



## KARNATAKA STATE POLLUTION CONTROL BOARD

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

### *Air Quality Monitoring Cell*

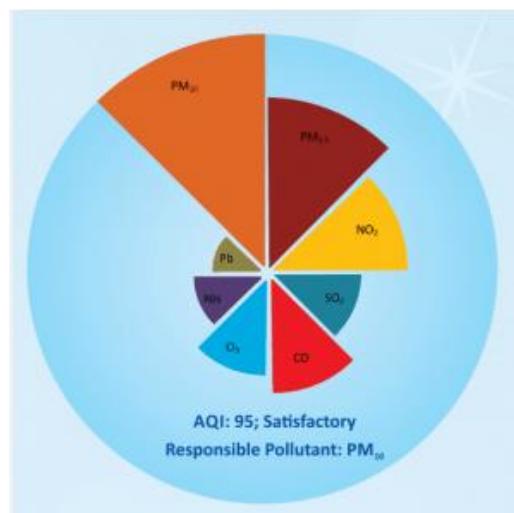
#### Air Quality Index of CAAQM Stations monitored in Bengaluru city-March-2023 •

#### 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 March-2023 is as shown below:

Daily AQI Values of Bengaluru (March-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
01-03-2023	86	54	91	92	96	94	100
02-03-2023	91	47	97	101	103	93	98
03-03-2023	97	52	105	114	110	114	116
04-03-2023	91	49	100	108	103	95	106
05-03-2023	90	45	100	111	94	87	104
06-03-2023	87	49	98	98	102	103	97
07-03-2023	87	43	96	94	98	95	94
08-03-2023	80	41	84	93	96	88	93
09-03-2023	84	57	91	92	97	87	101
10-03-2023	85	55	88	99	97	89	107
11-03-2023	88	59	90	108	104	91	109
12-03-2023	83	58	71	89	77	64	75
13-03-2023	83	59	86	110	81	81	100
14-03-2023	89	51	93	110	99	86	106
15-03-2023	98	40	105	117	*	98	124
16-03-2023	97	59	105	99	80	97	128
17-03-2023	80	52	60	76	68	69	97
18-03-2023	82	51	61	59	49	52	78
19-03-2023	94	50	51	53	54	49	82
20-03-2023	105	46	64	51	61	45	83
21-03-2023	87	57	75	92	*	67	100
22-03-2023	101	37	90	96	*	85	100
23-03-2023	90	46	70	81	*	73	90
24-03-2023	84	49	61	72	*	61	78
25-03-2023	89	43	68	82	50	60	75
26-03-2023	92	41	65	78	69	62	79
27-03-2023	95	50	68	*	93	73	96
28-03-2023	86	74	90	*	107	98	109
29-03-2023	84	69	87	79	74	80	108
30-03-2023	80	53	60	69	72	60	87
31-03-2023	90	58	64	77	71	63	84
Min	80	37	51	51	49	45	75
Max	105	74	105	117	110	114	128

\* Data Not available

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

City Railway Station-March-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
01-03-2023	26.6	19.6	0.88	85.5	86
02-03-2023	26.6	19.6	0.89	91.4	91
03-03-2023	26.5	19.6	0.85	96.8	97
04-03-2023	26.5	19.6	0.90	91.1	91
05-03-2023	26.6	19.6	0.89	90.3	90
06-03-2023	26.6	19.5	1.21	86.5	87
07-03-2023	26.5	19.6	1.21	87.0	87
08-03-2023	26.5	19.5	1.19	80.4	80
09-03-2023	26.6	19.6	1.33	83.6	84
10-03-2023	26.5	19.6	1.15	84.9	85
11-03-2023	26.5	19.6	1.25	88.4	88
12-03-2023	26.6	19.5	1.18	82.9	83
13-03-2023	26.5	19.5	1.29	83.3	83
14-03-2023	26.6	19.6	1.19	89.2	89
15-03-2023	26.5	19.5	1.24	97.6	98
16-03-2023	26.6	19.6	1.18	97.1	97
17-03-2023	26.7	19.5	1.28	79.7	80
18-03-2023	26.6	19.6	1.19	82.0	82
19-03-2023	26.5	19.6	1.09	94.3	94
20-03-2023	26.6	19.6	1.13	107.7	105
21-03-2023	26.6	19.6	1.25	86.7	87
22-03-2023	26.5	19.6	1.20	100.5	101
23-03-2023	26.6	19.6	1.24	89.9	90
24-03-2023	26.6	19.6	1.16	83.7	84
25-03-2023	26.5	19.6	1.09	88.8	89
26-03-2023	26.6	19.6	1.11	91.6	92
27-03-2023	26.6	19.5	1.29	95.1	95
28-03-2023	26.6	19.6	1.27	86.4	86
29-03-2023	26.6	19.6	1.19	83.6	84
30-03-2023	26.5	19.6	1.54	79.6	80
31-03-2023	26.5	19.6	1.30	89.6	90
<b>Minimum</b>	26.5	19.5	0.85	79.6	*
<b>Maximum</b>	26.7	19.6	1.54	107.7	*
<b>Average</b>	26.6	19.6	1.17	88.9	*

