



## KARNATAKA STATE POLLUTION CONTROL BOARD

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

### *Air Quality Monitoring Cell*

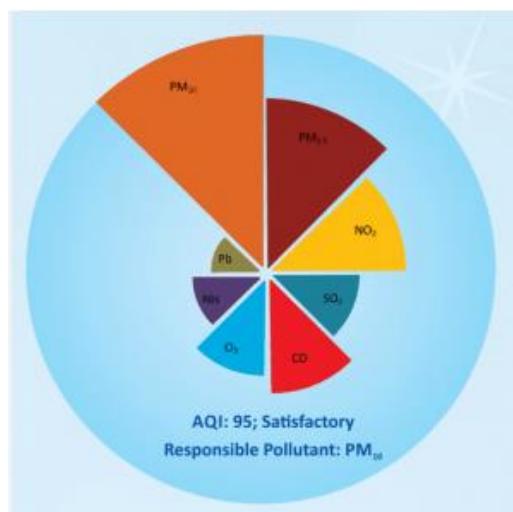
#### Air Quality Index of CAAQM Stations monitored in Bengaluru city-February-2023

#### 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 ( $PM_{10}$ ,  $PM_{2.5}$ ,  $NO_2$ ,  $SO_2$ ,  $CO$ ,  $O_3$ ,  $NH_3$ , 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  $PM_{2.5}$  will be 51 at concentration  $31\text{ }\mu\text{g}/\text{m}^3$ , 100 at concentration  $60\text{ }\mu\text{g}/\text{m}^3$ , and 75 at concentration of  $45(\mu\text{g}/\text{m}^3)$ . 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 February-2023 is as shown below:

### Daily AQI Values of Bengaluru (February-2023)

Date	City Railway Station, Majestic	Nisarga Bhavan, Saneguruvanahalli	Veterinary College, Hebbal	Shalini Ground, Jayanagar	KAVIDA, Mysore Road	NIMHANS	H.S.R Layout, Near Central Silkboard
01-02-2023	96	57	95	105	134	92	98
02-02-2023	95	55	94	112	126	92	87
03-02-2023	99	52	90	99	111	86	80
04-02-2023	99	57	89	96	105	81	79
05-02-2023	99	52	94	111	101	90	83
06-02-2023	99	49	101	106	107	96	92
07-02-2023	99	53	114	113	108	108	103
08-02-2023	97	55	114	120	123	117	117
09-02-2023	94	49	109	111	119	108	117
10-02-2023	97	53	103	111	120	101	103
11-02-2023	102	52	107	111	121	102	111
12-02-2023	101	47	103	107	109	100	103
13-02-2023	94	53	107	108	121	104	109
14-02-2023	100	50	97	107	123	105	108
15-02-2023	97	58	109	109	124	105	108
16-02-2023	95	49	107	109	122	109	101
17-02-2023	91	48	109	107	115	104	99
18-02-2023	92	50	*	*	125	104	101
19-02-2023	87	50	*	*	86	74	62
20-02-2023	87	49	93	102	99	77	76
21-02-2023	94	56	98	103	117	91	90
22-02-2023	103	54	109	107	124	106	109
23-02-2023	89	56	108	107	128	107	103
24-02-2023	85	53	89	84	100	76	80
25-02-2023	107	51	98	98	109	94	97
26-02-2023	92	51	111	113	107	111	111
27-02-2023	94	45	95	84	95	89	81
28-02-2023	88	50	103	101	103	96	103
Min	85	45	89	84	86	74	62
Max	107	58	114	120	134	117	117

\* Data Not available

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

City Railway Station-February-2023					
Date	NO <sub>2</sub> ug/m <sup>3</sup>	SO <sub>2</sub> ug/m <sup>3</sup>	CO mg/m <sup>3</sup>	PM <sub>10</sub> ug/m <sup>3</sup>	AQI
01-02-2023	26.5	13.5	1.88	96.4	96
02-02-2023	26.6	13.6	1.88	95.2	95
03-02-2023	28.1	17.5	1.97	87.7	99
04-02-2023	28.5	18.6	1.98	88.5	99
05-02-2023	28.6	18.5	1.98	87.7	99
06-02-2023	28.6	18.6	1.98	93.8	99
07-02-2023	28.6	18.6	1.98	96.6	99
08-02-2023	25.4	21.8	1.74	96.9	97
09-02-2023	24.6	22.5	1.68	93.9	94
10-02-2023	31.6	18.8	1.14	97.4	97
11-02-2023	26.6	17.5	1.10	102.3	102
12-02-2023	26.5	17.5	1.02	101.5	101
13-02-2023	29.5	17.5	1.02	94.0	94
14-02-2023	26.5	19.1	0.99	99.9	100
15-02-2023	26.6	19.6	0.98	97.0	97
16-02-2023	26.6	19.6	1.11	94.7	95
17-02-2023	26.5	19.5	1.12	90.7	91
18-02-2023	26.6	19.5	0.96	91.5	92
19-02-2023	26.6	19.5	0.95	86.5	87
20-02-2023	26.6	19.6	1.05	87.3	87
21-02-2023	26.6	19.6	0.97	94.1	94
22-02-2023	26.6	19.5	0.90	103.8	103
23-02-2023	26.6	19.6	0.98	89.2	89
24-02-2023	26.6	19.6	1.06	85.4	85
25-02-2023	26.6	19.6	1.00	110.9	107
26-02-2023	26.6	19.5	0.94	91.8	92
27-02-2023	26.5	19.6	0.97	93.7	94
28-02-2023	26.7	19.6	0.93	88.1	88
<b>Minimum</b>	24.6	13.5	0.90	85.4	*
<b>Maximum</b>	31.6	22.5	1.98	110.9	*
<b>Average</b>	27.1	18.8	1.30	94.2	*

