



KARNATAKA STATE POLLUTION CONTROL BOARD

No.49, Parisara Bhavan, Church Street, Bengaluru-560 001.

Air Quality Monitoring Cell

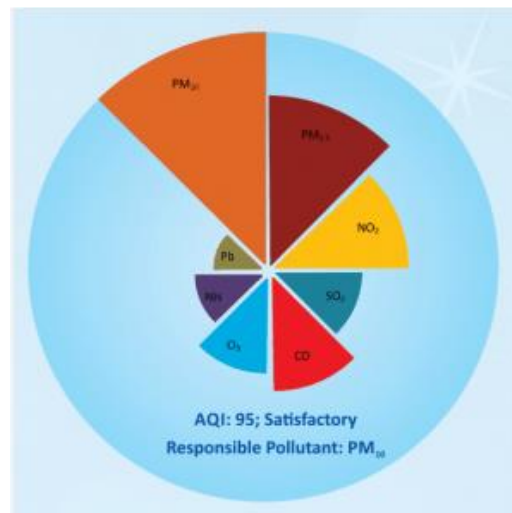
Air Quality Index of CAAQM Stations monitored in Bengaluru city-April-2023 •

Air Quality Index-(AQI)

Air Quality Index is a tool for effective communication of air quality status to people in terms, which are easy to understand. It transforms complex air quality data of various pollutants into a single number (index value), nomenclature and colour.

There are six AQI categories, namely Good, Satisfactory, Moderate, Poor, Very Poor, and Severe. Each of these categories is decided based on ambient concentration values of air pollutants and their likely health impacts (known as health breakpoints). AQ sub-index and health breakpoints are evolved for eight pollutants (PM₁₀, PM_{2.5}, NO₂, SO₂, CO, O₃, NH₃, and Pb) for which short-term (upto 24-hours) National Ambient Air Quality Standards are prescribed.

Based on the measured ambient concentrations of a pollutant, sub-index is calculated, which is a linear function of concentration (e.g. the sub-index for PM_{2.5} will be 51 at concentration 31 µg/m³, 100 at concentration 60 µg/m³, and 75 at concentration of 45(µg/m³). The worst sub-index determines the overall AQI. AQI categories and health breakpoints for the eight pollutants are as follow:



The Karnataka State Pollution Control Board has installed 7 Continuous Ambient Air Quality Monitoring Stations (CAAQMs) covering Residential, Commercial, Industrial and Silence Zones. The Air Quality is being monitored round the clock, 24 hours a day for the Primary and secondary pollutants as well as Meteorological parameters. The Air Quality monitored during the month of April-2023 is as shown below:

Daily AQI Values of Bengaluru (April-2023)

Date	City Railway Station, Majestic	Nisarga Bhavan, Saneguruvanahalli	Veterinary College, Hebbal	Shalini Ground, Jayanagar	KAVIKA, Mysore Road	NIMHANS	H.S.R Layout, Near Central Silkboard
01-04-2023	64	50	71	89	71	66	85
02-04-2023	79	46	62	79	65	62	77
03-04-2023	61	57	82	88	98	78	76
04-04-2023	68	52	58	45	55	47	80
05-04-2023	61	58	80	88	101	72	103
06-04-2023	68	54	93	77	77	69	85
07-04-2023	71	48	100	89	82	74	99
08-04-2023	69	53	75	84	80	66	73
09-04-2023	80	57	70	78	69	59	68
10-04-2023	72	56	65	75	65	55	62
11-04-2023	73	49	82	86	74	70	77
12-04-2023	89	47	96	105	91	89	96
13-04-2023	107	54	98	113	98	105	117
14-04-2023	80	52	111	130	81	110	122
15-04-2023	107	59	96	139	106	93	87
16-04-2023	82	58	106	152	101	105	114
17-04-2023	85	58	106	133	93	96	96
18-04-2023	91	57	108	143	87	95	100
19-04-2023	92	59	103	126	88	102	96
20-04-2023	80	61	91	99	90	86	93
21-04-2023	65	53	83	109	99	80	82
22-04-2023	84	48	64	106	78	70	79
23-04-2023	63	55	63	102	65	61	73
24-04-2023	67	52	64	103	51	65	62
25-04-2023	71	49	62	49	46	54	53
26-04-2023	78	63	54	85	59	56	59
27-04-2023	67	61	82	117	75	69	72
28-04-2023	88	59	63	109	56	53	69
29-04-2023	52	40	52	93	62	67	84
30-04-2023	52	51	64	74	46	34	*
Min	52	40	52	45	46	34	53
Max	107	63	111	152	106	110	122

