

# *Ambient Air Quality Data of Delhi-NCR*

*For the Month of March, 2018*



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,  
भारत सरकार

**CENTRAL POLLUTION CONTROL BOARD**

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## **Background: Ambient Air Quality of Delhi-NCR**

In compliance to the direction of Hon'ble National Green Tribunal, Principal Bench, New Delhi Dated: November 17, 2017 (in the matter of Vardhman Kaushik Vs. Union of India & Others vide **OA No. 44/2018** Earlier OA No. 21/2014), the ambient air quality data monitored by Continuous Ambient Air Quality Monitoring System (CAAQMS) in Delhi-NCR with station wise daily average values of notified parameters are complied for the period March 01, 2018 to March 31, 2018. The data available on CPCB Server has been used for the compilation and analysis of the report. It is mentioned that the monitoring activity in Delhi-NCR is shared by Central Pollution Control Board, Delhi Pollution Control Committee, India Meteorological Department, Haryana PCB, Uttar Pradesh PCB and Rajasthan PCB using CAAQMS.

## **Location of CAQOM Stations in Delhi and NCR**

1. **CPCB Stations:** Income Tax Office, DCE, Shadipur, IHBAS, NSIT Dwarka, Sirifort
2. **DPCC Stations:** MandirMarg, AnandVihar, R. K. Puram, Punjabi Bagh, Alipur, Jahangir Puri, Narela, Sonia Vihar, Patparganj, Ashok Vihar, Nehru Nagar, Sri aurobindo marg, Najafgarh, Vivek Vihar, National Stadium, JLN Stadium, Dr. Karni Singh Shooting Range, Dwarka, Mundka, Rohini, Wazirpur, Okhla, Bawana
3. **IMD Stations:** Burari Crossing, CRRM Mathura Road, North Campus, Pusa, Aya Nagar, Lodhi Road, IGI Airport Terminal-3,
4. **NCR Stations:** Noida Sector-62, Noida Sector-125, Ghaziabad, Gurugram, Faridabad, Alwar, Bhiwadi

## Parameter-wise data tables

### 1. Particulate Matter (in $\mu\text{g}/\text{m}^3$ ):

#### i) $\text{PM}_{10}$

#### a) Delhi

Date/ Stations	ITO	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	222	226	350	272	281	253	318
2-Mar-18	151	308	348	283	304	227	303
3-Mar-18	176	123	275	205	233	204	281
4-Mar-18	120	112	240	173	212	167	207
5-Mar-18	104	258	245	176	178	137	187
6-Mar-18	116	226	250	168	162	171	211
7-Mar-18	151	118	284	205	198	184	227
8-Mar-18	232	229	480	325	340	275	410
9-Mar-18	137	NA	250	261	306	236	333
10-Mar-18	119	91	254	186	180	155	219
11-Mar-18	164	NA	289	199	199	174	220
12-Mar-18	157	149	309	235	246	173	283
13-Mar-18	216	281	368	321	307	211	357
14-Mar-18	257	251	454	434	483	270	409
15-Mar-18	182	342	411	388	400	275	425
16-Mar-18	165	102	347	285	282	222	336
17-Mar-18	128	143	277	205	208	167	234
18-Mar-18	151	210	312	246	246	NA	255
19-Mar-18	141	215	289	265	229	187	263
20-Mar-18	285	333	375	353	343	231	354
21-Mar-18	207	174	288	261	312	238	346
22-Mar-18	164	202	215	213	197	191	212
23-Mar-18	130	118	287	174	177	166	182
24-Mar-18	152	127	280	235	207	184	240
25-Mar-18	161	145	283	205	210	185	257
26-Mar-18	188	153	325	240	240	204	276
27-Mar-18	219	NA	394	336	354	232	350
28-Mar-18	160	240	400	340	375	229	355
29-Mar-18	178	184	316	429	299	199	268
30-Mar-18	204	156	338	315	290	241	329
31-Mar-18	166	211	350	354	378	267	385
Maximum	285	342	480	434	483	275	425
Minimum	104	91	215	168	162	137	182
Average	171	194	319	267	270	209	291

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>10</sub> (Continued)

Date/ Stations	Nehru Nagar	Sri Aurobindo Marg <sup>2</sup>	Najafgarh	Vivek Vihar	Pusa	National Stadium
1-Mar-18	312	215	216	269	257	272
2-Mar-18	283	218	182	304	230	267
3-Mar-18	239	191	168	441	241	253
4-Mar-18	207	166	157	232	206	224
5-Mar-18	188	144	163	166	203	178
6-Mar-18	184	148	172	185	225	179
7-Mar-18	209	180	160	192	218	231
8-Mar-18	298	197	193	413	248	262
9-Mar-18	293	213	238	280	314	286
10-Mar-18	183	150	184	185	217	173
11-Mar-18	221	205	191	190	255	237
12-Mar-18	241	174	249	237	279	241
13-Mar-18	288	216	217	263	302	270
14-Mar-18	379	294	305	369	340	371
15-Mar-18	291	281	241	321	327	318
16-Mar-18	218	221	245	287	279	284
17-Mar-18	141	NA	196	176	245	206
18-Mar-18	139	NA	182	182	215	223
19-Mar-18	144	NA	225	181	217	219
20-Mar-18	179	NA	243	256	254	285
21-Mar-18	204	NA	259	268	272	327
22-Mar-18	117	NA	213	174	192	179
23-Mar-18	104	178	221	120	185	157
24-Mar-18	114	200	235	163	233	190
25-Mar-18	118	194	222	194	255	220
26-Mar-18	121	211	244	219	251	206
27-Mar-18	157	215	206	325	257	249
28-Mar-18	187	215	293	325	276	279
29-Mar-18	123	198	252	248	281	226
30-Mar-18	161	225	240	258	268	279
31-Mar-18	165	263	280	327	274	351
Maximum	379	294	305	441	340	371
Minimum	104	144	157	120	185	157
Average	200	205	219	250	252	246

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>10</sub> (Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	248	225	440	455	332	318
2-Mar-18	257	252	361	312	337	316
3-Mar-18	210	220	333	312	282	262
4-Mar-18	175	186	250	257	199	221
5-Mar-18	162	165	262	361	198	208
6-Mar-18	169	158	272	342	204	205
7-Mar-18	191	188	314	412	252	212
8-Mar-18	258	207	420	475	434	414
9-Mar-18	250	259	372	519	350	301
10-Mar-18	174	184	228	420	205	220
11-Mar-18	215	229	300	413	258	229
12-Mar-18	250	266	365	450	290	312
13-Mar-18	270	243	461	510	395	404
14-Mar-18	412	323	392	583	471	453
15-Mar-18	361	398	353	542	432	454
16-Mar-18	254	168	333	533	320	402
17-Mar-18	213	173	283	547	289	243
18-Mar-18	220	170	236	386	320	263
19-Mar-18	226	137	267	433	288	273
20-Mar-18	285	167	374	564	409	354
21-Mar-18	305	191	346	473	295	312
22-Mar-18	180	124	271	392	218	202
23-Mar-18	160	109	261	380	220	182
24-Mar-18	190	128	272	364	250	210
25-Mar-18	214	126	249	372	241	207
26-Mar-18	210	136	310	441	278	216
27-Mar-18	394	152	381	626	468	351
28-Mar-18	282	126	345	523	395	373
29-Mar-18	241	145	280	481	319	240
30-Mar-18	271	151	364	515	338	300
31-Mar-18	332	171	367	433	391	477
Maximum	412	398	461	626	471	477
Minimum	160	109	228	257	198	182
Average	244	189	324	446	312	295

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>10</sub> (Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	266	292	436	217	271	279
2-Mar-18	259	309	356	280	242	245
3-Mar-18	218	239	255	185	239	210
4-Mar-18	190	189	255	156	170	186
5-Mar-18	182	197	229	125	154	183
6-Mar-18	194	213	253	152	165	182
7-Mar-18	209	250	288	153	188	208
8-Mar-18	290	370	513	244	303	263
9-Mar-18	301	259	391	247	266	247
10-Mar-18	172	178	223	154	167	160
11-Mar-18	213	215	286	170	204	202
12-Mar-18	252	217	300	176	211	229
13-Mar-18	294	NA	370	189	256	279
14-Mar-18	380	748	583	269	297	325
15-Mar-18	337	449	427	264	264	345
16-Mar-18	285	319	413	212	230	232
17-Mar-18	210	304	279	167	172	197
18-Mar-18	196	295	NA	171	185	176
19-Mar-18	214	317	NA	138	185	209
20-Mar-18	274	484	503	219	283	259
21-Mar-18	325	298	346	260	260	249
22-Mar-18	198	224	252	175	149	152
23-Mar-18	185	212	223	127	137	148
24-Mar-18	205	252	249	156	163	179
25-Mar-18	221	238	291	187	182	183
26-Mar-18	229	279	288	172	175	227
27-Mar-18	295	471	616	219	278	259
28-Mar-18	336	418	542	224	262	223
29-Mar-18	254	328	371	191	219	212
30-Mar-18	268	380	389	208	246	252
31-Mar-18	289	422	334	265	274	268
Maximum	380	748	616	280	303	345
Minimum	172	178	223	125	137	148
Average	250	312	354	196	219	225

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>10</sub> (Continued)

Date/Stations	Burari crossing	North Campus	Pusa	Aya Nagar	CRR I Mathura Road	Lodhi Road	IGI airport T3
1-Mar-18	181	229	150	169	244	202	168
2-Mar-18	187	227	144	133	245	193	131
3-Mar-18	145	186	132	133	183	166	127
4-Mar-18	135	161	107	115	188	144	102
5-Mar-18	119	137	89	106	154	123	99
6-Mar-18	118	137	109	91	160	108	120
7-Mar-18	133	135	101	106	191	140	190
8-Mar-18	202	265	176	149	304	201	185
9-Mar-18	193	253	176	170	322	206	103
10-Mar-18	123	142	99	104	170	121	118
11-Mar-18	136	148	121	106	195	142	141
12-Mar-18	136	186	133	139	231	145	155
13-Mar-18	173	264	176	162	261	189	177
14-Mar-18	245	351	197	161	317	267	178
15-Mar-18	217	371	193	165	249	229	160
16-Mar-18	164	277	152	168	259	230	121
17-Mar-18	141	188	120	111	188	140	NA
18-Mar-18	139	215	120	111	204	153	87
19-Mar-18	140	221	113	105	201	NA	159
20-Mar-18	189	284	143	149	266	282	174
21-Mar-18	213	299	179	182	251	236	115
22-Mar-18	NA	197	117	116	155	145	96
23-Mar-18	NA	181	97	94	170	126	116
24-Mar-18	NA	213	110	130	185	138	107
25-Mar-18	NA	202	141	118	206	144	131
26-Mar-18	NA	217	121	121	205	144	167
27-Mar-18	NA	291	152	163	187	185	204
28-Mar-18	NA	314	163	175	110	219	137
29-Mar-18	NA	233	136	150	185	158	169
30-Mar-18	NA	263	148	207	222	184	187
31-Mar-18	NA	319	180	240	237	248	NA
Maximum	245	371	197	240	322	282	204
Minimum	118	135	89	91	110	108	87
Average	163	229	139	140	214	177	142

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations



## b) NCR

Date/Stations	Bhiwadi ,RIICO Ind. Area III	Ghaziabad	Noida , Sec-62	Noida , Sec-125	Alwar,Moti Doongri
1-Mar-18	342	307	121	267	146
2-Mar-18	224	300	215	284	NA
3-Mar-18	212	225	87	217	141
4-Mar-18	211	239	105	198	132
5-Mar-18	184	184	84	173	107
6-Mar-18	257	177	78	192	88
7-Mar-18	230	199	87	216	107
8-Mar-18	296	480	172	320	111
9-Mar-18	275	343	148	327	127
10-Mar-18	286	207	84	225	82
11-Mar-18	242	220	93	210	86
12-Mar-18	327	276	115	256	89
13-Mar-18	341	339	134	298	101
14-Mar-18	285	425	155	337	141
15-Mar-18	342	395	149	307	71
16-Mar-18	423	374	143	287	81
17-Mar-18	283	214	74	198	77
18-Mar-18	298	229	158	218	54
19-Mar-18	330	263	87	235	448
20-Mar-18	386	364	123	320	NA
21-Mar-18	328	337	156	302	NA
22-Mar-18	287	223	244	186	NA
23-Mar-18	NA	193	186	173	NA
24-Mar-18	323	229	235	216	NA
25-Mar-18	316	211	243	NA	NA
26-Mar-18	NA	245	262	260	NA
27-Mar-18	259	348	366	310	NA
28-Mar-18	374	402	362	456	NA
29-Mar-18	323	257	226	251	95
30-Mar-18	NA	288	277	286	104
31-Mar-18	455	333	262	NA	97
Maximum	455	480	366	456	448
Minimum	184	177	74	173	54
Average	301	285	169	260	118

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## ii) PM<sub>2.5</sub>

### a) Delhi

Date/Stations	CPCB					
	IHBAS	ITO	DMS	DTU	Sirfort	NSIT
1-Mar-18	130	144	118	173	120	142
2-Mar-18	101	92	97	129	104	113
3-Mar-18	78	98	106	109	90	91
4-Mar-18	60	60	67	85	61	78
5-Mar-18	60	56	48	99	73	73
6-Mar-18	69	72	53	119	76	80
7-Mar-18	78	88	106	143	86	95
8-Mar-18	125	143	169	189	100	131
9-Mar-18	78	83	95	98	90	104
10-Mar-18	57	64	49	97	66	77
11-Mar-18	73	97	88	132	93	102
12-Mar-18	70	93	84	157	94	92
13-Mar-18	126	106	139	146	99	91
14-Mar-18	130	101	139	149	92	120
15-Mar-18	105	78	116	128	66	119
16-Mar-18	99	89	102	135	88	107
17-Mar-18	61	69	71	142	80	92
18-Mar-18	66	82	78	113	67	80
19-Mar-18	66	74	93	114	66	102
20-Mar-18	146	145	157	153	88	148
21-Mar-18	92	113	100	91	94	133
22-Mar-18	67	78	157	90	69	102
23-Mar-18	58	59	46	82	78	93
24-Mar-18	93	68	57	96	80	111
25-Mar-18	101	83	59	106	83	111
26-Mar-18	104	88	112	149	103	128
27-Mar-18	120	97	152	180	96	128
28-Mar-18	112	80	90	124	NA	123
29-Mar-18	96	92	76	133	NA	123
30-Mar-18	118	99	82	66	101	119
31-Mar-18	89	68	78	34	60	112
<b>Maximum</b>	<b>146</b>	<b>145</b>	<b>169</b>	<b>189</b>	<b>120</b>	<b>148</b>
<b>Minimum</b>	<b>57</b>	<b>56</b>	<b>46</b>	<b>34</b>	<b>60</b>	<b>73</b>
<b>Average</b>	<b>91</b>	<b>89</b>	<b>96</b>	<b>121</b>	<b>85</b>	<b>107</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>2.5</sub> (Continued)

Date/ Stations	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	105	187	155	92	152	158
2-Mar-18	204	234	201	183	154	178
3-Mar-18	43	145	108	108	88	127
4-Mar-18	71	118	83	88	69	89
5-Mar-18	180	122	99	79	58	89
6-Mar-18	173	121	98	71	85	106
7-Mar-18	50	147	122	89	92	108
8-Mar-18	128	249	178	158	161	199
9-Mar-18	NA	135	122	148	132	164
10-Mar-18	32	115	89	77	63	92
11-Mar-18	NA	153	110	87	76	106
12-Mar-18	64	147	118	107	80	134
13-Mar-18	147	174	163	129	98	150
14-Mar-18	52	176	187	159	111	122
15-Mar-18	92	175	149	127	102	134
16-Mar-18	37	161	114	116	121	130
17-Mar-18	80	120	92	75	72	89
18-Mar-18	127	161	131	105	107	122
19-Mar-18	81	122	126	83	69	91
20-Mar-18	226	167	164	138	116	139
21-Mar-18	98	141	115	158	129	149
22-Mar-18	100	100	105	92	68	87
23-Mar-18	56	133	78	63	55	74
24-Mar-18	40	130	113	79	69	99
25-Mar-18	55	131	103	82	71	101
26-Mar-18	64	143	111	97	81	109
27-Mar-18	NA	191	155	142	111	136
28-Mar-18	160	156	140	135	111	126
29-Mar-18	113	141	101	104	88	107
30-Mar-18	44	150	148	97	100	120
31-Mar-18	76	121	131	117	98	120
Maximum	226	249	201	183	161	199
Minimum	32	100	78	63	55	74
Average	96	150	126	109	96	121

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>2.5</sub> (Continued)

