913
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1857.50
		COD	: 3157.70
		TKN	: 371.50
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Tikamgarh		State: Madhya Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	6.22
2	Population as in 2011	:	79106
3	Population Growth Rate as in 2011 (%)	:	15.61
4	Total Number of Wards	:	27
5	Population per Ward (Thousands)	:	2,930
6	Total Number of Household as in 2011	:	14587
7	Number of Household per Ward	:	540
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	10.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	8.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 2135.90
		COD	: 3631.00
		TKN	: 427.20
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Jamani River
32	Number of Drains/Nallah for Wastewater Disposal	:	7
33	Number of Water Bodies	:	6
34	Gross Area of Water Bodies (Hectare)	:	125.28
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Tundla		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	8.25
2	Population as in 2011	:	50423
3	Population Growth Rate as in 2011 (%)	:	24.63
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,017
6	Total Number of Household as in 2011	:	8744
7	Number of Household per Ward	:	350
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	6.80
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	5.40
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1361.40
		COD	: 2314.40
		TKN	: 272.30
30	Wastewater Disposal Means	:	River & Land Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Vrindavan		State: Uttar Pradesh	
S. No.	Items		Value
1	Total Area (sq km)	:	13.49
2	Population as in 2011	:	63005
3	Population Growth Rate as in 2011 (%)	:	11.14
4	Total Number of Wards	:	25
5	Population per Ward (Thousands)	:	2,520
6	Total Number of Household as in 2011	:	11637
7	Number of Household per Ward	:	465
8	Surface Water Supply (MLD)	:	1.50
9	Ground Water (GW) Supply (MLD)	:	6
10	Number of Bore Wells	:	28
11	Ground Water Extraction per Bore Well (MLD)	:	0.21
12	Number of Hand Pumps/ Tubewells	:	400
13	Ground Water Extraction per Hand Pump (lpcd)	:	600
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	1.50
16	Average Water Supply Rate from ULB Sources (lpcd)	:	119.04
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	7.70
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	122.80
19	Total Sewage Generation (MLD)*	:	13.00
20	Per Capita Sewage Generation (lpcd)	:	206.90
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1701.10
		COD	: 2891.90
		TKN	: 340.20
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	6
33	Number of Water Bodies	:	7
34	Gross Area of Water Bodies (Hectare)	:	2.00
35	Area of Water Bodies as % of Total Area	:	<<< 1

Water Balance & Pollution Load (Domestic) Fact Sheet

City: Ziauddin Pur		State: NCT Delhi	
S. No.	Items		Value
1	Total Area (sq km)	:	1.80
2	Population as in 2011	:	68993
3	Population Growth Rate as in 2011 (%)	:	43.61
4	Total Number of Wards	:	3
5	Population per Ward (Thousands)	:	22998
6	Total Number of Household as in 2011	:	12057
7	Number of Household per Ward	:	4019
8	Surface Water Supply (MLD)	:	NA
9	Ground Water (GW) Supply (MLD)	:	NA
10	Number of Bore Wells	:	NA
11	Ground Water Extraction per Bore Well (MLD)	:	NA
12	Number of Hand Pumps/ Tubewells	:	NA
13	Ground Water Extraction per Hand Pump (lpcd)	:	NA
14	Number of Pumping Stations for Water Supply	:	NA
15	Total Pumping Capacity (MLD)	:	NA
16	Average Water Supply Rate from ULB Sources (lpcd)	:	NA
17	Total Water Supply from ULB and Non-ULB Sources (MLD)	:	9.30
18	Average Water Supply Rate from ULB & Non-ULB Sources (lpcd)	:	135.00
19	Total Sewage Generation (MLD)*	:	7.50
20	Per Capita Sewage Generation (lpcd)	:	108.00
21	Sewage Collection (MLD)	:	NA
22	Percentage of Sewage Collection (%)	:	NA
23	Number of STPs	:	NA
24	Total Installed Capacity of STPs under GAP I & II (MLD)	:	NA
25	Current Utilized Capacity of STPs (MLD)	:	NA
26	Percentage Utilization of Installed Capacity (%)	:	NA
27	Capacity of STPs Sanctioned under JNNURM & Others (MLD)	:	NA
28	Pollution Load (Domestic) (Method 1: Actual Flow) (kg/d)	BOD ₅	: NA
		COD	: NA
		TKN	: NA
29	Pollution Load (Domestic) (Method 2: Per Capita Contribution) (kg/d)	BOD ₅	: 1862.80
		COD	: 3166.80
		TKN	: 372.60
30	Wastewater Disposal Means	:	River Disposal
31	Name of River/Streams for Wastewater Disposal	:	Yamuna River
32	Number of Drains/Nallah for Wastewater Disposal	:	NA
33	Number of Water Bodies	:	NA
34	Gross Area of Water Bodies (Hectare)	:	NA
35	Area of Water Bodies as % of Total Area	:	<<< 1