* Data Not available

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

City Railway Station, Majestic-April-2023					
Date	NO ₂ ug/m ³	SO ₂ ug/m ³	CO mg/m ³	PM ₁₀ ug/m ³	AQI
01-04-2023	26.4	19.7	1.13	64.1	64
02-04-2023	26.6	19.6	0.86	79.0	79
03-04-2023	26.6	19.7	0.88	60.6	61
04-04-2023	26.5	19.6	0.87	67.6	68
05-04-2023	26.5	19.6	0.86	61.0	61
06-04-2023	26.7	19.5	0.91	68.4	68
07-04-2023	25.9	19.6	0.86	70.8	71
08-04-2023	26.6	19.6	0.87	69.2	69
09-04-2023	26.8	19.6	0.91	79.5	80
10-04-2023	26.2	19.7	0.98	71.9	72
11-04-2023	26.7	19.5	0.99	72.8	73
12-04-2023	26.7	19.7	0.97	88.7	89
13-04-2023	31.6	15.4	0.96	110.7	107
14-04-2023	32.1	15.5	0.93	80.3	80
15-04-2023	33.7	15.1	0.94	111.1	107
16-04-2023	31.8	15.8	1.00	82.4	82
17-04-2023	32.5	15.4	0.87	84.7	85
18-04-2023	31.7	15.5	1.31	90.9	91
19-04-2023	31.1	15.3	1.15	91.7	92
20-04-2023	31.4	18.6	1.24	79.7	80
21-04-2023	31.3	18.9	0.96	65.7	65
22-04-2023	31.4	18.2	0.93	83.5	84
23-04-2023	30.1	18.6	1.18	63.0	63
24-04-2023	30.7	18.7	1.01	66.6	67
25-04-2023	31.8	18.6	1.07	71.3	71
26-04-2023	32.2	17.6	1.00	78.1	78
27-04-2023	32.1	18.3	1.18	66.7	67
28-04-2023	32.1	18.3	1.19	88.0	88
29-04-2023	31.0	18.4	0.97	52.4	52
30-04-2023	31.0	18.4	0.97	52.4	52
Minimum	25.9	15.1	0.86	52.4	*
Maximum	33.7	19.7	1.31	111.1	*
Average	29.6	18.2	1.00	75.8	*

Nisarga Bhavan, Saneguruvanahalli-April-2023										
Date	NO ₂ ug/m ³	SO ₂ ug/m ³	CO mg/m ³	PM ₁₀ ug/m ³	TEMP degreeC	HR %	WS m/s	WD degree	SR W/m2	AQI
01-04-2023	19.3	4.1	0.88	50.0	29.41	50.12	0.65	170.27	136.66	50
02-04-2023	19.7	3.8	0.85	45.9	29.28	55.41	0.56	186.66	150.94	46
03-04-2023	20.7	4.0	0.86	56.5	28.62	62.75	0.84	155.96	145.41	57
04-04-2023	20.3	5.0	0.86	51.8	27.99	69.29	1.10	172.11	147.13	52
05-04-2023	22.4	3.6	0.90	57.6	29.35	50.78	0.84	187.94	151.80	58
06-04-2023	21.8	4.6	0.81	54.2	28.55	56.44	1.12	137.54	192.94	54
07-04-2023	16.9	4.9	0.75	48.0	29.08	51.22	1.09	131.02	178.89	48
08-04-2023	20.5	5.7	0.85	53.0	29.17	46.48	0.75	156.45	146.69	53
09-04-2023	19.9	3.9	0.83	56.6	29.06	49.87	0.84	160.12	185.32	57
10-04-2023	23.0	3.9	0.81	55.5	29.18	52.11	0.96	163.64	88.20	56
11-04-2023	21.7	3.5	0.79	49.0	29.65	36.51	0.75	152.34	108.54	49
12-04-2023	23.7	4.4	0.82	47.4	29.95	28.95	0.56	164.91	224.04	47
13-04-2023	23.4	3.3	0.55	53.6	30.53	25.38	0.74	136.97	186.02	54
14-04-2023	21.4	5.1	0.52	52.4	30.33	26.20	0.77	157.59	216.16	52
15-04-2023	21.0	4.0	0.50	59.3	29.66	32.22	0.71	231.85	209.91	59
16-04-2023	20.7	4.7	0.44	57.6	30.16	26.77	0.67	167.73	210.97	58
17-04-2023	23.4	4.3	0.54	58.4	29.91	35.36	0.80	134.53	307.44	58
18-04-2023	22.7	6.0	0.51	57.2	30.37	32.18	0.91	136.17	209.81	57
19-04-2023	23.9	6.3	0.48	58.7	30.12	41.54	0.87	150.20	190.51	59
20-04-2023	21.0	5.7	0.47	60.7	29.81	53.65	0.83	148.96	206.68	61
21-04-2023	20.5	6.3	0.47	53.4	28.90	60.36	0.85	200.00	217.43	53
22-04-2023	19.7	6.1	0.46	48.0	29.13	56.77	0.93	238.98	199.33	48
23-04-2023	18.8	6.6	0.47	54.8	29.60	52.45	1.09	193.53	224.61	55
24-04-2023	20.6	4.6	0.44	52.2	29.44	57.95	1.45	122.97	320.23	52
25-04-2023	20.0	4.4	0.44	49.2	29.04	59.55	1.57	126.32	211.81	49
26-04-2023	20.4	4.0	0.59	62.6	29.13	56.64	1.22	140.29	209.27	63
27-04-2023	19.9	4.2	0.43	60.9	29.08	56.32	1.50	129.58	207.88	61
28-04-2023	20.6	2.6	0.44	58.5	25.87	66.42	1.18	157.13	295.60	59
29-04-2023	19.8	4.5	0.53	39.6	26.45	75.39	1.14	192.01	180.67	40
30-04-2023	18.4	3.7	0.44	50.6	28.27	71.21	1.67	129.04	202.46	51
Minimum	16.9	2.6	0.43	39.6	25.87	25.38	0.56	122.97	88.20	*
Maximum	23.9	6.6	0.90	62.6	30.53	75.39	1.67	238.98	320.23	*
Average	20.9	4.6	0.62	53.8	29.17	49.88	0.96	161.09	195.44	*