Saneguruvanahalli-February-2023										
Date	NO <sub>2</sub> ug/m <sup>3</sup>	SO <sub>2</sub> ug/m <sup>3</sup>	CO mg/m <sup>3</sup>	PM <sub>10</sub> ug/m <sup>3</sup>	TEMP degreeC	HR %	WS m/s	WD degree	SR W/m <sup>2</sup>	AQI
01-02-2023	21.4	4.9	0.81	57.2	24.78	77.35	0.11	271.16	133.39	57
02-02-2023	24.2	6.9	0.76	54.7	24.74	68.50	0.11	237.19	187.99	55
03-02-2023	22.8	5.7	0.88	51.7	24.33	76.95	0.27	194.77	146.27	52
04-02-2023	23.4	7.1	0.81	57.0	24.13	79.08	0.19	189.51	149.20	57
05-02-2023	21.6	4.2	0.82	51.6	23.84	82.75	0.19	189.80	128.54	52
06-02-2023	25.4	9.5	0.86	49.3	24.02	80.54	0.22	201.13	130.40	49
07-02-2023	24.8	11.4	0.85	53.3	23.84	78.58	0.38	189.00	130.63	53

08-02-2023	23.5	9.6	0.89	55.3	24.25	67.33	0.26	176.08	183.45	55
09-02-2023	23.3	9.7	0.89	48.5	24.15	64.78	0.22	189.48	173.92	49
10-02-2023	23.0	7.2	0.93	53.1	23.84	70.78	0.23	164.16	178.26	53
11-02-2023	24.5	13.1	0.93	51.6	23.21	62.12	0.22	215.99	175.05	52
12-02-2023	22.6	8.1	0.93	47.3	23.24	69.74	0.22	207.81	173.38	47
13-02-2023	24.2	9.5	0.94	53.0	23.33	65.41	0.27	197.54	149.28	53
14-02-2023	24.1	6.9	0.94	50.4	23.77	66.59	0.23	184.86	170.74	50
15-02-2023	23.3	4.4	0.93	58.3	23.99	61.19	0.17	204.73	163.90	58
16-02-2023	23.1	8.3	0.85	49.1	24.02	55.58	0.20	201.54	171.93	49
17-02-2023	23.2	3.8	0.84	48.3	24.31	55.57	0.17	204.78	169.73	48
18-02-2023	22.5	4.1	0.82	49.9	24.17	63.62	0.16	199.74	172.27	50
19-02-2023	21.9	7.5	0.83	50.0	23.78	67.82	0.16	184.61	172.61	50
20-02-2023	23.7	3.8	0.87	48.7	23.69	71.98	0.30	206.46	173.89	49
21-02-2023	23.4	2.1	0.85	56.4	23.81	71.23	0.21	180.79	155.59	56
22-02-2023	24.4	2.0	0.86	54.0	23.91	73.28	0.29	195.91	180.88	54
23-02-2023	27.5	4.7	0.88	55.9	23.87	80.65	0.20	198.69	117.86	56
24-02-2023	24.3	6.9	0.91	53.3	24.25	83.49	0.24	198.29	126.42	53
25-02-2023	23.0	9.0	0.86	51.3	24.50	81.50	0.24	195.42	126.50	51
26-02-2023	22.1	8.0	0.82	50.5	25.29	75.74	0.22	200.73	160.10	51
27-02-2023	24.1	6.3	0.83	44.5	25.54	71.89	0.24	201.76	154.54	45
28-02-2023	25.5	7.3	0.73	49.5	25.01	77.76	0.21	198.87	153.91	50
<b>Minimum</b>	21.4	2.0	0.73	44.5	23.21	55.57	0.11	164.16	117.86	*
<b>Maximum</b>	27.5	13.1	0.94	58.3	25.54	83.49	0.38	271.16	187.99	*
<b>Average</b>	23.6	6.9	0.86	51.9	24.13	71.49	0.22	199.31	157.52	*

