KARNATAKA STATE POLLUTION CONTROL BOARD

No.49, ParisaraBhavan, Church Street, Bengaluru-560 001.

Air Quality Monitoring Cell

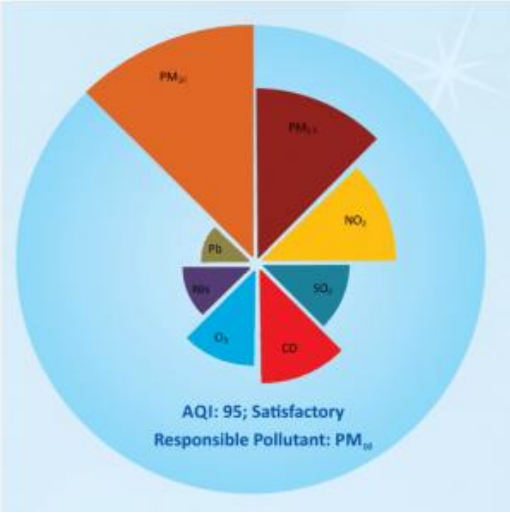
Air Quality Index of CAAQM Stations monitored in Bengaluru city-**January-2023**

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 (PM_{10}, $PM_{2.5}$, NO_2, SO2, CO, O_3, NH_3, 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 PM2.5 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 January-2023 is as shown below:

Daily AQI Values of Bengaluru (January-2023)

Date / Station Name	City Railway Station, Majestic	Nisarga Bhavan, Saneguruvanahalli	Veterinary College, Hebbal	Shalini Ground, Jayanagar	KAVIKA, Mysore Road	NIMHANS	H.S.R Layout, Near Central Silkboard
01-01-2023	107	55	78	78	143	75	78
02-01-2023	107	54	80	83	93	69	67
03-01-2023	107	56	85	83	87	71	74
04-01-2023	107	58	83	92	93	75	79
05-01-2023	107	51	75	90	86	76	74
06-01-2023	107	61	89	106	107	85	89
07-01-2023	107	64	101	108	153	99	105
08-01-2023	107	65	106	160	205	115	149
09-01-2023	107	55	107	105	120	97	103
10-01-2023	107	52	94	101	111	93	103
11-01-2023	94	53	96	99	108	91	100
12-01-2023	94	56	90	94	114	89	88
13-01-2023	88	55	101	104	113	97	91
14-01-2023	100	59	112	101	132	96	103
15-01-2023	82	53	77	81	116	70	77
16-01-2023	87	53	86	88	118	81	77
17-01-2023	94	56	81	157	86	78	66
18-01-2023	94	58	83	90	96	73	74
19-01-2023	94	58	88	89	99	82	83
20-01-2023	95	54	95	96	101	86	87
21-01-2023	99	66	96	93	99	89	85
22-01-2023	94	63	82	90	*	75	76
23-01-2023	94	51	87	83	68	73	67
24-01-2023	94	53	71	76	76	64	55
25-01-2023	93	58	93	93	96	80	75
26-01-2023	93	61	*	106	94	92	91
27-01-2023	94	53	85	101	102	83	87
28-01-2023	94	49	84	92	105	79	80
29-01-2023	94	58	83	100	104	80	78
30-01-2023	94	44	72	82	100	71	71
31-01-2023	94	54	71	87	112	63	72
Min	**82**	**44**	**71**	**76**	**68**	**63**	**55**
Max	**107**	**66**	**112**	**160**	**205**	**115**	**149**

*** Data Not available**

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

City Railway Station-January-2023					
Date	**NO_2 ug/m3**	**SO_2 ug/m3**	**CO mg/m3**	**PM_{10} ug/m3**	**AQI**
01-01-2023	26.5	13.5	2.55	81.5	107
02-01-2023	26.4	13.6	2.56	81.7	107
03-01-2023	26.6	13.6	2.56	82.5	107
04-01-2023	26.5	13.6	2.55	81.7	107
05-01-2023	26.5	13.5	2.53	79.9	107
06-01-2023	26.5	13.5	2.56	85.3	107
07-01-2023	26.5	13.6	2.56	87.6	107
08-01-2023	26.6	13.6	2.55	100.7	107
09-01-2023	26.5	13.5	2.54	82.5	107
10-01-2023	26.5	13.5	2.52	89.7	107
11-01-2023	26.5	13.6	1.88	88.3	94
12-01-2023	26.5	13.6	1.88	88.5	94
13-01-2023	24.9	14.6	1.76	85.3	88
14-01-2023	21.5	16.5	2.01	61.2	100
15-01-2023	21.5	16.6	1.63	78.6	82
16-01-2023	24.5	14.9	1.74	67.7	87
17-01-2023	26.5	13.6	1.88	86.3	94
18-01-2023	26.6	13.6	1.88	87.9	94
19-01-2023	26.6	13.5	1.88	84.6	94
20-01-2023	26.5	13.5	1.89	93.8	95
21-01-2023	26.6	13.6	1.88	98.5	99
22-01-2023	26.7	13.5	1.88	87.8	94
23-01-2023	26.6	13.5	1.88	82.7	94
24-01-2023	26.6	13.6	1.88	79.9	94
25-01-2023	26.6	13.6	1.86	83.9	93
26-01-2023	26.5	13.6	1.85	90.6	93
27-01-2023	26.5	13.6	1.88	88.1	94
28-01-2023	26.6	13.6	1.87	85.6	94
29-01-2023	26.5	13.6	1.88	94.3	94
30-01-2023	26.4	13.5	1.88	81.3	94
31-01-2023	26.5	13.5	1.88	86.5	94
Minimum	21.5	13.5	1.63	61.2	*
Maximum	26.7	16.6	2.54	100.7	*
Average	26.1	13.8	2.06	85.0	*

