

CHAPTER IV

Households With No Drainage Facilities

The absolute number and the percentage of households having no drainage connectivity for waste water outlet, in the country as a whole and in various states; for total, urban and rural areas separately, as per the Census of India, 2001; can be seen in Tables 4 A, 4 B and 4 C respectively. In every table, the states have been arranged in ascending order of the respective percentage furnished in the table. The important findings from these tables are given below :

I. All India - Percentage of households having no drainage connectivity for waste water outlet

Total	:	53.6
Urban	:	22.1
Rural	:	65.8

II. State having the highest percentage of households having no drainage connectivity for waste water outlet

Total	:	Lakshadweep (100.0)
Urban	:	Lakshadweep (100.0)
Rural	:	Lakshadweep (100.0)

III. State having the lowest percentage of households having no drainage connectivity for waste water outlet

Total	:	Chandigarh (9.9)
Urban	:	Sikkim (5.8)
Rural	:	Chandigarh (8.4)

IV. States whose percentages are higher than or equivalent to the national average of households having no drainage connectivity for waste water outlet

Total		Urban		Rural	
State / UT	%	State / UT	%	State / UT	%
Nagaland	54.7	Meghalaya	23.3	Goa	66.8
Tamil Nadu	54.9	Madhya Pradesh	24.1	Daman & Diu	67.1
Mizoram	55.8	A & N Islands	25.9	Manipur	67.2
Jammu & Kashmir	59.4	Jharkhand	27.6	Sikkim	68.4
A & N Islands	59.6	Nagaland	27.8	Himachal Pradesh	69.2
Sikkim	60.6	Tamil Nadu	30.0	Tamil Nadu	72.6
Daman & Diu	60.7	Goa	31.0	Jammu & Kashmir	73.2
Manipur	61.0	Bihar	31.4	Meghalaya	73.7
Gujarat	61.2	Pondicherry	31.9	Arunachal Pradesh	73.9
Bihar	62.0	West Bengal	32.9	Mizoram	75.2
Himachal Pradesh	62.8	Arunachal Pradesh	36.7	A & N Islands	75.5
Meghalaya	62.8	Mizoram	37.0	Tripura	76.3
Rajasthan	63.5	Chhattisgarh	37.0	Rajasthan	76.8
Arunachal Pradesh	65.5	Orissa	42.5	Pondicherry	79.5
Madhya Pradesh	65.8	Manipur	42.9	Madhya Pradesh	80.2
West Bengal	69.2	Tripura	46.9	Jharkhand	82.3
Jharkhand	70.4	Assam	47.4	Kerala	84.0
Tripura	70.9	D & N Haveli	47.8	West Bengal	84.1
D & N Haveli	77.7	Daman & Diu	49.1	Assam	85.0
Chhattisgarh	78.9	Kerala	69.1	Orissa	85.1
Orissa	79.3	Lakshadweep	100.0	Gujarat	86.3
Assam	79.6			D & N Haveli	87.9
Kerala	80.3			Chhattisgarh	88.7
Lakshadweep	100.0			Lakshadweep	100.0

V. States whose percentages are lower than the national average of households having no drainage connectivity for waste water outlet

Total		Urban		Rural	
State / UT	%	State / UT	%	State / UT	%
Chandigarh	9.9	Sikkim	5.8	Chandigarh	8.4
Delhi	10.1	Uttar Pradesh	7.6	Punjab	21.9
Punjab	17.8	Delhi	9.0	Delhi	25.5
Haryana	23.2	Chandigarh	10.1	Haryana	28.3
Uttar Pradesh	29.5	Punjab	10.2	Uttar Pradesh	35.0
Maharashtra	39.2	Haryana	11.6	Andhra Pradesh	58.6
Pondicherry	48.4	Uttaranchal	11.8	Maharashtra	58.9
Andhra Pradesh	48.4	Maharashtra	12.4	Nagaland	61.4
Karnataka	48.8	Himachal Pradesh	13.9	Karnataka	64.6

Goa	49.0	Andhra Pradesh	17.7	Uttaranchal	65.0
Uttaranchal	51.9	Jammu & Kashmir	18.2	Bihar	65.1
		Karnataka	19.0		
		Rajasthan	19.8		
		Gujarat	21.7		

