

STATUS OF AMBIENT AIR QUALITY OF SHIMLA

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During 2009-10

Station I

Tekka Bench (R)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 09	3.3	8.2	8.7	19.2	78	155
May, 09	2.8	10.4	7.5	15.5	79	165
June, 09	2.2	6.8	7.2	20.1	90	191
July, 09	2.1	6.3	5.3	16.0	49	116
August, 09	2.5	6.8	5.5	11.4	45	100
September, 09	2.5	5.8	6.4	13.3	39	115
October, 09	2.5	6.8	6.6	15.5	48	110
November, 09	2.7	7.8	8.5	16.9	51	133
December 09	2.7	7.1	8.8	24.9	83	386
January, 10	2.6	7.8	6.5	12.8	41	107
February, 10	2.3	5.8	8.5	16.5	50	101
March, 10	2.1	7.3	8.5	19.2	67	114

Station II

Bus Stand (R)

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 09	3.9	10.7	8.7	17.8	68	143
May, 09	3.7	14.6	14.1	32.9	145	285
June, 09	2.6	7.8	11.2	27.0	92	149
July, 09	2.5	6.3	8.6	20.0	56	139
August, 09	2.4	6.0	11.4	19.2	52	114
September, 09	2.7	6.8	11.2	20.6	50	117
October, 09	3.0	8.7	13.1	31.5	59	215
November, 09	3.1	9.2	14.0	24.7	56	100
December 09	4.6	11.2	18.0	37.9	67	261
January, 10	2.6	5.8	14.9	26.5	57	152
February, 10	3.9	8.3	15.1	28.8	60	116
March, 10	4.1	11.2	14.4	24.7	68	126

During 2008-09

Station-I

Tekka Bench

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2008	2.7	6.3	4.7	11.0	62.0	142.0
May, 2008	3.1	12.6	5.1	14.0	73.0	161.0
June, 2008	3.1	10.7	6.0	12.8	45.0	85.0
July, 2008	2.6	6.8	6.4	22.8	40.0	130.0
August, 2008	2.8	7.1	8.7	24.0	57.0	137.0
September,2008	2.9	6.8	9.6	23.3	51.5	116.0
October, 2008	2.4	5.3	7.3	23.8	47.0	161.0
November, 2008	2.2	5.8	6.8	22.4	36.7	102.0
December, 2008	2.5	8.7	6.4	18.3	41.8	125.0
January, 2009	2.5	7.3	5.2	11.9	51.4	108.0
February, 2009	2.9	7.8	6.5	16.5	56.0	107.0
March, 2009	2.8	6.8	6.2	14.6	83.0	142.0

Station-II

Bus Stand

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2008	5.0	12.9	8.9	20.1	62.0	120.0
May, 2008	3.0	10.4	8.7	21.0	73.0	247.0
June, 2008	2.9	7.3	11.7	21.9	65.0	124.0
July, 2008	3.3	11.3	12.5	30.2	60.0	124.0
August, 2008	2.8	7.1	8.7	24.0	57.0	137.0
September,2008	2.9	6.8	9.6	23.3	51.5	116.0
October, 2008	2.8	9.2	12.4	26.5	62.0	119.0
November, 2008	3.6	11.7	9.0	21.9	46.6	103.0
December, 2008	2.5	8.7	6.4	18.3	51.3	91.0
January, 2009	2.9	7.8	9.5	43.4	53.0	104.0
February, 2009	3.6	9.2	10.7	21.5	60.3	92.0
March, 2009	3.1	10.2	7.9	18.3	87.3	221.0

During 2007-08

Station-1

Tekka Bench

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2007	2.9	6.5	6.5	33.8	62.0	132.0
May, 2007	2.7	10.7	7.2	38.8	67.0	227.0
June, 2007	2.7	7.3	7.5	21.9	60.0	244.0
July, 2007	3.7	10.7	6.2	17.9	31.0	83.0
August,2007	3.4	7.8	6.8	16.4	28.0	58.0
September, 2007	4.2	21.0	5.4	14.0	32.0	78.0
October, 2007	4.2	11.2	6.9	20.6	43.0	116.0
November, 2007	4.0	20.4	12.1	77.2	53.0	124.0
December, 2007	2.4	7.3	8.9	24.7	49.0	204.0
January, 2008	3.40	11.20	6.50	17.40	34.0	63.0
February, 2008	3.20	12.1	8.0	30.2	52.0	125.0
March, 2008	3.0	7.8	6.5	16.5	61.0	139.0