Saneguruvanahalli-January-2023										
Date	**NO_2 ug/m3**	**SO_2 ug/m3**	**CO mg/m3**	**PM_{10} ug/m3**	**TEMP degree C**	**HR %**	**WS m/s**	**WD degree**	**SR W/m2**	**AQI**
01-01-2023	22.9	6.5	0.84	55.4	24.98	75.85	0.20	209.71	167.99	55
02-01-2023	23.2	7.3	0.80	54.2	24.90	68.97	0.36	190.76	211.12	54
03-01-2023	22.8	6.6	0.78	55.8	24.88	67.82	0.20	195.26	204.60	56
04-01-2023	22.1	6.1	0.77	57.7	24.88	70.30	0.21	191.50	180.14	58
05-01-2023	23.3	8.6	0.75	50.5	24.89	66.49	0.17	188.64	188.18	51
06-01-2023	22.4	7.2	0.80	60.5	24.92	71.85	0.17	188.80	181.95	61
07-01-2023	21.4	6.4	0.82	64.1	24.95	72.14	0.14	204.97	161.42	64
08-01-2023	21.4	8.7	0.79	65.3	25.02	78.90	0.14	208.40	162.79	65
09-01-2023	23.7	13.5	0.79	55.4	24.94	69.29	0.16	196.69	217.95	55
10-01-2023	24.4	5.7	0.80	52.1	24.92	73.90	0.16	194.29	152.35	52
11-01-2023	24.8	7.1	0.82	52.7	24.92	76.44	0.25	187.51	148.61	53
12-01-2023	24.3	12.1	0.76	55.7	24.94	81.23	0.21	203.42	152.97	56
13-01-2023	23.8	12.7	0.81	55.2	24.97	76.37	0.22	194.14	149.24	55
14-01-2023	24.1	9.1	0.86	58.9	24.93	80.41	0.21	199.89	162.36	59
15-01-2023	22.9	6.6	0.81	52.9	24.93	78.64	0.21	184.95	153.64	53
16-01-2023	23.6	3.3	0.84	53.2	24.96	75.24	0.22	189.23	163.12	53
17-01-2023	26.3	10.6	0.82	55.7	24.89	70.61	0.29	197.26	175.73	56
18-01-2023	27.1	6.1	0.83	58.3	24.66	68.52	0.33	192.81	173.19	58
19-01-2023	24.2	9.3	0.82	57.9	24.73	68.48	0.33	180.46	173.03	58
20-01-2023	24.6	7.0	0.80	54.1	24.96	69.22	0.46	194.64	172.32	54
21-01-2023	23.6	5.3	0.77	66.1	24.65	64.99	0.22	188.70	208.70	66
22-01-2023	21.6	5.7	0.78	63.1	24.73	67.11	0.20	190.71	187.74	63
23-01-2023	23.4	7.6	0.80	50.8	24.76	71.87	0.21	189.73	184.43	51
24-01-2023	24.9	7.9	0.81	52.9	24.86	75.08	0.24	195.71	181.70	53
25-01-2023	26.2	6.7	0.83	58.2	24.86	65.79	0.23	193.59	226.08	58
26-01-2023	22.3	6.2	0.78	61.0	24.88	74.26	0.22	194.11	180.06	61
27-01-2023	24.8	8.7	0.83	53.1	24.90	77.34	0.20	192.21	164.44	53
28-01-2023	22.2	22.2	0.80	48.5	24.86	76.03	0.20	189.13	179.64	49
29-01-2023	21.5	18.8	0.81	58.0	24.90	76.11	0.20	200.82	212.70	58
30-01-2023	24.3	7.9	0.82	43.8	24.94	74.05	0.15	185.69	217.79	44
31-01-2023	22.8	8.5	0.85	53.9	25.15	70.85	0.15	243.60	212.08	54
Minimum	21.4	3.3	0.75	43.8	24.65	64.99	0.14	180.46	148.61	*
Maximum	27.1	22.2	0.86	66.1	25.15	81.23	0.46	243.60	226.08	*
Average	23.6	8.6	0.81	56.0	24.89	72.71	0.22	195.40	180.90	*