Date/ Stations	Nehru Nagar	Sri Aurobindo Marg <sup>2</sup>	Najafgarh	Vivek Vihar	Pusa	National Stadium
1-Mar-18	125	109	118	126	118	109
2-Mar-18	112	122	102	199	125	112
3-Mar-18	73	97	87	340	107	92
4-Mar-18	70	142	85	115	89	77
5-Mar-18	85	29	88	78	89	62
6-Mar-18	72	59	101	83	102	65
7-Mar-18	73	83	81	106	95	92
8-Mar-18	113	80	90	208	115	113
9-Mar-18	112	90	105	140	135	121
10-Mar-18	67	54	85	74	84	69
11-Mar-18	85	72	85	90	111	91
12-Mar-18	90	83	110	112	121	102
13-Mar-18	104	80	89	120	114	102
14-Mar-18	124	76	77	146	96	110
15-Mar-18	104	79	64	118	97	102
16-Mar-18	96	86	95	162	110	110
17-Mar-18	69	NA	81	84	98	77
18-Mar-18	83	NA	85	104	97	93
19-Mar-18	81	NA	105	94	84	84
20-Mar-18	104	NA	95	133	96	112
21-Mar-18	116	NA	124	182	122	141
22-Mar-18	67	NA	103	117	78	78
23-Mar-18	63	47	96	63	74	63
24-Mar-18	84	83	112	84	95	70
25-Mar-18	94	83	99	94	106	75
26-Mar-18	79	95	103	94	99	69
27-Mar-18	97	81	69	132	85	87
28-Mar-18	97	73	87	120	88	90
29-Mar-18	75	69	102	100	106	94
30-Mar-18	80	76	76	91	87	103
31-Mar-18	97	75	77	112	81	114
Maximum	125	142	124	340	135	141
Minimum	63	29	64	63	74	62
Average	90	81	93	123	100	93

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>2.5</sub> (Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	124	126	203	195	129	133
2-Mar-18	138	137	153	167	135	138
3-Mar-18	115	116	144	156	107	109
4-Mar-18	82	75	93	104	76	86
5-Mar-18	86	78	113	148	71	79
6-Mar-18	93	78	79	132	72	85
7-Mar-18	124	100	145	138	94	92
8-Mar-18	130	108	151	182	173	173
9-Mar-18	135	132	160	170	133	116
10-Mar-18	78	69	101	170	72	92
11-Mar-18	114	95	132	193	92	131
12-Mar-18	132	106	151	181	105	138
13-Mar-18	123	99	124	174	135	186
14-Mar-18	126	106	101	154	125	155
15-Mar-18	106	171	83	131	159	174
16-Mar-18	106	51	148	173	120	120
17-Mar-18	95	78	119	153	100	90
18-Mar-18	NA	91	108	164	120	106
19-Mar-18	31	59	91	159	101	103
20-Mar-18	96	75	133	190	139	151
21-Mar-18	125	110	139	179	81	130
22-Mar-18	74	86	124	139	61	81
23-Mar-18	61	60	97	126	59	79
24-Mar-18	73	77	118	119	64	98
25-Mar-18	97	87	107	126	61	109
26-Mar-18	87	98	142	134	71	99
27-Mar-18	191	93	121	197	129	161
28-Mar-18	92	66	98	149	107	165
29-Mar-18	90	80	78	168	83	117
30-Mar-18	93	79	120	175	89	129
31-Mar-18	101	80	93	134	99	150
Maximum	191	171	203	197	173	186
Minimum	31	51	78	104	59	79
Average	104	92	122	157	102	122

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>2.5</sub> (Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	116	150	147	112	126	133
2-Mar-18	138	192	172	126	138	131
3-Mar-18	98	117	112	97	115	109
4-Mar-18	68	97	94	68	78	76
5-Mar-18	65	106	72	68	83	90
6-Mar-18	75	120	78	75	87	78
7-Mar-18	87	136	98	79	98	112
8-Mar-18	120	201	229	122	145	130
9-Mar-18	116	137	148	138	126	126
10-Mar-18	62	103	68	66	76	73
11-Mar-18	95	127	94	86	107	105
12-Mar-18	99	145	109	89	108	126
13-Mar-18	109	189	132	88	116	121
14-Mar-18	121	168	156	81	88	106
15-Mar-18	92	158	140	77	81	116
16-Mar-18	101	141	150	89	109	95
17-Mar-18	79	134	96	70	79	94
18-Mar-18	85	160	NA	96	94	89
19-Mar-18	70	160	NA	60	81	95
20-Mar-18	91	216	170	94	129	106
21-Mar-18	133	143	163	117	114	118
22-Mar-18	80	119	108	72	71	71
23-Mar-18	58	102	67	59	62	67
24-Mar-18	76	121	78	63	78	87
25-Mar-18	93	110	88	84	85	91
26-Mar-18	91	133	91	72	83	116
27-Mar-18	101	199	167	88	122	118
28-Mar-18	106	165	161	85	96	96
29-Mar-18	89	148	116	78	92	92
30-Mar-18	86	166	116	83	100	115
31-Mar-18	89	139	122	85	90	89
Maximum	138	216	229	138	145	133
Minimum	58	97	67	59	62	67
Average	93	145	122	86	99	102

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>2.5</sub> (Continued)

Date/Stations	Aya Nagar	Burari crossing	CRRI Mathura Road	Lodhi Road	North Campus	Pusa	IGI Airport Terminal-3
1-Mar-18	101	114	120	79	130	62	90
2-Mar-18	80	117	149	84	168	71	92
3-Mar-18	80	91	106	65	114	55	70
4-Mar-18	69	84	96	54	101	46	56
5-Mar-18	63	75	86	47	87	37	50
6-Mar-18	55	74	93	45	76	39	52
7-Mar-18	64	83	103	54	81	41	64
8-Mar-18	90	126	159	87	160	77	62
9-Mar-18	102	121	166	94	187	81	102
10-Mar-18	62	77	83	49	102	39	55
11-Mar-18	64	85	103	56	158	49	61
12-Mar-18	62	85	119	52	104	56	78
13-Mar-18	NA	108	150	71	159	61	76
14-Mar-18	NA	153	154	77	154	63	62
15-Mar-18	NA	135	125	34	84	60	64
16-Mar-18	31	103	130	71	74	58	72
17-Mar-18	66	88	114	79	41	45	60
18-Mar-18	67	87	110	62	70	48	57
19-Mar-18	63	87	102	NA	56	43	64
20-Mar-18	89	118	122	86	86	62	84
21-Mar-18	109	120	161	93	96	71	92
22-Mar-18	58	86	92	58	111	46	66
23-Mar-18	NA	85	78	45	43	37	48
24-Mar-18	NA	89	91	49	45	42	57
25-Mar-18	NA	91	118	54	47	48	56
26-Mar-18	NA	89	116	54	47	48	67
27-Mar-18	71	118	135	64	121	57	79
28-Mar-18	118	128	142	75	167	64	79
29-Mar-18	50	101	102	50	235	50	51
30-Mar-18	42	95	132	60	175	53	130
31-Mar-18	62	123	113	68	67	58	49
Maximum	118	153	166	94	235	81	130
Minimum	31	74	78	34	41	37	48
Average	72	101	118	64	108	54	69

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

PM<sub>2.5</sub> (Continued)

b) NCR

Date/Stations	Alwar,Moti Doongri	Bhiwadi ,RIICO Ind. Area III	Noida , Sec-62	Noida , Sec-125	Ghaziabad	Gurgaon,Vikas Sadan	Faridabad, Sec-16A
1-Mar-18	76	172	59	119	203	89	194
2-Mar-18	NA	NA	88	157	460	95	130
3-Mar-18	40	98	53	100	131	90	101
4-Mar-18	53	101	63	78	133	77	75
5-Mar-18	33	96	50	75	159	74	76
6-Mar-18	39	115	47	80	134	90	63
7-Mar-18	45	117	52	94	109	79	86
8-Mar-18	57	150	103	134	249	145	113
9-Mar-18	84	140	89	130	153	146	121
10-Mar-18	33	NA	50	72	76	101	63
11-Mar-18	36	NA	56	93	84	84	77
12-Mar-18	30	161	69	104	110	175	91
13-Mar-18	42	183	80	110	123	176	117
14-Mar-18	65	126	93	115	130	126	147
15-Mar-18	38	166	89	73	119	80	106
16-Mar-18	42	191	100	115	159	84	95
17-Mar-18	31	129	64	73	68	75	67
18-Mar-18	NA	226	46	98	91	60	71
19-Mar-18	48	189	54	77	93	85	158
20-Mar-18	NA	210	73	104	136	99	93
21-Mar-18	NA	141	78	127	152	62	106
22-Mar-18	NA	144	57	77	123	48	79
23-Mar-18	NA	172	30	64	66	54	54
24-Mar-18	NA	151	34	83	76	58	76
25-Mar-18	NA	128	35	NA	74	78	73
26-Mar-18	NA	176	36	83	84	85	84
27-Mar-18	NA	149	50	85	127	181	92
28-Mar-18	NA	187	63	150	133	197	120
29-Mar-18	111	135	46	91	88	99	76
30-Mar-18	111	188	61	88	91	163	76
31-Mar-18	NA	234	70	NA	103	118	77
Maximum	111	234	103	157	460	197	194
Minimum	30	96	30	64	66	48	54
Average	53	156	63	98	130	102	95

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations



## 2.SO<sub>2</sub> (in µg/m<sup>3</sup>)

### a) Delhi

Date/Stations	CPCB		
	IHBAS	DMS	NSIT
1-Mar-18	14	15	4
2-Mar-18	17	11	6
3-Mar-18	16	13	8
4-Mar-18	10	13	7
5-Mar-18	13	14	6
6-Mar-18	12	12	6
7-Mar-18	17	17	6
8-Mar-18	15	21	10
9-Mar-18	12	13	7
10-Mar-18	10	10	6
11-Mar-18	15	15	7
12-Mar-18	17	13	8
13-Mar-18	17	20	7
14-Mar-18	16	20	8
15-Mar-18	12	13	7
16-Mar-18	11	15	7
17-Mar-18	10	15	6
18-Mar-18	11	16	6
19-Mar-18	14	15	7
20-Mar-18	29	26	7
21-Mar-18	15	19	6
22-Mar-18	13	26	5
23-Mar-18	14	9	3
24-Mar-18	14	10	3
25-Mar-18	14	8	4
26-Mar-18	17	12	5
27-Mar-18	23	18	5
28-Mar-18	18	13	7
29-Mar-18	11	13	5
30-Mar-18	16	14	5
31-Mar-18	13	13	6
Maximum	29	26	10
Minimum	10	8	3
Average	15	15	6

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

SO<sub>2</sub> (Continued)

Date/ Stations	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	NA	3	31	15	17	29
2-Mar-18	NA	3	35	16	16	23
3-Mar-18	NA	3	21	19	15	26
4-Mar-18	NA	5	27	17	15	29
5-Mar-18	NA	15	31	17	15	32
6-Mar-18	NA	13	26	15	11	32
7-Mar-18	NA	19	31	16	11	33
8-Mar-18	NA	28	47	22	22	32
9-Mar-18	NA	28	35	19	23	50
10-Mar-18	NA	22	30	17	10	36
11-Mar-18	NA	20	32	17	11	41
12-Mar-18	NA	24	39	20	13	39
13-Mar-18	NA	32	41	25	15	37
14-Mar-18	NA	25	46	27	11	23
15-Mar-18	NA	24	40	23	10	29
16-Mar-18	NA	26	35	20	20	33
17-Mar-18	NA	23	33	16	9	32
18-Mar-18	NA	29	40	21	15	38
19-Mar-18	NA	26	45	19	12	26
20-Mar-18	NA	34	54	30	20	28
21-Mar-18	NA	28	38	27	29	35
22-Mar-18	NA	19	34	19	14	19
23-Mar-18	NA	21	30	14	9	30
24-Mar-18	NA	23	42	19	11	39
25-Mar-18	NA	28	32	19	11	37
26-Mar-18	NA	33	42	20	11	46
27-Mar-18	NA	54	55	27	13	26
28-Mar-18	NA	41	39	23	15	28
29-Mar-18	NA	34	37	22	12	41
30-Mar-18	NA	39	47	19	13	31
31-Mar-18	NA	34	39	27	20	21
Maximum		54	55	30	29	50
Minimum		3	21	14	9	19
Average		24	37	20	15	32

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

SO<sub>2</sub> (Continued)

Date/ Stations	Nehru Nagar	Sri aurobindo marg	Najafgar h	Vivek Vihar	Pusa	National Stadium
1-Mar-18	28	25	18	26	14	21
2-Mar-18	23	16	18	22	13	21
3-Mar-18	28	21	15	26	16	23
4-Mar-18	24	17	15	26	19	21
5-Mar-18	23	18	17	24	17	20
6-Mar-18	23	31	27	19	19	20
7-Mar-18	24	20	15	21	16	21
8-Mar-18	29	17	18	32	17	25
9-Mar-18	35	24	22	29	22	27
10-Mar-18	24	15	19	26	19	23
11-Mar-18	26	17	19	27	19	23
12-Mar-18	28	21	30	28	19	23
13-Mar-18	27	18	22	29	19	24
14-Mar-18	25	15	20	38	15	21
15-Mar-18	25	13	14	35	19	23
16-Mar-18	29	26	23	34	29	31
17-Mar-18	25	NA	22	24	21	24
18-Mar-18	28	NA	22	29	20	27
19-Mar-18	25	NA	26	30	17	25
20-Mar-18	30	NA	24	30	25	29
21-Mar-18	39	NA	33	45	33	35
22-Mar-18	30	NA	32	30	23	29
23-Mar-18	19	11	26	23	18	21
24-Mar-18	19	18	27	28	22	21
25-Mar-18	27	19	25	23	23	24
26-Mar-18	24	31	36	24	20	22
27-Mar-18	27	24	14	28	21	25
28-Mar-18	22	16	31	29	30	23
29-Mar-18	27	17	41	24	35	25
30-Mar-18	26	18	19	26	24	25
31-Mar-18	26	14	16	33	24	25
Maximum	39	31	41	45	35	35
Minimum	19	11	14	19	13	20
Average	26	19	23	28	21	24

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

SO<sub>2</sub> (Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	26	39	30	26	33	42
2-Mar-18	23	34	18	20	29	35
3-Mar-18	27	35	21	24	32	42
4-Mar-18	23	31	19	20	29	44
5-Mar-18	22	25	20	30	28	46
6-Mar-18	22	28	19	30	26	48
7-Mar-18	24	28	24	22	28	49
8-Mar-18	29	33	27	24	40	67
9-Mar-18	28	45	29	23	33	68
10-Mar-18	20	28	20	32	28	63
11-Mar-18	25	31	19	28	29	45
12-Mar-18	28	33	28	31	33	61
13-Mar-18	27	38	23	29	40	102
14-Mar-18	24	47	25	23	31	81
15-Mar-18	24	31	22	24	32	65
16-Mar-18	31	35	27	27	38	48
17-Mar-18	27	31	31	35	31	44
18-Mar-18	30	32	21	43	38	68
19-Mar-18	24	27	20	33	29	68
20-Mar-18	32	29	25	43	42	88
21-Mar-18	36	39	32	18	46	65
22-Mar-18	29	34	22	12	27	34
23-Mar-18	21	27	21	20	26	29
24-Mar-18	20	30	23	13	29	36
25-Mar-18	29	33	22	16	29	45
26-Mar-18	25	36	27	19	37	37
27-Mar-18	54	36	21	41	48	113
28-Mar-18	20	34	20	21	29	79
29-Mar-18	29	31	18	26	35	55
30-Mar-18	27	30	23	32	31	101
31-Mar-18	28	29	20	14	33	66
Maximum	54	47	32	43	48	113
Minimum	20	25	18	12	26	29
Average	27	33	23	26	33	59

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

SO<sub>2</sub> (Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	16	26	20	15	23	38
2-Mar-18	12	29	22	16	23	19
3-Mar-18	16	22	25	14	30	34
4-Mar-18	13	33	26	13	32	22
5-Mar-18	11	22	23	10	28	24
6-Mar-18	9	22	19	11	31	28
7-Mar-18	10	23	20	19	27	35
8-Mar-18	15	40	41	35	38	31
9-Mar-18	68	34	31	41	32	39
10-Mar-18	8	26	21	27	30	26
11-Mar-18	12	28	25	23	29	39
12-Mar-18	14	37	24	25	35	51
13-Mar-18	18	46	64	26	40	42
14-Mar-18	20	45	29	29	30	31
15-Mar-18	14	38	27	21	28	34
16-Mar-18	17	33	37	28	36	44
17-Mar-18	16	35	25	18	22	61
18-Mar-18	18	40	NA	21	32	58
19-Mar-18	14	46	NA	21	26	38
20-Mar-18	16	30	70	26	41	47
21-Mar-18	22	35	48	30	43	55
22-Mar-18	18	34	31	18	26	45
23-Mar-18	12	30	20	13	22	33
24-Mar-18	13	28	23	13	25	40
25-Mar-18	13	35	21	14	26	52
26-Mar-18	15	29	23	14	27	66
27-Mar-18	18	54	35	19	32	55
28-Mar-18	14	38	25	29	27	32
29-Mar-18	16	41	23	18	30	53
30-Mar-18	14	44	25	18	28	39
31-Mar-18	14	45	29	19	30	27
Maximum	68	54	70	41	43	66
Minimum	8	22	19	10	22	19
Average	16	34	29	21	30	40