### Hebbal-February-2023

Date	CO (mg/m <sup>3</sup> )	Ozone (μg/m <sup>3</sup> )	NO <sub>2</sub> (μg/m <sup>3</sup> )	NH <sub>3</sub> (μg/m <sup>3</sup> )	SO <sub>2</sub> (μg/m <sup>3</sup> )	PM <sub>2.5</sub> (μg/m <sup>3</sup> )	PM <sub>10</sub> (μg/m <sup>3</sup> )	BEN. (μg/m <sup>3</sup> )	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mmHg)	AQI
01-02-2023	0.39	13.2	31.5	7.1	8.1	26.5	94.8	0.1	22.2	63	0.8	99	711	95
02-02-2023	0.42	27.5	33.7	7.7	8.7	26.4	94.5	0.1	21.8	55	0.8	103	663	94
03-02-2023	0.51	14.7	33.8	6.2	8.8	25.1	89.6	0.2	22.1	61	0.7	101	622	90
04-02-2023	0.45	20.6	37.0	5.6	8.9	25.0	89.3	0.2	24.4	51	0.8	109	596	89
05-02-2023	0.39	17.2	36.3	5.8	8.8	26.2	94.0	0.1	24.6	50	0.8	107	597	94
06-02-2023	0.53	39.7	45.0	6.2	9.6	28.6	102.4	0.2	23.8	48	0.8	109	685	101
07-02-2023	0.50	66.2	37.1	6.7	9.6	33.8	120.7	0.2	24.1	54	0.9	130	699	114
08-02-2023	0.46	55.4	43.1	7.3	10.1	33.9	121.4	0.1	24.9	53	0.8	107	710	114
09-02-2023	0.46	48.0	49.1	7.0	10.7	32.5	114.2	0.2	24.5	53	0.8	113	711	109
10-02-2023	0.48	26.1	43.0	7.6	10.5	29.3	104.8	0.2	24.2	46	0.8	110	708	103
11-02-2023	0.42	21.8	42.4	7.9	10.7	30.8	109.9	0.1	24.0	46	0.7	98	712	107
12-02-2023	0.44	16.0	37.2	8.8	10.0	36.0	103.9	0.1	24.8	45	0.7	100	712	103
13-02-2023	0.43	23.4	47.2	8.1	10.3	55.7	109.6	0.1	22.3	42	0.7	97	712	107
14-02-2023	0.45	26.1	46.0	9.8	10.8	40.9	96.8	0.2	28.2	41	0.7	99	711	97
15-02-2023	0.50	17.1	38.0	8.9	10.4	52.3	113.1	0.2	24.4	45	0.8	104	710	109
16-02-2023	0.41	15.2	38.1	7.6	10.3	47.3	110.8	0.1	24.6	45	0.7	98	710	107
17-02-2023	0.53	23.4	48.0	7.3	10.6	56.3	112.6	0.2	21.3	46	0.8	109	711	109
18-02-2023	0.44	32.0	35.9	9.1	10.8	-	-	0.1	-	47	0.8	113	710	*
19-02-2023	0.40	19.8	29.8	8.1	10.8	-	-	0.1	-	50	0.8	118	711	*
20-02-2023	0.48	27.8	29.8	9.2	10.8	34.4	92.5	0.2	27.5	52	0.8	112	710	93
21-02-2023	0.45	22.7	37.7	9.1	10.8	42.6	97.8	0.2	25.1	45	0.8	112	628	98
22-02-2023	0.38	20.8	34.7	8.0	10.8	33.2	114.1	0.1	25.2	45	0.8	115	712	109
23-02-2023	0.43	16.0	37.2	7.8	10.6	28.1	111.6	0.1	24.6	39	0.8	105	712	108
24-02-2023	0.51	16.2	39.0	7.9	10.5	22.3	88.5	0.2	24.7	42	0.7	100	712	89
25-02-2023	0.42	16.9	41.6	9.2	10.4	24.7	98.0	0.1	25.0	41	0.7	95	714	98
26-02-2023	0.39	20.9	36.1	10.9	10.6	29.1	116.1	0.1	24.8	37	0.7	103	691	111
27-02-2023	0.46	27.1	47.3	11.9	10.9	35.0	94.8	0.1	24.1	41	0.8	104	678	95
28-02-2023	0.36	20.2	38.6	12.6	10.5	54.9	105.2	0.1	23.9	50	0.7	101	608	103
Average	0.45	25.4	39.1	8.2	10.2	35.0	103.9	0.1	24.3	48	0.8	106	688	*
Minimum	0.36	13.2	29.8	5.6	8.1	22.3	88.5	0.1	21.3	37	0.7	95	596	*
Maximum	0.53	66.2	49.1	12.6	10.9	56.3	121.4	0.2	28.2	63	0.9	130	714	*