Saneguruvanahalli-March-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 degree C	HR %	WS m/s	WD degree	SR W/m <sup>2</sup>	AQI
01-03-2023	23.7	6.0	0.86	54.3	24.89	61.73	0.56	149.18	140.36	54
02-03-2023	22.9	8.4	0.85	47.4	25.18	46.92	0.45	162.88	125.69	47
03-03-2023	23.8	11.0	0.88	52.0	25.73	44.93	0.42	165.77	145.60	52
04-03-2023	23.4	9.3	0.93	49.0	25.47	53.37	0.46	178.73	120.79	49
05-03-2023	22.6	4.8	0.76	44.5	25.33	48.45	0.42	186.07	136.66	45
06-03-2023	25.6	6.5	0.80	48.6	25.66	47.55	0.44	175.11	150.94	49
07-03-2023	25.4	6.8	0.86	43.3	25.78	52.11	0.43	179.73	145.41	43
08-03-2023	21.3	4.4	0.86	41.3	25.36	57.98	0.46	171.92	147.13	41

09-03-2023	21.4	8.4	0.95	57.1	23.76	65.72	0.60	201.29	151.80	57
10-03-2023	21.6	5.7	0.97	55.4	22.07	74.56	0.57	164.26	113.15	55
11-03-2023	20.2	7.4	0.93	59.0	22.09	72.62	0.73	197.99	110.80	59
12-03-2023	20.6	9.3	0.99	57.8	22.29	65.75	0.82	203.10	140.85	58
13-03-2023	22.4	7.6	0.90	58.5	21.50	82.54	0.65	192.90	88.20	59
14-03-2023	22.8	3.9	0.96	50.6	23.13	75.42	0.72	197.36	111.42	51
15-03-2023	23.2	8.1	0.93	39.9	23.41	66.76	0.60	167.46	148.14	40
16-03-2023	21.4	7.6	1.08	59.2	23.59	64.28	0.62	158.21	155.02	59
17-03-2023	22.8	5.6	0.91	52.3	23.22	62.15	0.59	136.44	146.28	52
18-03-2023	20.6	2.6	0.90	50.6	23.06	58.00	0.56	145.33	148.54	51
19-03-2023	19.3	4.1	0.88	50.0	23.32	64.54	0.49	136.88	148.96	50
20-03-2023	19.7	3.8	0.85	45.9	23.17	76.16	0.66	167.25	103.29	46
21-03-2023	20.7	4.9	0.86	56.5	22.29	65.29	0.73	161.13	117.10	57
22-03-2023	20.0	5.4	0.89	36.8	23.01	58.38	0.70	211.57	124.11	37
23-03-2023	20.1	5.0	0.91	46.2	21.92	52.41	0.77	223.02	97.30	46
24-03-2023	22.5	5.4	0.88	49.3	22.11	66.93	0.92	133.15	83.57	49
25-03-2023	20.4	6.4	0.87	43.0	23.64	53.89	0.95	152.32	137.40	43
26-03-2023	21.3	6.7	0.88	41.2	23.98	51.10	0.94	157.61	147.70	41
27-03-2023	22.5	5.0	0.88	50.2	23.65	47.97	0.96	145.11	125.69	50
28-03-2023	21.7	7.0	0.89	74.4	24.03	52.99	0.93	170.48	136.86	74
29-03-2023	20.3	4.5	0.83	68.9	23.52	58.10	0.97	173.28	127.43	69
30-03-2023	18.8	7.7	0.80	52.9	23.05	51.15	1.03	176.58	135.02	53
31-03-2023	14.3	8.1	0.82	57.8	23.54	45.03	0.97	172.08	135.17	58
<b>Minimum</b>	14.3	2.6	0.76	36.8	21.50	44.93	0.42	133.15	83.57	*
<b>Maximum</b>	25.6	11.0	1.08	74.4	25.78	82.54	1.03	223.02	155.02	*
<b>Average</b>	21.5	6.4	0.89	51.4	23.64	59.51	0.68	171.43	130.53	*