Station-II

Bus Stand

Month	SO ₂ in µg/ m ³		NO _x in µg/ m ³		RSPM in µg/ m ³	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2007	3.3	9.7	8.5	39.3	67.0	140.0
May, 2007	3.3	18.0	9.5	29.7	70.0	122.0
June, 2007	2.8	15.0	8.9	19.2	65.0	209.0
July, 2007	4.2	21.4	10.8	55.8	47.0	95.0
August,2007	3.3	9.2	9.5	23.9	41.0	123.0
September, 2007	4.5	15.5	10.6	23.0	44.0	139.0
October, 2007	5.7	14.6	13.2	28.3	38.0	38.0
November, 2007	4.3	14.6	18.5	54.8	-	-
December, 2007	3.0	10.2	11.7	32.0	-	-
January, 2008	3.9	10.2	14.4	24.7	-	-
February, 2008	2.6	9.7	11.0	24.7	89.0	211.0
March, 2008	2.8	9.7	9.1	16.9	68.0	125.0

During 2006-07

Station-I

Month	SO ₂		NO _x		RSPM	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2006	6.03	23.10	11.27	31.34	58.96	143.42
May, 2006	5.57	18.05	11.12	27.51	67.84	144.23
June, 2006	4.38	12.79	9.94	25.90	67.69	163.33
July, 2006	2.46	5.92	5.77	9.74	33.19	57.52
August, 2006	3.05	7.33	6.12	10.23	25.01	43.18
September, 2006	4.05	10.36	7.54	15.27	27.24	47.07
October, 2006	7.11	20.17	12.51	36.94	29.83	56.73
November, 2006	2.52	9.37	6.36	15.96	38.65	83.12
December, 2006	2.09	5.43	4.57	9.70	34.40	73.61
January, 2007	2.13	9.18	6.20	18.89	40.50	91.62
February, 2007	2.40	5.40	5.21	11.40	28.80	75.00
March, 2007	3.00	9.70	6.00	21.80	41.00	109.00

Station-II

Month	SO ₂		NO _x		RSPM	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2006	8.69	20.14	19.01	44.09	59.91	171.71
May, 2006	11.43	21.34	24.23	61.73	89.77	154.50
June, 2006	14.03	60.36	25.68	55.91	77.60	163.03
July, 2006	4.98	8.79	9.91	17.78	48.10	83.64
August, 2006	6.63	10.93	12.25	18.57	38.31	67.11
September, 2006	7.50	14.64	13.27	28.56	42.66	116.38
October, 2006	10.92	24.66	20.94	46.43	50.29	104.07
November, 2006	5.30	16.62	17.66	47.16	79.26	183.49
December, 2006	3.12	14.82	14.11	48.63	73.03	206.22
January, 2007	5.30	16.00	18.80	39.72	67.50	146.00
February, 2007	4.00	8.90	10.00	17.30	59.00	150.00
March, 2007	4.00	8.70	9.00	19.90	53.00	113.00

During 2005-06

Station-I

Month	SO2		NOX		SPM		RSPM	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2005	1.83	3.18	5.68	9.16	35.35	69.96	11.01	19.48
May, 2005	1.95	2.90	5.03	9.17	23.26	30.09	12.40	17.04
June, 2005	1.46	3.46	4.06	10.20	36.20	66.08	7.40	13.88
July, 2005	1.85	3.29	5.90	8.54	33.56	72.01	5.90	8.54
August, 05	1.87	3.29	6.43	12.12	35.39	86.59	7.50	11.54
September, 2005	2.20	7.68	7.10	23.66	37.40	605.56	33.40	92.45
October, 2005	2.18	10.94	6.69	26.25	81.47	396.48	31.74	99.06
November, 2005	3.31	5.47	11.36	19.47	44.42	106.63	30.92	73.73
December, 2005	2.19	6.14	6.82	11.87	88.04	198.53	58.85	170.97
January, 2006	1.62	2.68	4.97	8.12	76.28	264.38	30.58	59.38
February, 2006	3.93	5.93	14.42	20.89	87.99	172.05	33.87	68.95
March, 2006	5.39	10.66	10.40	16.92	68.94	96.14	28.84	48.12