Veterinary College, Hebbal-April-2023														
Date	CO (mg/m ³)	Ozone (ug/m ³)	NO ₂ (ug/m ³)	NH ₃ (ug/m ³)	SO ₂ (ug/m ³)	PM _{2.5} (ug/m ³)	PM ₁₀ (ug/m ³)	BEN. (ug/m ³)	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mm Hg)	AQI
01-04-2023	0.34	20.4	18.2	9.7	10.5	29.1	70.9	0.1	27.8	53	0.9	143	708	71
02-04-2023	0.40	19.3	14.7	8.6	10.2	25.4	62.3	0.1	27.6	57	0.9	144	708	62
03-04-2023	0.39	18.4	18.0	8.6	10.2	30.7	82.4	0.1	27.4	58	0.9	141	708	82
04-04-2023	0.44	17.3	17.7	7.3	10.3	29.7	57.5	0.1	25.5	66	1.0	145	710	58

05-04-2023	0.39	23.6	26.1	7.8	10.3	34.7	80.3	0.1	27.3	57	0.8	116	708	80
06-04-2023	0.40	26.7	24.7	9.5	10.6	37.0	92.7	0.1	26.6	61	0.9	139	709	93
07-04-2023	0.37	27.6	28.7	12.1	11.2	43.7	99.5	0.1	27.3	56	1.1	133	710	100
08-04-2023	0.39	20.1	27.2	7.9	11.3	31.1	75.3	0.1	27.5	50	1.1	116	711	75
09-04-2023	0.33	19.1	23.7	7.3	11.2	29.4	70.3	0.1	27.2	53	1.0	113	711	70
10-04-2023	0.38	17.3	27.6	6.5	11.2	26.9	64.8	0.1	27.4	55	1.1	114	710	65
11-04-2023	0.36	24.6	34.7	5.7	11.0	34.5	81.7	0.1	27.1	48	0.9	110	711	82
12-04-2023	0.37	26.5	44.8	6.5	11.3	39.5	95.9	0.1	28.8	36	0.9	112	710	96
13-04-2023	0.44	27.9	30.5	4.5	11.2	40.2	97.9	0.1	29.0	36	0.9	105	710	98
14-04-2023	0.38	43.1	3.7	1.3	11.0	47.9	116.0	0.1	29.0	36	0.6	115	710	111
15-04-2023	0.35	31.7	3.7	1.2	10.6	45.0	96.3	0.1	27.8	38	0.3	115	710	96
16-04-2023	0.37	24.5	3.8	0.6	10.7	53.5	108.3	0.1	28.6	35	0.3	106	708	106
17-04-2023	0.46	44.8	3.7	1.3	11.1	49.3	108.3	0.1	28.6	40	0.3	119	709	106
18-04-2023	0.73	41.9	41.2	4.4	9.0	50.5	112.5	0.2	29.0	39	0.7	115	711	108
19-04-2023	0.37	49.1	64.5	10.2	8.8	49.5	104.9	0.1	29.2	43	0.6	123	710	103
20-04-2023	0.37	51.2	35.2	9.8	11.5	54.2	90.7	0.1	28.5	54	0.3	140	706	91
21-04-2023	0.41	39.8	27.6	9.7	12.0	44.6	82.5	0.1	26.6	62	0.3	148	707	83
22-04-2023	0.31	34.2	26.7	10.7	10.4	38.3	59.4	0.1	26.8	63	0.4	117	708	64
23-04-2023	0.33	29.9	20.8	10.7	13.0	37.9	63.4	0.1	28.3	54	0.8	136	706	63
24-04-2023	0.37	43.3	31.1	13.6	11.0	37.1	64.3	0.1	28.1	60	0.8	134	707	64
25-04-2023	2.17	25.7	32.9	12.8	10.4	30.1	62.3	0.1	27.7	61	0.6	135	702	62
26-04-2023	0.28	17.6	25.4	10.2	10.8	30.3	53.8	0.1	25.6	63	0.5	136	689	54
27-04-2023	0.34	29.6	32.1	13.5	13.1	50.1	82.3	0.1	28.2	58	0.4	129	708	82
28-04-2023	0.37	30.4	27.2	12.9	14.1	39.7	62.9	0.1	27.7	60	0.3	132	709	63
29-04-2023	0.28	30.9	30.9	15.2	10.2	30.4	51.5	0.1	26.1	65	0.7	126	708	52
30-04-2023	0.32	18.8	23.5	15.8	12.8	38.3	50.7	0.0	26.6	65	0.9	129	707	64
Average	0.44	29.2	25.7	8.5	11.0	38.6	80.0	0.1	27.6	53	0.7	126	708	*
Minimum	0.28	17.3	3.7	0.6	8.8	25.4	50.7	0.0	25.5	35	0.3	105	689	*
Maximum	2.17	51.2	64.5	15.8	14.1	54.2	116.0	0.2	29.2	66	1.1	148	711	*