### Hebbal-March-2023

Date	CO (mg/m³)	Ozone (µg/m³)	NO2 (µg/m³)	NH3 (µg/m³)	SO2 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	BEN. (µg/m³)	AT (°C)	RH (%)	WS (m/s)	WD (deg)	BP (mmHg)	AQI
01-03-2023	0.45	25.0	36.2	10.2	11.0	52.0	90.6	0.2	24.6	57	0.8	106	643	91
02-03-2023	0.37	19.0	34.6	8.9	10.9	44.0	97.3	0.1	24.1	44	0.7	99	699	97
03-03-2023	0.45	20.7	39.5	11.8	10.5	48.8	106.9	0.2	24.2	35	0.7	95	714	105
04-03-2023	0.39	18.3	40.4	12.3	10.4	46.5	100.2	0.1	25.0	34	0.7	99	714	100
05-03-2023	0.44	17.2	33.6	12.5	10.4	46.4	100.0	0.2	25.5	35	0.7	99	714	100
06-03-2023	0.39	22.5	42.8	13.4	10.7	42.7	98.4	0.1	25.2	38	0.7	99	713	98
07-03-2023	0.46	23.6	43.4	14.2	11.1	44.0	96.1	0.2	24.6	40	0.7	94	695	96
08-03-2023	0.38	27.0	33.8	13.5	11.0	41.4	83.7	0.1	25.1	47	0.7	101	710	84
09-03-2023	0.42	34.9	53.4	16.3	10.8	46.9	91.2	0.1	27.0	37	0.8	104	708	91
10-03-2023	0.41	23.2	38.4	12.2	11.1	42.5	88.0	0.1	24.6	47	0.7	98	711	88
11-03-2023	0.43	26.6	36.9	14.3	11.0	45.7	90.4	0.1	24.8	50	0.7	93	711	90
12-03-2023	0.41	16.6	27.0	11.0	10.7	36.0	70.7	0.1	25.2	53	0.8	110	710	71
13-03-2023	0.46	25.8	36.1	12.9	11.0	46.8	85.7	0.2	26.1	52	0.8	120	654	86
14-03-2023	0.51	17.5	32.1	15.7	10.5	44.8	92.6	0.2	26.7	44	0.8	109	601	93
15-03-2023	0.40	23.6	29.8	18.9	10.1	57.9	107.0	0.1	26.8	50	0.9	129	625	105
16-03-2023	0.37	23.0	21.7	19.4	10.1	61.5	105.0	0.1	25.5	64	1.0	144	657	105
17-03-2023	0.17	16.0	21.0	15.7	10.6	37.9	59.8	0.1	24.7	73	0.9	132	715	60
18-03-2023	0.33	18.6	22.6	19.0	9.3	29.5	60.8	0.1	27.5	57	1.0	157	708	61
19-03-2023	0.32	15.1	14.8	16.3	9.0	32.0	50.5	0.1	24.8	58	1.1	173	708	51
20-03-2023	0.69	18.2	16.4	8.2	7.2	30.1	63.9	0.2	25.9	49	1.4	202	695	64
21-03-2023	0.55	20.7	18.4	9.5	7.8	28.1	74.5	0.2	26.0	42	1.0	185	698	75
22-03-2023	0.38	19.5	21.1	16.3	9.4	49.6	90.1	0.1	26.6	55	0.8	112	709	90
23-03-2023	0.44	20.3	17.2	13.5	10.0	-	70.2	0.1	26.6	53	0.8	123	710	70
24-03-2023	0.36	23.2	16.2	12.7	10.1	16.8	60.8	0.1	27.3	54	0.9	141	702	61
25-03-2023	0.45	21.8	20.4	10.8	10.3	17.8	68.3	0.2	26.7	60	0.9	141	709	68
26-03-2023	0.39	18.3	18.3	9.1	10.4	17.0	65.3	0.1	27.1	55	0.9	131	709	65
27-03-2023	0.44	18.4	17.1	8.3	10.5	17.8	68.3	0.2	26.7	49	0.9	132	709	68
28-03-2023	0.53	25.3	28.4	11.0	10.1	23.5	90.1	0.2	28.0	47	0.8	115	708	90
29-03-2023	0.43	26.2	18.6	12.6	9.9	23.7	87.3	0.1	26.9	63	1.0	147	709	87
30-03-2023	0.31	27.2	15.6	10.3	10.4	15.8	60.1	0.1	26.7	59	0.9	144	709	60
31-03-2023	0.42	32.5	19.2	11.0	10.6	25.6	63.8	0.1	27.3	57	0.9	141	708	64
Average	<b>0.42</b>	<b>22.1</b>	<b>27.9</b>	<b>13.0</b>	<b>10.2</b>	<b>37.1</b>	<b>81.9</b>	<b>0.1</b>	<b>25.9</b>	<b>50</b>	<b>0.9</b>	<b>125</b>	<b>696</b>	*
Minimum	0.17	15.1	14.8	8.2	7.2	15.8	50.5	0.1	24.1	34	0.7	93	601	*
Maximum	0.69	34.9	53.4	19.4	11.1	61.5	107.0	0.2	28.0	73	1.4	202	715	*