Hebbal-January-2023														
Date	**CO (mg/m^3)**	**Ozone ($\mu g/m^3$)**	**NO_2 ($\mu g/m^3$)**	**NH_3 ($\mu g/m^3$)**	**SO_2 ($\mu g/m^3$)**	**$PM_{2.5}$ ($\mu g/m^3$)**	**PM_{10} ($\mu g/m^3$)**	**BEN. ($\mu g/m^3$)**	**AT (°C)**	**RH (%)**	**WS (m/s)**	**WD (deg)**	**BP (mmHg)**	**AQI**
01-01-2023	0.45	22.0	29.3	4.9	4.0	21.7	77.7	0.1	22.8	60	0.9	108	714	78
02-01-2023	0.48	35.3	38.5	5.8	4.2	22.4	80.4	0.1	22.0	61	0.9	108	714	80
03-01-2023	0.47	31.5	42.5	7.0	4.3	24.0	85.1	0.2	21.7	67	0.9	111	715	85
04-01-2023	0.44	27.8	37.1	5.7	4.2	23.3	83.0	0.1	21.4	67	0.9	112	713	83
05-01-2023	0.42	38.0	42.3	5.9	4.3	21.2	74.9	0.1	20.4	72	0.9	106	715	75
06-01-2023	0.37	36.0	37.0	5.9	4.4	24.9	88.8	0.1	21.3	69	0.9	108	715	89
07-01-2023	0.41	22.5	39.1	7.5	4.8	28.3	100.8	0.1	21.4	69	0.9	106	715	101
08-01-2023	0.37	35.8	30.6	5.8	4.6	30.7	109.7	0.1	20.8	66	0.8	98	714	106
09-01-2023	0.51	26.6	43.7	4.8	4.6	30.7	110.0	0.2	20.4	57	0.8	102	715	107
10-01-2023	0.49	68.3	51.0	7.5	4.0	26.5	94.3	0.2	20.5	61	0.8	103	714	94
11-01-2023	0.52	58.6	54.8	7.4	4.3	26.8	95.5	0.2	21.2	51	0.8	96	712	96
12-01-2023	0.64	66.5	52.8	10.9	4.1	25.0	89.5	0.2	21.9	51	0.9	107	711	90
13-01-2023	0.52	81.1	46.9	8.5	4.4	28.3	100.8	0.2	22.0	55	0.9	110	712	101
14-01-2023	0.58	22.7	46.6	7.1	4.2	33.1	118.6	0.2	21.2	52	0.9	103	711	112
15-01-2023	0.51	19.4	33.4	6.8	2.9	21.6	77.2	0.2	21.9	52	0.9	114	710	77
16-01-2023	0.45	75.1	45.7	9.1	3.3	24.0	86.3	0.2	22.1	53	0.9	108	711	86
17-01-2023	0.49	18.3	36.3	8.2	4.5	22.8	81.3	0.2	21.9	56	0.9	113	712	81
18-01-2023	0.45	34.1	39.3	8.0	-	23.3	83.1	0.2	21.1	62	0.9	113	713	83
19-01-2023	0.46	46.0	38.0	7.4	19.3	24.6	88.0	0.2	21.4	57	0.9	111	712	88
20-01-2023	0.36	24.5	35.0	9.0	3.4	27.0	95.2	0.1	20.3	71	0.9	115	712	95
21-01-2023	0.45	35.3	36.3	9.3	22.6	26.7	95.5	0.1	21.1	67	0.9	106	712	96
22-01-2023	0.38	11.0	28.7	6.8	3.0	22.8	81.5	0.1	21.5	62	0.9	110	711	82
23-01-2023	0.48	22.0	37.8	6.7	7.0	24.4	87.0	0.2	20.7	74	0.9	114	710	87
24-01-2023	0.41	29.8	32.6	6.7	7.5	19.8	70.9	0.1	21.8	69	0.9	123	710	71
25-01-2023	0.48	41.8	41.2	7.4	8.2	25.9	92.7	0.2	21.9	62	0.9	117	710	93
26-01-2023	0.46	15.9	32.7	6.7	7.3	-	-	0.1	22.2	58	0.9	114	673	*
27-01-2023	0.43	29.3	36.4	7.4	8.2	23.4	84.5	0.1	22.3	58	0.9	108	711	85
28-01-2023	0.45	14.8	34.7	6.4	8.4	23.7	84.3	0.1	22.3	53	0.8	101	664	84
29-01-2023	0.40	12.4	32.8	6.0	8.2	23.1	82.8	0.1	22.6	61	0.9	113	710	83
30-01-2023	0.44	11.3	32.5	5.4	8.2	20.3	72.4	0.1	22.9	70	0.8	102	711	72
31-01-2023	0.46	18.1	28.2	5.1	8.2	19.7	70.5	0.2	22.1	63	0.8	102	712	71
Average	**0.46**	**33.3**	**38.5**	**7.0**	**6.4**	**24.7**	**88.1**	**0.2**	**21.6**	**61**	**0.9**	**108**	**710**	*
Minimum	0.36	11.0	28.2	4.8	2.9	19.7	70.5	0.1	20.3	51	0.8	96	664	*
Maximum	0.64	81.1	54.8	10.9	22.6	33.1	118.6	0.2	22.9	74	0.9	123	715	*