### Jayanagar-February-2023

Date	CO mg/m <sup>3</sup>	Ozone μg/m <sup>3</sup>	NO <sub>2</sub> μg/m <sup>3</sup>	NH <sub>3</sub> μg/m <sup>3</sup>	SO <sub>2</sub> μg/m <sup>3</sup>	PM <sub>2.5</sub> μg/m <sup>3</sup>	PM <sub>10</sub> μg/m <sup>3</sup>	BEN. μg/m <sup>3</sup>	AT °C	RH %	WS m/s	WD deg.	BP mmHg	AQI
01-02-2023	0.55	25.6	19.0	7.4	2.5	58.0	106.9	0.31	23.1	57	0.6	107	709	105
02-02-2023	0.73	25.6	19.6	7.4	3.1	54.0	117.5	0.41	22.5	49	0.6	99	710	112
03-02-2023	0.56	24.9	19.2	7.3	2.5	47.3	98.5	0.31	22.2	59	0.5	104	710	99
04-02-2023	0.57	28.0	19.2	7.3	2.2	44.3	96.3	0.32	24.9	48	0.6	107	710	96
05-02-2023	0.35	28.0	19.9	7.3	2.3	52.1	116.0	0.19	25.1	49	0.6	98	709	111
06-02-2023	0.58	19.5	20.3	7.4	2.9	48.9	109.4	0.33	24.1	47	0.5	120	710	106
07-02-2023	0.50	19.3	21.4	7.7	2.6	56.0	119.1	0.28	24.6	51	0.6	139	710	113
08-02-2023	0.53	19.4	21.1	7.6	3.2	66.0	124.3	0.29	25.3	50	0.5	104	709	120
09-02-2023	0.54	25.0	21.0	7.7	2.7	61.3	116.2	0.30	25.1	50	0.6	122	710	111

<b>10-02-2023</b>	0.51	21.1	20.7	7.5	4.1	52.0	115.8	0.28	24.6	44	0.5	118	711	<b>111</b>
<b>11-02-2023</b>	0.46	21.2	20.8	7.7	3.1	54.6	115.8	0.25	24.5	44	0.5	148	711	<b>111</b>
<b>12-02-2023</b>	0.34	21.6	20.0	7.7	2.5	49.5	110.4	0.19	25.3	41	0.6	113	711	<b>107</b>
<b>13-02-2023</b>	0.44	21.5	20.9	7.8	3.1	51.8	121.5	0.24	25.2	40	0.6	115	711	<b>108</b>
<b>14-02-2023</b>	0.49	21.4	20.9	7.7	3.6	50.0	110.9	0.27	25.0	38	0.5	125	711	<b>107</b>
<b>15-02-2023</b>	0.42	28.9	21.1	7.6	2.7	51.0	113.4	0.23	25.0	42	0.5	124	710	<b>109</b>
<b>16-02-2023</b>	0.37	29.7	21.4	7.6	3.4	51.4	114.0	0.20	24.9	42	0.6	116	710	<b>109</b>
<b>17-02-2023</b>	0.43	34.6	21.5	7.6	3.1	49.9	110.8	0.24	25.0	43	0.6	117	711	<b>107</b>
<b>18-02-2023</b>	0.40	39.1	22.0	7.6	3.7	-	-	0.22	25.3	44	0.6	108	711	*
<b>19-02-2023</b>	0.28	38.8	20.8	7.5	3.1	-	-	0.16	25.0	50	0.6	122	711	*
<b>20-02-2023</b>	0.49	39.3	22.0	7.6	2.9	47.2	102.7	0.27	25.0	51	0.5	118	711	<b>102</b>
<b>21-02-2023</b>	0.49	29.1	21.0	7.9	2.4	49.5	105.4	0.28	25.6	41	0.6	120	711	<b>103</b>
<b>22-02-2023</b>	0.47	23.7	21.8	7.9	2.9	54.8	110.8	0.26	25.7	43	0.7	106	711	<b>107</b>
<b>23-02-2023</b>	0.44	25.8	22.1	7.8	3.1	53.5	109.8	0.24	24.9	38	0.7	111	711	<b>107</b>
<b>24-02-2023</b>	0.43	28.1	20.1	7.4	3.0	32.3	83.8	0.24	25.0	42	0.6	123	711	<b>84</b>
<b>25-02-2023</b>	0.37	27.8	22.8	7.5	3.0	42.7	98.2	0.21	25.6	39	0.6	149	713	<b>98</b>
<b>26-02-2023</b>	0.35	34.7	24.9	7.8	3.2	59.5	119.7	0.19	25.1	35	0.7	123	714	<b>113</b>
<b>27-02-2023</b>	0.33	30.5	23.3	7.6	3.5	39.8	83.8	0.18	24.2	41	0.6	126	714	<b>84</b>
<b>28-02-2023</b>	0.38	25.1	24.0	7.7	3.4	49.2	101.4	0.21	24.3	46	0.7	126	714	<b>101</b>
<b>Average</b>	<b>0.46</b>	<b>27.1</b>	<b>21.2</b>	<b>7.6</b>	<b>3.0</b>	<b>51.0</b>	<b>108.9</b>	<b>0.25</b>	<b>24.7</b>	<b>45</b>	<b>0.6</b>	<b>118</b>	<b>711</b>	*
<b>Maximum</b>	0.73	39.3	24.9	7.9	4.1	66.0	124.3	0.41	25.7	59	0.7	149	714	*
<b>Minimum</b>	0.28	19.3	19.0	7.3	2.2	32.3	83.8	0.16	22.2	35	0.5	98	709	*