Shalini Ground, Jayanagar-April-2023														
Date	CO (mg/m ³)	Ozone (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	SO ₂ (µg/m ³)	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	BEN. (µg/m ³)	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mm Hg)	AQI
01-04-2023	0.28	21.7	9.5	6.9	3.0	33.7	89.0	0.16	28.2	52	1.0	194	708	89
02-04-2023	0.28	21.6	9.4	7.0	3.9	30.1	79.1	0.15	27.9	54	1.0	185	708	79
03-04-2023	0.36	21.8	9.2	7.0	3.4	34.5	88.4	0.20	27.5	58	0.8	173	708	88
04-04-2023	0.24	21.4	9.7	6.9	3.1	25.0	45.1	0.13	25.1	66	1.1	202	709	45
05-04-2023	0.39	25.4	11.0	9.3	3.6	39.5	87.9	0.22	28.1	54	0.6	179	708	88
06-04-2023	0.35	30.5	11.4	10.3	3.5	33.4	76.7	0.19	27.9	56	0.8	169	709	77
07-04-2023	0.28	34.8	11.5	10.4	3.5	46.0	89.1	0.16	27.8	54	0.7	145	710	89
08-04-2023	0.32	25.4	11.5	10.4	3.9	33.7	83.6	0.18	28.0	49	0.7	102	711	84
09-04-2023	0.28	21.6	11.4	10.8	4.0	31.5	78.3	0.16	27.6	52	0.7	122	712	78
10-04-2023	0.30	26.5	11.0	10.4	3.8	26.1	74.9	0.17	27.9	54	0.7	111	711	75
11-04-2023	0.35	29.1	11.3	10.4	2.4	31.9	85.6	0.20	28.6	45	0.6	116	711	86
12-04-2023	0.38	22.4	11.3	10.5	3.0	38.7	107.0	0.21	29.3	36	0.6	132	710	105
13-04-2023	0.33	21.2	11.7	7.6	2.9	49.3	119.5	0.18	29.5	34	0.6	180	710	113

