Table 13.1

WATER CONSUMPTION IN DELHI

Year	Number of Connections Metered	Un-Metered	Domestic Consumption Lgd	Comm-erical Industrial Consmption Lgd	Total Consumption Lgd	Per Capital Consumption of Water (Gallons/Day)
1	2	3	4	5	6	7
1976-77	210931	28673	1174	387	1561	30.38
1977-78	239854	22633	1414	364	1778	33.17
1978-79	258307	20159	1529	352	1881	33.65
1979-80	314763	16131	1519	364	1883	32.26
1980-81	355157	13143	1542	411	1953	32.07
1981-82	386167	12620	1556	509	2065	32.24
1982-83	409184	11396	1648	490	2138	32.16
1983-84	437251	11185	NA	NA	NA	NA
1984-85	475009	10457	1929	507	2436	33.65
1985-86	501174	10054	2524	513	3037	40.22
1986-87	547000	26000	2918	483	3401	43.27
1987-88	580000	30000	NA	NA	NA	NA
1988-89	625000	126000	NA	NA	NA	NA
1989-90	637914	206850	3534	523	4067	45.57
1990-91	678461	226960	4013	527	4540	49.03
1991-92	700923	245451	4049	556	4605	47.66
1992-93	745029	253977	4082	567	4649	46.66
1993-94	804180	294174	4087	424	4511	43.74
1994-95	826624	311262	4057	433	4490	42.04
1995-96	853807	315687	4114	627	4841	43.76
1996-97	915974	284917	8377	1478	9855	80.24
1997-98	934170	290217	8120	1408	9528	94.11
1998-99	955721	297182	8451	1491	9942	94.09
99-2000	993939	300100	8451	1491	9942	91.15
2000-01	1031948	312000	NA	NA	7310	53.04

LGD - Lakh Gallons Daily.

Source : Delhi Statistical Abstract, Delhi Statistical Handbook, Dte. of Economics & Statistics, Govt. of NCT of Delhi.

Table 13.2

Estimated Population, Water Supply Wastewater Production - January, 2000

Sewerage zones	Population (lakh)			Water supplied (mld)			Est. wastewater
	Served	Uns'v'd	Total	DJB	Other	Total	generation (mld)
Rithala	13.6	11.4	25.0	400	80	480	384
Coronation Pillar	5.0	4.2	9.2	250	50	300	240
Keshopur	18.1	15.4	33.5	620	124	744	592
Trans-Yamuna	14.6	12.3	26.9	390	78	468	375
Okhla	20.8	17.6	38.4	1080	216	1296	1037
Total	72.1	60.9	133.0	2740	548	3288	2628

Source : DJB & DUEIIP

Table 13.3

DUEIIP PROJECTIONS FOR WATER REQUIREMENTS IN 2021

Domestic Demand

S No	Type of settlement	Approx. present Population in Million	Norm of Supply (lpcd)	Total requirement (MLD)
1	Upgraded J.J. Clusters	3.27	150	490.5
2	Upgraded Slums	4.20	150	630.0
3	Upgraded Regularised	1.17	150	175.5
4	Resettlement Colonies	2.79	200	558.0
5	Rural villages	1.17	150	175.5
6	Regularised Colonies	2.79	200	558.0
7	Urban villages	1.39	200	278.0
8	Planned Colonies	5.22	225	1174.5
			Total	4040.0

(b) Fire Demand based on 100Ö p =14.83 MLD

(c) Non Domestic Demand (Category -II)

Non domestic demand is based on present supply increased in the same proportion as population increase. Therefore non domestic demand (cat-II) = 120 X 1.64 = 196.8 MLD

(d) Non Domestic Demand (Category -III)

Based on the same principle non domestic demand (cat-III) = 70.20 MLD

(e) Leakages & line losses (10%)

It is assumed that with use of better materials, technology up-gradation and strict quality control during construction, replacement of old pipes and fittings, rehabilitation of WTP and BPS, Ground reservoir and OHT. Leakage and line losses will be restricted to 10%. = 430.80 MLD

Total Future Demand = 4752.63 MLD

Table 13.4

SEWERAGE FACILITIES IN DIFFERENT TYPES OF SETTLEMENTS IN DELHI (MARCH 2001)

SN	Type of settlement	Total No. of settlements in the year			Sewerage facilities in the settlements in the year (Cummulative)		
		1999	2000	2001	1999	2000	2001
1	2	3	4	5	6	7	8
1.	Urban Villages	126	135	135	84	84	93
2.	RegularisedUnauthorised Colonies	567	567	567	294	366	414
3.	JJ Resettlement Colonies	44	44	44	27	34	39

Source : Delhi Jal Board

Table 13.5

STATUS OF THE TRUNK SEWERS IN DELHI - JANUARY, 2000

Zones	Length (km)	Dia/size (m)	Type & status
Rithala	2.5	2.4	Brick, functioning satisfactorily silted 30
	10.2	0.7-1.6	-70%, settled up to 500mm new, not
	4.0	1.4	yet in operation
Coronation Pillar	10.5	1.2	Silted 40-60%, sections not working
Keshopur	27.5	0.7-1.8	Silted 30-60%
Trans-Yamuna	15.6	0.9-2.1	Silted 30-60%
Okhla	14.1	1.1-1.4 & 1.2x1.3-1.625x2.44	Satisfactory
	22.6	1.35-2.75 & 0.6x0.9 - 0.8x1.0	Silted up to 60%, some settlement
	5.1	1.2	Not functioning, also some settlement
	4.5	1.2	Structurally weak
	9.0	1.6-2.1	Partially abandoned

Source: DJB & DUEIIP