### KAVIKA-February-2023

Date	CO mg/m <sup>3</sup>	Ozone µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	PM <sub>10</sub> µg/m <sup>3</sup>	BEN µg/m <sup>3</sup>	AT °C	RH %	WS m/s	WD deg.	BP mmHg	AQI
<b>01-02-2023</b>	1.12	21.0	-	-	5.8	52.9	150.8	0.16	24.3	44	0.8	114	720	<b>134</b>
<b>02-02-2023</b>	1.07	22.8	-	-	5.6	49.4	138.9	0.15	22.8	44	0.8	111	720	<b>126</b>
<b>03-02-2023</b>	1.07	21.6	-	-	6.1	40.7	115.8	0.15	23.5	44	0.8	125	721	<b>111</b>
<b>04-02-2023</b>	0.98	21.7	-	-	6.9	37.4	106.7	0.13	25.6	43	0.8	128	720	<b>105</b>
<b>05-02-2023</b>	0.87	22.9	-	-	7.0	35.3	100.7	0.12	25.8	43	0.9	140	719	<b>101</b>
<b>06-02-2023</b>	1.31	23.2	-	-	6.4	38.5	109.9	0.18	25.3	43	0.9	141	720	<b>107</b>
<b>07-02-2023</b>	1.08	24.7	-	-	7.0	39.3	112.1	0.15	26.0	43	1.1	172	720	<b>108</b>
<b>08-02-2023</b>	1.18	23.3	92.5	59.7	7.0	47.0	134.3	0.16	26.3	43	0.7	137	720	<b>123</b>
<b>09-02-2023</b>	1.12	20.7	80.1	69.2	7.2	44.8	127.8	0.16	25.8	43	0.3	130	721	<b>119</b>
<b>10-02-2023</b>	1.26	21.8	80.4	71.1	6.8	44.8	129.9	0.18	25.8	43	0.3	125	722	<b>120</b>
<b>11-02-2023</b>	1.36	22.1	83.7	79.6	6.2	46.0	131.3	0.19	25.9	43	0.3	132	722	<b>121</b>
<b>12-02-2023</b>	0.95	22.0	70.9	76.0	6.1	39.7	113.1	0.14	26.2	43	0.3	133	722	<b>109</b>
<b>13-02-2023</b>	1.15	22.0	89.5	88.5	6.5	46.8	131.0	0.16	26.3	43	0.3	120	722	<b>121</b>
<b>14-02-2023</b>	1.27	25.4	94.4	83.6	6.3	46.8	133.6	0.18	26.2	43	0.3	128	722	<b>123</b>
<b>15-02-2023</b>	1.24	20.9	89.3	90.8	6.6	47.5	135.6	0.17	26.0	43	0.3	128	720	<b>124</b>
<b>16-02-2023</b>	1.03	21.6	87.6	82.9	7.0	46.6	133.0	0.14	25.9	43	0.3	122	720	<b>122</b>
<b>17-02-2023</b>	1.09	20.8	83.7	74.7	6.3	43.0	122.7	0.15	25.7	43	0.3	130	721	<b>115</b>
<b>18-02-2023</b>	1.15	20.6	80.8	78.7	6.6	48.5	137.8	0.16	26.1	43	0.3	138	721	<b>125</b>
<b>19-02-2023</b>	0.88	20.9	59.6	71.6	5.8	30.7	86.0	0.12	25.9	43	0.3	143	721	<b>86</b>
<b>20-02-2023</b>	1.11	19.4	68.6	71.0	6.2	33.3	98.7	0.15	26.1	43	0.3	145	721	<b>99</b>
<b>21-02-2023</b>	1.13	21.6	82.6	82.6	6.4	44.0	126.0	0.16	26.5	43	0.3	133	722	<b>117</b>

