KARNATAKA STATE POLLUTION CONTROL BOARD
No.49, ParisaraBhavan, Church Street, Bengaluru-560 001.

Air Quality Monitoring Cell
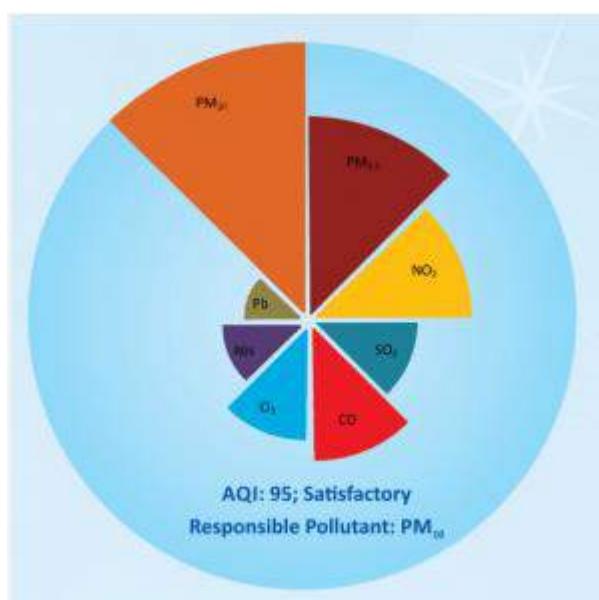
Air Quality Index of CAAQM Stations monitored in Bengaluru city**-December-2022**

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:

AQI: 95; Satisfactory
Responsible Pollutant: PM

The Karnataka State Pollution Control Board has installed 7 Continuous Ambient Air Quality Monitoring Stations (CAAQMs) covering Residential, Commercial, Mixed 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 **December-2022** is as shown below:

Daily AQI Values of Bengaluru (December-2022)							
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
01-12-2022	75	42	91	100	159	80	115
02-12-2022	90	41	62	75	67	49	66
03-12-2022	73	44	45	55	54	35	37
04-12-2022	74	46	54	62	80	42	76
05-12-2022	82	42	103	115	177	99	137
06-12-2022	93	42	107	167	200	111	154
07-12-2022	94	49	100	113	183	105	136
08-12-2022	73	50	99	115	171	100	130
09-12-2022	88	57	77	93	112	79	132
10-12-2022	65	53	23	22	42	24	60
11-12-2022	73	52	26	29	49	26	*
12-12-2022	75	68	35	35	49	30	*
13-12-2022	104	53	31	36	46	25	26
14-12-2022	86	57	50	48	64	36	45
15-12-2022	97	53	76	78	86	72	102
16-12-2022	105	53	79	82	99	77	113
17-12-2022	107	55	85	101	133	84	109
18-12-2022	111	57	99	136	165	97	126
19-12-2022	111	53	101	103	130	96	123
20-12-2022	104	54	80	82	90	71	87
21-12-2022	117	52	62	76	89	60	85
22-12-2022	119	63	76	92	135	74	102
23-12-2022	102	63	90	99	162	86	116
24-12-2022	102	62	79	91	141	77	88
25-12-2022	102	65	34	37	51	27	33
26-12-2022	102	56	36	32	47	22	38
27-12-2022	103	53	48	39	47	29	38
28-12-2022	105	60	54	48	54	37	38
29-12-2022	107	55	57	59	58	54	56
30-12-2022	105	58	71	69	82	67	68
31-12-2022	102	58	81	80	123	78	81
Min	65	41	23	22	42	22	26
Max	119	68	107	167	200	111	154

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

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

Daily AQI of CAAQM Stations

City Railway Station-December-2022					
Date	NO$_2$ ug/m3	SO$_2$ ug/m3	CO mg/m3	PM$_{10}$ug/m3	AQI
01-12-2022	23.6	23.4	1.46	74.9	75
02-12-2022	23.5	23.4	1.80	67.6	90
03-12-2022	27.4	20.2	1.45	58.3	73
04-12-2022	28.6	19.3	1.48	73.4	74
05-12-2022	28.7	19.3	1.27	81.5	82
06-12-2022	28.6	19.3	1.66	92.6	93
07-12-2022	28.6	19.4	1.26	94.2	94
08-12-2022	28.6	19.3	1.25	73.1	73
09-12-2022	28.6	19.3	1.37	87.8	88
10-12-2022	28.6	19.3	1.25	65.4	65
11-12-2022	28.5	19.3	1.24	72.7	73
12-12-2022	31.5	23.1	1.43	74.9	75
13-12-2022	32.5	24.3	2.35	77.2	104
14-12-2022	27.8	17.2	1.27	86.2	86
15-12-2022	26.6	15.2	1.94	96.1	97
16-12-2022	26.6	15.2	1.75	108.1	105
17-12-2022	26.5	15.2	1.75	110.0	107
18-12-2022	26.6	15.3	1.75	115.9	111
19-12-2022	26.5	15.2	2.03	116.7	111
20-12-2022	26.6	15.2	2.19	105.8	104
21-12-2022	26.7	15.2	2.19	125.4	117
22-12-2022	26.7	15.2	2.19	128.6	119
23-12-2022	26.6	15.2	2.19	94.0	102
24-12-2022	26.5	15.2	2.19	76.8	102