### Jayanagar-March-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>01-03-2023</b>	0.46	28.2	25.2	7.7	2.8	48.5	91.6	0.26	24.7	56	0.7	116	714	<b>92</b>
<b>02-03-2023</b>	0.29	22.9	28.9	7.6	2.7	43.2	101.4	0.16	24.3	45	0.8	122	714	<b>101</b>
<b>03-03-2023</b>	0.32	22.8	32.3	7.6	2.7	48.1	121.0	0.18	24.3	34	0.7	130	715	<b>114</b>
<b>04-03-2023</b>	0.40	30.1	34.4	7.5	2.8	47.5	112.3	0.21	25.2	32	0.7	126	714	<b>108</b>
<b>05-03-2023</b>	0.34	35.8	37.7	7.4	2.3	47.8	115.9	0.19	25.8	33	0.7	118	714	<b>111</b>
<b>06-03-2023</b>	0.34	42.7	35.3	7.2	2.9	40.5	98.1	0.19	25.4	37	0.7	114	713	<b>98</b>
<b>07-03-2023</b>	0.36	31.3	38.4	7.2	3.2	40.7	94.1	0.20	25.1	38	0.7	126	712	<b>94</b>
<b>08-03-2023</b>	0.32	21.4	35.5	7.8	2.8	44.0	93.0	0.18	25.0	46	0.8	114	712	<b>93</b>
<b>09-03-2023</b>	0.46	29.6	36.5	7.9	2.5	48.5	91.5	0.26	24.4	45	0.6	108	711	<b>92</b>
<b>10-03-2023</b>	0.38	28.9	38.7	7.8	2.8	41.8	99.3	0.21	24.8	44	0.7	117	711	<b>99</b>
<b>11-03-2023</b>	0.44	32.0	40.9	7.7	2.7	47.9	112.4	0.25	25.1	48	0.6	119	711	<b>108</b>
<b>12-03-2023</b>	0.36	31.5	41.2	7.5	3.1	39.9	88.6	0.20	25.5	52	0.7	114	711	<b>89</b>
<b>13-03-2023</b>	0.43	33.8	35.3	7.8	2.2	54.3	115.6	0.24	26.2	52	0.7	122	710	<b>110</b>
<b>14-03-2023</b>	0.46	28.9	36.8	7.6	2.6	48.5	115.6	0.26	26.9	43	0.6	126	708	<b>110</b>
<b>15-03-2023</b>	0.33	29.2	35.9	8.1	3.0	59.2	125.7	0.19	27.1	48	0.7	150	708	<b>117</b>
<b>16-03-2023</b>	0.31	30.9	32.9	8.2	3.1	58.3	98.6	0.17	25.5	63	0.9	173	709	<b>99</b>
<b>17-03-2023</b>	0.41	35.3	35.4	7.5	3.0	40.2	76.3	0.23	24.8	68	0.6	155	709	<b>76</b>
<b>18-03-2023</b>	0.26	34.9	34.4	7.4	2.5	29.1	58.5	0.15	24.7	68	0.8	166	710	<b>59</b>
<b>19-03-2023</b>	0.20	35.1	29.9	7.4	2.7	32.1	53.0	0.11	25.7	55	1.4	218	707	<b>53</b>
<b>20-03-2023</b>	0.19	34.9	-	-	2.8	27.6	51.0	0.10	26.0	48	1.2	221	707	<b>51</b>
<b>21-03-2023</b>	0.46	34.7	-	-	3.1	30.9	91.5	0.26	25.8	42	0.9	223	707	<b>92</b>
<b>22-03-2023</b>	0.26	35.0	-	-	2.3	44.2	96.3	0.14	27.2	46	0.6	191	708	<b>96</b>
<b>23-03-2023</b>	0.51	28.9	6.1	4.9	3.5	35.8	81.4	0.28	27.2	51	0.8	194	708	<b>81</b>
<b>24-03-2023</b>	0.25	33.2	7.2	5.4	1.6	31.1	71.6	0.14	27.6	54	0.8	184	708	<b>72</b>
<b>25-03-2023</b>	0.24	26.5	7.6	7.0	3.3	31.2	81.9	0.13	26.8	58	0.9	174	709	<b>82</b>
<b>26-03-2023</b>	0.16	36.9	7.4	7.0	2.6	32.9	77.9	0.09	27.4	52	1.0	204	709	<b>78</b>
<b>27-03-2023</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	*
<b>28-03-2023</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	*
<b>29-03-2023</b>	0.30	21.7	7.6	6.9	4.3	33.3	79.0	0.17	29.4	49	1.1	192	709	<b>79</b>
<b>30-03-2023</b>	0.38	21.6	7.5	7.0	3.2	31.3	68.8	0.21	27.3	54	1.0	201	709	<b>69</b>
<b>31-03-2023</b>	0.33	21.7	8.7	7.6	2.9	34.3	76.8	0.18	27.3	55	1.0	184	708	<b>77</b>
<b>Average</b>	<b>0.34</b>	<b>30.4</b>	<b>27.6</b>	<b>7.3</b>	<b>2.8</b>	<b>41.1</b>	<b>91.0</b>	<b>0.19</b>	<b>25.9</b>	<b>49</b>	<b>0.8</b>	<b>155</b>	<b>710</b>	*
<b>Maximum</b>	0.51	42.7	41.2	8.2	4.3	59.2	125.7	0.28	29.4	68	1.4	223	715	*
<b>Minimum</b>	0.16	21.4	6.1	4.9	1.6	27.6	51.0	0.09	24.3	32	0.6	108	707	*