14-04-2023	0.30	21.6	11.2	7.0	4.0	53.6	144.9	0.17	32.0	29	0.7	146	710	130
15-04-2023	0.37	21.4	11.6	6.8	2.9	50.5	157.8	0.21	29.0	36	0.7	157	709	139
16-04-2023	0.27	28.6	11.3	6.8	3.2	65.2	177.5	0.15	29.1	34	0.6	168	708	152
17-04-2023	0.38	36.9	11.2	6.8	2.7	54.0	150.0	0.21	28.9	39	0.7	164	708	133
18-04-2023	0.33	28.4	11.2	7.2	2.4	61.0	164.4	0.18	29.5	37	0.7	177	709	143
19-04-2023	0.38	32.8	11.4	6.8	2.1	54.9	139.0	0.21	29.6	41	0.7	179	707	126
20-04-2023	0.32	29.2	10.9	7.0	1.9	46.2	98.7	0.18	29.0	52	1.2	206	706	99
21-04-2023	0.26	20.4	11.4	6.9	2.5	41.3	113.1	0.15	27.5	59	1.1	187	706	109
22-04-2023	0.33	27.1	11.2	6.9	2.9	43.3	108.5	0.18	28.0	53	0.8	204	706	106
23-04-2023	0.20	31.7	11.2	7.1	2.8	38.8	102.9	0.11	28.9	51	0.9	193	706	102
24-04-2023	0.31	26.7	11.3	7.1	3.0	33.3	104.5	0.17	28.5	57	0.9	149	707	103
25-04-2023	0.26	34.7	11.5	7.2	3.0	29.4	48.5	0.15	28.2	58	0.8	144	708	49
26-04-2023	0.27	35.0	11.2	7.0	3.2	32.1	84.6	0.15	28.1	56	0.8	160	708	85
27-04-2023	0.24	35.0	11.4	6.9	3.4	43.9	125.1	0.13	28.4	56	0.8	149	708	117
28-04-2023	0.24	34.9	11.2	6.9	3.7	36.8	113.9	0.13	28.3	55	0.8	144	708	109
29-04-2023	0.31	35.0	11.6	6.8	3.4	40.5	92.5	0.18	26.7	65	0.8	163	708	93
30-04-2023	0.20	35.1	11.4	6.9	3.0	26.3	73.7	0.11	26.9	63	0.9	172	707	74
Average	0.30	27.9	11.1	7.9	3.1	40.2	103.5	0.17	28.3	50	0.8	162	708	*
Maximum	0.39	36.9	11.7	10.8	4.0	65.2	177.5	0.22	32.0	66	1.2	206	712	*
Minimum	0.20	20.4	9.2	6.8	1.9	25.0	45.1	0.11	25.1	29	0.6	102	706	*

KAVIKA, Mysore Road-April-2022-23

Date	CO (mg/m ³)	Ozone (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	SO ₂ (µg/m ³)	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	BEN. (µg/m ³)	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mm Hg)	AQI
01-04-2023	0.70	23.2	44.2	91.4	5.6	24.8	71.0	0.10	29.3	43	0.3	220	718	71
02-04-2023	0.60	23.2	36.9	74.7	5.7	22.5	64.5	0.08	29.1	43	0.3	229	718	65
03-04-2023	1.28	22.1	45.3	74.3	5.2	58.7	88.5	0.18	28.5	43	0.3	207	717	98
04-04-2023	0.77	22.1	33.6	64.4	5.3	19.5	54.7	0.11	25.8	43	0.3	219	719	55
05-04-2023	0.81	22.4	58.1	86.1	5.2	35.2	100.9	0.11	29.0	43	0.3	203	718	101
06-04-2023	0.71	21.5	45.7	21.9	5.0	26.8	76.9	0.10	28.6	43	0.4	191	719	77
07-04-2023	0.60	22.2	36.3	45.6	5.5	22.0	82.4	0.09	28.6	43	0.3	169	720	82
08-04-2023	0.71	21.4	56.0	65.2	5.8	20.9	80.2	0.10	28.8	43	0.3	144	722	80
09-04-2023	0.56	21.8	43.9	57.5	5.8	17.8	68.6	0.08	28.4	43	0.3	147	722	69
10-04-2023	0.74	21.3	47.4	55.7	5.5	17.0	64.9	0.11	28.7	43	0.3	144	721	65
11-04-2023	0.83	22.0	59.4	64.0	5.0	19.4	65.5	0.12	29.4	43	0.3	143	721	74
12-04-2023	0.84	20.3	65.0	70.9	5.8	23.8	91.4	0.12	30.1	43	0.3	154	721	91
13-04-2023	0.88	22.3	67.6	82.3	6.0	25.5	97.9	0.12	31.0	42	0.3	153	720	98
14-04-2023	0.92	21.8	64.6	89.9	8.4	24.0	69.4	0.13	30.9	42	0.3	172	720	81
15-04-2023	1.14	20.9	73.5	81.4	5.8	28.5	109.5	0.16	29.9	43	0.3	167	720	106
16-04-2023	1.36	22.9	65.5	31.8	6.7	28.7	101.6	0.18	30.0	42	0.3	163	718	101
17-04-2023	0.93	25.0	57.4	26.6	7.4	24.2	93.3	0.13	30.0	42	0.3	173	719	93
18-04-2023	1.13	25.4	57.2	28.3	7.7	24.0	86.5	0.16	30.8	42	0.3	181	719	87
19-04-2023	1.31	23.9	55.8	28.2	5.8	24.3	88.2	0.18	30.8	42	0.3	197	717	88
20-04-2023	1.05	20.3	41.5	24.2	5.7	23.5	90.4	0.15	29.9	42	0.3	240	715	90
21-04-2023	0.94	19.6	47.2	20.9	7.4	25.8	98.7	0.13	28.5	43	0.3	216	715	99
22-04-2023	0.90	20.4	42.9	20.0	7.0	20.4	77.7	0.13	29.0	42	0.3	221	716	78
23-04-2023	0.76	19.1	40.9	19.2	6.1	17.3	65.0	0.10	29.9	42	0.3	231	716	65
24-04-2023	0.94	20.1	29.9	17.7	6.4	13.6	51.0	0.13	29.6	42	0.3	180	717	51
25-04-2023	0.57	19.2	27.3	16.7	6.4	11.8	45.6	0.08	29.0	42	0.3	178	718	46