Date					
25-12-2022	26.5	15.2	2.18	57.2	102
26-12-2022	26.5	15.2	2.19	71.8	102
27-12-2022	26.5	15.2	2.20	74.3	103
28-12-2022	26.6	16.3	2.38	82.7	105
29-12-2022	26.5	17.2	2.54	98.5	107
30-12-2022	26.5	17.2	2.38	93.9	105
31-12-2022	26.5	14.6	2.19	83.4	102
Minimum	23.5	14.6	1.24	57.2	*
Maximum	32.5	24.3	2.54	128.6	*
Average	27.3	17.7	1.83	87.7	*

Saneguruvanahalli-December-2022										
Date	NO$_2$ ug/m3	SO$_2$ ug/m3	CO mg/m3	PM$_{10}$ ug/m3	TEMP degreC	HR %	WS m/s	WD degre	SR W/m2	AQI
01-12-2022	25.4	8.9	0.83	40.9	25.78	65.64	126.11	1.62	142.05	42
02-12-2022	24.0	7.9	0.72	40.0	25.80	75.57	128.37	1.20	142.13	41
03-12-2022	21.0	7.9	0.75	43.8	24.77	95.41	172.87	0.64	175.73	44
04-12-2022	20.1	8.3	0.74	46.0	25.25	94.77	246.00	0.78	170.17	46
05-12-2022	22.0	7.9	0.74	41.8	25.39	91.54	251.91	1.13	169.54	42
06-12-2022	23.9	8.1	0.75	41.7	25.44	92.06	147.43	1.13	166.85	42
07-12-2022	25.0	7.2	0.98	40.7	26.36	87.58	117.14	1.32	166.64	49
08-12-2022	22.7	6.9	0.74	50.0	26.05	90.21	120.67	1.59	88.18	50
09-12-2022	23.9	7.3	0.71	56.6	26.05	80.67	120.10	2.20	149.02	57
10-12-2022	24.5	7.5	0.84	52.5	26.55	57.19	118.17	2.11	203.62	53
11-12-2022	26.8	9.0	0.88	51.7	26.39	62.36	107.79	1.94	161.90	52
12-12-2022	24.4	9.1	0.87	68.3	25.81	66.05	116.97	1.52	164.83	68
13-12-2022	25.5	9.7	0.75	53.3	26.02	69.27	106.65	1.61	144.17	53
14-12-2022	25.2	11.1	0.94	56.7	25.97	66.38	113.42	1.65	146.03	57
15-12-2022	27.7	10.3	1.04	52.5	26.20	67.26	100.01	1.07	146.26	53
16-12-2022	27.4	10.0	ND	53.2	26.31	77.70	90.85	1.11	199.08	53
17-12-2022	22.1	8.7	0.79	55.4	26.23	80.07	107.11	1.23	189.55	55
18-12-2022	21.0	5.9	0.94	57.2	26.53	65.70	106.10	1.56	193.89	57
19-12-2022	22.2	6.5	0.78	52.7	25.49	74.59	117.48	1.79	190.68	53
20-12-2022	22.1	7.9	0.92	53.5	25.39	71.98	115.45	1.17	189.01	54
21-12-2022	23.6	8.6	0.80	52.3	24.79	66.08	130.89	0.61	164.91	52
22-12-2022	22.3	7.8	0.77	62.7	25.64	65.24	139.58	0.69	186.37	63
23-12-2022	23.2	8.2	0.79	62.5	26.05	72.82	119.79	0.88	179.53	63
24-12-2022	20.7	7.9	0.74	61.9	25.41	70.24	125.80	1.04	457.06	62
25-12-2022	20.5	8.3	0.77	65.0	26.06	62.82	119.09	1.11	185.36	65
26-12-2022	22.3	7.3	0.78	55.6	25.71	62.23	127.35	1.94	187.90	56
27-12-2022	24.4	7.3	0.75	52.8	26.29	63.06	125.53	2.03	188.24	53
28-12-2022	25.7	7.4	0.79	60.3	26.26	52.84	124.58	1.68	189.52	60
29-12-2022	25.0	7.3	0.81	55.2	26.77	65.59	123.24	2.13	171.22	55
30-12-2022	26.1	7.3	0.76	57.6	27.18	68.15	112.78	2.55	196.51	58
31-12-2022	24.0	16.2	0.85	57.5	25.77	78.45	142.89	1.29	133.49	58
Minimum	20.1	5.9	0.71	40.0	24.77	52.84	90.85	0.61	88.18	*