KAVIKA-March-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	
01-03-2023	0.98	21.0	62.3	75.6	5.8	33.7	96.3	0.14	25.4	43	0.3	129	725	96	
02-03-2023	0.84	21.4	75.2	70.1	5.9	36.8	105.1	0.12	25.3	43	0.3	124	725	103	
03-03-2023	0.89	22.1	84.2	77.8	6.9	40.3	114.8	0.12	25.5	43	0.3	131	726	110	
04-03-2023	0.98	21.8	86.0	96.1	6.5	36.7	104.5	0.13	26.2	43	0.3	127	725	103	
05-03-2023	0.82	21.3	74.7	87.4	6.0	32.9	93.8	0.11	26.8	43	0.3	130	725	94	
06-03-2023	0.91	20.6	77.0	88.8	5.8	35.9	102.8	0.13	26.4	43	0.3	131	723	102	
07-03-2023	0.91	20.3	74.1	86.8	6.7	34.5	97.8	0.13	25.9	43	0.3	131	723	98	
08-03-2023	0.84	20.2	70.9	79.7	6.4	33.6	95.8	0.12	25.7	43	0.3	126	723	96	
09-03-2023	0.91	21.1	81.5	80.2	5.9	34.5	97.1	0.31	25.4	43	0.3	128	722	97	
10-03-2023	0.82	20.6	71.3	79.9	5.9	36.3	96.9	0.11	25.7	43	0.3	133	722	97	
11-03-2023	1.01	20.7	76.3	100.9	6.5	37.3	106.6	0.14	25.9	43	0.3	126	721	104	
12-03-2023	0.73	20.0	49.9	82.3	5.6	26.8	76.5	0.10	26.1	43	0.3	129	721	77	
13-03-2023	0.87	19.2	49.0	83.7	5.0	28.3	80.5	0.12	27.2	43	0.3	143	720	81	
14-03-2023	0.82	20.8	45.9	70.4	5.4	107.8	98.9	0.12	23.6	44	0.3	129	720	99	
15-03-2023	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
16-03-2023	1.08	8.5	49.4	90.9	5.0	28.7	79.6	0.15	28.4	42	0.3	179	718	80	
17-03-2023	0.52	17.8	45.7	73.7	5.1	25.0	68.2	0.03	26.2	43	0.3	168	719	68	
18-03-2023	0.47	17.7	33.9	62.0	5.7	17.2	49.0	-	26.1	43	0.3	167	718	49	
19-03-2023	0.30	18.2	34.5	61.7	5.9	47.0	53.8	0.43	26.8	43	0.3	238	717	54	
20-03-2023	0.79	19.6	29.6	53.0	5.6	21.3	60.8	0.03	23.1	43	0.3	247	717	61	
21-03-2023	1.03	-	-	-	6.0	-	-	0.14	-	43	0.3	239	717	*	
22-03-2023	0.88	-	-	-	5.9	-	-	0.12	0.0	43	0.3	204	718	*	
23-03-2023	1.03	-	-	-	5.7	-	-	0.14	-	43	0.3	228	718	*	
24-03-2023	0.67	-	-	-	5.5	-	-	0.09	5.5	43	0.3	224	718	*	
25-03-2023	0.24	24.0	32.0	77.0	4.9	23.7	49.5	0.04	10.8	43	0.3	212	719	50	
26-03-2023	2.00	25.2	38.0	63.6	4.5	25.8	68.8	0.28	28.4	43	0.3	228	719	69	
27-03-2023	1.27	21.9	60.9	79.2	5.1	33.4	93.0	0.18	28.9	43	0.3	211	719	93	
28-03-2023	1.04	23.5	72.3	100.6	5.0	38.5	110.0	0.15	30.3	43	0.3	174	718	107	
29-03-2023	2.88	22.2	38.2	83.4	5.1	54.0	73.8	0.40	28.8	43	0.3	214	719	74	
30-03-2023	0.98	22.3	49.6	75.4	5.5	25.3	72.1	0.14	28.1	43	0.3	231	719	72	
31-03-2023	0.97	23.1	46.4	72.4	5.4	24.8	70.9	0.14	28.5	43	0.3	220	718	71	
Average	0.95	20.6	58.0	79.0	5.7	35.4	85.3	0.15	24.3	43	0.3	173	720	*	
Maximum	2.88	25.2	86.0	100.9	6.9	107.8	114.8	0.43	30.3	44	0.3	247	726	*	
Minimum	0.24	8.5	29.6	53.0	4.5	17.2	49.0	0.03	0.0	42	0.3	124	717	*	