26-04-2023	1.11	19.1	39.5	17.3	6.3	15.6	59.3	0.15	29.0	42	0.3	186	718	59
27-04-2023	0.68	18.7	30.9	19.4	6.8	19.4	75.0	0.09	29.2	42	0.3	179	718	75
28-04-2023	0.57	19.3	27.3	17.4	7.1	14.6	56.2	0.08	29.4	42	0.3	170	718	56
29-04-2023	0.89	18.6	36.8	18.1	6.4	17.4	62.4	0.12	27.9	43	0.3	172	718	62
30-04-2023	0.73	18.3	23.6	13.3	6.4	12.0	46.1	0.10	28.4	43	0.3	206	716	46
Average	0.86	21.3	46.7	44.8	6.2	22.6	76.1	0.12	29.2	43	0.3	185	719	*
Maximum	1.36	25.4	73.5	91.4	8.4	58.7	109.5	0.18	31.0	43	0.4	240	722	*
Minimum	0.56	18.3	23.6	13.3	5.0	11.8	45.6	0.08	25.8	42	0.3	143	715	*

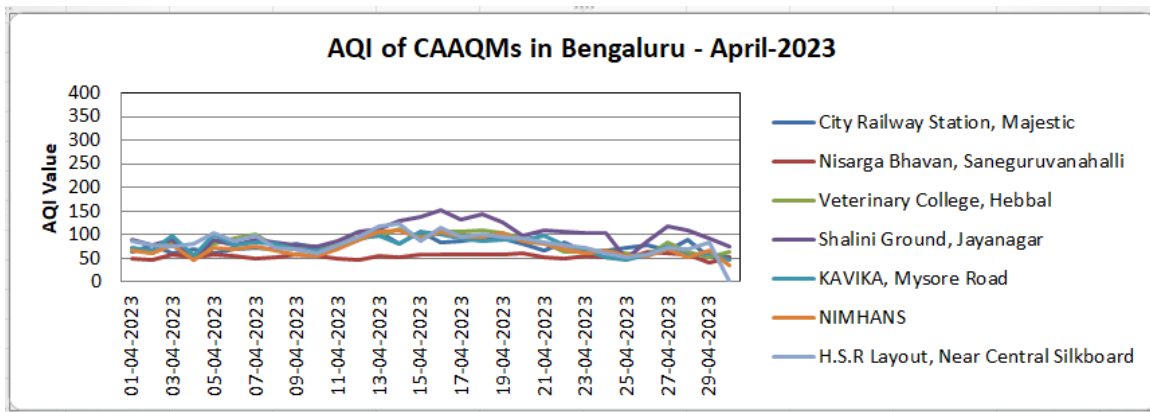
NIMHANS-April-2022-23														
Date	CO (mg/m ³)	Ozone (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	SO ₂ (µg/m ³)	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	BEN. (µg/m ³)	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mm Hg)	AQI
01-04-2023	0.24	34.1	19.9	2.0	4.2	27.4	68.5	0.02	28.0	52	0.9	207	707	66
02-04-2023	0.21	36.4	17.2	2.0	4.1	24.8	61.8	0.03	27.8	55	1.3	227	707	62
03-04-2023	0.48	39.6	21.1	2.0	3.4	31.3	78.0	0.05	27.3	58	1.0	198	707	78
04-04-2023	0.40	29.2	21.1	2.0	4.1	18.9	47.4	0.05	25.2	67	1.0	230	708	47
05-04-2023	0.41	35.2	23.8	2.0	4.5	28.9	72.4	0.05	27.4	56	0.8	186	708	72
06-04-2023	0.14	34.1	21.1	2.0	3.8	27.8	69.3	0.01	27.6	57	1.0	196	708	69
07-04-2023	0.35	30.5	20.0	2.0	4.5	30.9	73.6	0.04	26.9	55	1.0	148	709	74
08-04-2023	0.27	28.2	21.6	2.0	4.2	27.0	66.1	0.03	27.0	50	1.2	131	713	66
09-04-2023	0.24	27.1	19.6	2.0	4.1	23.7	59.1	0.03	26.6	54	1.1	133	713	59
10-04-2023	0.26	20.7	22.5	2.0	4.6	22.1	55.0	0.03	26.9	56	1.3	137	710	55