Jayanagar-January-2023														
Date	**CO mg/m³**	**Ozone µg/m³**	**NO_2 (µg/m³)**	**NH_3 (µg/m³)**	**SO_2 (µg/m³)**	**$PM_{2.5}$ (µg/m³)**	**PM_{10} (µg/m³)**	**BEN µg/m³**	**AT °C**	**RH %**	**WS m/s**	**WD deg.**	**BP mmHg**	**AQI**
01-01-2023	0.38	17.7	21.6	13.7	5.7	44.3	78.3	0.21	23.3	59	0.5	122	713	78
02-01-2023	0.42	17.6	22.9	13.6	5.6	41.5	82.8	0.23	22.5	61	0.5	134	713	83
03-01-2023	0.42	16.8	30.5	14.1	5.7	43.8	82.8	0.23	22.2	65	0.6	125	713	83
04-01-2023	0.40	18.0	21.0	9.5	5.7	48.1	91.9	0.22	21.9	65	0.6	122	712	92
05-01-2023	0.44	19.9	3.8	7.0	5.9	44.6	89.5	0.25	20.9	70	0.6	114	713	90
06-01-2023	0.44	20.6	4.4	6.9	6.0	54.4	109.0	0.25	21.7	68	0.7	117	714	106
07-01-2023	0.51	20.7	5.4	6.9	5.6	62.5	111.9	0.29	21.8	67	0.6	112	713	108
08-01-2023	0.53	21.2	5.0	7.2	5.3	78.0	124.7	0.29	21.5	64	0.5	107	712	160
09-01-2023	0.48	16.4	14.8	7.5	5.5	56.8	108.0	0.27	21.1	55	0.5	114	713	105
10-01-2023	0.52	14.5	20.1	7.8	5.7	53.4	101.8	0.29	21.1	60	0.6	103	712	101
11-01-2023	0.51	17.9	15.9	7.6	3.9	43.8	99.0	0.29	21.8	49	0.5	112	711	99
12-01-2023	0.53	18.1	14.5	7.7	2.7	43.4	94.3	0.30	22.8	48	0.5	110	710	94
13-01-2023	0.64	18.2	15.0	8.1	2.7	47.4	105.6	0.34	23.0	51	0.5	108	711	104
14-01-2023	0.45	18.2	15.4	8.4	2.6	48.9	101.7	0.25	22.6	46	0.4	121	710	101
15-01-2023	0.28	18.0	15.3	9.4	2.8	40.8	80.7	0.16	22.6	49	0.5	116	709	81
16-01-2023	0.46	18.0	15.1	8.6	3.6	41.4	87.7	0.26	22.8	51	0.5	123	710	88
17-01-2023	0.42	17.8	14.7	8.7	3.2	77.0	81.9	0.23	22.4	54	0.5	113	711	157
18-01-2023	0.40	17.8	14.6	8.4	2.9	42.7	90.3	0.22	21.6	61	0.6	111	712	90
19-01-2023	0.45	17.8	14.7	8.5	2.9	46.1	89.3	0.25	22.0	56	0.6	117	712	89
20-01-2023	0.44	17.9	14.2	8.3	3.1	52.1	96.2	0.25	21.7	66	0.6	121	712	96
21-01-2023	0.45	25.2	17.2	8.0	2.9	49.9	92.6	0.26	21.5	65	0.5	117	711	93
22-01-2023	0.34	26.5	17.9	7.8	2.7	45.0	90.2	0.19	21.9	60	0.6	115	710	90
23-01-2023	0.46	26.1	17.2	7.7	2.8	40.5	82.8	0.26	21.1	72	0.6	115	710	83
24-01-2023	0.39	23.1	17.3	7.6	3.1	34.3	76.3	0.22	22.1	67	0.6	116	710	76
25-01-2023	0.44	17.5	18.4	7.7	3.3	47.0	92.8	0.24	22.2	60	0.6	112	710	93
26-01-2023	0.34	17.5	18.4	7.7	2.6	58.3	109.4	0.19	22.5	58	0.6	117	710	106
27-01-2023	0.38	17.5	18.3	7.5	3.0	49.5	101.5	0.21	22.6	56	0.5	115	710	101
28-01-2023	0.39	27.5	18.6	7.4	2.6	42.5	92.3	0.22	22.7	53	0.6	112	709	92
29-01-2023	0.33	29.5	18.5	7.4	2.2	47.0	99.8	0.18	23.0	59	0.6	113	709	100
30-01-2023	0.50	21.0	17.7	7.5	2.1	41.8	82.0	0.28	23.3	67	0.5	107	710	82
31-01-2023	0.53	21.1	18.2	7.3	2.4	38.9	86.5	0.30	23.0	59	0.5	113	709	87
Average	**0.44**	**19.9**	**16.0**	**8.4**	**3.8**	**48.6**	**94.0**	**0.25**	**22.2**	**59**	**0.6**	**115**	**711**	*
Maximum	0.64	29.5	30.5	14.1	6.0	78.0	124.7	0.34	23.3	72	0.7	134	714	*
Minimum	0.28	14.5	3.8	6.9	2.1	34.3	76.3	0.16	20.9	46	0.4	103	709	*