NIMHANS-March-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	
01-03-2023	0.50	31.7	22.6	2.0	4.6	37.7	94.4	0.06	23.7	59	1.4	129	713	94	
02-03-2023	0.30	34.7	22.5	2.0	4.7	37.0	92.5	0.03	23.5	47	1.5	129	714	93	
03-03-2023	0.34	33.6	26.9	2.0	5.7	48.5	121.2	0.04	23.5	37	1.3	131	714	114	
04-03-2023	0.30	30.8	27.1	1.9	5.4	38.0	94.9	0.03	24.2	34	1.2	131	716	95	
05-03-2023	0.38	36.1	23.3	2.0	5.6	34.9	87.0	0.04	24.9	35	1.2	126	713	87	
06-03-2023	0.44	27.7	27.1	2.0	5.0	41.8	104.1	0.05	24.3	40	1.2	131	714	103	
07-03-2023	0.30	26.3	25.4	2.0	5.4	38.0	95.2	0.03	24.1	42	1.1	137	714	95	
08-03-2023	0.47	30.5	23.2	2.0	5.1	35.0	87.7	0.05	24.0	49	1.3	127	711	88	
09-03-2023	0.46	33.0	24.7	2.0	4.1	34.9	87.3	0.05	23.6	47	1.0	128	713	87	
10-03-2023	0.50	28.6	24.8	2.0	4.0	35.4	88.6	0.06	23.8	49	1.1	134	710	89	