11-04-2023	0.38	24.9	24.8	1.9	4.4	28.0	70.1	0.04	27.5	47	0.9	137	712	70
12-04-2023	0.44	28.4	26.0	1.9	5.8	35.5	88.9	0.05	28.0	38	0.9	136	712	89
13-04-2023	0.49	23.7	33.4	1.8	5.5	42.8	107.3	0.06	28.4	37	0.8	150	712	105
14-04-2023	0.57	31.5	26.8	1.9	7.4	45.8	114.4	0.07	28.5	38	0.9	169	714	110
15-04-2023	0.46	28.1	29.4	1.9	4.0	37.3	93.1	0.05	27.7	38	1.0	155	711	93
16-04-2023	0.52	28.2	33.6	1.8	5.9	43.1	108.1	0.06	28.0	38	0.8	152	708	105
17-04-2023	0.48	30.4	27.0	1.9	4.8	39.2	96.1	0.05	27.8	43	0.9	165	712	96
18-04-2023	0.43	28.9	29.2	1.9	5.6	38.1	95.4	0.05	28.5	40	0.8	164	923	95
19-04-2023	0.63	29.1	32.3	1.9	5.3	41.5	103.6	0.07	28.8	43	0.7	182	709	102
20-04-2023	0.41	31.2	22.7	2.0	3.6	34.8	85.9	0.05	29.0	54	1.3	239	705	86
21-04-2023	0.42	27.6	21.4	2.0	4.2	32.0	80.1	0.05	27.1	61	1.6	223	707	80
22-04-2023	0.42	34.6	23.2	2.0	4.2	28.5	69.5	0.05	27.7	55	1.0	204	708	70
23-04-2023	0.39	32.7	19.6	2.0	4.1	25.0	60.6	0.04	28.6	52	1.3	209	708	61
24-04-2023	0.37	31.2	18.1	2.0	3.7	26.1	65.2	0.04	27.9	59	1.4	163	711	65
25-04-2023	0.40	23.1	18.3	2.0	4.5	21.6	54.0	0.05	27.4	61	1.4	165	707	54
26-04-2023	0.29	25.4	19.2	2.0	3.5	22.4	55.9	0.03	27.7	56	1.1	180	707	56
27-04-2023	0.27	24.3	17.6	2.0	3.9	28.4	68.9	0.03	27.5	59	1.2	166	707	69
28-04-2023	0.42	21.6	17.1	2.1	6.2	21.4	52.9	0.05	30.4	45	1.5	160	715	53
29-04-2023	0.24	26.6	17.7	2.1	3.9	27.0	66.7	0.03	26.3	64	1.0	216	712	67
30-04-2023	0.46	23.3	15.0	2.2	6.0	13.9	33.9	0.05	28.8	60	1.5	186	709	34
Average	0.38	29.0	22.7	2.0	4.6	29.8	74.1	0.04	27.7	52	1.1	177	717	*
Maximum	0.63	39.6	33.6	2.2	7.4	45.8	114.4	0.07	30.4	67	1.6	239	923	*
Minimum	0.14	20.7	15.0	1.8	3.4	13.9	33.9	0.01	25.2	37	0.7	131	705	*