VI. Distribution of states by percentage of households having no drainage connectivity for waste water outlet

i. Total

Percentage Range	No. of States	%age to total	Names of States
Below 15	2	5.7	Chandigarh, Delhi
15 - 30	3	8.6	Punjab, Haryana, Uttar Pradesh
30 - 45	1	2.9	Maharashtra
45 - 55	7	20.0	Pondicherry, Andhra Pradesh, Karnataka, Goa, Uttaranchal, Nagaland, Tamil Nadu
55 - 70	14	40.0	Mizoram, Jammu & Kashmir, A & N Islands, Sikkim, Daman & Diu, Manipur, Gujarat, Bihar, Himachal Pradesh, Meghalaya, Rajasthan, Arunachal Pradesh, Madhya Pradesh, West Bengal
70 - 85	7	20.0	Jharkhand, Tripura, D & N Haveli, Chhattisgarh, Orissa, Assam, Kerala
85 & above	1	2.9	Lakshadweep,
Total	35	100.0	

ii. Urban

Percentage Range	No. of States	%age to total	Names of States
Below 10	3	8.6	Sikkim, Uttar Pradesh, Delhi
10 - 20	10	28.6	Chandigarh, Punjab, Haryana, Uttaranchal, Maharashtra, Himachal Pradesh, Andhra Pradesh, Jammu & Kashmir, Karnataka, Rajasthan
20 - 30	6	17.1	Gujarat, Meghalaya, Madhya Pradesh, A & N Islands, Jharkhand, Nagaland
30 - 40	8	22.9	Tamil Nadu, Goa, Bihar, Pondicherry, West Bengal, Arunachal Pradesh, Mizoram, Chhattisgarh
40 - 50	6	17.1	Orissa, Manipur, Tripura, Assam, D & N Haveli, Daman & Diu
50 - 60	0	0.0	Nil
60 & above	2	5.7	Kerala, Lakshadweep
Total	35	100.0	

iii. Rural

Percentage Range	No. of States	%age to total	Names of States
Below 25	2	5.7	Chandigarh, Punjab
25 - 40	3	8.6	Delhi, Haryana, Uttar Pradesh,
40 - 55	0	0.0	Nil
55 - 70	11	31.4	Andhra Pradesh, Maharashtra, Nagaland, Karnataka, Uttaranchal, Bihar, Goa, Daman & Diu, Manipur, Sikkim, Himachal Pradesh
70 - 85	13	37.1	Tamil Nadu, Jammu & Kashmir, Meghalaya, Arunachal Pradesh, Mizoram, A & N Islands, Tripura, Rajasthan, Pondicherry, Madhya Pradesh, Jharkhand, Kerala, West Bengal
85 & above	6	17.1	Assam, Orissa, Gujarat, D & N Haveli, Chhattisgarh, Lakshadweep
Total	35	100.0	

Table 4 A				
Statewise Number of Households (Total) having No Drainage Connectivity for Waste Water Outlet - 2001				
S.No.	State / UT	Total no. of households	No. of households (total) having no drainage connectivity	
			Number	%
1	Chandigarh	201,878	20,037	9.9
2	Delhi	2,554,149	256,920	10.1
3	Punjab	4,265,156	760,742	17.8
4	Haryana	3,529,642	818,855	23.2
5	Uttar Pradesh	25,760,601	7,603,168	29.5
6	Maharashtra	19,063,149	7,473,121	39.2
7	Pondicherry	208,655	100,957	48.4
8	Andhra Pradesh	16,849,857	8,162,911	48.4
9	Karnataka	10,232,133	4,989,708	48.8
10	Goa	279,216	136,883	49.0
11	Uttaranchal	1,586,321	823,954	51.9
12	Nagaland	332,050	181,501	54.7
13	Tamil Nadu	14,173,626	7,779,425	54.9
14	Mizoram	160,966	89,884	55.8
15	Jammu & Kashmir	1,551,768	921,084	59.4
16	A & N Islands	73,062	43,538	59.6
17	Sikkim	104,738	63,492	60.6
18	Daman & Diu	34,342	20,843	60.7
19	Manipur	397,656	242,605	61.0
20	Gujarat	9,643,989	5,898,057	61.2
21	Bihar	13,982,590	8,662,244	62.0
22	Himachal Pradesh	1,240,633	779,058	62.8
23	Meghalaya	420,246	264,097	62.8
24	Rajasthan	9,342,294	5,931,340	63.5
25	Arunachal Pradesh	212,615	139,290	65.5
26	Madhya Pradesh	10,919,653	7,185,881	65.8
27	West Bengal	15,715,915	10,881,855	69.2
28	Jharkhand	4,862,590	3,421,948	70.4
29	Tripura	662,023	469,195	70.9
30	Dadra & Nagar Haveli	43,973	34,152	77.7
31	Chhattisgarh	4,148,518	3,271,505	78.9
32	Orissa	7,870,127	6,237,572	79.3
33	Assam	4,935,358	3,926,221	79.6
34	Kerala	6,595,206	5,294,537	80.3
35	Lakshadweep	9,240	9,240	100.0
India		191,963,935	102,895,820	53.6