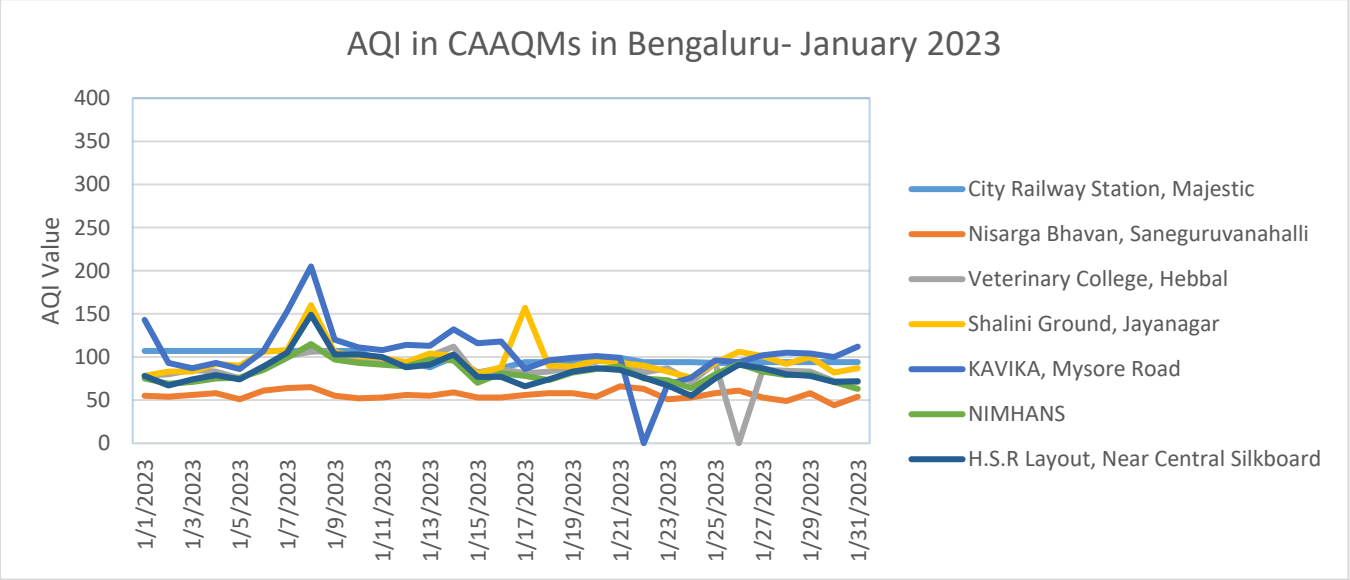
KAVIKA-January-2023														
Date	**CO mg/m³**	**Ozone µg/m³**	**NO_2 µg/m³**	**NH_3 µg/m³**	**SO_2 µg/m³**	**$PM_{2.5}$ µg/m³**	**PM_{10} µg/m³**	**BEN µg/m³**	**AT °C**	**RH %**	**WS m/s**	**WD deg.**	**BP mmHg**	**AQI**
01-01-2023	1.00	20.9	67.4	44.3	6.5	72.8	100.8	0.12	24.4	44	0.8	133	724	143
02-01-2023	0.81	21.5	67.3	43.6	5.5	55.9	90.5	0.14	23.4	44	0.9	142	724	93
03-01-2023	0.80	21.8	64.0	45.0	6.6	52.3	85.5	0.14	22.8	44	0.9	140	724	87
04-01-2023	0.87	21.6	61.5	39.7	6.8	56.0	89.1	0.10	22.4	44	0.9	138	723	93
05-01-2023	0.86	22.0	64.2	34.5	6.3	46.0	86.0	0.10	21.9	44	0.9	134	724	86
06-01-2023	0.98	22.2	66.0	34.4	6.3	61.3	110.9	0.13	22.4	44	0.9	127	725	107
07-01-2023	1.21	21.8	73.4	31.6	6.2	75.9	123.0	0.12	22.6	44	0.9	126	724	153
08-01-2023	1.24	21.9	73.4	32.1	4.7	91.4	142.1	0.28	22.6	44	0.8	125	723	205
09-01-2023	1.29	22.0	-	-	5.7	53.6	130.3	0.18	22.1	44	0.9	133	724	120
10-01-2023	1.07	22.1	-	-	7.3	41.0	117.1	0.20	22.0	44	0.9	131	723	111
11-01-2023	1.13	21.7	-	-	6.9	39.5	112.5	0.19	22.9	44	0.9	136	721	108
12-01-2023	1.35	22.2	-	-	6.9	42.1	120.3	0.20	23.9	44	0.9	140	720	114
13-01-2023	1.25	23.0	-	-	6.2	41.7	119.2	0.17	23.8	44	0.9	146	721	113
14-01-2023	1.41	22.7	-	-	5.8	51.9	148.0	1.19	23.3	44	0.9	140	721	132
15-01-2023	0.98	23.2	-	-	6.2	43.2	123.3	0.82	23.8	44	1.0	147	720	116