<b>22-02-2023</b>	1.01	19.7	86.5	89.1	6.2	47.4	135.5	0.14	26.5	43	0.3	125	721	124
<b>23-02-2023</b>	1.14	21.2	88.2	86.2	6.2	49.5	141.5	0.16	25.8	43	0.3	124	721	128
<b>24-02-2023</b>	1.05	17.4	75.3	71.6	6.4	34.8	99.5	0.14	26.1	43	0.3	129	722	100
<b>25-02-2023</b>	1.10	18.0	86.0	84.4	5.8	41.0	113.6	0.15	26.6	43	0.3	128	724	109
<b>26-02-2023</b>	0.85	23.1	80.7	85.1	6.9	39.3	110.9	0.12	25.9	43	0.3	126	725	107
<b>27-02-2023</b>	0.95	21.6	74.4	74.7	6.0	33.3	95.0	0.13	25.0	43	0.3	131	725	95
<b>28-02-2023</b>	1.00	21.9	76.5	83.6	6.2	36.5	104.2	0.14	25.1	43	0.3	132	725	103
<b>Average</b>	<b>1.09</b>	<b>21.6</b>	<b>81.5</b>	<b>78.8</b>	<b>6.4</b>	<b>42.3</b>	<b>120.6</b>	<b>0.15</b>	<b>25.7</b>	<b>43</b>	<b>0.5</b>	<b>131</b>	<b>721</b>	*
<b>Maximum</b>	1.36	25.4	94.4	90.8	7.2	52.9	150.8	0.19	26.6	44	1.1	172	725	*
<b>Minimum</b>	0.85	17.4	59.6	59.7	5.6	30.7	86.0	0.12	22.8	43	0.3	111	719	*