Source : Census of India, 2001

Table 4 B				
Statewise Number of Urban Households having No Drainage Connectivity for Waste Water Outlet - 2001				
S.No.	State / UT	Total no. of urban households	No. of urban households having no drainage connectivity	
			Number	%
1	Sikkim	13,015	756	5.8
2	Uttar Pradesh	5,170,527	394,109	7.6
3	Delhi	2,384,621	213,739	9.0
4	Chandigarh	180,576	18,252	10.1
5	Punjab	1,489,694	152,375	10.2
6	Haryana	1,075,179	124,655	11.6
7	Uttaranchal	390,164	45,871	11.8
8	Maharashtra	8,069,526	1,002,289	12.4
9	Himachal Pradesh	143,113	19,926	13.9
10	Andhra Pradesh	4,173,639	739,003	17.7
11	Jammu & Kashmir	390,411	70,909	18.2
12	Karnataka	3,556,960	677,009	19.0
13	Rajasthan	2,185,591	432,880	19.8
14	Gujarat	3,758,028	815,747	21.7
15	Meghalaya	90,568	21,142	23.3
16	Madhya Pradesh	2,794,858	672,752	24.1
17	A & N Islands	23,409	6,057	25.9
18	Jharkhand	1,060,178	293,016	27.6
19	Nagaland	66,716	18,522	27.8
20	Tamil Nadu	5,898,836	1,768,305	30.0
21	Goa	138,461	42,878	31.0
22	Bihar	1,322,583	415,186	31.4
23	Pondicherry	136,456	43,573	31.9
24	West Bengal	4,554,045	1,496,236	32.9
25	Arunachal Pradesh	48,114	17,677	36.7
26	Mizoram	81,604	30,196	37.0
27	Chhattisgarh	789,440	292,372	37.0
28	Orissa	1,087,248	462,197	42.5
29	Manipur	101,302	43,423	42.9
30	Tripura	122,343	57,431	46.9
31	Assam	715,185	338,878	47.4
32	Dadra & Nagar Haveli	11,190	5,351	47.8
33	Daman & Diu	12,251	6,019	49.1
34	Kerala	1,652,656	1,142,092	69.1
35	Lakshadweep	3,889	3,889	100.0
	India	53,692,376	11,884,712	22.1

Source : Census of India, 2001

Table 4 C				
Statewise Number of Rural Households having No Drainage Connectivity for Waste Water Outlet - 2001				
S.No.	State / UT	Total no. of rural households	No. of rural households having no drainage connectivity	
			Number	%
1	Chandigarh	21,302	1,785	8.4
2	Punjab	2,775,462	608,367	21.9
3	Delhi	169,528	43,181	25.5
4	Haryana	2,454,463	694,200	28.3
5	Uttar Pradesh	20,590,074	7,209,059	35.0
6	Andhra Pradesh	12,676,218	7,423,908	58.6
7	Maharashtra	10,993,623	6,470,832	58.9
8	Nagaland	265,334	162,979	61.4
9	Karnataka	6,675,173	4,312,699	64.6
10	Uttaranchal	1,196,157	778,083	65.0
11	Bihar	12,660,007	8,247,058	65.1
12	Goa	140,755	94,005	66.8
13	Daman & Diu	22,091	14,824	67.1
14	Manipur	296,354	199,182	67.2
15	Sikkim	91,723	62,736	68.4
16	Himachal Pradesh	1,097,520	759,132	69.2
17	Tamil Nadu	8,274,790	6,011,120	72.6
18	Jammu & Kashmir	1,161,357	850,175	73.2
19	Meghalaya	329,678	242,955	73.7
20	Arunachal Pradesh	164,501	121,613	73.9
21	Mizoram	79,362	59,688	75.2
22	A & N Islands	49,653	37,481	75.5
23	Tripura	539,680	411,764	76.3
24	Rajasthan	7,156,703	5,498,460	76.8
25	Pondicherry	72,199	57,384	79.5
26	Madhya Pradesh	8,124,795	6,513,129	80.2
27	Jharkhand	3,802,412	3,128,932	82.3
28	Kerala	4,942,550	4,152,445	84.0
29	West Bengal	11,161,870	9,385,619	84.1
30	Assam	4,220,173	3,587,343	85.0
31	Orissa	6,782,879	5,775,375	85.1
32	Gujarat	5,885,961	5,082,310	86.3
33	Dadra & Nagar Haveli	32,783	28,801	87.9
34	Chhattisgarh	3,359,078	2,979,133	88.7
35	Lakshadweep	5,351	5,351	100.0
India		138,271,559	91,011,108	65.8
<i>Source : Census of India, 2001</i>				