

# 13.Sanitation



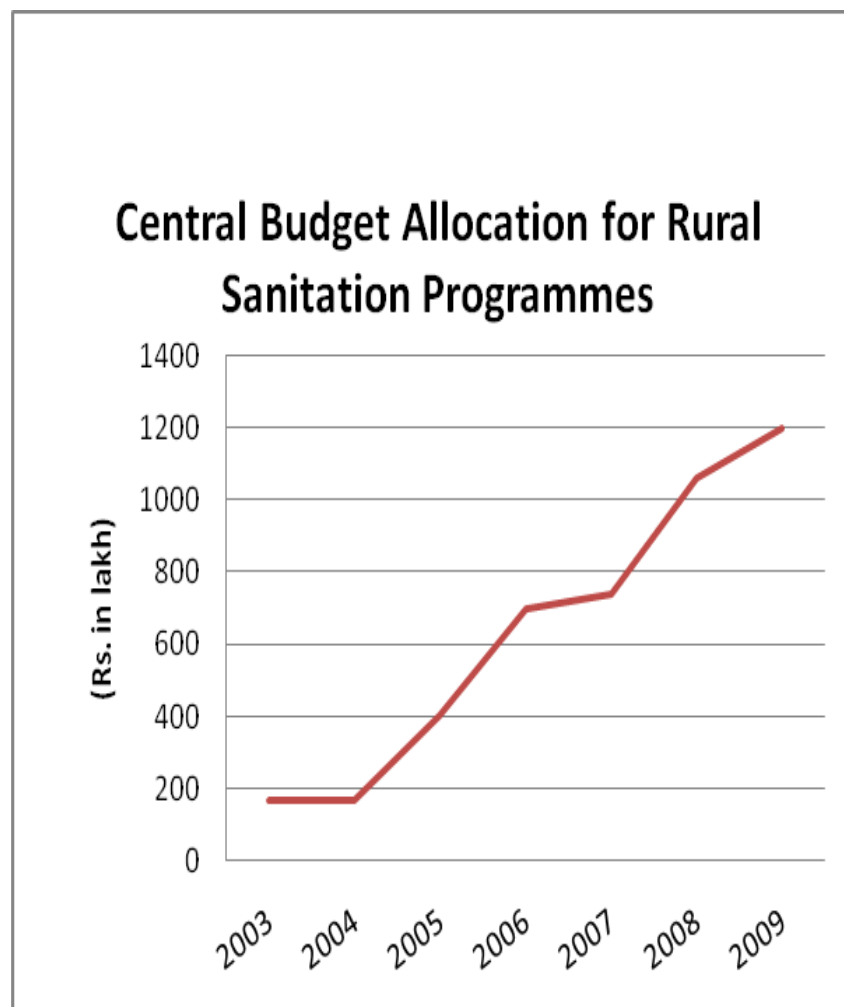


## 13. SANITATION

13.1 This is one of the data poor sectors. M/o Rural Development and M/o Urban Development are the nodal agencies for data supply. But only data available was expenditure incurred by centre and public investment by centre and states on Rural sanitation programmes and households having access to toilet facilities from M/o Rural Development. Apart from the concerned ministries, other sources of data for urban as well as rural areas are Population census and NSSO Surveys. But these sources do not give us continuous time series data, and latest census data pertains to 2001. Hence comparative information available from NSSO surveys, regarding per thousand households having access to toilet facilities for the years 1993 and 2002 has been presented in the publication. Unless otherwise stated analytical highlights given below are based on Table No. 13.0 Trends in Important Indicators of Sanitation Infrastructure.