### NIMHANS-February-2023

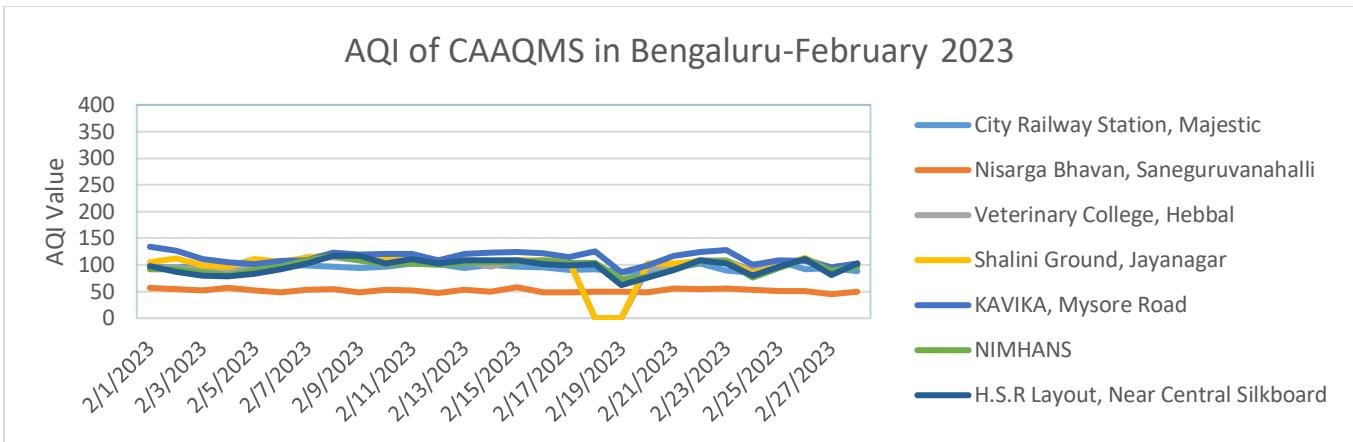
Date	CO mg/m <sup>3</sup>	Ozone µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	PM <sub>10</sub> µg/m <sup>3</sup>	BEN µg/m <sup>3</sup>	AT °C	RH %	WS m/s	WD deg.	BP mmHg	AQI
<b>01-02-2023</b>	0.26	32.6	22.0	2.0	4.2	36.7	91.5	0.22	22.4	60	1.3	106	709	92
<b>02-02-2023</b>	0.43	38.0	22.6	2.1	4.0	36.8	92.0	0.23	21.8	51	1.3	108	709	92
<b>03-02-2023</b>	0.44	27.7	24.0	2.1	4.9	34.3	85.6	0.22	21.9	62	1.0	124	710	86
<b>04-02-2023</b>	0.45	31.4	22.8	2.0	5.0	32.6	81.5	0.19	23.9	49	1.0	127	709	81
<b>05-02-2023</b>	0.30	35.6	21.3	2.1	4.9	36.1	90.3	0.18	24.2	50	1.1	130	711	90
<b>06-02-2023</b>	0.66	30.1	28.4	1.9	4.9	38.3	96.0	0.30	23.2	49	0.9	134	709	96
<b>07-02-2023</b>	0.45	36.9	28.7	2.0	4.8	44.9	112.3	0.35	24.0	52	0.7	161	711	108
<b>08-02-2023</b>	0.41	35.1	29.7	2.1	5.6	46.8	117.3	0.27	24.3	52	0.9	131	709	117
<b>09-02-2023</b>	0.52	37.4	26.9	2.1	5.3	44.8	112.0	0.24	24.0	52	1.0	130	712	108
<b>10-02-2023</b>	0.52	26.7	30.5	2.0	5.6	40.6	101.5	0.28	23.5	46	0.9	123	713	101
<b>11-02-2023</b>	0.47	27.2	30.3	2.0	5.3	41.4	103.3	0.30	23.5	45	0.8	132	711	102
<b>12-02-2023</b>	0.70	22.8	29.1	2.0	6.0	40.0	99.8	0.24	24.0	44	0.9	138	711	100
<b>13-02-2023</b>	1.03	29.8	27.6	2.1	5.5	42.1	105.6	0.27	24.2	42	1.1	128	711	104
<b>14-02-2023</b>	0.69	28.2	31.4	2.0	6.2	42.9	107.0	0.28	23.8	41	1.0	130	711	105
<b>15-02-2023</b>	0.56	28.2	30.6	2.0	5.2	43.0	107.5	0.26	23.9	45	1.0	129	709	105
<b>16-02-2023</b>	0.75	31.8	27.0	2.1	5.2	45.3	113.3	0.25	24.0	44	1.2	125	709	109
<b>17-02-2023</b>	0.66	28.5	29.4	2.0	4.8	42.5	106.0	0.25	23.7	45	1.0	127	710	104
<b>18-02-2023</b>	0.39	32.0	25.9	2.1	4.7	42.5	106.2	0.00	23.9	48	1.0	132	710	104
<b>19-02-2023</b>	0.50	26.3	23.5	2.0	4.4	29.5	73.8	0.00	23.9	52	0.9	134	710	74
<b>20-02-2023</b>	0.75	25.4	26.4	1.9	5.2	30.6	76.5	0.00	23.9	54	0.9	138	710	77
<b>21-02-2023</b>	0.49	30.0	27.3	2.0	5.2	36.3	90.7	0.00	24.3	46	1.0	129	715	91
<b>22-02-2023</b>	0.46	35.7	25.5	2.0	5.3	43.4	108.6	0.03	24.3	47	1.1	123	711	106
<b>23-02-2023</b>	0.35	32.7	28.1	2.0	6.1	44.5	111.1	0.03	23.7	43	1.0	126	712	107
<b>24-02-2023</b>	0.34	22.7	28.9	2.0	4.9	30.5	76.4	0.03	23.9	46	1.0	132	711	76
<b>25-02-2023</b>	0.45	25.1	34.4	1.9	5.3	37.4	93.5	0.05	24.3	41	1.0	132	719	94
<b>26-02-2023</b>	0.36	41.1	23.6	2.1	6.2	46.7	117.0	0.04	23.9	39	1.2	123	714	111
<b>27-02-2023</b>	0.82	26.7	27.4	2.0	5.4	35.5	88.8	0.09	22.9	43	1.1	131	718	89
<b>28-02-2023</b>	1.22	29.9	29.2	2.0	5.2	38.5	96.3	0.14	22.9	49	1.3	135	715	96
<b>Average</b>	<b>0.55</b>	<b>30.6</b>	<b>27.2</b>	<b>2.0</b>	<b>5.2</b>	<b>39.4</b>	<b>98.6</b>	<b>0.17</b>	<b>23.7</b>	<b>48</b>	<b>1.0</b>	<b>129</b>	<b>711</b>	*
<b>Maximum</b>	1.22	41.1	34.4	2.1	6.2	46.8	117.3	0.35	24.3	62	1.3	161	719	*
<b>Minimum</b>	0.26	22.7	21.3	1.9	4.0	29.5	73.8	0.00	21.8	39	0.7	106	709	*

