

Table 8.1									
ANNUAL AVERAGE CONCENTRATIONS OF SULPHUR DIOXIDE (SO <sub>2</sub> ) IN DELHI.									
	RESIDENTIAL AREA				INDUSTRIAL AREA				B S Z Marg
	(Concentration in µg/m <sup>3</sup> )				(Concentration in µg/m <sup>3</sup> )				
	Stations				Stations				
Years	Ashok Vihar	Siri-fort	Janak- puri	Nizam- uddin	Avg. (Resi.)	Shahdara	Shahzad aBagh	(Ind.)Avg.	
1989	5	4.8	6.2	13	7.3	14	9.9	12	
1990	6.6	8.7	6.5	7.4	7.3	25	6.6	16	
1991	17	8.4	12	13	13	17	13	15	
1992	18	13	16	17	16	17	30	24	
1993	18	17	15	14	16	22	25	24	
1994	21	13	16	16	17	21	30	26	
1995	18	15	18	16	17	22	26	24	
1996	16	15	17	17	16	19	22	21	
1997	14	13	16	18	15	16	24	20	21
1998	15	16	17	16	16	18	22	20	25
1999	12	19	18	17	17	20	21	21	22
2000	12	18	19	20	17	20	18	19	18
2001	8	14	17	17	14	13	14	13.5	15
2002	6.5	12	14	13.6	11.5	11.5	10	10.8	10
2003	6.3	8.9	11.5	11.9	9.6	11.4	7.1	9.33	10
2004	9.5	7.5	9.9	10.8	9.4	9.36	10.1	9.73	8.6
2005	7.7	8.4	10.6	9.6	9.1	9.1	8.0	8.55	9
2006	10	7	10	11	9.5	10	10	10	13

**Source:** Department of Environment, Government of Delhi & Central pollution Control Board.  
Avg. of Residential & Industrial Area for 2001(Jan –June) = 16µg/m<sup>3</sup>  
**Note:-** Tav = 8 hrs from 1989 to 1993, while 24 hrs from 1994 onwards.

Table 8.2									
ANNUAL AVERAGE CONCENTRATIONS OF NITROGEN DIOXIDE (NO <sub>2</sub> ) IN DELHI.									B S Z Marg
RESIDENTIAL AREA					INDUSTRIAL AREA				
(Concentration in µg/m <sup>3</sup> )					(Concentration in µg/m <sup>3</sup> )				
Stations					Stations				
Years	Ashok Vihar	Siri-fort	Janak-puri	Nizam-uddin	Avg. (Resi.)	Shahdara	Shahzada Bagh	(Ind.)Avg.	
1989	23	15	18	18	19	16	21	19	
1990	25	21	26	16	22	23	24	24	
1991	31	24	33	25	28	25	25	25	
1992	33	24	31	30	30	35	29	32	
1993	31	32	38	30	33	35	33	34	
1994	30	28	36	37	33	29	38	34	
1995	29	29	37	37	33	28	45	37	
1996	25	31	36	36	32	28	41	35	
1997	23	29	35	37	31	29	45	37	66.8
1998	21	28	32	35	29	29	40	35	63.2
1999	20	24	30	32	27	25	43	34	60.1
2000	27	26	34	35	31	30	42	36	58.9
2001	20	22	37	36	28.8	23	36	29.55	67.4
2002	24.1	28.2	40	39.5	33	34.6	35	34.88	70
2003	32.3	31.7	43.8	43.3	37.8	32.7	39	35.88	93.9
2004	38.73	35.6	40.9	45.3	40.1	37.64	46.8	42.2	90
2005	48.17	35.08	48.25	44.83	44.08	36.17	45.58	40.88	90
2006	39	37	43	47	41.5	48	41	44.5	75

**Source:** Department of Environment, Government of Delhi & Central Pollution Control Board  
Note:- Tav = 8 hrs from 1989 to 1993, while 24 hrs from 1994 onwards.