Maximum	27.7	16.2	1.04	68.3	27.18	95.41	251.91	2.55	457.06	*
Average	23.7	8.4	0.81	53.3	25.93	72.89	129.75	1.43	178.69	*

Hebbal-December-2022

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
01-12-2022	0.37	4.8	33.4	12.3	3.2	52.8	91.0	0.1	21.2	79	0.9	103	711	91
02-12-2022	0.44	2.8	31.9	8.9	2.6	26.9	61.5	0.1	22.7	75	0.9	106	710	62
03-12-2022	0.49	1.3	31.3	7.0	2.9	11.7	44.7	0.1	23.2	72	0.9	110	711	45
04-12-2022	0.42	1.4	25.8	6.9	3.1	15.3	54.3	0.1	23.1	71	0.9	110	712	54
05-12-2022	0.45	3.5	31.1	8.4	3.4	29.2	104.3	0.1	23.2	72	0.9	104	711	103
06-12-2022	0.36	12.0	28.1	9.8	3.1	30.8	110.1	0.1	22.0	75	0.9	111	710	107
07-12-2022	0.33	8.7	34.7	9.1	2.0	27.8	99.5	0.1	20.8	60	0.9	121	709	100
08-12-2022	0.35	33.9	20.6	15.1	2.6	27.8	99.3	0.1	21.0	57	1.2	165	707	99
09-12-2022	0.36	35.3	15.4	9.3	1.7	21.4	76.7	0.1	18.1	77	1.2	175	708	77
10-12-2022	0.36	23.0	17.7	15.9	2.0	2.0	7.3	0.1	18.1	93	1.2	185	709	23
11-12-2022	0.52	10.0	-	-	3.5	5.9	21.2	0.1	20.0	-	-	-	-	26
12-12-2022	0.43	26.0	-	-	3.3	10.4	35.1	0.1	22.7	81	0.9	115	714	35
13-12-2022	0.30	4.6	-	-	4.3	8.9	31.3	0.1	21.3	84	0.9	118	710	31
14-12-2022	0.57	2.0	15.5	4.9	4.4	13.9	49.8	0.1	21.6	77	0.9	116	711	50
15-12-2022	0.45	5.9	32.1	4.8	4.1	21.3	76.2	0.1	21.5	62	0.8	98	710	76
16-12-2022	0.55	15.0	32.1	5.9	4.2	22.3	79.0	0.1	22.4	54	0.8	91	709	79
17-12-2022	0.47	18.6	25.6	12.1	4.5	23.8	85.2	0.1	22.8	67	0.8	102	710	85
18-12-2022	0.34	26.2	15.6	6.2	4.1	27.6	99.1	0.1	21.7	75	0.9	108	709	99
19-12-2022	0.45	22.9	20.7	4.7	4.8	28.5	101.5	0.2	20.7	69	0.8	101	709	101
20-12-2022	0.50	26.6	21.8	4.4	4.5	22.3	80.0	0.2	22.7	70	0.9	107	709	80
21-12-2022	0.39	23.2	25.4	4.7	4.5	17.3	61.9	0.1	21.1	64	0.8	100	709	62
22-12-2022	0.44	30.2	24.2	5.4	4.4	21.2	75.6	0.1	21.1	61	0.8	98	711	76
23-12-2022	0.46	30.1	23.0	5.7	4.8	25.3	89.9	0.2	20.9	58	0.9	105	710	90
24-12-2022	0.41	33.5	21.6	5.0	4.8	22.2	79.3	0.1	22.0	66	0.9	113	711	79
25-12-2022	0.34	14.1	19.6	4.8	5.1	9.6	34.4	0.1	21.1	85	0.9	119	713	34
26-12-2022	0.50	12.9	27.7	3.9	4.8	10.1	36.2	0.2	22.1	82	0.9	109	716	36
27-12-2022	0.40	12.8	26.2	4.2	4.2	13.5	47.5	0.1	21.4	82	0.9	108	713	48
28-12-2022	0.49	12.2	24.8	3.3	4.0	15.2	54.1	0.2	23.2	73	0.9	116	713	54
29-12-2022	0.48	31.4	37.0	5.3	3.5	15.8	56.8	0.2	22.8	66	0.9	105	714	57
30-12-2022	0.51	26.4	39.8	5.3	4.0	19.9	71.3	0.2	22.6	63	0.9	107	715	71
31-12-2022	0.48	21.5	33.5	5.2	3.3	23.0	81.3	0.2	23.0	61	0.9	114	714	81
Average	**0.43**	**17.2**	**26.3**	**7.1**	**3.7**	**20.1**	**67.6**	**0.1**	**21.7**	**71**	**0.9**	**115**	**711**	*
Minimum	0.30	1.3	15.4	3.3	1.7	2.0	7.3	0.1	18.1	54	0.8	91	707	*
Maximum	0.57	35.3	39.8	15.9	5.1	52.8	110.1	0.2	23.2	93	1.2	185	716	*