Station-II

Month	SO2		NOX		SPM		RSPM	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2005	2.74	5.13	7.57	16.25	42.58	63.55	15.61	20.99
May, 2005	2.50	3.96	7.05	10.72	30.68	62.31	17.39	26.62
June, 2005	1.71	2.73	4.15	7.18	40.75	71.82	9.83	15.31
July, 2005	2.37	4.36	7.26	10.79	36.43	94.83	8.73	22.56
August, 2005	2.99	6.64	9.35	21.56	29.26	64.52	8.30	14.31
September, 2005	3.22	6.47	10.63	24.27	11.81	33.27	33.64	88.12
October, 2005	2.91	5.08	9.49	15.00	66.12	192.12	40.12	94.93
November, 2005	2.09	4.63	6.01	9.68	94.54	397.31	59.13	145.06
December, 2005	3.36	5.47	10.49	16.35	102.63	200.87	73.31	139.62
January, 2006	1.98	3.35	5.65	7.34	93.37	269.51	44.37	131.15
February, 2006	4.44	9.48	14.28	23.88	180.27	326.04	78.45	162.09
March, 2006	8.34	13.63	15.57	23.88	130.85	291.95	59.06	138.97

During 2004-05 (Station-I)

Month	SO2		NOX		SPM		RSPM	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2004	4.53	5.80	15.34	20.00	59.74	91.92	12.28	18.81
May, 2004	4.46	5.52	16.49	17.50	53.47	79.76	10.88	29.17
June, 2004	4.27	5.47	15.39	20.00	46.91	67.59	7.65	11.33
July, 2004	3.71	5.52	9.80	15.20	46.57	53.76	7.83	10.01
August,2004	2.68	5.52	8.47	11.35	43.03	52.28	5.04	9.35
September, 2004	3.33	5.58	10.29	18.64	46.61	57.61	5.78	7.62
October, 2004	3.89	4.35	9.82	18.12	44.62	85.68	7.14	8.74
November, 2004	2.78	10.38	8.20	31.04	40.01	60.35	12.02	24.16
December, 2004	1.80	3.74	5.76	12.39	35.58	58.17	10.28	15.94
January, 2005	2.25	5.81	5.33	10.62	33.79	57.71	10.56	15.34
February, 2005	2.10	3.97	4.17	6.29	29.25	44.04	10.39	18.13
March, 2005	1.43	2.12	3.60	5.00	8.51	39.13	5.51	14.72

Station-II

Month	SO2		NOX		SPM		RSPM	
	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak	M. Avg.	Peak
April, 2004	7.09	8.59	24.19	28.22	71.13	88.64	15.59	20.49
May, 2004	7.31	8.84	24.20	28.22	65.52	92.10	14.35	23.22
June, 2004	6.87	8.71	23.09	26.25	63.03	78.39	11.81	15.23
July, 2004	6.73	10.14	21.11	24.76	60.45	70.74	9.78	12.56
August, 2004	4.93	6.47	15.50	20.20	58.98	67.44	10.68	15.39
September, 2004	4.86	6.81	17.91	22.29	67.73	83.72	11.49	13.62
October, 2004	3.89	5.41	13.36	19.68	51.25	69.45	11.13	18.31
November, 2004	3.74	11.39	12.04	33.12	60.56	154.96	22.98	48.46
December, 20 04	3.02	4.80	9.09	16.25	49.61	86.17	18.87	50.14
January, 2005	2.62	5.81	7.93	16.26	40.32	71.25	12.15	23.88
February, 2005	2.28	4.80	6.96	26.87	35.49	53.21	14.56	22.85
March, 2005	1.92	3.79	5.41	9.79	17.69	55.95	10.19	26.93

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