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

SO<sub>2</sub> (Continued)

b) NCR

Date/Stations	Alwar,Moti Doongri	Bhiwadi ,RIICO Ind. Area III	Noida , Sec-125	Ghaziabad	Gurgaon,Vikas Sadan	Faridabad, Sec-16A
1-Mar-18	NA	65	38	41	11	23
2-Mar-18	NA	24	33	31	10	14
3-Mar-18	4	NA	31	44	9	15
4-Mar-18	23	NA	31	39	10	14
5-Mar-18	NA	45	23	36	9	11
6-Mar-18	8	71	23	27	11	9
7-Mar-18	16	NA	23	29	12	10
8-Mar-18	12	46	34	38	13	17
9-Mar-18	10	71	38	54	12	21
10-Mar-18	19	95	24	39	10	15
11-Mar-18	NA	69	25	50	12	15
12-Mar-18	NA	78	29	45	12	16
13-Mar-18	9	NA	33	61	14	21
14-Mar-18	8	58	34	33	13	25
15-Mar-18	5	77	30	36	11	15
16-Mar-18	8	93	38	68	14	19
17-Mar-18	7	72	25	34	15	15
18-Mar-18	6	NA	29	43	12	14
19-Mar-18	15	77	27	51	14	15
20-Mar-18	NA	55	31	46	16	20
21-Mar-18	NA	79	45	49	16	21
22-Mar-18	NA	75	30	39	10	15
23-Mar-18	NA	82	21	47	9	11
24-Mar-18	NA	73	24	40	14	7
25-Mar-18	NA	65	NA	27	14	10
26-Mar-18	NA	NA	25	42	10	15
27-Mar-18	NA	60	23	47	17	17
28-Mar-18	NA	82	41	47	15	22
29-Mar-18	10	NA	28	48	23	15
30-Mar-18	5	85	30	40	20	14
31-Mar-18	15	63	NA	34	15	11
Maximum	23	95	45	68	23	25
Minimum	4	24	21	27	9	7
Average	11	69	30	42	13	15

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

### 3. NO<sub>2</sub> (in µg/m<sup>3</sup>)

#### a) Delhi

Date/Stations	CPCB					
	DMS	DTU	Sirifort	NSIT	ITO	IHBAS
1-Mar-18	25	40	55	35	79	46
2-Mar-18	23	39	49	32	72	37
3-Mar-18	23	38	47	29	67	35
4-Mar-18	24	39	47	32	63	30
5-Mar-18	23	38	48	33	68	35
6-Mar-18	24	37	46	31	70	42
7-Mar-18	25	37	63	35	61	64
8-Mar-18	31	41	83	46	93	77
9-Mar-18	26	40	72	35	83	50
10-Mar-18	24	39	44	32	66	41
11-Mar-18	26	40	53	36	77	48
12-Mar-18	26	39	60	38	78	45
13-Mar-18	43	35	73	41	69	64
14-Mar-18	43	32	68	41	84	57
15-Mar-18	34	15	50	33	64	30
16-Mar-18	33	10	51	33	61	27
17-Mar-18	34	7	48	34	69	26
18-Mar-18	36	7	43	29	68	26
19-Mar-18	40	6	54	34	75	48
20-Mar-18	46	6	59	42	92	85
21-Mar-18	33	6	34	31	64	38
22-Mar-18	46	6	32	26	63	38
23-Mar-18	28	4	34	29	59	36
24-Mar-18	31	3	28	29	56	41
25-Mar-18	39	10	26	29	59	40
26-Mar-18	71	30	37	34	70	57
27-Mar-18	87	23	69	34	62	75
28-Mar-18	66	23	NA	33	71	69
29-Mar-18	60	24	NA	33	72	50
30-Mar-18	67	20	NA	34	77	60
31-Mar-18	49	18	NA	27	83	42
<b>Maximum</b>	<b>87</b>	<b>41</b>	<b>83</b>	<b>46</b>	<b>93</b>	<b>85</b>
<b>Minimum</b>	<b>23</b>	<b>3</b>	<b>26</b>	<b>26</b>	<b>56</b>	<b>26</b>
<b>Average</b>	<b>38</b>	<b>24</b>	<b>51</b>	<b>34</b>	<b>71</b>	<b>47</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NO<sub>2</sub>(Continued)

Date/ Stations	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	NA	48	39	37	43	75
2-Mar-18	NA	47	34	37	41	58
3-Mar-18	NA	47	28	31	29	51
4-Mar-18	NA	48	29	28	24	52
5-Mar-18	NA	46	30	31	28	64
6-Mar-18	NA	48	29	29	33	58
7-Mar-18	NA	57	39	39	41	73
8-Mar-18	NA	79	60	53	69	82
9-Mar-18	NA	86	49	38	62	73
10-Mar-18	NA	50	27	28	45	65
11-Mar-18	NA	53	31	39	55	74
12-Mar-18	NA	56	36	42	56	70
13-Mar-18	NA	67	51	57	66	78
14-Mar-18	NA	63	60	55	64	71
15-Mar-18	NA	49	45	38	45	62
16-Mar-18	NA	47	33	30	46	48
17-Mar-18	NA	46	23	29	45	47
18-Mar-18	NA	55	26	40	51	51
19-Mar-18	NA	65	30	45	55	51
20-Mar-18	NA	78	41	60	70	54
21-Mar-18	NA	48	28	27	45	34
22-Mar-18	NA	39	19	21	34	30
23-Mar-18	NA	42	18	24	42	45
24-Mar-18	NA	44	17	21	50	48
25-Mar-18	NA	45	16	23	47	43
26-Mar-18	NA	54	19	31	53	49
27-Mar-18	NA	67	35	51	62	42
28-Mar-18	NA	73	33	53	70	46
29-Mar-18	NA	53	17	36	53	43
30-Mar-18	NA	65	25	41	63	38
31-Mar-18	NA	54	31	36	43	28
Maximum		86	60	60	70	82
Minimum		39	16	21	24	28
Average		55	32	37	49	55

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations



NO<sub>2</sub>(Continued)

Date/ Stations	Nehru Nagar	Sri aurobindo marg	Najafgarh	Vivek Vihar	Pusa	National Stadium
1-Mar-18	60	87	31	46	156	70
2-Mar-18	55	78	32	41	143	64
3-Mar-18	48	78	22	42	147	55
4-Mar-18	42	71	24	41	145	48
5-Mar-18	45	67	24	36	140	49
6-Mar-18	44	60	23	35	140	48
7-Mar-18	51	68	28	36	143	63
8-Mar-18	76	87	43	48	180	102
9-Mar-18	68	83	48	38	173	89
10-Mar-18	43	56	27	31	145	49
11-Mar-18	46	57	26	34	140	60
12-Mar-18	59	63	32	37	158	66
13-Mar-18	79	73	45	39	161	83
14-Mar-18	71	77	47	40	160	83
15-Mar-18	54	66	37	39	135	58
16-Mar-18	55	66	30	40	107	58
17-Mar-18	44	NA	25	35	97	53
18-Mar-18	53	NA	25	38	88	56
19-Mar-18	69	NA	29	45	107	76
20-Mar-18	84	NA	40	55	122	87
21-Mar-18	54	NA	35	47	106	60
22-Mar-18	42	NA	21	38	98	43
23-Mar-18	49	68	22	34	94	48
24-Mar-18	46	60	24	35	95	47
25-Mar-18	43	45	20	34	88	48
26-Mar-18	48	55	25	37	100	55
27-Mar-18	71	76	37	49	109	78
28-Mar-18	60	47	38	51	127	77
29-Mar-18	47	42	21	38	100	56
30-Mar-18	57	46	29	44	99	71
31-Mar-18	56	56	37	39	66	66
Maximum	84	87	48	55	180	102
Minimum	42	42	20	31	66	43
Average	56	65	31	40	125	63

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NO<sub>2</sub>(Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	70	80	46	40	18	99
2-Mar-18	65	60	44	34	18	74
3-Mar-18	56	51	35	30	16	64
4-Mar-18	48	48	30	25	15	63
5-Mar-18	52	56	31	24	25	67
6-Mar-18	52	46	34	27	24	77
7-Mar-18	50	58	41	45	30	88
8-Mar-18	95	69	69	56	51	113
9-Mar-18	86	93	59	36	38	93
10-Mar-18	60	58	27	28	25	73
11-Mar-18	61	61	35	36	26	80
12-Mar-18	74	74	47	36	34	82
13-Mar-18	88	72	54	51	48	110
14-Mar-18	83	54	56	56	53	108
15-Mar-18	63	56	39	40	35	81
16-Mar-18	63	65	30	32	35	75
17-Mar-18	57	54	27	25	29	74
18-Mar-18	62	58	27	28	35	86
19-Mar-18	74	69	39	33	42	99
20-Mar-18	96	59	59	46	45	119
21-Mar-18	60	55	44	34	37	71
22-Mar-18	46	43	23	25	30	59
23-Mar-18	45	48	26	26	29	63
24-Mar-18	51	50	28	24	27	71
25-Mar-18	49	44	25	22	25	73
26-Mar-18	55	54	32	36	27	88
27-Mar-18	67	74	47	51	41	107
28-Mar-18	75	48	54	54	47	120
29-Mar-18	54	53	34	39	31	77
30-Mar-18	66	55	40	43	37	96
31-Mar-18	63	39	47	55	42	84
Maximum	96	93	69	56	53	120
Minimum	45	39	23	22	15	59
Average	64	58	40	37	33	85

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NO<sub>2</sub>(Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	68	32	93	59	77	97
2-Mar-18	52	31	74	49	67	83
3-Mar-18	50	25	76	43	64	79
4-Mar-18	45	27	63	40	62	67
5-Mar-18	62	30	75	38	61	71
6-Mar-18	60	30	79	36	61	71
7-Mar-18	66	38	91	42	67	81
8-Mar-18	79	52	122	81	101	100
9-Mar-18	93	41	95	65	87	95
10-Mar-18	67	23	69	42	64	70
11-Mar-18	74	31	86	43	68	70
12-Mar-18	80	34	87	49	75	77
13-Mar-18	76	51	133	59	82	79
14-Mar-18	70	52	125	62	84	84
15-Mar-18	63	36	89	48	73	88
16-Mar-18	70	29	75	48	65	73
17-Mar-18	61	31	70	37	62	61
18-Mar-18	65	33	NA	45	62	68
19-Mar-18	76	33	NA	53	70	80
20-Mar-18	79	NA	123	68	96	93
21-Mar-18	67	16	66	55	71	68
22-Mar-18	61	15	55	46	62	53
23-Mar-18	62	23	65	35	57	50
24-Mar-18	64	23	66	36	59	52
25-Mar-18	53	21	70	36	53	53
26-Mar-18	59	27	74	43	65	72
27-Mar-18	70	42	94	60	73	86
28-Mar-18	64	46	94	66	79	69
29-Mar-18	59	31	75	42	61	65
30-Mar-18	62	40	92	55	64	82
31-Mar-18	48	30	54	62	80	85
Maximum	93	52	133	81	101	100
Minimum	45	15	54	35	53	50
Average	65	32	84	50	70	75

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NO<sub>2</sub>(Continued)

Date/Stations	Pusa	Burari crossing	North Campus	Lodhi Road	Aya Nagar	CRRI Mathura Road	IGI Airport Terminal-3
1-Mar-18	19	44	30	23	17	30	24
2-Mar-18	17	43	32	20	17	31	24
3-Mar-18	8	41	31	18	18	30	23
4-Mar-18	17	40	32	16	18	29	22
5-Mar-18	8	38	34	19	18	29	23
6-Mar-18	10	38	34	22	17	30	23
7-Mar-18	8	40	34	26	17	31	24
8-Mar-18	31	45	35	37	17	35	25
9-Mar-18	14	43	34	34	16	33	24
10-Mar-18	16	42	35	24	17	29	23
11-Mar-18	12	42	25	25	17	30	23
12-Mar-18	22	40	21	28	17	31	23
13-Mar-18	16	44	21	30	17	31	23
14-Mar-18	9	47	14	28	18	32	22
15-Mar-18	12	45	NA	23	18	30	22
16-Mar-18	19	42	NA	23	17	33	23
17-Mar-18	18	43	NA	21	17	29	23
18-Mar-18	12	39	NA	21	17	24	24
19-Mar-18	37	40	NA	NA	18	24	23
20-Mar-18	67	44	NA	58	17	24	24
21-Mar-18	66	45	11	26	16	30	24
22-Mar-18	67	41	16	21	23	31	23
23-Mar-18	68	40	13	20	17	27	23
24-Mar-18	70	41	14	21	15	31	23
25-Mar-18	67	41	14	20	14	31	23
26-Mar-18	69	41	15	22	16	29	23
27-Mar-18	69	43	19	29	16	29	22
28-Mar-18	72	45	25	28	16	31	23
29-Mar-18	64	43	17	22	15	31	23
30-Mar-18	70	42	17	26	15	31	23
31-Mar-18	71	45	17	23	15	33	23
Maximum	72	47	35	58	23	35	25
Minimum	8	38	11	16	14	24	22
Average	36	42	24	25	17	30	23

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NO<sub>2</sub>(Continued)

b) NCR

Date/Stations	Faridabad, Sec-16A	Gurgaon,Vikas Sadan	Bhiwadi ,RIICO Ind. Area III	Alwar,Moti Doongri	Noida , Sec-62	Noida , Sec-125	Ghaziabad
1-Mar-18	64	24	77	42	13	66	81
2-Mar-18	47	24	42	NA	13	45	80
3-Mar-18	43	24	40	14	13	43	67
4-Mar-18	37	24	60	24	13	36	64
5-Mar-18	44	23	71	29	13	45	62
6-Mar-18	54	23	94	NA	13	48	65
7-Mar-18	64	24	101	54	13	53	73
8-Mar-18	60	24	79	34	12	79	94
9-Mar-18	55	24	93	23	13	73	81
10-Mar-18	51	24	87	14	13	43	66
11-Mar-18	44	24	99	15	13	50	65
12-Mar-18	56	24	NA	15	13	67	72
13-Mar-18	55	24	83	18	13	70	84
14-Mar-18	49	24	79	19	12	35	84
15-Mar-18	48	25	NA	12	12	45	60
16-Mar-18	52	24	NA	12	12	49	63
17-Mar-18	56	24	89	10	14	41	56
18-Mar-18	55	24	77	6	14	52	60
19-Mar-18	59	24	NA	16	13	59	72
20-Mar-18	62	24	85	NA	13	68	94
21-Mar-18	51	24	41	NA	13	42	57
22-Mar-18	55	26	NA	NA	13	27	42
23-Mar-18	55	25	NA	NA	14	47	47
24-Mar-18	64	25	NA	NA	14	37	47
25-Mar-18	52	24	NA	NA	14	NA	48
26-Mar-18	59	25	NA	NA	14	51	61
27-Mar-18	54	24	NA	NA	13	65	83
28-Mar-18	60	25	NA	NA	13	61	77
29-Mar-18	60	25	46	20	14	49	64
30-Mar-18	60	25	100	11	13	54	78
31-Mar-18	58	25	67	15	13	NA	51
Maximum	64	26	101	54	14	79	94
Minimum	37	23	40	6	12	27	42
Average	54	24	76	20	13	52	68

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## 4. Benzene (in $\mu\text{g}/\text{m}^3$ )