Jayanagar-December-2022

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
01-12-2022	0.60	22.6	27.9	15.9	5.6	50.1	99.6	0.33	22.0	78	0.4	129	710	100
02-12-2022	0.60	22.7	27.8	15.4	5.2	28.8	74.6	0.34	23.5	72	0.5	136	709	75

Date	CO	Ozone	NO₂	NH₃	SO₂	PM₂.₅	PM₁₀	BEN	AT	RH	WS	WD	BP	AQI
03-12-2022	0.53	22.6	26.8	15.9	5.2	17.0	55.2	0.30	24.1	70	0.5	121	710	55
04-12-2022	0.41	22.6	25.7	16.0	5.1	28.4	61.8	0.23	23.7	69	0.6	122	710	62
05-12-2022	0.59	22.8	23.9	15.8	5.2	64.5	105.5	0.32	23.5	71	0.5	136	711	115
06-12-2022	0.69	22.9	23.9	16.0	5.2	80.0	124.8	0.38	22.8	70	0.4	116	710	167
07-12-2022	0.70	22.9	25.3	16.0	4.7	64.0	119.8	0.39	21.8	54	0.5	141	709	113
08-12-2022	0.52	22.8	20.5	16.3	4.7	64.5	109.3	0.29	22.3	49	0.7	139	707	115
09-12-2022	0.48	22.6	17.1	16.8	5.1	55.9	85.8	0.27	19.1	72	0.8	170	706	93
10-12-2022	0.32	22.4	4.7	17.3	5.4	8.8	14.8	0.18	18.6	93	0.7	186	705	22
11-12-2022	0.48	22.7	5.1	16.9	5.8	17.5	24.7	0.27	20.1	92	0.4	139	708	29
12-12-2022	0.56	22.7	8.9	17.1	5.3	21.0	32.3	0.31	21.8	84	0.4	150	709	35
13-12-2022	0.48	22.6	15.8	16.5	5.6	17.1	36.4	0.27	21.8	82	0.5	130	711	36
14-12-2022	0.55	25.2	25.0	15.8	5.5	19.0	47.9	0.31	22.3	75	0.5	130	711	48
15-12-2022	0.48	30.5	26.5	16.1	5.0	31.0	77.8	0.27	22.1	60	0.5	135	710	78
16-12-2022	0.50	25.4	23.9	16.7	5.1	32.9	82.4	0.28	22.9	52	0.5	139	709	82
17-12-2022	0.55	22.5	27.5	17.3	4.9	52.6	101.6	0.31	22.4	67	0.5	124	710	101
18-12-2022	0.51	27.3	25.6	17.3	5.1	70.8	109.4	0.28	23.1	69	0.5	114	709	136
19-12-2022	0.55	29.6	26.4	17.3	5.5	60.9	103.5	0.31	21.7	65	0.5	127	708	103
20-12-2022	0.51	30.2	22.8	14.4	5.3	43.9	82.1	0.28	23.4	68	0.5	118	708	82
21-12-2022	0.58	30.1	25.9	13.7	5.4	32.8	75.5	0.32	22.0	60	0.5	126	709	76
22-12-2022	0.63	26.4	27.0	13.6	5.3	46.3	92.3	0.36	22.1	57	0.5	123	709	92
23-12-2022	0.65	29.4	26.8	13.6	5.4	55.7	98.9	0.36	22.2	53	0.5	106	709	99
24-12-2022	0.57	33.0	25.2	13.7	5.5	50.6	91.0	0.32	22.9	62	0.5	109	709	91
25-12-2022	0.48	20.2	25.7	13.6	5.1	21.1	37.4	0.27	22.0	81	0.5	114	710	37
26-12-2022	0.40	10.2	25.6	13.7	5.5	10.8	31.6	0.22	22.8	78	0.6	121	711	32
27-12-2022	0.47	13.8	25.3	13.5	5.4	18.2	39.0	0.26	21.4	84	0.5	125	712	39
28-12-2022	0.44	12.3	22.9	13.6	4.9	20.3	47.7	0.25	23.6	71	0.5	123	713	48
29-12-2022	0.40	15.0	22.5	13.5	5.2	26.3	59.3	0.22	23.4	64	0.5	114	715	59
30-12-2022	0.45	15.6	23.3	13.6	5.9	31.8	68.8	0.25	23.1	60	0.5	110	715	69
31-12-2022	0.41	17.7	20.5	13.7	5.6	40.0	80.4	0.23	23.4	59	0.5	137	714	80
Average	0.52	22.9	22.6	15.4	5.3	38.1	73.3	0.29	22.3	69	0.5	129	710	*
Maximum	0.70	33.0	27.9	17.3	5.9	80.0	124.8	0.39	24.1	93	0.8	186	715	*
Minimum	0.32	10.2	4.7	13.5	4.7	8.8	14.8	0.18	18.6	49	0.4	106	705	*