### Silkboard-February-2023

Date	CO mg/m <sup>3</sup>	Ozone µg/m <sup>3</sup>	NO2 µg/m <sup>3</sup>	NH3 µg/m <sup>3</sup>	SO2 µg/m <sup>3</sup>	PM2.5 µg/m <sup>3</sup>	PM10 µg/m <sup>3</sup>	BEN µg/m <sup>3</sup>	AT °C	RH %	WS m/s	WD deg.	BP mmHg	AQI
01-02-2023	0.64	27.2	8.6	11.5	5.4	54.2	97.7	0.16	22.2	59	1.2	141	689	98
02-02-2023	0.59	30.1	10.4	10.2	5.6	48.4	87.2	0.15	21.9	51	1.2	97	689	87
03-02-2023	0.71	26.6	10.0	10.5	5.3	44.6	80.3	0.18	21.8	61	1.0	106	689	80
04-02-2023	0.51	28.1	14.4	8.4	5.5	43.7	78.8	0.13	23.9	49	1.2	90	689	79
05-02-2023	0.62	28.1	29.1	3.0	5.8	46.1	83.1	0.14	24.0	50	1.2	90	689	83
06-02-2023	0.73	30.1	27.1	5.1	5.5	50.8	91.5	0.18	23.2	48	1.1	83	689	92
07-02-2023	0.75	31.1	29.1	9.6	5.2	55.9	103.8	0.19	24.1	50	1.0	111	689	103
08-02-2023	0.72	30.5	28.0	8.0	5.4	64.5	122.8	0.18	24.1	52	1.0	94	689	117
09-02-2023	0.60	34.9	26.5	8.4	5.3	62.6	118.2	0.15	23.9	52	1.1	85	690	117
10-02-2023	0.74	27.3	29.9	8.3	5.4	55.4	105.4	0.24	23.5	46	1.0	93	690	103
11-02-2023	0.73	27.4	29.3	8.2	5.5	61.7	117.3	0.18	23.5	45	0.9	98	691	111
12-02-2023	0.63	28.9	27.7	8.1	5.4	55.1	104.8	0.16	24.1	43	1.1	77	691	103
13-02-2023	0.64	30.6	26.9	7.5	5.8	59.7	113.7	0.16	24.0	42	1.1	121	691	109
14-02-2023	0.74	27.8	28.8	7.2	5.7	59.0	112.1	0.18	23.9	40	1.0	84	690	108
15-02-2023	0.72	27.8	27.4	6.8	5.5	59.0	112.0	0.19	23.9	43	1.1	87	689	108
16-02-2023	0.54	30.3	24.9	6.4	5.5	53.0	100.8	0.14	23.8	44	1.1	101	689	101
17-02-2023	0.57	29.6	23.1	6.4	5.4	52.0	98.8	0.14	23.8	44	1.1	84	690	99
18-02-2023	0.60	31.9	23.3	7.4	5.4	53.3	101.4	0.15	24.1	46	1.1	84	690	101
19-02-2023	0.41	31.4	20.2	7.4	5.1	32.6	62.1	0.10	24.0	51	1.1	94	690	62
20-02-2023	0.73	29.5	21.5	7.3	5.2	40.0	76.2	0.18	23.8	53	1.0	92	690	76
21-02-2023	0.71	30.0	23.2	7.1	5.2	47.3	89.8	0.18	24.5	42	1.1	94	690	90
22-02-2023	0.57	37.1	20.7	6.6	5.5	59.3	112.7	0.15	24.5	44	1.2	86	690	109
23-02-2023	0.59	36.3	19.3	5.5	5.8	54.8	104.2	0.15	23.8	40	1.2	91	690	103
24-02-2023	0.55	27.1	20.3	6.2	5.3	42.2	80.1	0.14	23.8	44	1.1	102	690	80
25-02-2023	0.66	33.0	21.7	5.6	5.4	51.2	97.5	0.16	24.5	40	1.1	83	692	97
26-02-2023	0.56	42.9	18.1	4.6	6.0	61.4	116.8	0.15	23.9	37	1.3	103	692	111
27-02-2023	0.53	34.0	17.3	5.4	5.6	42.3	80.5	0.14	23.2	42	1.3	85	692	81
28-02-2023	0.67	37.6	17.1	4.5	5.6	55.2	104.8	0.17	23.1	48	1.4	92	692	103
Average	<b>0.63</b>	<b>31.0</b>	<b>22.3</b>	<b>7.2</b>	<b>5.5</b>	<b>52.3</b>	<b>98.4</b>	<b>0.16</b>	<b>23.7</b>	<b>47</b>	<b>1.1</b>	<b>95</b>	<b>690</b>	*
Maximum	0.75	42.9	29.9	11.5	6.0	64.5	122.8	0.24	24.5	61	1.4	141	692	*
Minimum	0.41	26.6	8.6	3.0	5.1	32.6	62.1	0.10	21.8	37	0.9	77	689	*

### 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 February-2023 reveals that the Air quality is Satisfactory to Moderate in almost all days over the number of days monitored.*

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