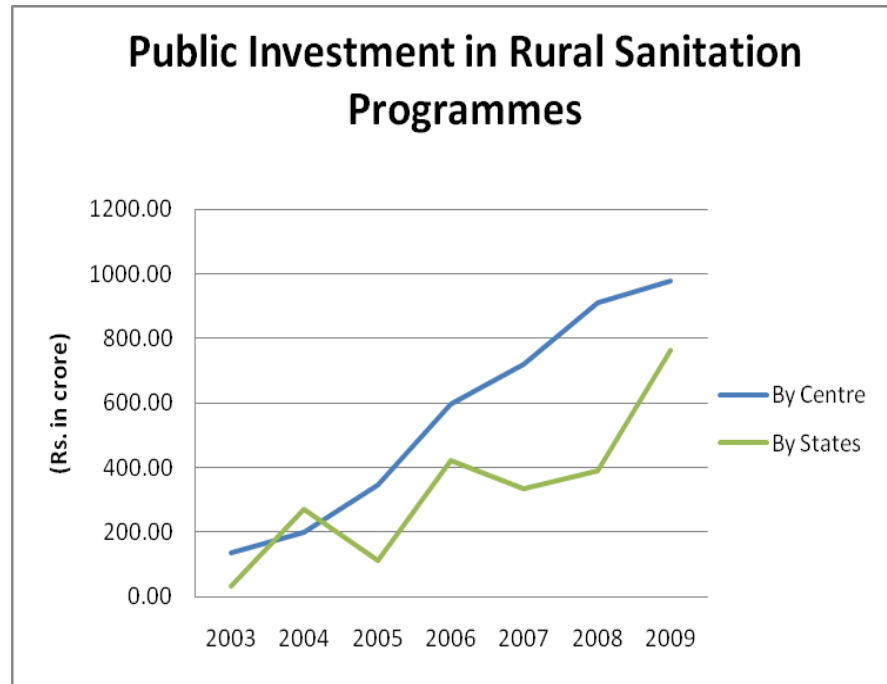
### Accessibility

13.2 Number of rural households having access to toilet facilities increased from 316 lakh in 2003 to 843 lakh in 2009, showing appreciable growth rate of 18% per annum. As per NSSO survey data access to toilet facilities has deteriorated in urban areas, but has improved in rural areas during 1993 to 2003. This could be due to rural to urban migration and increased population densities in urban areas (Table 13A.1).



**Fiscal Cost**

13.3 The central budgetary support and public investment by centre and states in rural sanitation programmes has increased significantly during 2003 to 2009.



**Table 13.0 : Trends in Important Indicators of Sanitation Infrastructure**

Sl. No.	Description	2003	2004	2005	2006	2007	2008	2009	CAGR %	
		( Reference Date / Period								
		- As on 31st March for Stock Variables								
		- Financial Year ending on 31st March for Flow Variables)								
<b>A</b>		<b>ACCESS</b>								
1	Rural Households Covered by On Site Sanitation System (in lakh numbers)	6.21	61.12	45.82	91.71	97.00	115.28	116.68	63.05	
2	Rural Households having access to Toilet Facilities as on 31st March (in lakh numbers)	315.64	376.76	422.59	514.30	611.30	726.58	843.27	17.80	
<b>C</b>		<b>FISCAL COST</b>								
3	Budget Allocation(Central)(Rs. Lakh)									
	Sanitation	165	165	400	700	740	1060	1200	39.19	
4	Budgetary Expenditure( Central)(Rs. Lakh)									
	Sanitation	141	205	367.66	657.48	737.91	1060	1200	42.89	
5	Public Investment ( Rs. in Crores)									
	<b>By Centre</b>									
	Sanitation	136.63	199.89	347.22	595.32	720.97	908.93	977.55	38.81	
	<b>By States</b>									
	Sanitation	32.99	270.19	111.48	420.80	333.64	389.92	761.97	68.76	

Source : Material supplied by Deptt. of Drinking Water Supply, M/o Rural Development