### a) Delhi

Date/ Stations	DMS	NSIT	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	4.3	4.7	NA	0.1	1.8	1.2	0.3	0.5
2-Mar-18	4.2	2.4	NA	0.2	2.0	1.7	0.3	0.6
3-Mar-18	2.4	2.1	NA	0.1	1.4	0.9	0.2	0.5
4-Mar-18	1.0	1.5	NA	0.1	1.0	0.8	0.2	0.4
5-Mar-18	1.2	1.7	NA	0.3	1.0	0.7	0.2	1.2
6-Mar-18	1.4	1.8	NA	0.3	1.0	0.5	0.2	1.2
7-Mar-18	1.6	3.1	NA	0.4	1.1	0.8	0.2	1.5
8-Mar-18	2.1	6.8	NA	0.6	1.7	1.8	0.4	3.4
9-Mar-18	0.8	3.2	NA	2.3	1.4	1.6	0.5	2.2
10-Mar-18	0.6	1.6	NA	0.4	1.0	0.6	0.2	1.3
11-Mar-18	3.2	3.5	NA	0.4	1.1	0.8	0.2	1.4
12-Mar-18	2.0	2.7	NA	0.4	1.2	0.9	0.2	1.4
13-Mar-18	4.9	3.5	NA	0.5	1.5	1.5	0.3	2.3
14-Mar-18	4.9	2.8	NA	0.7	2.5	2.6	0.4	2.4
15-Mar-18	3.7	2.0	NA	0.6	1.8	1.5	0.3	2.0
16-Mar-18	3.5	2.0	NA	0.3	1.3	0.8	0.2	1.5
17-Mar-18	1.2	2.4	NA	0.3	1.0	0.6	0.2	1.2
18-Mar-18	0.7	1.5	NA	0.4	1.3	0.9	0.2	1.4
19-Mar-18	2.1	2.0	NA	0.4	1.5	0.9	0.2	1.4
20-Mar-18	4.8	3.8	NA	0.5	1.6	1.5	0.2	2.0
21-Mar-18	2.5	3.0	NA	0.5	1.5	1.7	0.4	2.0
22-Mar-18	4.8	2.1	NA	0.2	1.1	0.7	0.2	1.2
23-Mar-18	1.0	1.9	NA	0.4	0.9	0.5	0.1	1.1
24-Mar-18	1.1	2.2	NA	0.4	1.0	0.5	0.2	1.2
25-Mar-18	1.5	2.3	NA	0.4	1.1	0.6	0.2	1.2
26-Mar-18	3.4	3.9	NA	0.4	1.1	0.7	0.2	1.3
27-Mar-18	6.9	3.9	NA	0.5	1.5	1.6	0.3	2.3
28-Mar-18	2.7	2.8	NA	0.6	1.7	2.1	0.4	2.7
29-Mar-18	2.8	3.1	NA	0.4	1.2	0.8	0.2	1.3
30-Mar-18	3.5	2.8	NA	0.4	1.5	1.0	0.2	1.7
31-Mar-18	2.4	1.9	NA	0.3	1.7	1.5	0.2	1.7
Maximum	6.9	6.8		2.3	2.5	2.6	0.5	3.4
Minimum	0.6	1.5		0.1	0.9	0.5	0.1	0.4
Average	2.7	2.7		0.4	1.4	1.1	0.2	1.5

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

**Benzene** (Continued)

Date/ Stations	Nehru Nagar	Sri aurobindo marg	Najafgarh	Vivek Vihar	Pusa	National Stadium
1-Mar-18	1.1	0.7	0.7	0.1	3.2	0.6
2-Mar-18	1.1	0.9	0.6	0.2	2.2	0.6
3-Mar-18	0.8	0.5	0.4	0.1	2.3	0.4
4-Mar-18	0.7	0.4	0.4	0.1	2.0	0.3
5-Mar-18	0.6	0.3	0.5	0.1	1.6	0.3
6-Mar-18	0.5	0.3	0.5	0.1	1.8	0.2
7-Mar-18	0.7	0.5	0.5	0.1	2.2	0.5
8-Mar-18	1.2	0.8	0.6	0.2	3.2	0.7
9-Mar-18	1.4	1.0	1.0	0.2	3.7	0.8
10-Mar-18	0.6	3.7	0.5	0.1	2.5	0.3
11-Mar-18	0.7	14.2	0.5	0.1	1.8	0.3
12-Mar-18	0.8	12.0	0.6	0.1	2.1	0.4
13-Mar-18	1.1	0.9	0.7	0.1	2.9	0.5
14-Mar-18	1.0	0.6	0.7	0.2	2.4	0.5
15-Mar-18	0.7	0.6	0.5	0.1	2.4	0.4
16-Mar-18	0.7	0.7	0.6	0.1	2.5	0.4
17-Mar-18	0.6	NA	0.6	0.1	2.6	0.3
18-Mar-18	0.8	NA	0.5	0.1	1.9	0.3
19-Mar-18	0.7	NA	0.6	0.1	1.3	0.3
20-Mar-18	0.9	NA	0.6	0.1	1.8	0.4
21-Mar-18	1.1	NA	0.8	0.2	2.1	0.6
22-Mar-18	0.5	NA	0.5	0.1	1.3	0.3
23-Mar-18	0.5	2.5	0.5	0.0	1.3	0.2
24-Mar-18	0.6	0.5	0.5	0.1	1.3	0.3
25-Mar-18	0.6	0.4	0.6	0.1	1.1	0.2
26-Mar-18	0.7	0.4	0.5	0.1	1.5	0.3
27-Mar-18	1.0	0.4	0.5	0.1	1.7	0.4
28-Mar-18	1.2	0.5	0.5	0.2	1.7	0.5
29-Mar-18	0.7	0.3	0.6	0.1	1.5	NA
30-Mar-18	0.8	0.4	0.5	0.1	1.6	NA
31-Mar-18	0.7	0.4	0.5	0.1	1.3	NA
Maximum	1.4	14.2	1.0	0.2	3.7	0.8
Minimum	0.5	0.3	0.4	0.0	1.1	0.2
Average	0.8	1.8	0.6	0.1	2.0	0.4

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

**Benzene** (Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	2.2	0.8	1.4	2.7	NA	0.9
2-Mar-18	2.3	0.7	1.6	2.5	NA	1.4
3-Mar-18	1.8	0.5	1.2	2.0	NA	0.9
4-Mar-18	1.4	0.4	0.7	1.5	NA	0.7
5-Mar-18	1.1	0.4	0.7	1.8	NA	0.6
6-Mar-18	0.9	0.3	0.8	1.6	NA	0.6
7-Mar-18	1.1	0.4	1.0	2.0	NA	0.7
8-Mar-18	2.4	0.7	1.3	3.4	NA	2.2
9-Mar-18	2.3	1.2	1.6	2.7	NA	1.2
10-Mar-18	1.1	0.4	0.6	1.9	NA	0.5
11-Mar-18	1.3	0.5	0.9	2.3	NA	0.6
12-Mar-18	1.9	0.6	1.0	2.3	NA	0.7
13-Mar-18	2.3	0.6	1.0	3.3	NA	1.1
14-Mar-18	2.4	0.7	1.2	3.6	NA	1.6
15-Mar-18	1.7	0.6	0.9	3.4	NA	1.3
16-Mar-18	1.6	0.6	1.3	2.4	NA	0.6
17-Mar-18	1.3	0.5	0.9	1.7	NA	0.5
18-Mar-18	1.5	0.5	0.8	2.0	NA	0.7
19-Mar-18	1.2	0.4	0.8	2.1	NA	0.8
20-Mar-18	2.2	0.5	1.4	2.5	NA	1.2
21-Mar-18	2.2	0.8	1.8	2.3	NA	1.3
22-Mar-18	1.0	0.4	0.8	1.5	NA	0.5
23-Mar-18	1.3	0.3	0.7	1.6	NA	0.4
24-Mar-18	1.4	0.4	0.8	1.7	NA	0.4
25-Mar-18	1.2	0.4	0.5	1.9	NA	0.5
26-Mar-18	1.5	0.5	0.9	2.2	NA	0.5
27-Mar-18	0.5	0.6	1.4	3.2	NA	1.0
28-Mar-18	2.3	0.4	1.2	2.7	NA	1.7
29-Mar-18	1.5	0.5	1.0	2.8	NA	0.5
30-Mar-18	1.6	0.5	1.0	4.3	NA	0.7
31-Mar-18	1.7	0.5	1.0	2.5	NA	0.9
Maximum	2.4	1.2	1.8	4.3		2.2
Minimum	0.5	0.3	0.5	1.5		0.4
Average	1.6	0.5	1.0	2.4		0.9

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations



**Benzene** (Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	2.4	1.7	7.8	2.2	1.5	8.4
2-Mar-18	2.6	2.1	12.3	1.9	2.8	7.9
3-Mar-18	1.9	0.9	9.4	1.7	1.3	5.6
4-Mar-18	1.5	0.7	7.4	1.1	0.7	4.5
5-Mar-18	1.2	0.7	6.0	1.1	0.7	4.4
6-Mar-18	1.1	0.8	6.2	1.1	1.8	3.6
7-Mar-18	1.7	1.2	8.2	1.5	1.5	5.8
8-Mar-18	3.9	2.5	18.2	2.8	2.4	8.9
9-Mar-18	1.2	1.5	18.5	2.9	1.3	9.5
10-Mar-18	1.4	0.8	7.3	1.3	1.0	5.0
11-Mar-18	1.5	1.4	8.5	1.5	1.4	5.4
12-Mar-18	1.9	1.8	10.0	1.7	1.4	6.4
13-Mar-18	2.7	2.7	12.2	2.0	1.5	7.1
14-Mar-18	3.2	3.2	15.1	2.2	1.5	9.3
15-Mar-18	2.0	2.0	9.0	1.9	1.1	8.2
16-Mar-18	1.9	1.3	4.1	1.8	1.0	5.0
17-Mar-18	1.4	0.9	2.6	1.7	1.1	3.7
18-Mar-18	1.5	1.2		1.5	0.8	3.6
19-Mar-18	1.5	1.4		1.3	0.8	4.7
20-Mar-18	2.1	1.7	10.4	4.2	1.5	15.8
21-Mar-18	2.5	1.3	7.5	5.4	1.3	12.7
22-Mar-18	1.3	0.7	4.5	3.1	1.0	6.6
23-Mar-18	1.1	0.5	4.5	2.6	0.6	5.9
24-Mar-18	1.5	0.7	5.8	2.6	0.6	7.5
25-Mar-18	1.3	0.7	5.7	2.5	0.8	7.2
26-Mar-18	1.6	0.9	7.3	3.3	0.9	9.8
27-Mar-18	2.0	1.7	14.4	4.2	1.6	11.8
28-Mar-18	2.5	1.4	17.0	4.5	1.6	11.1
29-Mar-18	2.1	1.2	7.7	3.4	1.3	8.7
30-Mar-18	1.5	1.5	7.9	4.2	1.8	9.9
31-Mar-18	1.7	1.3	4.5	4.1	1.0	9.0
Maximum	3.9	3.2	18.5	5.4	2.8	15.8
Minimum	1.1	0.5	2.6	1.1	0.6	3.6
Average	1.9	1.4	9.0	2.5	1.3	7.5

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

**Benzene** (Continued)

**b) NCR**

<b>Date/Stations</b>	<b>Noida , Sec-125</b>	<b>Ghaziabad</b>	<b>Faridabad, Sec-16A</b>
1-Mar-18	0.6	0.3	9.0
2-Mar-18	0.7	0.3	7.9
3-Mar-18	0.3	0.2	5.8
4-Mar-18	0.3	0.2	4.8
5-Mar-18	0.4	0.2	4.2
6-Mar-18	0.4	0.1	3.6
7-Mar-18	0.6	0.2	4.5
8-Mar-18	0.8	0.4	7.6
9-Mar-18	0.9	0.4	8.4
10-Mar-18	0.3	0.2	4.9
11-Mar-18	0.4	0.2	4.0
12-Mar-18	0.5	0.2	5.0
13-Mar-18	0.5	0.3	6.3
14-Mar-18	0.6	0.3	8.9
15-Mar-18	0.3	0.3	7.1
16-Mar-18	0.1	0.3	6.1
17-Mar-18	0.1	0.1	4.5
18-Mar-18	0.0	0.2	4.7
19-Mar-18	0.1	0.2	5.9
20-Mar-18	0.1	0.3	7.2
21-Mar-18	0.3	0.4	6.8
22-Mar-18	0.4	0.2	4.9
23-Mar-18	0.4	0.1	3.0
24-Mar-18	0.6	0.1	4.4
25-Mar-18	NA	0.1	3.9
26-Mar-18	0.6	0.2	4.7
27-Mar-18	0.7	0.3	6.2
28-Mar-18	0.8	0.4	7.2
29-Mar-18	0.5	0.2	4.1
30-Mar-18	0.4	0.2	4.5
31-Mar-18	NA	0.2	5.4
<b>Maximum</b>	<b>0.9</b>	<b>0.4</b>	<b>9.0</b>
<b>Minimum</b>	<b>0.0</b>	<b>0.1</b>	<b>3.0</b>
<b>Average</b>	<b>0.4</b>	<b>0.2</b>	<b>5.6</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## 5.CO (in mg/m<sup>3</sup>)

### a) Delhi

Date/Stations	CPCB		
	NSIT	DMS	IHBAS
1-Mar-18	0.8	1.1	1.5
2-Mar-18	0.6	0.8	1.4
3-Mar-18	0.6	0.7	1.2
4-Mar-18	0.6	0.5	0.9
5-Mar-18	0.6	0.6	0.9
6-Mar-18	0.5	0.5	0.7
7-Mar-18	0.8	1.1	1.3
8-Mar-18	0.9	1.2	1.5
9-Mar-18	0.6	0.7	0.7
10-Mar-18	0.6	0.4	0.9
11-Mar-18	0.7	0.8	1.0
12-Mar-18	0.6	0.6	1.1
13-Mar-18	0.7	1.2	1.5
14-Mar-18	0.6	1.2	1.3
15-Mar-18	0.6	0.7	0.8
16-Mar-18	0.6	0.7	0.9
17-Mar-18	0.6	0.8	0.5
18-Mar-18	0.5	0.7	0.6
19-Mar-18	0.5	0.8	0.8
20-Mar-18	0.7	1.3	1.5
21-Mar-18	0.5	0.8	0.9
22-Mar-18	0.4	1.3	0.8
23-Mar-18	0.4	0.6	0.9
24-Mar-18	0.4	0.6	0.8
25-Mar-18	0.4	0.6	0.9
26-Mar-18	0.5	0.8	1.0
27-Mar-18	0.5	1.4	1.3
28-Mar-18	0.5	0.6	0.9
29-Mar-18	0.5	0.6	0.5
30-Mar-18	0.5	0.9	0.7
31-Mar-18	0.6	0.8	0.6
<b>Maximum</b>	<b>0.9</b>	<b>1.4</b>	<b>1.5</b>
<b>Minimum</b>	<b>0.4</b>	<b>0.4</b>	<b>0.5</b>
<b>Average</b>	<b>0.6</b>	<b>0.8</b>	<b>1.0</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## CO(Continued)

Date/ Stations	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	NA	1.3	0.9	1.9	1.1	1.0
2-Mar-18	NA	2.0	1.1	2.3	1.9	1.6
3-Mar-18	NA	1.1	0.7	0.9	0.7	0.9
4-Mar-18	NA	1.0	0.6	0.6	0.6	0.7
5-Mar-18	NA	1.0	0.6	0.9	0.4	0.6
6-Mar-18	NA	0.9	0.6	0.6	0.4	0.9
7-Mar-18	NA	1.3	0.8	1.3	0.8	0.8
8-Mar-18	NA	2.3	1.2	2.4	2.0	1.7
9-Mar-18	NA	2.3	1.0	1.6	1.4	1.0
10-Mar-18	NA	1.0	0.6	0.6	0.5	0.5
11-Mar-18	NA	1.2	0.7	1.0	0.9	0.7
12-Mar-18	NA	1.2	0.8	1.0	0.8	0.7
13-Mar-18	NA	1.8	1.0	1.6	1.5	1.3
14-Mar-18	NA	2.0	1.2	2.4	1.3	1.2
15-Mar-18	NA	1.4	1.0	1.3	0.8	0.9
16-Mar-18	NA	1.4	0.8	0.9	0.7	0.7
17-Mar-18	NA	1.0	0.5	0.7	0.4	0.5
18-Mar-18	NA	1.1	0.7	0.9	0.6	0.6
19-Mar-18	NA	1.3	0.8	1.2	0.6	0.7
20-Mar-18	NA	1.6	1.0	1.7	1.2	0.8
21-Mar-18	NA	1.4	0.8	1.4	1.1	0.8
22-Mar-18	NA	1.1	0.6	0.8	0.6	0.5
23-Mar-18	NA	1.1	0.6	0.7	0.4	0.5
24-Mar-18	NA	1.0	0.6	0.7	0.6	0.5
25-Mar-18	NA	1.0	0.6	0.8	0.5	0.5
26-Mar-18	NA	1.2	0.7	0.8	0.7	0.6
27-Mar-18	NA	1.7	1.1	1.9	1.3	1.1
28-Mar-18	NA	2.3	1.1	2.6	1.8	1.9
29-Mar-18	NA	1.2	0.7	1.1	0.6	0.5
30-Mar-18	NA	1.3	0.9	1.3	0.9	0.7
31-Mar-18	NA	1.2	0.9	1.1	0.8	0.7
<b>Maximum</b>		2.3	1.2	2.6	2.0	1.9
<b>Minimum</b>		0.9	0.5	0.6	0.4	0.5
<b>Average</b>		1.4	0.8	1.3	0.9	0.8

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## CO(Continued)