16-01-2023	1.13	23.1	-	-	5.8	44.3	126.7	0.11	24.0	44	1.0	151	721	118
17-01-2023	0.77	22.4	-	-	5.7	30.0	85.8	0.10	23.4	44	1.0	148	722	86
18-01-2023	0.94	21.8	-	-	6.0	33.6	95.9	0.10	22.4	44	0.9	137	723	96
19-01-2023	0.80	22.3	-	-	3.9	34.7	99.3	0.10	18.6	45	0.9	139	723	99
20-01-2023	0.80	21.9	-	-	4.8	35.3	100.8	0.10	22.3	44	0.9	142	723	101
21-01-2023	1.12	21.1	-	-	5.1	35.1	98.7	-	21.2	44	0.9	137	724	99
22-01-2023	-	-	-	-	-	-	-	-	-	-	-	-	-	*
23-01-2023	0.88	22.2	-	-	6.0	24.2	67.8	-	22.1	44	0.9	144	720	68
24-01-2023	0.72	21.2	-	-	6.3	26.6	76.0	-	22.8	44	1.0	147	720	76
25-01-2023	0.86	22.0	-	-	5.5	33.6	96.0	0.12	22.9	44	0.9	143	720	96
26-01-2023	0.81	21.7	-	-	6.4	33.1	94.4	0.11	23.2	44	0.9	144	720	94
27-01-2023	0.91	22.3	-	-	6.3	35.7	102.8	0.13	23.5	44	0.9	144	720	102
28-01-2023	0.92	21.8	-	-	6.7	37.5	107.3	0.13	23.7	44	0.9	138	720	105
29-01-2023	0.83	21.6	-	-	5.6	36.9	105.3	0.12	23.8	44	0.9	131	719	104
30-01-2023	1.02	20.8	-	-	6.9	35.1	100.5	0.14	24.4	44	0.9	132	720	100
31-01-2023	1.24	20.7	-	-	6.8	41.4	118.5	0.17	24.3	44	0.8	116	720	112
Average	**1.00**	**21.9**	**67.2**	**38.2**	**6.1**	**44.7**	**105.8**	**0.20**	**22.9**	**44**	**0.9**	**138**	**722**	*
Maximum	1.41	23.2	73.4	45.0	7.3	91.4	148.0	1.19	24.4	45	1.0	151	725	*
Minimum	0.72	20.7	61.5	31.6	3.9	24.2	67.8	0.10	18.6	44	0.8	116	719	*