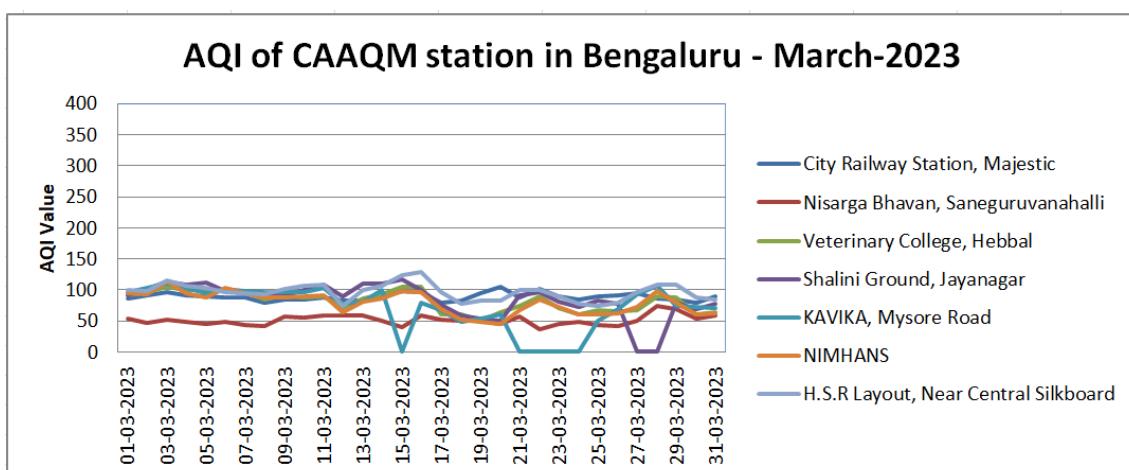
11-03-2023	0.31	29.6	24.0	2.0	5.2	36.5	91.0	0.03	24.1	50	1.1	128	710	91
12-03-2023	0.90	23.8	19.9	2.0	3.8	25.6	64.0	0.10	24.4	55	1.2	131	710	64
13-03-2023	0.53	30.0	21.7	2.0	3.6	32.2	80.7	0.06	25.4	54	1.3	140	709	81
14-03-2023	0.40	27.4	26.5	2.0	3.7	34.3	85.8	0.12	26.0	47	0.8	144	710	86
15-03-2023	0.41	35.0	22.4	2.0	4.0	39.5	98.4	0.05	26.2	53	0.9	157	707	98
16-03-2023	0.58	31.1	19.6	2.1	4.7	38.9	97.0	0.07	25.3	65	1.1	183	708	97
17-03-2023	0.49	21.6	24.5	2.0	3.8	27.5	68.8	0.05	24.5	69	0.8	159	708	69
18-03-2023	0.32	20.2	20.9	2.0	4.3	20.6	51.7	0.03	24.6	67	1.1	184	707	52
19-03-2023	0.24	21.3	18.1	2.0	3.1	20.9	49.0	0.03	25.8	55	2.0	279	707	49
20-03-2023	0.28	20.5	19.3	2.0	3.2	18.0	45.2	0.03	26.1	49	1.7	278	709	45
21-03-2023	0.48	21.0	23.6	1.9	3.9	26.6	66.7	0.05	25.6	44	1.2	239	709	67
22-03-2023	0.30	34.4	24.4	2.0	3.9	34.0	84.9	0.03	26.7	50	0.6	188	707	85
23-03-2023	0.40	30.8	22.2	2.0	4.6	29.0	72.6	0.05	26.9	53	1.0	218	707	73
24-03-2023	0.26	36.6	18.7	2.0	4.2	24.3	60.8	0.03	27.7	54	1.1	209	707	61
25-03-2023	0.37	32.0	18.9	2.0	4.1	23.9	59.7	0.04	26.8	58	1.1	187	709	60
26-03-2023	0.25	31.5	19.2	2.0	3.8	24.8	62.1	0.03	27.5	53	1.1	225	708	62
27-03-2023	0.48	26.2	24.7	1.9	3.3	29.1	72.8	0.06	27.5	44	1.3	207	708	73
28-03-2023	0.33	31.1	28.8	1.9	4.4	39.1	97.7	0.04	28.2	45	0.9	149	708	98
29-03-2023	0.52	32.3	19.8	2.0	4.4	31.8	79.7	0.05	27.5	59	1.3	203	709	80
30-03-2023	0.33	36.4	18.4	2.0	3.7	24.1	60.1	0.04	27.1	55	1.4	228	708	60
31-03-2023	0.48	34.1	22.6	2.0	3.8	25.2	63.3	0.05	27.2	56	1.2	221	707	63
Average	0.41	29.7	22.8	2.0	4.3	31.8	79.5	0.05	25.5	51	1.2	173	710	*
Maximum	0.90	36.6	28.8	2.1	5.7	48.5	121.2	0.12	28.2	69	2.0	279	716	*
Minimum	0.24	20.2	18.1	1.9	3.1	18.0	45.2	0.03	23.5	34	0.6	126	707	*