Date/ Stations	Pusa	Nehru Nagar	Sri aurobindo marg	Najafgarh	Vivek Vihar	National Stadium
1-Mar-18	1.6	1.7	1.3	0.8	1.4	1.9
2-Mar-18	1.5	2.0	1.6	0.8	1.9	2.1
3-Mar-18	1.3	1.1	0.8	0.6	0.7	1.3
4-Mar-18	1.0	0.9	0.7	0.6		0.9
5-Mar-18	1.1	0.9	0.7	0.5		0.9
6-Mar-18	1.1	0.7	0.6	0.5	1.2	0.7
7-Mar-18	1.2	1.2	1.0	0.5	0.9	1.3
8-Mar-18	1.9	2.5	1.5	0.8	2.1	3.1
9-Mar-18	2.2	2.1	1.8	1.1	1.3	2.4
10-Mar-18	1.0	0.9	0.7	0.5	1.0	0.7
11-Mar-18	1.2	1.1	0.8	0.8	1.2	1.2
12-Mar-18	1.6	1.3	1.0	0.7	1.1	1.4
13-Mar-18	1.8	1.9	1.2	0.7	1.7	2.1
14-Mar-18	2.1	1.7	1.0	0.7	1.8	2.2
15-Mar-18	1.2	0.9	1.1	0.6	1.5	1.1
16-Mar-18	1.3	1.0	0.9	0.8	1.4	1.1
17-Mar-18	1.3	0.8	NA	0.5	1.0	0.7
18-Mar-18	1.2	0.8	NA	0.7	1.1	0.9
19-Mar-18	1.3	1.1	NA	0.6	1.5	1.4
20-Mar-18	1.7	1.7	NA	0.8	1.9	2.0
21-Mar-18	1.5	1.2	NA	0.8	1.8	1.5
22-Mar-18	1.0	0.7	NA	0.6	1.3	0.8
23-Mar-18	1.1	1.2	2.5	0.5	1.1	0.8
24-Mar-18	1.2	1.0	0.7	0.7	1.2	0.7
25-Mar-18	1.1	0.8	0.7	0.6	1.4	0.8
26-Mar-18	1.5	1.0	0.7	0.6	1.4	1.0
27-Mar-18	1.7	1.8	1.2	0.6	1.9	1.8
28-Mar-18	2.1	1.7	1.2	0.7	2.3	2.1
29-Mar-18	1.4	0.8	0.6	0.6	1.4	1.0
30-Mar-18	1.3	0.9	0.7	0.7	1.5	1.3
31-Mar-18	1.1	1.0	0.9	0.7	1.5	1.3
<b>Maximum</b>	<b>2.2</b>	<b>2.5</b>	<b>2.5</b>	<b>1.1</b>	<b>2.3</b>	<b>3.1</b>
<b>Minimum</b>	<b>1.0</b>	<b>0.7</b>	<b>0.6</b>	<b>0.5</b>	<b>0.7</b>	<b>0.7</b>
<b>Average</b>	<b>1.4</b>	<b>1.2</b>	<b>1.0</b>	<b>0.7</b>	<b>1.4</b>	<b>1.4</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## CO(Continued)

Date/ Stations	Wazirpur	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	1.3	1.1	2.6	1.5	1.3	1.9
2-Mar-18	1.8	1.3	3.3	1.6	1.8	3.0
3-Mar-18	1.0	0.9	3.5	1.2	1.2	1.4
4-Mar-18	0.8	0.8	1.7	1.0	0.7	1.1
5-Mar-18	0.7	0.8	1.7	0.9	0.7	1.3
6-Mar-18	0.7	0.8	4.5	0.8	0.8	1.0
7-Mar-18	1.0	1.0	3.2	1.1	1.2	1.2
8-Mar-18	2.2	1.6	3.5	2.2	2.6	1.7
9-Mar-18	1.2	1.1	2.3	1.4	1.4	1.8
10-Mar-18	0.6	0.8	1.9	0.9	0.7	0.9
11-Mar-18	0.6	0.9	1.8	1.4	1.2	1.6
12-Mar-18	0.7	1.0	2.1	1.1	1.0	1.6
13-Mar-18	1.2	1.5	3.7	1.9	1.9	2.1
14-Mar-18	1.3	1.6	3.1	2.2	1.8	2.1
15-Mar-18	1.1	1.2	2.1	1.1	1.2	2.1
16-Mar-18	1.2	0.9	0.9	1.0	1.0	1.3
17-Mar-18	0.9	0.8	0.5	0.9	0.7	1.0
18-Mar-18	0.9	0.9	NA	1.0	0.8	1.2
19-Mar-18	1.0	1.0	NA	1.0	0.9	1.3
20-Mar-18	1.5	1.4	1.6	1.6	2.0	1.9
21-Mar-18	1.1	1.2	0.8	1.2	1.2	1.2
22-Mar-18	0.8	0.9	1.3	1.0	0.8	0.9
23-Mar-18	0.7	0.8	1.4	0.8	0.6	0.9
24-Mar-18	0.8	0.9	0.7	0.8	0.7	0.9
25-Mar-18	0.8	0.9	1.0	1.0	0.7	0.9
26-Mar-18	0.9	0.9	1.6	1.0	0.8	1.6
27-Mar-18	1.5	1.2	2.0	1.6	1.6	2.0
28-Mar-18	2.3	1.2	1.2	1.4	1.9	1.6
29-Mar-18	0.9	0.9	1.4	1.0	0.8	1.3
30-Mar-18	1.1	1.0	1.3	1.2	1.0	1.5
31-Mar-18	1.1	1.1	1.7	1.2	1.1	1.3
<b>Maximum</b>	<b>2.3</b>	<b>1.6</b>	<b>4.5</b>	<b>2.2</b>	<b>2.6</b>	<b>3.0</b>
<b>Minimum</b>	<b>0.6</b>	<b>0.8</b>	<b>0.5</b>	<b>0.8</b>	<b>0.6</b>	<b>0.9</b>
<b>Average</b>	<b>1.1</b>	<b>1.1</b>	<b>2.0</b>	<b>1.2</b>	<b>1.2</b>	<b>1.5</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

CO(Continued)

Date/Stations	Burari crossing	North Campus	Lodhi Road	Aya Nagar	Pusa	CRRJ Mathura Road	IGI Airport Terminal 3
1-Mar-18	0.8	1.7	2.7	1.1	2.3	1.5	1.5
2-Mar-18	0.8	1.7	2.6	1.1	2.6	1.3	1.4
3-Mar-18	0.9	1.7	1.8	1.1	2.3	1.4	1.6
4-Mar-18	0.9	1.6	1.6	1.2	2.1	1.5	1.7
5-Mar-18	0.9	1.7	1.5	1.1	2.1	1.5	1.6
6-Mar-18	0.9	1.6	1.6	1.1	2.1	1.4	1.5
7-Mar-18	0.9	1.7	1.8	1.1	2.2	1.3	1.5
8-Mar-18	0.8	1.6	2.6	1.0	2.9	1.0	1.4
9-Mar-18	0.8	1.9	2.3	1.0	2.8	1.1	1.4
10-Mar-18	1.0	2.3	1.5	1.1	2.1	1.5	1.5
11-Mar-18	0.9	1.9	1.6	1.1	2.2	1.4	1.5
12-Mar-18	0.9	2.0	2.0	1.0	2.4	1.3	1.5
13-Mar-18	0.8	2.0	3.1	1.1	2.6	1.4	1.5
14-Mar-18	0.7	1.7	3.5	1.1	2.6	1.2	1.7
15-Mar-18	0.8	1.2	2.9	1.1	2.4	1.4	1.7
16-Mar-18	0.9	1.1	3.0	1.1	2.3	1.1	1.5
17-Mar-18	0.9	1.0	3.0	1.1	2.2	1.7	1.5
18-Mar-18	0.9	1.0	3.9	1.1	2.3	2.7	1.5
19-Mar-18	0.9	0.9	NA	1.1	2.3	2.7	1.6
20-Mar-18	0.8	0.9	4.5	1.0	2.6	2.7	1.5
21-Mar-18	0.8	1.0	4.3	1.0	2.8	1.4	1.4
22-Mar-18	0.8	1.1	2.9	1.5	2.4	1.3	1.5
23-Mar-18	0.9	0.9	1.2	1.2	2.4	2.0	1.6
24-Mar-18	0.9	0.7	2.1	0.9	2.5	1.2	1.5
25-Mar-18	0.8	0.7	3.1	0.9	2.5	1.3	1.5
26-Mar-18	1.0	0.7	2.9	1.0	2.5	1.7	1.6
27-Mar-18	0.8	0.7	3.3	1.0	2.9	1.7	1.7
28-Mar-18	0.8	0.7	3.5	0.9	3.1	1.2	1.6
29-Mar-18	0.8	0.7	2.9	0.9	2.5	1.2	1.6
30-Mar-18	1.0	0.8	2.5	0.9	2.6	1.2	1.5
31-Mar-18	0.8	0.8	2.6	0.9	2.7	0.9	1.5
Maximum	1.0	2.3	4.5	1.5	3.1	2.7	1.7
Minimum	0.7	0.7	1.2	0.9	2.1	0.9	1.4
Average	0.9	1.3	2.6	1.0	2.5	1.5	1.5

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

CO(Continued)

**b) NCR**

Date/Stations	Bhiwadi ,RIICO Ind. Area III	Noida , Sec-62	Noida , Sec-125	Ghaziabad	Gurgaon,Vikas Sadan	Alwar,Moti Doongri
1-Mar-18	0.9	1.9	1.5	1.2	0.7	0.9
2-Mar-18	0.7	0.9	1.9	1.9	0.7	NA
3-Mar-18	0.6	1.1	1.1	1.1	0.7	0.5
4-Mar-18	0.5	1.0	1.0	1.0	0.7	0.6
5-Mar-18	0.6	1.2	0.8	0.8	0.7	0.6
6-Mar-18	0.5	1.3	0.9	0.7	0.8	0.6
7-Mar-18	0.8	1.2	1.2	0.9	0.7	1.0
8-Mar-18	0.9	0.9	2.2	2.4	0.7	1.1
9-Mar-18	0.8	1.0	1.8	1.0	0.7	1.1
10-Mar-18	0.6	1.2	0.7	0.8	0.8	1.5
11-Mar-18	0.7	1.1	0.9	0.9	0.8	0.8
12-Mar-18	0.8	1.0	1.1	1.0	0.7	1.0
13-Mar-18	0.6	1.0	1.2	1.6	1.0	1.2
14-Mar-18	0.6	0.9	1.0	1.7	0.7	0.9
15-Mar-18	0.5	0.9	0.8	1.2	0.8	0.9
16-Mar-18	0.8	1.3	1.1	1.1	0.7	0.6
17-Mar-18	0.7	2.2	0.7	0.7	0.9	0.5
18-Mar-18	0.6	1.6	0.9	0.9	0.8	1.1
19-Mar-18	0.8	1.1	1.0	1.0	0.8	1.4
20-Mar-18	0.8	1.0	1.3	1.6	0.9	NA
21-Mar-18	0.8	1.0	1.3	1.4	0.9	NA
22-Mar-18	NA	1.4	0.6	1.0	0.2	NA
23-Mar-18	0.7	1.6	0.7	0.7	0.3	NA
24-Mar-18	0.8	1.5	0.8	0.8	0.5	NA
25-Mar-18	NA	1.8	NA	0.7	0.2	NA
26-Mar-18	0.7	1.5	1.2	0.8	0.2	NA
27-Mar-18	0.6	1.4	1.9	1.6	0.7	NA
28-Mar-18	0.8	1.1	2.1	2.3	0.7	NA
29-Mar-18	1.0	1.2	0.9	0.8	0.7	2.1
30-Mar-18	0.9	1.2	1.2	1.0	0.7	1.0
31-Mar-18	0.8	1.0	NA	1.0	0.7	0.9
Maximum	1.0	2.2	2.2	2.4	1.0	2.1
Minimum	0.5	0.9	0.6	0.7	0.2	0.5
Average	0.7	1.2	1.2	1.1	0.7	1.0

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations



## 6. Ozone (in $\mu\text{g}/\text{m}^3$ )

### a) Delhi

Date/ Stations	CPCB		DPCC					
	DMS	NSIT	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	19	16	NA	4	39	35	32	18
2-Mar-18	25	19	NA	4	44	39	37	24
3-Mar-18	19	18	NA	3	39	34	32	19
4-Mar-18	20	17	NA	4	37	41	32	19
5-Mar-18	29	23	NA	8	43	42	36	38
6-Mar-18	33	26	NA	10	51	53	36	41
7-Mar-18	34	25	NA	11	52	53	42	40
8-Mar-18	35	34	NA	16	66	74	75	69
9-Mar-18	33	27	NA	42	44	50	79	43
10-Mar-18	34	25	NA	9	46	53	42	35
11-Mar-18	30	25	NA	10	47	52	49	42
12-Mar-18	27	23	NA	14	49	50	46	46
13-Mar-18	25	24	NA	10	50	58	49	50
14-Mar-18	25	22	NA	14	48	97	41	45
15-Mar-18	17	23	NA	7	29	38	35	37
16-Mar-18	25	26	NA	8	40	39	46	46
17-Mar-18	36	28	NA	6	46	56	49	48
18-Mar-18	39	39	NA	7	50	53	57	55
19-Mar-18	33	35	NA	7	42	49	52	51
20-Mar-18	32	37	NA	9	44	58	71	66
21-Mar-18	35	21	NA	10	38	62	59	63
22-Mar-18	32	25	NA	10	37	64	69	56
23-Mar-18	38	32	NA	10	38	91	57	42
24-Mar-18	43	35	NA	19	47	119	55	43
25-Mar-18	32	33	NA	44	48	125	61	47
26-Mar-18	33	33	NA	39	52	112	59	45
27-Mar-18	32	33	NA	33	39	96	57	48
28-Mar-18	42	33	NA	36	53	108	91	53
29-Mar-18	40	32	NA	34	61	104	55	48
30-Mar-18	42	39	NA	37	64	82	59	58
31-Mar-18	49	52	NA	43	52	78	102	66
Maximum	49	52		44	66	125	102	69
Minimum	17	16		3	29	34	32	18
Average	32	28		17	46	67	54	45

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

Ozone (Continued)

Date/ Stations	Nehru Nagar	Sri aurobindo marg	Najafgarh	Vivek Vihar	Pusa	National Stadium
1-Mar-18	61	48	45	24	19	26
2-Mar-18	65	61	55	24	37	33
3-Mar-18	58	59	47	28	21	25
4-Mar-18	55	45	39	25	23	25
5-Mar-18	62	50	50	29	25	32
6-Mar-18	69	58	57	33	28	34
7-Mar-18	74	57	59	38	31	36
8-Mar-18	71	61	71	50	40	56
9-Mar-18	85	63	59	41	30	35
10-Mar-18	54	59	54	35	25	31
11-Mar-18	68	63	55	33	35	34
12-Mar-18	52	59	56	36	24	27
13-Mar-18	54	62	54	51	24	24
14-Mar-18	42	42	46	89	23	27
15-Mar-18	35	38	36	29	17	20
16-Mar-18	54	64	53	30	23	28
17-Mar-18	64	NA	58	41	27	31
18-Mar-18	65	NA	63	48	32	39
19-Mar-18	53	NA	60	39	22	28
20-Mar-18	84	NA	61	49	33	40
21-Mar-18	64	NA	56	33	39	43
22-Mar-18	62	NA	58	36	35	43
23-Mar-18	55	80	57	40	31	42
24-Mar-18	72	67	63	46	34	43
25-Mar-18	74	74	69	46	42	43
26-Mar-18	73	71	67	43	32	43
27-Mar-18	55	43	56	48	22	32
28-Mar-18	64	57	65	52	30	45
29-Mar-18	71	65	70	47	32	47
30-Mar-18	69	69	68	46	32	45
31-Mar-18	70	62	81	61	63	57
Maximum	85	80	81	89	63	57
Minimum	35	38	36	24	17	20
Average	63	59	58	41	30	36

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

**Ozone** (Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	34	47	37	23	23	22
2-Mar-18	36	63	43	29	27	34
3-Mar-18	30	48	31	21	22	23
4-Mar-18	29	45	35	24	24	20
5-Mar-18	33	47	41	32	30	24
6-Mar-18	36	64	43	40	37	26
7-Mar-18	46	56	41	33	40	30
8-Mar-18	47	72	52	53	51	43
9-Mar-18	42	83	50	34	32	27
10-Mar-18	34	50	50	32	37	23
11-Mar-18	43	62	45	34	41	31
12-Mar-18	35	55	38	37	34	26
13-Mar-18	35	54	35	50	38	26
14-Mar-18	32	55	37	34	43	23
15-Mar-18	28	36	38	16	24	22
16-Mar-18	39	48	56	21	65	35
17-Mar-18	42	59	57	9	65	37
18-Mar-18	47	64	63		65	39
19-Mar-18	46	58	53		57	29
20-Mar-18	58	72	47	5	63	40
21-Mar-18	52	69	55	14	65	34
22-Mar-18	54	74	64	27	60	31
23-Mar-18	56	68	60	38	56	31
24-Mar-18	53	71	57	55	66	35
25-Mar-18	55	80	63	67	75	36
26-Mar-18	55	76	58	51	67	36
27-Mar-18	33	59	40	42	54	28
28-Mar-18	49	77	42	52	54	34
29-Mar-18	55	74	58	52	63	37
30-Mar-18	53	77	59	52	64	35
31-Mar-18	61	85	64	66	66	38
Maximum	61	85	64	67	75	43
Minimum	28	36	31	5	22	20
Average	43	63	49	36	49	31