NIMHANS-January-2023														
Date	**CO mg/m³**	**Ozone µg/m³**	**NO_2 µg/m³**	**NH_3 µg/m³**	**SO_2 µg/m³**	**$PM_{2.5}$ µg/m³**	**PM_{10} µg/m³**	**BEN µg/m³**	**AT °C**	**RH %**	**WS m/s**	**WD deg.**	**BP mmHg**	**AQI**
01-01-2023	0.55	31.2	23.6	2.1	4.7	30.0	75.0	0.24	22.4	61	0.8	126	713	75
02-01-2023	0.38	22.8	23.6	2.1	4.1	27.4	68.8	0.23	21.4	63	0.9	139	713	69
03-01-2023	0.38	25.3	21.7	2.1	4.4	28.5	71.3	0.20	21.1	68	1.0	130	713	71
04-01-2023	0.40	29.8	20.3	2.0	4.0	30.0	75.0	0.39	21.0	67	1.3	130	712	75
05-01-2023	0.30	27.0	20.3	2.1	4.6	30.4	76.0	0.42	20.3	71	1.2	131	712	76
06-01-2023	0.23	30.8	19.5	2.1	4.6	34.0	84.8	0.32	21.0	69	1.6	128	713	85
07-01-2023	0.38	30.4	21.0	2.1	5.0	39.8	99.4	0.54	21.1	69	1.1	126	713	99
08-01-2023	0.65	31.6	23.3	2.1	4.8	49.1	122.5	0.91	20.7	66	0.8	124	712	115
09-01-2023	0.60	28.1	27.6	2.0	5.3	38.9	97.3	0.82	19.9	58	0.8	136	713	97
10-01-2023	0.49	29.3	25.8	2.1	5.3	37.1	92.8	0.68	20.1	62	0.9	129	712	93
11-01-2023	0.61	21.5	32.6	1.9	5.9	36.3	91.3	0.80	20.5	51	0.7	138	710	91
12-01-2023	0.55	24.7	31.9	2.0	5.0	35.4	88.5	0.71	21.5	50	0.7	137	709	89
13-01-2023	0.44	26.4	32.4	2.0	5.1	38.9	97.2	0.59	21.4	55	0.7	130	710	97
14-01-2023	0.55	24.9	31.5	2.0	4.6	38.4	96.0	0.74	20.6	53	0.6	144	710	96
15-01-2023	0.26	27.4	25.0	2.1	5.1	27.8	69.5	0.32	21.4	51	0.7	139	709	70
16-01-2023	0.39	27.9	29.7	2.0	5.5	32.3	80.8	0.51	21.8	52	0.8	143	710	81
17-01-2023	0.31	22.2	24.9	2.0	5.0	31.2	78.0	0.43	21.2	56	1.0	138	711	78
18-01-2023	0.29	27.1	23.8	2.1	4.9	29.5	73.3	0.40	20.6	63	1.2	131	712	73
19-01-2023	0.37	29.2	24.3	2.1	4.9	32.7	81.7	0.51	20.9	58	1.1	127	711	82
20-01-2023	0.39	24.4	22.5	2.1	4.8	34.5	86.3	0.54	20.6	68	1.2	137	711	86
21-01-2023	0.80	20.3	25.8	2.1	4.8	35.7	89.4	0.61	20.7	67	1.0	128	710	89
22-01-2023	0.32	27.4	18.7	2.1	3.7	30.0	75.0	0.16	20.9	62	1.3	128	710	75
23-01-2023	0.39	21.0	21.6	2.1	4.2	29.1	73.2	0.20	20.6	74	1.3	131	709	73
24-01-2023	0.37	23.1	20.4	2.0	4.4	25.3	63.6	0.16	21.5	69	1.4	136	709	64
25-01-2023	0.29	27.6	23.4	2.0	4.0	32.2	80.1	0.17	21.2	62	1.3	133	709	80
26-01-2023	0.26	30.5	20.8	2.1	4.8	36.7	91.9	0.18	21.6	59	1.1	133	709	92
27-01-2023	0.26	26.2	23.6	2.0	4.6	33.9	83.3	0.20	21.5	58	1.0	137	709	83
28-01-2023	0.30	25.8	24.0	2.1	4.8	31.7	79.0	0.20	21.7	55	1.1	130	709	79
29-01-2023	0.27	30.3	19.9	2.1	4.1	31.8	79.5	0.18	22.2	60	1.3	128	708	80
30-01-2023	0.32	23.8	20.6	2.1	4.9	28.2	70.5	0.21	22.7	68	1.1	127	709	71
31-01-2023	0.31	25.3	21.3	2.0	3.7	25.4	63.4	0.20	22.4	59	1.0	112	709	63
Average	**0.40**	**26.6**	**24.0**	**2.1**	**4.7**	**33.0**	**82.4**	**0.41**	**21.2**	**61**	**1.0**	**132**	**711**	*
Maximum	0.80	31.6	32.6	2.1	5.9	49.1	122.5	0.91	22.7	74	1.6	144	713	*
Minimum	0.23	20.3	18.7	1.9	3.7	25.3	63.4	0.16	19.9	50	0.6	112	708	*