**Table 13A.1 : Statewise Number of Households having  
Access to Toilet Facilities per 1000 Households**

Sl. No.	State	(in numbers)					
		Urban			Rural		
		1993	2002	% Change	1993	2002	% Change
1	Andhra Pradesh	632	390	-38.3	128	392	206.3
2	Arunachal Pradesh	940	765	-18.6	615	799	29.9
3	Assam	928	514	-44.6	702	538	-23.4
4	Bihar	646	212	-67.2	69	212	207.2
5	Chhattisgarh	-	177	-	-	177	-
6	Goa	778	783	0.6	304	801	163.5
7	Gujarat	723	494	-31.7	170	493	190.0
8	Haryana	685	412	-39.9	58	411	608.6
9	Himachal Pradesh	728	369	-49.3	130	369	183.8
10	Jammu & Kashmir	667	610	-8.5	38	507	1234.2
11	Jharkhand	-	244	-	-	246	-
12	Karnataka	648	288	-55.6	108	287	165.7
13	Kerala	840	395	-53.0	666	395	-40.7
14	Madhya Pradesh	566	234	-58.7	22	234	963.6
15	Maharashtra	767	451	-41.2	74	450	508.1
16	Manipur	950	593	-37.6	850	619	-27.2
17	Meghalaya	988	380	-61.5	444	387	-12.8
18	Mizoram	996	493	-50.5	980	504	-48.6
19	Nagaland	991	687	-30.7	988	701	-29.0
20	Orissa	446	201	-54.9	23	195	747.8
21	Punjab	789	461	-41.6	206	461	123.8
22	Rajasthan	624	279	-55.3	89	278	212.4
23	Sikkim	915	613	-33.0	612	616	0.7
24	Tamil Nadu	639	384	-39.9	83	382	360.2
25	Tripura	994	300	-69.8	933	304	-67.4
26	Uttar Pradesh	674	279	-58.6	86	277	222.1
27	Uttarakhand	-	485	-	-	489	-
28	West Bengal	786	370	-52.9	169	367	117.2
<b>Union Territories</b>							
1	Andaman & Nicobar	767	499	-34.9	322	499	55.0
2	Chandigarh	887	934	5.3	321	934	191.0
3	Dadar & Nagar Haveli	693	391	-43.6	65	391	501.5
4	Daman & Diu	649	763	17.6	260	763	193.5
5	Delhi	704	936	33.0	562	918	63.3
6	Lakshadweep	711	579	-18.6	918	579	-36.9
7	Puducherry	808	577	-28.6	90	577	541.1
<b>Grand Total</b>		<b>693</b>	<b>403</b>	<b>-41.8</b>	<b>139</b>	<b>405</b>	<b>191.4</b>