Table 8.3									
ANNUAL AVERAGE CONCENTRATIONS OF SUSPENDED PARTICULATE MATTER (SPM) IN DELHI.									
	RESIDENTIAL AREA				INDUSTRIAL AREA				B S Z Marg
	(Concentration in µg/m <sup>3</sup> )				(Concentration in µg/m <sup>3</sup> )				
	Stations				Stations				
Years	Ashok Vihar	Siri-fort	Janak-puri	Nizam-uddin	Avg. (Resi.)	Shahdara	Shahzada Bagh	(Ind.)Avg.	
1989	385	328	322	331	342	361	510	436	
1990	339	317	317	294	317	314	447	381	
1991	259	255	391	296	300	325	373	349	
1992	321	351	372	358	351	364	498	431	
1993	322	353	393	362	358	383	421	402	
1994	340	331	426	443	385	350	373	362	
1995	406	408	422	398	409	437	369	403	452
1996	361	348	352	413	369	446	393	420	488
1997	307	367	343	362	345	313	282	314	409
1998	313	384	340	342	345	371	354	363	426
1999	361	363	358	313	349	359	362	361	418
2000	420	315	355	388	370	391	475	433	490
2001	303	350	315	276	311	411	304.3	57.55	476
2002	411	383	437	351	395.5	490	499	494.55	533
2003	356.5	281.2	303.4	313	313.5	350.4	354.6	352.55	506
2004	314.7	344	331	335	331	332	336	334	504
2005	313.3	303	316.5	272.4	301.3	300.4	301	300.7	504
2006	419	319	350	329	354	417	387	402	516

**All Values in µgrams/m<sup>3</sup>**  
 form may 2006 Ashok vihar Station shifted to Pitampura  
**Source** :Department of Environment, Government of Delhi & Central Pollution Control Board  
 Note:- Tav= 8 hrs from 1989 to 1993, while 24 hrs from 1994 onwards.

Table 8.4									
Annual Mean Value Of Respirable Suspended Particulate Matter (RSPM) IN DELHI.									
Years	RESIDENTIAL AREA				INDUSTRIAL AREA				B S Z Marg
	Ashok Vihar	Siri-fort	Janak-puri	Nizam-uddin	Avg. (Resi.)	Shahdara	Shahzada Bagh	(Ind.)Avg.	
2001	139	7	123	110	120	113	188	150.5	180
2002	150	132	145	129	139	158	177	167.5	270
2003	132	107	146	125	128	132	147	139.5	243
2004	129	120	131	131	128	125	131	128	223
2005	108	111	139	104	116	130	132	131	223
2006	130	131	144	114	130	160	145	152.5	212.6
<b>All Values in µgrams/m3</b>									
<b>from May 2006 Ashok vihar Station shifted to Pitampura</b>									

Table 8.5

**QUALITY OF DISCHARGES FROM MAJOR DRAINS FALLING INTO THE  
RIVER YAMUNA in 2007**

Name of drain	BOD (mg/l)			BODav/day
	Min.	Max.	Avg.	TON/day
Nazafgarh	22	56	40.7	72.8
Magazine Road	110	250	178.2	1.53
Sweeper Colony	40	120	84.7	0.73
Khyber Pass	4	23	9.4	0.08
Metcalf House	10	110	46.6	0.4
ISBT	36	120	89.4	3.08
Tonga Stand	42	230	116	0.19
Civil Mill Drain	100	210	148.7	6.4
Power House	60	280	183.6	9.5
Sen Nursing Home	110	190	145.4	12.5
Nallah No. 12A	8	36	18	0.01
Nallah No. 14	6	26	14.5	0.5
Barapulla	28	100	62.2	6.9
Maharani Bagh	90	160	124	7.5
Kalka ji	12	28	20.3	0.02
Tughlakabad	64	150	100	2.61
Shahdara	92	200	99	60.7

**Source:** Water Quality Monitoring Programme conducted by Delhi Pollution Control Committee.

<b>Table-8.6</b>						
<b>WATER QUALITY STATUS OF RIVER YAMUNA IN 2007</b>						
<b>SN</b>	<b>Location</b>	<b>pH</b>	<b>COD (mg/l)</b>	<b>BOD (mg/l)</b>	<b>DO (mg/l)</b>	<b>Coliform MPN/100ml</b>
1	At Palla	7.7	17.2	2.5	7.9	10033
2	Surghat	7.2	29.8	5.7	4.9	13000
3	Khajoori Pantoon pul(down streamNajafgarh drain)	7.4	137.9	38.5	0.4	47483
4	Kudasia ghat	7.3	89.7	26.9	1.0	280666
5	ITO Bridge	7.2	85.5	25.3	0.9	123500
6	Nizamuddin Bridge	7.3	62.4	19.8	0.5	111166
7	Agra Canal	7.4	56.4	18.8	0.2	46833
8	River Yamuna after meeting Shahdra Drain(Down stream of the barrage)	7.4	126.6	40.6	0.1	207833
9	Agra Canal (Jait pur)	7.9	59.7	19.8	0.4	66000
<b>Source: DPCC &amp; Environment Department, Govt. of Delhi</b>						