H.S.R Layout, Near Central Silkboard-April-2023

Date	CO (mg/m ³)	Ozone (µg/m ³)	NO ₂ (µg/m ³)	NH ₃ (µg/m ³)	SO ₂ (µg/m ³)	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	BEN. (µg/m ³)	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mm Hg)	AQI
01-04-2023	0.70	31.0	11.9	1.7	5.6	35.6	85.4	0.18	28.0	52	1.2	165	688	85
02-04-2023	0.57	31.7	11.6	1.7	5.5	31.9	76.5	0.14	27.9	54	1.4	179	687	77
03-04-2023	0.57	34.0	11.1	1.7	5.4	31.8	76.3	0.14	27.3	56	1.3	157	687	76
04-04-2023	0.77	26.4	12.9	1.9	5.5	33.3	80.0	0.20	24.9	67	1.2	175	688	80
05-04-2023	0.96	28.1	13.0	1.8	5.4	43.3	103.9	0.24	27.6	54	1.1	144	688	103
06-04-2023	0.54	28.6	10.9	1.6	5.6	35.4	85.0	0.13	27.7	55	1.3	147	688	85
07-04-2023	0.39	28.0	9.0	1.4	5.7	41.1	98.8	0.11	27.1	54	1.3	106	689	99
08-04-2023	0.36	24.9	8.7	1.2	5.6	30.5	73.2	0.09	27.0	50	1.4	90	690	73
09-04-2023	0.33	23.3	8.6	1.2	5.8	28.2	67.7	0.09	26.6	53	1.2	99	690	68
10-04-2023	0.33	25.9	8.5	1.2	5.6	25.8	61.8	0.08	26.8	55	1.4	97	690	62
11-04-2023	0.43	28.8	9.2	1.0	5.6	32.1	77.3	0.11	27.7	45	1.1	99	690	77
12-04-2023	0.50	30.0	10.0	0.9	5.5	39.8	95.5	0.12	28.4	36	1.2	87	689	96
13-04-2023	0.66	28.9	11.1	0.9	5.6	53.3	125.1	0.17	28.6	35	1.1	83	689	117
14-04-2023	0.68	32.0	9.8	0.8	6.9	64.6	133.4	0.17	29.1	34	1.1	120	689	122
15-04-2023	0.68	29.9	10.9	0.9	5.9	45.8	87.0	0.18	28.6	35	1.2	136	689	87
16-04-2023	0.69	30.9	11.2	0.8	6.0	63.6	120.9	0.17	28.2	34	1.1	93	688	114
17-04-2023	0.66	30.6	9.5	0.7	6.0	50.4	95.8	0.16	28.3	38	1.1	111	688	96
18-04-2023	0.72	29.5	10.1	0.9	6.2	52.9	100.4	0.18	29.2	36	1.1	114	688	100
19-04-2023	0.73	29.0	10.1	0.8	5.9	50.5	96.0	0.18	29.5	40	1.1	133	687	96
20-04-2023	0.76	25.3	10.1	0.7	5.7	49.0	93.1	0.19	29.3	50	1.4	196	686	93
21-04-2023	0.72	23.4	9.9	0.8	5.6	43.1	82.0	0.18	27.4	58	1.5	185	686	82
22-04-2023	0.85	23.3	10.4	0.7	5.4	41.4	78.6	0.21	28.0	53	1.3	198	686	79
23-04-2023	0.66	29.0	9.5	0.8	5.4	38.3	72.7	0.16	28.6	51	1.4	184	686	73
24-04-2023	0.43	31.5	7.1	0.6	5.5	32.5	61.9	0.10	27.8	58	1.5	116	687	62
25-04-2023	0.39	26.5	7.0	0.6	5.7	28.0	53.4	0.10	27.4	59	1.4	114	688	53
26-04-2023	0.46	26.8	8.2	0.8	5.6	30.7	58.5	0.12	27.7	55	1.3	138	687	59
27-04-2023	0.40	28.5	7.0	0.6	5.7	37.8	71.9	0.10	28.0	56	1.4	122	688	72
28-04-2023	0.64	25.6	7.0	0.7	5.8	36.3	68.8	0.22	28.7	55	1.4	110	688	69
29-04-2023	0.79	22.5	14.4	0.5	5.6	44.0	83.7	0.20	26.7	64	1.3	138	688	84
30-04-2023	-	18.4	27.8	0.1	4.3	-	-	-	20.5	62	1.3	133	687	*
Average	0.60	27.7	10.5	1.0	5.6	40.4	85.0	0.15	27.6	50	1.3	132	688	*
Maximum	0.96	34.0	27.8	1.9	6.9	64.6	133.4	0.24	29.5	67	1.5	198	690	*
Minimum	0.33	18.4	7.0	0.1	4.3	25.8	53.4	0.08	20.5	34	1.1	83	686	*

Possible Health Impacts

Good	Minimal Impact
Satisfactory	Minor breathing discomfort to sensitive people
Moderate	Breathing discomfort to the people with lungs, asthma and heart diseases
Poor	Breathing discomfort to most people on prolonged exposure
Very Poor	Respiratory illness on prolonged exposure
Severe	Affects healthy people and seriously impacts those with existing diseases



INFERENCE:

The Air Quality monitored through the 7 CAAQMs (Continuous Ambient Air Quality Monitoring Stations) installed in Bengaluru at City Railway Station, Hebbal, Saneguruvanahalli, NIMHANS, Jayanagar, KAVIKA-Mysore Road and Central Silk Board-HSR Layout, for the month of April-2023 reveals that the Air quality is Good to Moderate in almost all days over the number of days monitored.

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