Source: 1. NSS Report No.488, 2002

2.NSS Report No.429,1993

**Table 13A.2 : Statewise Rural Households having Access to Toilet Facilities As on 31st March**

(In lakh numbers)									
Sl. No.	State	2003	2004	2005	2006	2007	2008	2009	CAGR %
1	Andhra Pradesh	23.79	45.82	49.54	59.03	72.87	76.76	79.69	22.32
2	Arunachal Pradesh	0.78	0.82	0.84	0.88	0.89	0.95	0.98	3.90
3	Assam	25.14	25.24	25.53	25.79	26.38	27.26	29.32	2.60
4	Bihar	17.62	17.95	18.50	19.08	20.77	25.90	33.46	11.29
5	Chhattisgarh	1.74	1.75	1.79	2.03	4.92	9.99	13.04	39.89
6	Goa	0.68	0.68	0.68	0.68	0.83	0.83	1.02	6.96
7	Gujarat	12.77	12.77	13.14	16.61	24.24	32.72	42.56	22.22
8	Haryana	7.04	7.45	8.01	9.44	12.70	19.29	22.96	21.79
9	Himachal Pradesh	3.04	3.04	3.05	3.09	3.93	5.29	8.43	18.52
10	Jammu & Kashmir	4.85	4.86	4.88	4.88	5.80	6.20	7.59	7.73
11	Jharkhand	2.50	2.59	2.76	3.39	4.73	7.92	11.54	29.06
12	Karnataka	11.75	11.93	11.96	14.09	18.58	25.78	29.88	16.83
13	Kerala	41.21	42.36	44.02	45.56	46.78	49.68	50.50	3.45
14	Madhya Pradesh	7.38	7.81	10.32	14.23	19.22	27.90	41.97	33.61
15	Maharashtra	20.63	21.75	25.48	34.87	50.11	62.03	70.58	22.76
16	Manipur	2.30	2.30	2.30	2.30	2.31	2.35	2.39	0.70
17	Meghalaya	1.32	1.32	1.32	1.32	1.33	1.56	1.86	5.87
18	Mizoram	0.63	0.63	0.63	0.63	1.06	1.22	1.31	12.83
19	Nagaland	1.74	1.88	1.90	1.90	1.91	2.03	2.09	3.10
20	Orissa	5.74	8.02	11.15	14.14	18.04	22.80	26.04	28.65
21	Punjab	11.58	11.60	11.60	11.60	11.60	13.32	15.96	5.49
22	Rajasthan	10.45	10.68	11.79	12.86	14.38	22.47	31.37	20.10
23	Sikkim	0.56	0.59	0.80	1.12	1.36	1.45	1.49	17.87
24	Tamil Nadu	13.66	20.85	28.90	51.78	55.69	62.17	66.39	30.15
25	Tripura	4.54	7.01	7.52	8.54	8.75	8.77	9.40	12.89
26	Uttar Pradesh	41.16	45.93	56.23	77.56	95.26	115.41	139.56	22.57
27	Uttarakhand	3.78	3.79	4.15	4.72	5.37	6.12	7.11	11.11
28	West Bengal	35.53	53.58	62.02	70.41	79.71	86.63	92.99	17.39
<b>State Total</b>		<b>313.89</b>	<b>375.00</b>	<b>420.82</b>	<b>512.54</b>	<b>609.54</b>	<b>724.81</b>	<b>841.49</b>	<b>17.86</b>
<b>Union Territories</b>									
1	Andaman & Nicobar	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.00
2	Chandigarh	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.00
3	Dadar & Nagar Haveli	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.11
4	Daman & Diu	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.00
5	Delhi	1.07	1.07	1.07	1.07	1.07	1.07	1.07	0.00
6	Lakshadweep	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.00
7	Puducherry	0.15	0.16	0.16	0.16	0.17	0.17	0.17	2.03
<b>UT Total</b>		<b>1.75</b>	<b>1.76</b>	<b>1.76</b>	<b>1.76</b>	<b>1.77</b>	<b>1.77</b>	<b>1.77</b>	<b>0.19</b>
<b>India Total</b>		<b>315.64</b>	<b>376.76</b>	<b>422.59</b>	<b>514.30</b>	<b>611.30</b>	<b>726.58</b>	<b>843.27</b>	<b>17.80</b>

Source : Material supplied by Deptt. of Drinking Water Supply, M/o Rural Development

**Table 13C.1 : Statewise and Scheme-wise  
Expenditure on Sanitation Programmes during the  
Tenth Plan**

(Rs. in crore)			
Sl. No.	State	Central Schemes	State Schemes
1	Andhra Pradesh	233.79	265.69
2	Arunachal Pradesh	4.82	1.28
3	Assam	21.48	6.94
4	Bihar	82.95	18.00
5	Chhattisgarh	86.17	36.49
6	Goa	1.35	1.03
7	Gujarat	89.50	46.65
8	Haryana	36.21	17.00
9	Himachal Pradesh	7.97	2.42
10	Jammu & Kashmir	11.21	3.63
11	Jharkhand	72.81	25.99
12	Karnataka	81.39	37.16
13	Kerala	32.09	17.01
14	Madhya Pradesh	137.25	45.12
15	Maharashtra	150.24	81.45
16	Manipur	1.94	0.20
17	Meghalaya	8.45	0.00
18	Mizoram	9.29	1.65
19	Nagaland	2.45	0.33
20	Orissa	137.92	36.54
21	Punjab	9.47	0.13
22	Rajasthan	65.88	38.72
23	Sikkim	6.13	10.11
24	Tamil Nadu	205.94	107.21
25	Tripura	17.99	11.25
26	Uttar Pradesh	376.99	312.75
27	Uttarakhand	9.23	3.42
28	West Bengal	98.63	40.94
<b>State Total</b>		<b>1999.54</b>	<b>1169.12</b>
Union Territories			
1	Andaman & Nicobar	0	0
2	Chandigarh	0	0
3	Dadar & Nagar Haveli	0.03	0
4	Daman & Diu	0	0
5	Delhi	0	0
6	Lakshadweep	0	0
7	Puducherry	0.47	0
<b>UT Total</b>		<b>0.51</b>	<b>0</b>
<b>Grand Total</b>		<b>2000.04</b>	<b>1169.12</b>

Source : Material supplied by Deptt. of Drinking Water Supply, M/o Rural Development