Silkboard-March-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
01-03-2023	0.57	38.6	12.8	3.2	5.4	49.1	99.7	0.15	23.7	57	1.6	86	692	100
02-03-2023	0.45	39.1	13.6	3.6	5.4	44.6	98.1	0.11	23.4	46	1.5	91	692	98
03-03-2023	0.59	35.6	17.1	3.2	5.8	56.5	124.3	0.15	23.2	36	1.4	127	693	116
04-03-2023	0.60	34.0	16.5	3.7	5.8	49.6	109.1	0.15	24.2	34	1.3	124	693	106
05-03-2023	0.72	39.7	14.6	3.2	5.9	48.0	105.7	0.18	24.8	35	1.4	113	692	104
06-03-2023	0.60	34.8	13.8	2.2	5.7	43.8	96.5	0.15	24.3	38	1.4	123	692	97
07-03-2023	0.59	32.0	14.9	3.7	5.7	42.5	93.5	0.15	24.3	40	1.3	87	691	94
08-03-2023	0.44	36.5	12.1	3.0	5.8	42.2	92.8	0.11	24.0	47	1.5	88	691	93
09-03-2023	0.62	36.3	13.6	3.2	5.6	46.4	102.0	0.15	23.7	47	1.2	96	690	101
10-03-2023	0.56	27.6	14.7	2.9	5.5	50.6	110.8	0.14	23.0	49	1.2	101	691	107
11-03-2023	0.58	30.5	15.3	3.2	5.7	51.3	112.8	0.14	24.1	48	1.3	95	690	109
12-03-2023	0.46	29.4	11.6	2.9	5.7	34.1	75.1	0.12	24.4	53	1.4	91	690	75
13-03-2023	0.59	35.9	11.2	2.8	5.5	43.7	100.0	0.15	25.4	53	1.3	98	689	100
14-03-2023	0.61	33.3	12.7	2.5	5.6	43.7	109.4	0.15	26.2	44	1.1	92	688	106
15-03-2023	0.58	38.8	12.7	2.9	5.4	54.5	136.5	0.13	26.5	48	1.2	111	688	124
16-03-2023	0.71	32.9	12.2	2.6	5.7	56.5	141.4	0.18	25.0	64	1.4	145	688	128
17-03-2023	0.58	28.5	13.3	3.4	5.4	39.0	97.1	0.15	24.4	67	1.0	107	689	97
18-03-2023	0.56	24.2	14.9	4.4	5.5	31.1	78.0	0.14	24.2	67	1.2	140	688	78
19-03-2023	0.75	22.3	17.3	4.3	5.2	32.5	81.5	0.19	26.0	54	1.6	227	687	82
20-03-2023	0.80	21.1	18.1	3.8	5.5	33.0	82.8	0.20	26.4	46	1.5	232	687	83
21-03-2023	1.03	21.0	19.2	3.1	5.5	40.0	100.4	0.26	26.3	40	1.2	206	687	100
22-03-2023	0.54	25.8	13.9	2.2	5.7	41.4	99.6	0.13	25.9	49	1.0	141	688	100

23-03-2023	0.88	24.0	15.2	1.9	5.8	37.6	90.3	0.21	27.3	50	1.3	174	688	90
24-03-2023	0.67	34.5	12.5	1.8	5.5	32.3	77.5	0.16	27.5	53	1.3	169	687	78
25-03-2023	0.54	34.6	10.8	1.7	5.7	31.1	74.7	0.14	26.7	57	1.3	145	689	75
26-03-2023	0.70	50.1	12.4	1.9	5.6	32.8	78.5	0.17	27.5	51	1.2	182	688	79
27-03-2023	1.09	39.8	15.9	1.5	5.8	39.8	95.6	0.28	27.4	44	1.3	176	688	96
28-03-2023	0.86	33.4	14.8	2.0	5.8	47.3	113.3	0.21	28.3	45	1.0	122	688	109
29-03-2023	0.77	22.7	11.2	1.3	5.7	46.9	112.6	0.20	27.4	58	1.4	158	689	108
30-03-2023	0.80	27.7	13.1	1.5	5.8	36.1	86.5	0.20	27.2	53	1.4	202	688	87
31-03-2023	0.73	28.9	12.6	1.5	5.5	35.0	84.1	0.18	27.2	53	1.3	172	687	84
Average	<b>0.66</b>	<b>32.0</b>	<b>14.0</b>	<b>2.7</b>	<b>5.6</b>	<b>42.4</b>	<b>98.7</b>	<b>0.17</b>	<b>25.5</b>	<b>49</b>	<b>1.3</b>	<b>136</b>	<b>689</b>	*
Maximum	1.09	50.1	19.2	4.4	5.9	56.5	141.4	0.28	28.3	67	1.6	232	693	*
Minimum	0.44	21.0	10.8	1.3	5.2	31.1	74.7	0.11	23.0	34	1.0	86	687	*

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

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