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

Ozone (Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	25	30	13	21	20	40
2-Mar-18	38	29	23	25	24	48
3-Mar-18	22	24	14	21	30	36
4-Mar-18	26	23	32	21	27	39
5-Mar-18	22	25	17	27	32	42
6-Mar-18	21	30	21	30	31	45
7-Mar-18	21	33	22	32	52	46
8-Mar-18	31	52	63	34	103	63
9-Mar-18	27	34	49	28	45	54
10-Mar-18	25	36	21	29	47	47
11-Mar-18	24	33	21	32	71	56
12-Mar-18	18	36	19	28	74	50
13-Mar-18	19	35	14	25	99	53
14-Mar-18	19	38	23	18	55	40
15-Mar-18	14	21	16	22	93	40
16-Mar-18	20	29	29	36	181	46
17-Mar-18	22	36	12	48	192	51
18-Mar-18	26	53		33	83	56
19-Mar-18	22	56		29	82	50
20-Mar-18	28	50	149	29	78	60
21-Mar-18	38	42	53	24	75	51
22-Mar-18	25	37	33	26	75	62
23-Mar-18	25	36	26	30	76	66
24-Mar-18	25	40	30	34	65	72
25-Mar-18	26	42	30	34	33	78
26-Mar-18	25	37	30	31	33	65
27-Mar-18	23	32	48	24	44	49
28-Mar-18	24	32	63	30	43	61
29-Mar-18	24	34	32	32	41	70
30-Mar-18	27	31	29	30	41	65
31-Mar-18	32	31	58	26	40	64
Maximum	38	56	149	48	192	78
Minimum	14	21	12	18	20	36
Average	25	35	34	29	64	54

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## Ozone (Continued)

Date/Stations	Aya Nagar	Burari Crossing	CRR1 Mathura	IGI Airport Terminal-3	Lodhi Road	North Campus	Pusa
1-Mar-18	36	30	25	34	24	31	18
2-Mar-18	40	31	31	36	27	34	114
3-Mar-18	35	26	25	29	22	33	66
4-Mar-18	33	25	23	27	23	35	56
5-Mar-18	35	23	23	30	26	37	112
6-Mar-18	38	23	23	32	27	39	125
7-Mar-18	38	25	26	33	28	39	104
8-Mar-18	43	33	49	39	36	40	92
9-Mar-18	42	32	49	37	26	38	61
10-Mar-18	37	22	22	30	25	40	45
11-Mar-18	39	24	25	32	29	24	58
12-Mar-18	41	25	29	32	26	16	50
13-Mar-18	39	29	23	31	25	17	64
14-Mar-18	36	39	34	27	24	17	40
15-Mar-18	35	35	24	26	20	17	33
16-Mar-18	42	29	29	31	20	17	6
17-Mar-18	39	24	22	33	34	17	5
18-Mar-18	40	25	10	33	27	17	6
19-Mar-18	38	25	10	30	NA	17	8
20-Mar-18	44	62	10	34	21	17	14
21-Mar-18	43	113	27	36	30	17	16
22-Mar-18	31	44	26	33	32	17	13
23-Mar-18	44	49	16	29	31	19	12
24-Mar-18	57	58	28	31	30	14	11
25-Mar-18	61	73	27	31	32	16	15
26-Mar-18	59	68	22	30	30	18	14
27-Mar-18	53	71	21	27	25	19	43
28-Mar-18	54	80	30	30	31	23	82
29-Mar-18	56	78	28	30	33	24	119
30-Mar-18	55	85	28	31	33	27	92
31-Mar-18	58	107	41	33	37	31	141
Maximum	61	113	49	39	37	40	141
Minimum	31	22	10	26	20	14	5
Average	43	46	26	32	28	25	53

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

Ozone (Continued)

b) NCR

Date/Stations	Noida , Sec-125	Ghaziabad	Faridabad, Sec-16A	Gurgaon,Vikas Sadan	Noida , Sec-62
1-Mar-18	39	36	49	37	39
2-Mar-18	61	47	38	49	43
3-Mar-18	33	52	30	36	37
4-Mar-18	36	45	26	34	45
5-Mar-18	35	44	30	43	41
6-Mar-18	37	37	39	53	34
7-Mar-18	45	27	45	53	35
8-Mar-18	51	27	40	37	39
9-Mar-18	56	48	42	47	35
10-Mar-18	40	46	53	47	36
11-Mar-18	50	47	43	46	34
12-Mar-18	38	69	36	38	38
13-Mar-18	38	52	34	33	33
14-Mar-18	44	34	29	29	33
15-Mar-18	36	22	24	30	30
16-Mar-18	37	49	34	45	40
17-Mar-18	44	30	44	55	40
18-Mar-18	47	52	47	59	40
19-Mar-18	39	38	36	49	37
20-Mar-18	45	40	41	42	38
21-Mar-18	57	34	41	47	37
22-Mar-18	47	33	44	86	37
23-Mar-18	42	47	48	50	36
24-Mar-18	56	43	54	73	36
25-Mar-18	NA	36	59	22	36
26-Mar-18	68	52	61	68	36
27-Mar-18	57	39	48	38	34
28-Mar-18	29	73	52	50	37
29-Mar-18	44	58	54	66	35
30-Mar-18	51	55	56	54	43
31-Mar-18	NA	34	62	71	40
Maximum	68	73	62	86	45
Minimum	29	22	24	22	30
Average	45	44	43	48	37

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

## 7. NH<sub>3</sub> (in µg/m<sup>3</sup>)

### a) Delhi

Date/Stations	CPCB			
	IHBAS	ITO	DTU	Sirifort
1-Mar-18	63	65	39	38
2-Mar-18	65	51	38	29
3-Mar-18	51	45	37	26
4-Mar-18	42	45	37	23
5-Mar-18	41	33	36	24
6-Mar-18	46	28	36	24
7-Mar-18	57	82	38	43
8-Mar-18	83	121	39	61
9-Mar-18	83	37	38	44
10-Mar-18	60	27	35	22
11-Mar-18	56	46	36	32
12-Mar-18	41	43	35	36
13-Mar-18	52	71	37	54
14-Mar-18	38	88	36	39
15-Mar-18	14	42	35	27
16-Mar-18	16	35	36	26
17-Mar-18	14	31	34	25
18-Mar-18	16	39	34	23
19-Mar-18	41	51	35	34
20-Mar-18	60	69	35	35
21-Mar-18	47	36	34	19
22-Mar-18	43	30	33	17
23-Mar-18	40	27	33	20
24-Mar-18	40	24	32	17
25-Mar-18	45	25	31	16
26-Mar-18	48	39	44	29
27-Mar-18	68	98	48	72
28-Mar-18	73	41	48	NA
29-Mar-18	47	33	48	NA
30-Mar-18	46	50	49	NA
31-Mar-18	49	45	48	NA
<b>Maximum</b>	<b>83</b>	<b>121</b>	<b>49</b>	<b>72</b>
<b>Minimum</b>	<b>14</b>	<b>24</b>	<b>31</b>	<b>16</b>
<b>Average</b>	<b>48</b>	<b>48</b>	<b>38</b>	<b>32</b>

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NH<sub>3</sub> (Continued)

Date/ Stations	Alipur	Jahangirpuri	Narela	Sonia Vihar	Patparganj	Ashok Vihar
1-Mar-18	NA	103	46	36	50	30
2-Mar-18	NA	101	51	41	58	37
3-Mar-18	NA	95	37	34	48	36
4-Mar-18	NA	89	35	30	45	35
5-Mar-18	NA	55	33	29	41	35
6-Mar-18	NA	56	31	25	38	34
7-Mar-18	NA	51	32	26	39	29
8-Mar-18	NA	66	39	34	47	39
9-Mar-18	NA	45	37	33	45	38
10-Mar-18	NA	47	33	26	37	30
11-Mar-18	NA	49	33	28	38	31
12-Mar-18	NA	51	36	30	40	33
13-Mar-18	NA	49	41	33	41	35
14-Mar-18	NA	49	38	36	52	34
15-Mar-18	NA	51	43	39	51	39
16-Mar-18	NA	54	43	32	39	36
17-Mar-18	NA	39	37	24	33	29
18-Mar-18	NA	37	38	27	32	30
19-Mar-18	NA	38	39	30	34	30
20-Mar-18	NA	52	44	35	39	37
21-Mar-18	NA	50	51	37	59	41
22-Mar-18	NA	50	45	31	45	32
23-Mar-18	NA	47	36	25	36	29
24-Mar-18	NA	44	37	25	39	29
25-Mar-18	NA	41	36	26	42	29
26-Mar-18	NA	38	35	27	39	28
27-Mar-18	NA	37	36	30	38	28
28-Mar-18	NA	42	36	30	50	30
29-Mar-18	NA	41	33	29	40	28
30-Mar-18	NA	40	38	31	39	30
31-Mar-18	NA	40	37	36	43	32
Maximum		103	51	41	59	41
Minimum		37	31	24	32	28
Average		53	38	31	42	33

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations



NH<sub>3</sub> (Continued)

Date/ Stations	Nehru Nagar	Sri aurobindo marg	Najafgarh	Vivek Vihar	Pusa	National Stadium
1-Mar-18	39	11	40	46	44	37
2-Mar-18	42	12	37	55	44	38
3-Mar-18	35	12	34	46	45	35
4-Mar-18	32	9	33	54	42	32
5-Mar-18	31	10	31	44	40	30
6-Mar-18	29	11	30	40	39	28
7-Mar-18	29	13	27	42	40	32
8-Mar-18	32	11	30	47	41	33
9-Mar-18	35	13	35	42	44	36
10-Mar-18	28	12	30	35	41	32
11-Mar-18	30	16	31	36	44	35
12-Mar-18	32	15	33	39	49	35
13-Mar-18	36	15	30	39	46	35
14-Mar-18	37	11	30	39	45	35
15-Mar-18	36	14	35	41	46	38
16-Mar-18	33	17	39	42	39	35
17-Mar-18	29	NA	30	34	33	30
18-Mar-18	30	NA	31	34	34	31
19-Mar-18	34	NA	34	35	36	29
20-Mar-18	41	NA	35	40	41	34
21-Mar-18	44	NA	46	47	50	46
22-Mar-18	39	NA	36	39	38	37
23-Mar-18	27	37	32	34	35	29
24-Mar-18	33	7	36	35	37	30
25-Mar-18	34	6	34	36	37	33
26-Mar-18	32	7	30	35	41	30
27-Mar-18	33	11	27	36	39	29
28-Mar-18	35	57	32	37	39	29
29-Mar-18	32	50	30	35	41	34
30-Mar-18	28	44	27	35	41	56
31-Mar-18	28	52	33	38	38	41
Maximum	44	57	46	55	50	56
Minimum	27	6	27	34	33	28
Average	33	19	33	40	41	34

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NH<sub>3</sub> (Continued)

Date/ Stations	Okhla	Bawana	ANAND VIHAR	MANDIR MARG	PUNJABI BAGH	R.K. PURAM
1-Mar-18	59	48	56	21	53	45
2-Mar-18	59	55	64	22	57	47
3-Mar-18	51	45	56	21	54	46
4-Mar-18	49	42	42	19	46	38
5-Mar-18	41	40	39	19	44	37
6-Mar-18	41	39	39	19	42	34
7-Mar-18	44	39	38	18	41	34
8-Mar-18	50	45	61	17	44	32
9-Mar-18	38	42	56	19	42	34
10-Mar-18	53	37	39	18	39	33
11-Mar-18	53	39	44	21	44	34
12-Mar-18	53	40	48	20	42	34
13-Mar-18	56	43	67	17	42	33
14-Mar-18	54	43	58	15	36	32
15-Mar-18	51	43	66	18	39	34
16-Mar-18	48	43	60	18	41	35
17-Mar-18	40	36	46	16	34	30
18-Mar-18	37	39	NA	16	35	28
19-Mar-18	37	39	NA	14	32	29
20-Mar-18	43	37	60	16	38	31
21-Mar-18	56	50	66	19	39	36
22-Mar-18	45	54	49	19	37	32
23-Mar-18	39	37	39	18	36	29
24-Mar-18	43	36	40	19	37	31
25-Mar-18	43	37	41	20	38	32
26-Mar-18	39	38	38	18	35	30
27-Mar-18	39	39	43	15	35	26
28-Mar-18	43	38	54	14	36	28
29-Mar-18	40	37	45	18	37	30
30-Mar-18	40	33	46	17	39	29
31-Mar-18	42	34	45	18	40	34
Maximum	59	55	67	22	57	47
Minimum	37	33	38	14	32	26
Average	46	41	50	18	40	33

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NH<sub>3</sub> (Continued)

Date/ Stations	JLN Stadium	Dr. Karni Singh Shooting Range	Dwarka	Mundka	Rohini	Wazirpur
1-Mar-18	44	36	50	51	59	40
2-Mar-18	48	36	49	53	66	56
3-Mar-18	44	34	48	48	60	43
4-Mar-18	38	31	36	41	52	39
5-Mar-18	36	29	37	41	46	32
6-Mar-18	35	27	33	34	41	32
7-Mar-18	39	27	36	36	39	32
8-Mar-18	40	31	36	46	58	44
9-Mar-18	45	34	41	50	60	38
10-Mar-18	37	28	36	41	48	34
11-Mar-18	40	29	37	45	44	34
12-Mar-18	43	30	39	45	48	37
13-Mar-18	43	30	35	41	51	36
14-Mar-18	43	28	33	39	65	39
15-Mar-18	47	27	35	45	55	48
16-Mar-18	40	31	45	49	39	41
17-Mar-18	34	27	35	35	37	27
18-Mar-18	34	27	32	35	39	26
19-Mar-18	33	25	35	40	44	30
20-Mar-18	41	29	42	45	52	38
21-Mar-18	52	36	49	64	55	46
22-Mar-18	40	33	44	47	48	39
23-Mar-18	33	26	34	38	41	33
24-Mar-18	35	29	37	36	40	31
25-Mar-18	38	29	37	36	39	31
26-Mar-18	35	28	36	35	36	30
27-Mar-18	37	26	30	32	56	32
28-Mar-18	36	23	41	38	54	42
29-Mar-18	35	26	46	36	38	31
30-Mar-18	34	26	35	37	41	32
31-Mar-18	39	29	39	40	47	36
Maximum	52	36	50	64	66	56
Minimum	33	23	30	32	36	26
Average	39	29	39	42	48	36

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

NH<sub>3</sub> (Continued)

b) NCR

Date/Stations	Noida , Sec-125	Bhiwadi ,RIICO Ind. Area III	Alwar,Moti Doongri	Ghaziabad
1-Mar-18	54	NA	29	52
2-Mar-18	69	24	NA	57
3-Mar-18	56	22	NA	48
4-Mar-18	47	20	NA	42
5-Mar-18	47	NA	25	39
6-Mar-18	43	NA	21	38
7-Mar-18	41	13	23	40
8-Mar-18	56	NA	24	50
9-Mar-18	56	NA	NA	63
10-Mar-18	43	13	NA	61
11-Mar-18	44	13	1	49
12-Mar-18	46	12	6	52
13-Mar-18	49	14	NA	55
14-Mar-18	52	NA	2	53
15-Mar-18	43	14	NA	57
16-Mar-18	48	17	1	50
17-Mar-18	33	NA	NA	43
18-Mar-18	36	10	4	43
19-Mar-18	40	8	5	47
20-Mar-18	55	NA	NA	51
21-Mar-18	66	NA	NA	58
22-Mar-18	48	10	NA	46
23-Mar-18	40	10	NA	45
24-Mar-18	43	NA	NA	46
25-Mar-18	NA	10	NA	45
26-Mar-18	39	10	NA	46
27-Mar-18	40	NA	NA	47
28-Mar-18	58	10	NA	58
29-Mar-18	49	10	5	49
30-Mar-18	46	17	5	47
31-Mar-18	NA	NA	10	48
Maximum	69	24	29	63
Minimum	33	8	1	38
Average	48	14	11	49

Maximum values are reported in RED for all respective stations & Minimum values are reported in GREEN for all respective stations