Silkboard-January-2023														
Date	**CO mg/m³**	**Ozone µg/m³**	**NO_2 µg/m³**	**NH_3 µg/m³**	**SO_2 µg/m³**	**$PM_{2.5}$ µg/m³**	**PM_{10} µg/m³**	**BEN µg/m³**	**AT °C**	**RH %**	**WS m/s**	**WD deg.**	**BP mmHg**	**AQI**
01-01-2023	0.52	31.1	26.0	19.6	5.5	43.4	78.1	0.13	22.3	60	0.9	92	692	78
02-01-2023	0.40	29.8	36.5	16.4	5.4	37.4	67.3	0.10	21.5	62	1.1	89	692	67
03-01-2023	0.43	30.9	46.1	15.0	5.3	41.0	73.8	0.11	21.1	67	1.1	91	692	74
04-01-2023	0.40	33.8	20.8	17.7	5.4	44.0	79.2	0.10	20.8	67	1.4	89	691	79
05-01-2023	0.50	33.1	18.4	22.1	5.3	41.2	74.2	0.12	20.4	71	1.3	93	692	74
06-01-2023	0.53	35.8	14.7	20.0	5.3	49.3	88.9	0.13	20.8	70	1.5	87	692	89
07-01-2023	0.61	34.2	8.1	19.2	5.5	59.9	107.9	0.15	21.0	69	1.2	88	692	105
08-01-2023	0.72	34.1	10.4	21.2	5.3	74.8	134.6	0.18	20.7	66	1.0	99	691	149
09-01-2023	0.73	31.8	18.6	16.8	5.3	58.3	104.9	0.18	20.0	57	1.0	86	692	103
10-01-2023	0.79	30.0	9.8	17.5	5.5	57.9	104.1	0.20	20.0	62	1.0	107	691	103
11-01-2023	0.98	25.0	20.8	23.9	5.4	55.5	100.0	0.25	20.5	50	0.9	88	690	100
12-01-2023	0.64	27.7	29.6	24.6	5.4	48.8	87.9	0.16	21.6	50	0.9	89	689	88
13-01-2023	0.65	29.3	33.8	23.8	5.6	50.7	91.1	0.16	21.3	55	0.9	89	690	91
14-01-2023	0.79	27.6	31.9	22.3	5.5	57.9	104.2	0.20	20.7	53	0.8	87	689	103
15-01-2023	0.46	29.8	39.3	18.0	5.3	42.5	76.5	0.12	21.6	51	0.9	90	689	77
16-01-2023	0.57	28.5	39.4	17.5	5.4	42.9	77.2	0.14	21.8	52	0.9	98	689	77
17-01-2023	0.40	26.8	44.6	12.9	5.4	36.9	66.3	0.10	21.1	56	1.0	91	690	66
18-01-2023	0.47	28.6	46.6	11.1	5.6	40.9	73.6	0.12	20.3	63	1.1	92	691	74
19-01-2023	0.44	30.2	47.1	10.8	5.4	46.1	83.0	0.11	20.8	58	1.1	92	691	83
20-01-2023	0.38	31.0	48.7	9.7	5.4	48.5	87.4	0.09	20.6	69	1.2	96	691	87
21-01-2023	0.50	28.2	32.2	10.5	5.3	47.2	85.0	0.12	20.5	67	1.1	91	690	85
22-01-2023	0.39	32.2	30.6	9.0	5.4	42.0	75.6	0.10	20.8	63	1.3	93	689	76
23-01-2023	0.49	28.7	30.4	9.3	5.3	37.3	67.2	0.12	20.3	75	1.2	95	689	67
24-01-2023	0.35	31.3	24.4	8.5	5.4	30.4	54.5	0.09	21.2	69	1.3	96	689	55
25-01-2023	0.41	32.6	12.4	8.3	5.5	41.5	74.6	0.10	21.1	63	1.3	95	689	75
26-01-2023	0.44	33.0	12.0	8.6	5.4	50.8	91.3	0.11	21.5	60	1.2	95	689	91
27-01-2023	0.46	28.8	10.2	9.9	5.4	48.2	86.7	0.11	21.5	58	1.1	113	689	87
28-01-2023	0.49	28.0	10.0	10.0	5.5	44.2	79.5	0.12	21.6	55	1.1	108	689	80
29-01-2023	0.44	31.1	10.7	9.7	5.3	43.2	77.8	0.11	22.1	60	1.3	97	688	78
30-01-2023	0.56	26.2	9.8	10.9	5.3	39.4	71.0	0.14	22.6	69	1.1	94	689	71
31-01-2023	0.61	23.4	8.0	11.8	5.3	40.0	72.0	0.15	22.2	61	1.0	133	689	72
Average	**0.53**	**30.1**	**25.2**	**15.0**	**5.4**	**46.5**	**83.7**	**0.13**	**21.1**	**62**	**1.1**	**95**	**690**	*
Maximum	0.98	35.8	48.7	24.6	5.6	74.8	134.6	0.25	22.6	75	1.5	133	692	*
Minimum	0.35	23.4	8.0	8.3	5.3	30.4	54.5	0.09	20.0	50	0.8	86	688	*

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 January-2023 reveals that the Air quality is almost Satisfactory in almost all days over the number of days monitored.

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