# Daily Meteorological data Vs. PM<sub>2.5</sub> Profile - March 2018

## PM<sub>2.5</sub> Concentration in Delhi at different Air Quality Monitoring Stations

### with meteorological data

S.No.	Station	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )							
		28 February 18-01 March 2018	(01-02) March 2018	(02-03) March 2018	(03-04) March 2018	(04-05) March 2018	(05-06) March 2018	(06-07) March 2018	(07-08) March 2018
1	IHBAS	102	155	57	79	55	68	68	92
2	DMS	115	121	92	94	63	52	61	158
3	NSIT	144	128	101	81	80	72	87	112
4	ITO	105	133	92	79	63	71	80	97
5	DTU	159	158	127	74	99	103	121	183
6	Sirifort	113	114	101	69	75	70	82	80
7	Anand Vihar	138	194	99	108	81	78	82	192
8	Mandir Marg)	115	133	96	72	72	81	87	100
9	R K puram	129	140	119	80	94	82	98	110
10	Punjabi Bagh	126	140	116	79	88	89	87	130
11	Burari Crossing	118	120	86	84	79	74	82	110
12	CRRM Mathura Road	120	143	97	109	89	97	92	156
13	North Campus	126	176	97	108	93	89	80	131
14	Pusa	67	73	54	49	40	39	43	63
15	Aya Nagar	107	89	69	76	69	53	60	77
16	Lodhi Road	87	84	62	61	49	44	53	71
17	IGI Airport Terminal-3	96	90	73	58	54	49	66	*
<b>Average PM2.5 Conc. (µg/m<sup>3</sup>)</b>		<b>116</b>	<b>129</b> ↑	<b>90</b> ↓	<b>80</b> ↓	<b>73</b> ↓	<b>71</b> ↓	<b>78</b> ↑	<b>116</b> ↑
<b>Meteorological parameters</b>		<b>28 February 18-01 March 2018</b>	<b>(01-02) March 2018</b>	<b>(02-03) March 2018</b>	<b>(03-04) March 2018</b>	<b>(04-05) March 2018</b>	<b>(05-06) March 2018</b>	<b>(06-07) March 2018</b>	<b>(07-08) March 2018</b>
<b>Mixing Height (m)</b>		*	760	674 ↓	793 ↑	885 ↑	940 ↑	921 ↓	842 ↓
<b>Wind Speed (m/s)</b>		0.9	0.6 ↓	0.7 ↑	0.6 ↓	0.8 ↑	1.2 ↑	0.9 ↓	0.6 ↓
<b>Temperature (°C)</b>		24.0	24.4 ↑	25.7 ↑	24.8 ↓	23.3 ↓	22.7 ↓	22.9 ↑	24.3 ↑
<b>Relative Humidity(%)</b>		54.5	53.5 ↓	49.7 ↓	49.8 ↑	52.0 ↑	50.8 ↓	50.1 ↓	47.9 ↓
*Inadequate data/Data not available									
Daily mean values are compared with the previous value									

## PM<sub>2.5</sub> Concentration in Delhi at different Air Quality Monitoring Stations

### with meteorological data

S.No.	Station	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )							
		(08-09) March 2018	(09-10) March 2018	(10-11) March 2018	(11-12) March 2018	(12-13) March 2018	(13-14) March 2018	(14-15) March 2018	(15-16) March 2018
1	IHBAS	120	60	58	75	85	133	129	121
2	DMS	164	57	60	100	87	151	145	123
3	NSIT	132	80	80	110	86	99	127	123
4	ITO	154	71	76	97	87	108	95	105
5	DTU	149	96	103	137	149	151	138	158
6	Sirifort	114	72	79	93	96	85	90	83
7	Anand Vihar	199	74	73	*	*	*	137	182
8	Mandir Marg)	161	79	90	96	81	94	78	99
9	R K puram	152	88	90	129	127	118	120	101
10	Punjabi Bagh	147	85	90	112	112	94	90	113
11	Burari Crossing	134	90	*	78	99	139	166	108
12	CRRM Mathura Road	173	87	90	123	123	170	140	138
13	North Campus	192	116	141	*	126	194	103	77
14	Pusa	95	43	47	57	54	66	64	63
15	Aya Nagar	112	68	59	79	*	*	*	*
16	Lodhi Road	105	56	51	53	68	71	*	*
17	IGI Airport Terminal-3	105	60	57	79	78	63	73	80
<b>Average PM<sub>2.5</sub> Conc. (µg/m<sup>3</sup>)</b>		<b>142</b>	<b>75</b> ↓	<b>78</b> ↑	<b>95</b> ↑	<b>97</b>	<b>116</b> ↑	<b>113</b> ↓	<b>112</b> ↓
<b>Meteorological parameters</b>		<b>(08-09) March 2018</b>	<b>(09-10) March 2018</b>	<b>(10-11) March 2018</b>	<b>(11-12) March 2018</b>	<b>(12-13) March 2018</b>	<b>(13-14) March 2018</b>	<b>(14-15) March 2018</b>	<b>(15-16) March 2018</b>
<b>Mixing Height (m)</b>		688	796 ↑	870 ↑	809 ↓	721	631 ↓	821 ↑	862 ↑
<b>Wind Speed (m/s)</b>		*	*	*	*	2.5	1.9 ↓	2.2 ↑	2.8 ↑
<b>Temperature (°C)</b>		25.3	25.5 ↑	25.4 ↓	26.4 ↑	27.1	28.5 ↑	26.9 ↓	25.9 ↓
<b>Relative Humidity(%)</b>		45.5	43.1 ↓	47.7 ↑	46.3 ↓	47.3	33.3 ↓	39.6 ↑	47.5 ↑
*Inadequate data/Data not available									
Daily mean values are compared with the previous value									

## PM<sub>2.5</sub> Concentration in Delhi at different Air Quality Monitoring Stations

### with meteorological data

S.No.	Station	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )							
		(16-17) March 2018	(17-18) March 2018	(18-19) March 2018	(19-20) March 2018	(20-21) March 2018	(21-22) March 2018	(22-23) March 2018	(23-24) March 2018
1	IHBAS	61	72	60	93	156	56	62	64
2	DMS	72	83	84	110	158	82	53	53
3	NSIT	92	91	84	115	165	105	85	106
4	ITO	64	87	63	90	158	93	58	65
5	DTU	103	163	113	126	128	94	72	89
6	Sirifort	80	82	60	71	106	76	63	85
7	Anand Vihar	76	*	*	*	197	122	66	83
8	Mandir Marg)	81	*	66	76	128	77	59	66
9	R K puram	100	*	90	94	134	77	69	92
10	Punjabi Bagh	83	*	82	95	*	79	57	72
11	Burari Crossing	87	89	82	99	136	90	81	91
12	CRRM Mathura Road	98	127	95	115	167	96	82	89
13	North Campus	51	74	59	72	134	64	107	48
14	Pusa	45	50	43	50	81	50	38	41
15	Aya Nagar	70	67	65	77	120	69	*	*
16	Lodhi Road	*	69	*	*	*	56	44	50
17	IGI Airport Terminal-3	60	63	65	84	105	78	52	57
<b>Average PM<sub>2.5</sub> Conc. (µg/m<sup>3</sup>)</b>		<b>76</b>	<b>86</b> ↑	<b>74</b> ↓	<b>91</b> ↑	<b>138</b> ↑	<b>80</b> ↓	<b>65</b> ↓	<b>72</b> ↑
<b>Meteorological parameters</b>		<b>(16-17) March 2018</b>	<b>(17-18) March 2018</b>	<b>(18-19) March 2018</b>	<b>(19-20) March 2018</b>	<b>(20-21) March 2018</b>	<b>(21-22) March 2018</b>	<b>(22-23) March 2018</b>	<b>(23-24) March 2018</b>
<b>Mixing Height (m)</b>		862	812 ↓	768 ↓	736 ↓	651 ↓	891 ↑	949 ↑	796 ↓
<b>Wind Speed (m/s)</b>		3.8	3.1 ↓	2.8 ↓	2.2 ↓	2.0 ↓	3.1 ↑	3.5 ↑	3.3 ↓
<b>Temperature (°C)</b>		24.9	25.2 ↑	26.6 ↑	27.3 ↑	28.0 ↑	24.8 ↓	24.5 ↓	25.5 ↑
<b>Relative Humidity(%)</b>		41.0	37.6 ↓	34.4 ↓	40.0 ↑	38.2 ↓	55.3 ↑	52.0 ↓	48.2 ↓

\*Inadequate data/Data not available

Daily mean values are compared with the previous value

## PM<sub>2.5</sub> Concentration in Delhi at different Air Quality Monitoring Stations

### with meteorological data

S.No.	Station	PM <sub>2.5</sub> Concentration (µg/m <sup>3</sup> )						
		(24-25) March 2018	(25-26) March 2018	(26-27) March 2018	(27-28) March 2018	(28-29) March 2018	(29-30) March 2018	(30-31) March 2018
1	IHBAS	116	92	106	*	101	91	115
2	DMS	63	68	126	152	77	71	90
3	NSIT	119	105	128	168	*	107	108
4	ITO	84	69	89	98	90	72	97
5	DTU	106	102	205	134	123	113	53
6	Sirifort	92	*	92	82	*	*	127
7	Anand Vihar	*	*	130	198	115	107	*
8	Mandir Marg)	84	81	91	83	83	73	87
9	R K puram	100	98	123	110	90	102	103
10	Punjabi Bagh	93	83	116	111	92	88	100
11	Burari Crossing	91	94	117	123	*	*	*
12	CRRI Mathura Road	115	105	129	129	103	97	117
13	North Campus	50	45	85	203	103	120	125
14	Pusa	50	44	57	61	172	279	*
15	Aya Nagar	*	*	*	*	54	48	60
16	Lodhi Road	56	51	63	76	56	56	66
17	IGI Airport Terminal-3	60	*	*	78	*	*	*
<b>Average PM<sub>2.5</sub> Conc. (µg/m<sup>3</sup>)</b>		<b>85</b>	<b>80</b> ↓	<b>110</b> ↑	<b>120</b> ↑	<b>97</b> ↓	<b>102</b> ↑	<b>96</b> ↓
<b>Meteorological parameters</b>	<b>(24-25) March 2018</b>	<b>(25-26) March 2018</b>	<b>(26-27) March 2018</b>	<b>(27-28) March 2018</b>	<b>(28-29) March 2018</b>	<b>(29-30) March 2018</b>	<b>(30-31) March 2018</b>	
<b>Mixing Height (m)</b>	896	723 ↓	634 ↓	510 ↓	788 ↑	831 ↑	832 ↑	
<b>Wind Speed (m/s)</b>	3.6	3.8 ↑	2.6 ↓	2.3 ↓	3.8 ↑	3.4 ↓	3.1 ↓	
<b>Temperature (°C)</b>	26.5	27.3 ↑	28.6 ↑	30.5 ↑	29.5 ↓	29.8 ↑	27.6 ↓	
<b>Relative Humidity(%)</b>	47.4	43.4 ↓	35.8 ↓	30.5 ↓	34.8 ↑	34.1 ↓	39.0 ↑	

\*Inadequate data/Data not available

Daily mean values are compared with the previous value



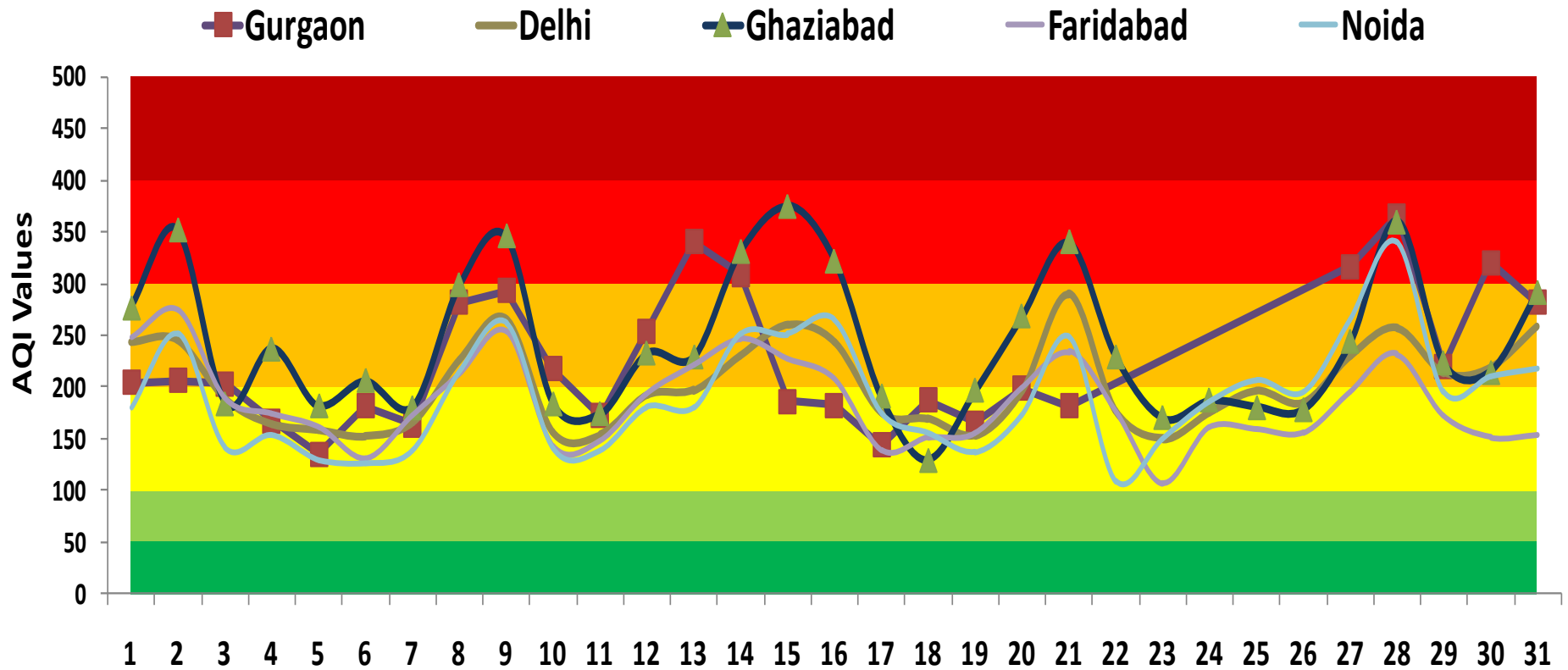
## Daily AQI values of Delhi-NCR (March, 2018)

Dates/ Cities	Delhi	Gurgaon	Ghaziabad	Faridabad	Noida	Alwar	Bhiwadi
1-Mar-18	243	204	277	248	180	165	324
2-Mar-18	245	206	352	275	251	*	200
3-Mar-18	188	203	184	189	142	*	184
4-Mar-18	165	167	237	174	154	120	226
5-Mar-18	159	135	182	161	130	110	207
6-Mar-18	153	182	206	131	126	97	212
7-Mar-18	166	164	181	173	138	122	260
8-Mar-18	226	282	299	212	214	106	288
9-Mar-18	266	293	346	253	262	*	275
10-Mar-18	157	217	184	143	140	*	242
11-Mar-18	154	172	174	148	138	79	205
12-Mar-18	192	254	233	194	180	84	244
13-Mar-18	197	340	229	221	180	90	346
14-Mar-18	231	309	331	247	252	136	289
15-Mar-18	260	186	375	228	251	78	279
16-Mar-18	244	183	322	208	265	78	379
17-Mar-18	175	144	191	139	175	74	258
18-Mar-18	169	187	130	151	156	*	*
19-Mar-18	153	166	197	155	137	*	373
20-Mar-18	197	199	268	199	173	*	*
21-Mar-18	290	182	340	234	248	*	*
22-Mar-18	178	*	230	177	109	*	*
23-Mar-18	150	*	170	107	150	*	*
24-Mar-18	176	*	187	161	185	*	*
25-Mar-18	197	*	181	159	207	*	304
26-Mar-18	185	*	178	156	195	*	*
27-Mar-18	231	317	244	196	266	*	*
28-Mar-18	257	366	360	232	340	*	351
29-Mar-18	214	220	223	172	196	*	334
30-Mar-18	218	320	215	151	210	218	*
31-Mar-18	258	282	291	154	218	99	387
Max	290	366	375	275	340	218	387
Min	150	135	130	107	109	74	184
Average	203	226	242	185	193	110	280

Good	Satisfactory	Moderate	Poor	Very Poor	Severe
(0-50)	(51-100)	(101-200)	(201-300)	(301-400)	(>401)

# AQI Trend Delhi-NCR, March 2018

Good	Satisfactory	Moderate	Poor	Very Poor	Severe
(0-50)	(51-100)	(101-200)	(201-300)	(301-400)	(>401)



## Data Analysis of Ambient Air Quality:

- Particulate Matter (PM<sub>2.5</sub>/ PM<sub>10</sub>): The values of Particulate Matter exceeded the permissible limits in all stations across Delhi-NCR as per NAAQS 2009 except at Alwar and Pusa where PM<sub>2.5</sub> was recorded below the standard. PM<sub>10</sub> is reflecting exceedingly high values at all stations across Delhi-NCR as shown below:

<b>PM<sub>10</sub></b> (Maximum 24 hours average permissible limit as per NAAQS 2009 is 100 µg/m <sup>3</sup> )	
<b>Maximum 24 hr Concentration in µg/m<sup>3</sup></b>	<b>Stations/ Location in Delhi-NCR</b>
<b>Below 300</b>	Income Tax Office, Patparganj, Sri aurobindo marg, Burari Crossing, Pusa-IMD, Aya Nagar, Lodhi Road, IGI Airport Terminal-3, MandirMarg
<b>Between 300-500</b>	Alipur, DCE, Shadipur, IHBAS, NSIT, Dwarka, Sirifort, R. K. Puram, Punjabi Bagh, Alipur, Jahangir Puri, Narela, Sonia Vihar, Ashok Vihar, Nehru Nagar, Najafgarh, Vivek Vihar, National Stadium, JLN Stadium, Dr. Karni Singh Shooting Range, Dwarka, Rohini, Wazirpur, CRRI Mathura Road, Okhla, North Campus, Pusa-DPCC, <b>Noida Sector-62, Noida Sector-125, Ghaziabad, Gurugram, Faridabad, Alwar, Bhiwadi</b>
<b>Above 500</b>	Anand Vihar, Mundka, Bawana

<b>PM<sub>2.5</sub></b> (Maximum 24 hours average permissible limit as per NAAQS 2009 is 60 µg/m <sup>3</sup> )	
<b>Maximum 24 hr Concentration in µg/m<sup>3</sup></b>	<b>Stations/ Location in Delhi-NCR</b>
<b>Below 100</b>	Pusa-IMD and Lodhi Road
<b>Between 100-200</b>	Income Tax Office, DCE, Shadipur, IHBAS, NSIT Dwarka, Sirifort, MandirMarg, R. K. Puram, Punjabi Bagh, Sonia Vihar, Patparganj, Ashok Vihar, Nehru Nagar, Sri aurobindo marg, Najafgarh, National Stadium, JLN Stadium, Okhla, Dr. Karni Singh Shooting Range, Mundka, Rohini, Wazirpur, Burari Crossing, CRRI Mathura Road, North Campus, Pusa-DPCC, Aya Nagar, IGI Airport Terminal-3, <b>Noida Sector-62, Noida Sector-125, Gurugram, Faridabad and Alwar</b>
<b>Between 200-300</b>	Dwarka, Bawana, AnandVihar, North Campus, Alipur, Jahangir Puri, Narela, Dwarka and <b>Bhiwadi</b>
<b>Above 300</b>	Vivek Vihar and <b>Ghaziabad</b>

- Nitrogen Dioxide (NO<sub>2</sub>): Exceeded the permissible limits at 20 out of 44 Stations in Delhi-NCR. Maximum exceedence recorded at Pusa (30 days) and lowest recorded at Sirifort and IHBAS where exceedence recorded once only. The exceedence of 20 stations is as tabulated below:

<b>NO<sub>2</sub> (Maximum 24 hours average permissible limit as per NAAQS 2009 is 80 µg/m<sup>3</sup>)</b>	
<b>Maximum 24 hr Concentration in µg/m<sup>3</sup></b>	<b>Stations/ Location in Delhi-NCR</b>
<b>Below 100</b>	Income Tax Office, Shadipur , IHBAS, Sirifort, MandirMarg, Ashok Vihar, Jahangir Puri, Nehru Nagar, Sri aurobindo marg, JLN Stadium, Dr. Karni Singh Shooting Range, Okhla and <b>Ghaziabad</b>
<b>Above 100</b>	Pusa(DPCC), National Stadium, R. K. Puram, Punjabi Bagh, Wazirpur, AnandVihar and <b>Bhiwadi</b>

- Benzene: Standard for this parameter is defined annually in NAAQS 2009, therefore it's exceedence cannot be determined based on 24 hr or monthly data, but slightly high values were recorded at R K Puram and Anand Vihar for 14 days where as DMS and NSIT showed exceedence once only.
- Sulphur Dioxide (SO<sub>2</sub>): Recorded within permissible limit in all stations across Delhi – NCR as per NAAQS 2009 standards except exceedence recorded at Wazirpur (5 days) and Bhiwadi (2 days) in the month.
- Ammonia: Observed within the permissible limits in all stations across Delhi-NCR as per NAAQS 2009 Standard.
- Carbon Monoxide (CO): Exceeded the permissible limits of 8 hourly at two Stations Lodhi Road and Pusa only in Delhi- NCR.
- Ozone (O<sub>3</sub>): The values of O<sub>3</sub> were recorded within permissible limit in March except at 5 stations [ Pusa (5 days), Sarita Vihar (5days), Punjabi Bagh (3 days), Pratap Ganj (1 day) and Burari Crossing (2 days)]. Hence, the ozone concentration is within permissible limit in Delhi-NCR.

## Concentration range of Ambient Air Quality Parameters of Delhi-NCR

The concentration ranges for pollutants having 24 hourly standard limits are presented in Table-1 based on detailed tabulated data at **Page 02—50**.

Table-1 Range of 24-hourly Averages for All Standard Parameters in March 2018 Delhi-NCR														
Parameters/Land-Use Pattern	Delhi		Faridabad		Ghaziabad		Gurgaon		Noida		Bhiwadi		Alwar	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
PM <sub>2.5</sub> (µg/m <sup>3</sup> )	31	340	54	194	66	460	48	197	30	157	96	234	30	111
PM <sub>10</sub> (µg/m <sup>3</sup> )	91	748	*	*	177	480	*	*	74	456	184	455	54	448
SO <sub>2</sub> (µg/m <sup>3</sup> )	3	113	7	25	27	68	9	23	21	45	24	95	4	23
NO <sub>2</sub> (µg/m <sup>3</sup> )	3	180	37	64	42	94	23	26	12	79	10	101	6	54
NH <sub>3</sub> (µg/m <sup>3</sup> )	6	121	*	*	38	63	*	*	33	69	8	24	1	29
<b>Note: ‘*’ indicate Insufficient data or parameter not measured</b>														
<b>CO, Ozone and Benzene not included as there is no 24 hourly permissible limits in NAAQS</b>														

## Air Quality Index

Daily City wise AQI values for Delhi-NCR for the month of March is presented in Table-1. AQI of Delhi was found largely lying between moderate to poor category. However, Ghaziabad & Bhiwadi has recorded 7 & 8 very poor days respectively. In other areas, majority of the days were in Moderate to poor category. The AQI values categorization are presented in Table-2 based on detailed tabulated data and graphical variation at **Page 55—56**.

Table-2 AQI Values of Delhi-NCR for the month of March 2018								
AQI Categories	Range	Delhi	Faridabad	Ghaziabad	Gurgaon	Noida	Bhiwadi	Alwar
Good	(0–50)	*	*	*	*	*	*	*
Satisfactory	(51–100)	*	*	*	*	*	*	8
Moderate	(101–200)	18	21	12	12	19	1	6
Poor	(201–300)	13	10	12	9	11	13	1
Very Poor	(301–400)	*	*	7	5	1	8	*
Severe	(>401)	*	*	*	*	*	*	*

## Meteorological Parameters

Monthly average mixing height was 790 meters. The range for daily average mixing height was observed from 501 meters to 949 meters. Daily average wind speed was observed 0.6 m/s – 3.8 m/s. Monthly average temperature was 26.1 °C with minimum daily average as 22.7°C and maximum as 30.5°C recorded. Monthly average relative humidity was 44.2% with maximum daily average as 55.3 % and minimum as 30.5% recorded. Prominent wind direction in March 2018 was North- west.

Range of Monthly Average for Metrological Parameters in Delhi, March 2018		
Parameters(Unit)	MAX	MIN
Mixing Height (m)	949	510
Wind Speed(m/s)	3.8	0.6
Temperature(°C)	30.5	22.7
Relative Humidity (%)	55.3	30.5

## Recommendations:

For prevention, control and abatement of air pollution and improvement of Ambient Air Quality in Delhi and NCR, six major areas defined as under:

- A) Control of Vehicular Emissions;
- B) Control of Road Dust/Re-suspension of dust and other fugitive emission;
- C) Control of Air Pollution from Bio-Mass Burning;
- D) Control of Industrial Air Pollution;
- E) Control of Air Pollution from Construction and Demolition Activities; and
- F) Other Steps to control Air Pollution.

Detailed action required for defined areas are as under:

### A) Control of Vehicular Emissions

1. Launch extensive awareness drive against polluting vehicles;
2. Ensure Strict action against visibly polluting vehicles;
3. Install weigh in motion bridges at Delhi borders to prevent overloading;
4. Take steps to prevent parking of vehicles in the non-designated areas;
5. Introduce early alarm system for benefit of commuters related to traffic congestion on major routes for route diversion;
6. Consider introducing plan for Flexi/staggered timings to minimize peak movement of vehicles on the road;
7. De-congest pathways;
8. Synchronize traffic movements / introduce intelligent traffic systems for lane-driving;
9. Install vapour recovery system in fuelling stations

10. Take steps for installation of remote sensor based PUC system etc.;
11. Strengthening of public transport on CNG mode;
12. Undertake road widening and improvement of infrastructure for decongestion of road and
13. Take steps to expedite early completion of Western and Eastern peripheral expressway and submit completion schedule.

**B) Control of Road Dust/Re-suspension of dust and other fugitive emission:**

1. Formulate action plan for creation of green buffers along the traffic corridors;
2. Introduce wet/mechanized vacuum sweeping of roads;
3. Maintain pot holes' free roads for free-flow of traffic to reduce emissions and dust;
4. Introduce water fountains at major traffic intersection, wherever feasible;
5. Undertake greening of open areas, gardens, community places, schools and housing societies; and
6. Take steps for blacktopping / pavement of road shoulders to avoid road dust.

**C) Control of Air Pollution from Bio-Mass Burning:**

1. Take stringent action against open burning of bio-mass/leaves/tyres etc. to control such activities;
2. Ensure proper collection of horticulture waste (bio-mass) and composting-cum-gardening approach; and
3. Ensure strict enforcement of ban on burning of agriculture waste and crop residues;
4. Prohibit use of coal in hotels and restaurants for cooking in Delhi

**D) Control of Industrial Air Pollution**

1. Ensure strict action against unauthorized brick kilns;
2. Ensure strict action against industrial units not complying with standards;
3. Enforce strict compliance of conversion brick kilns on zig zag technology; and
4. Launch action plan for switching over to natural gas by industries, wherever feasible;

**E) Control of Air Pollution from Construction and Demolition Activities:**

1. Control dust pollution at construction sites through appropriate cover;
2. Undertake control measures for fugitive emissions from material handling, conveying and screening operations through water sprinkling, curtains, barriers and dust suppression units; and
3. Ensure carriage of construction material in closed/covered vessels;

**F) Other Steps to control Air Pollution**

1. Set-up helpline in States/UT for taking action against reported non-compliance;
2. Evolve a system of reporting of garbage/municipal solid waste burning through mobile based applications and other social media platform linked with Central and State Level Control Rooms;
3. Establish Standard Operating procedure to provide quick and effective response to complaints;
4. Ensure DG sets meeting the standards only be allowed to operate;
5. Promote use of LPG instead of coal in restaurants / dhabas / road side eateries;

- **Particulates (PM<sub>2.5</sub>/PM<sub>10</sub>) are the main issue of concern, necessary steps to control dust emission from roads, construction activity, traffic and industries may be strictly adopted.**
- **Higher CO levels at some stations invites intervention at local level for better traffic management which in turn may give positive impact on NO<sub>2</sub> levels also.**

## NATIONAL AMBIENT AIR QUALITY STANDARD (2009)

Pollutant	Time Weighted Average	Concentration in Ambient Air		
		Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Government)	Methods of Measurement
SO <sub>2</sub> , µg/m <sup>3</sup>	Annual*	50	20	<ul style="list-style-type: none"> <li>Improved West and Gaeke</li> <li>Ultraviolet fluorescence</li> </ul>
	24 hours**	80	80	
NO <sub>2</sub> , µg/m <sup>3</sup>	Annual*	40	30	<ul style="list-style-type: none"> <li>Modified Jacob &amp; Hochheiser (Na-Arsenite)</li> <li>Chemiluminescence</li> </ul>
	24 hours**	80	80	
PM <sub>10</sub> , µg/m <sup>3</sup>	Annual*	60	60	<ul style="list-style-type: none"> <li>Gravimetric</li> <li>TOEM</li> <li>Beta attenuation</li> </ul>
	24 hours**	100	100	
PM <sub>2.5</sub> , µg/m <sup>3</sup>	Annual*	40	40	<ul style="list-style-type: none"> <li>Gravimetric</li> <li>TOEM -----</li> <li>Beta attenuation</li> </ul>
	24 hours**	60	60	
O <sub>3</sub> , µg/m <sup>3</sup>	8 hours**	100	100	<ul style="list-style-type: none"> <li>UV photometric</li> <li>Chemiluminescence</li> <li>Chemical Method</li> </ul>
	1 hour**	180	180	
Lead (Pb), µg/m <sup>3</sup>	Annual*	0.50	0.50	<ul style="list-style-type: none"> <li>AAS/ICP method after sampling on EMP 2000 or equivalent filter paper</li> <li>ED-XRF using Teflon filter</li> </ul>
	24 hours**	1	1	
CO, mg/m <sup>3</sup>	8 hours**	2	2	<ul style="list-style-type: none"> <li>Non Dispersive Infra Red (NDIR) spectroscopy</li> </ul>
	1 hour**	4	4	
Ammonia (NH <sub>3</sub> ) µg/m <sup>3</sup>	Annual*	100	100	<ul style="list-style-type: none"> <li>Chemiluminescence</li> <li>Indophenol blue method</li> </ul>
	24 hours**	400	400	
Benzene	Annual*	5	5	<ul style="list-style-type: none"> <li>Gas chromatography based on continuous analyzer</li> <li>Adsorption and Desorption followed by GC analysis</li> </ul>
Benzopyrene (BaP) - particulate phase only, ng/m <sup>3</sup>	Annual*	1	1	<ul style="list-style-type: none"> <li>Solvent extraction followed by HPLC/GC analysis</li> </ul>
Arsenic (As), ng/m <sup>3</sup>	Annual*	6	6	<ul style="list-style-type: none"> <li>AAS/ICP method after sampling on EMP 2000 or equivalent filter paper</li> </ul>
Nickel (Ni), ng/m <sup>3</sup>	Annual*	20	20	<ul style="list-style-type: none"> <li>AAS/ICP method after sampling on EMP 2000 or equivalent filter paper</li> </ul>

\* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.  
\*\* 24 hourly or 8 hourly or 1 hourly monitored values, as applicable, shall be compiled with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.  
**Note** - Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.



**Delhi CAAQM Stations**

S. No.	State	Stations	(CPCB/SPCBs)	Parameters Monitored
1.	Delhi	Income Tax Office	CPCB Delhi	NO2, PM2.5, NH3
		DCE	CPCB Delhi	NO2, PM2.5, NH3
		Shadipur	CPCB Delhi (O&M)	SO2, NO2, PM2.5, CO, O3, Benzene
		IHBAS	CPCB Delhi (O&M)	SO2, NO2, PM2.5, NH3, CO
		NSIT Dwarka	CPCB Delhi (O&M)	SO2, NO2, PM2.5, CO, O3
		Sirifort	CPCB Delhi	NO2, PM2.5, NH3
		MandirMarg	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		AnandVihar	DPCC Delhi	PM10, SO2, NO2, PM2.5, O3, Benzene
		R. K. Puram	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Punjabi Bagh	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Alipur	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Jahangir puri	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Narela	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Sonia Vihar	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Patparganj	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Ashok Vihar	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Nehru Nagar	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Sri aurobindo marg	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
Najafgarh	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene		
Vivek Vihar	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene		

S. No.	State	Stations	(CPCB/SPCBs)	Parameters Monitored
2.	Delhi	National Stadium	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		JLN Stadium	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Dr. Karni Singh Shooting Range	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Dwarka	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Mundka	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Rohini	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Wazirpur	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Okhla	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Bawana	DPCC Delhi	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Burari Crossing	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10
		CRRM Mathura Road	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10
		North Campus	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10, Benzene
		Pusa	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10
		Aya Nagar	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10
		Lodhi Road	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10
IGI Airport Terminal-3	SAFAR/IMD Delhi	NO2, CO, O3, PM2.5, PM10		

**Delhi-NCR CAAQM Stations**

S. No.	States	Cities	Stations	(CPCB/SPCBs)	Parameters Monitored
1.	Uttar Pradesh	Noida	Sector-62	IMD	PM10, NO2, PM2.5, CO, O3
			Sector-125	UPPCB	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Ghaziabad	Vasundhara	UPPCB	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
2.	Harayana	Gurugram	VikasSadan	HPPCB	SO2, NO2, PM2.5, CO, O3, Benzene
		Faridabad	Sector-16 A	HPPCB	SO2, NO2, PM2.5, NH3, CO, O3, Benzene
3.	Rajasthan	Alwar	Moti Dungri	RSPCB	PM10, SO2, NO2, PM2.5, NH3, CO, O3, Benzene
		Bhiwadi	RICO Industrial Area III	RSPCB	PM10, SO2, NO2, PM2.5, NH3, CO, O3 Benzene