KAVIKA-December-2022														
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
01-12-2022	1.14	5.9	6.4	3.5	6.2	77.8	110.1	0.06	23.1	44	0.6	75	720	159
02-12-2022	1.00	5.7	10.8	5.2	6.3	39.3	67.3	0.06	24.5	43	0.6	72	720	67
03-12-2022	0.91	5.7	14.0	5.4	5.4	31.6	53.9	0.05	24.8	43	0.6	71	720	54
04-12-2022	0.90	5.4	9.8	6.7	5.5	39.6	79.9	0.05	24.3	44	0.6	67	721	80
05-12-2022	1.06	5.4	6.2	8.3	5.8	83.0	110.6	0.06	24.5	43	0.6	72	721	177
06-12-2022	1.37	5.4	8.0	12.3	6.1	89.9	129.7	0.08	24.1	44	0.6	65	720	200
07-12-2022	1.30	5.9	7.4	14.1	6.5	84.8	120.4	0.07	23.5	44	0.6	63	719	183
08-12-2022	1.02	7.0	4.8	13.4	5.4	81.2	109.7	0.06	23.3	44	0.6	81	717	171
09-12-2022	1.00	6.7	6.7	10.8	6.1	63.5	88.4	0.06	20.0	45	0.8	109	715	112
10-12-2022	0.83	6.4	16.2	11.3	6.0	13.6	19.3	0.05	19.4	48	0.8	106	714	42

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
11-12-2022	0.98	5.6	17.8	12.5	6.4	24.7	32.4	0.05	20.8	45	0.6	77	717	49
12-12-2022	0.98	5.5	12.8	11.2	6.1	27.3	38.0	0.05	22.5	44	0.6	81	718	49
13-12-2022	0.87	5.5	7.4	9.8	6.0	26.0	45.8	0.05	22.6	43	0.6	72	720	46
14-12-2022	1.02	5.6	14.4	10.6	6.5	28.8	63.7	0.06	22.9	42	0.6	74	721	64
15-12-2022	1.23	6.4	12.7	12.8	5.8	38.0	85.5	0.07	23.4	43	0.6	73	720	86
16-12-2022	1.19	6.4	8.8	13.9	6.2	53.6	98.8	0.07	24.4	44	0.6	71	719	99
17-12-2022	1.25	6.6	6.6	15.8	6.1	69.8	110.7	0.07	24.2	44	0.6	67	720	133
18-12-2022	0.96	6.9	3.1	15.8	5.6	79.4	110.5	0.05	23.7	44	0.5	61	719	165
19-12-2022	1.14	6.8	9.7	16.6	6.0	69.1	106.9	0.06	22.6	44	0.6	67	719	130
20-12-2022	0.99	8.6	5.4	29.0	6.3	54.1	77.1	0.06	24.2	44	0.6	70	718	90
21-12-2022	1.28	17.8	4.4	44.1	5.6	39.7	88.9	0.07	23.5	44	0.6	65	719	89
22-12-2022	1.29	17.8	6.6	44.6	6.6	70.6	100.9	0.07	23.5	44	0.6	63	719	135
23-12-2022	1.32	17.7	7.2	45.5	6.1	78.7	110.0	0.07	23.8	44	0.6	62	719	162
24-12-2022	1.19	18.2	4.4	23.6	6.9	72.3	96.5	0.07	24.0	44	0.5	60	719	141
25-12-2022	1.01	20.1	7.3	18.3	6.6	26.5	46.4	0.06	22.8	44	0.5	60	720	51
26-12-2022	0.94	20.6	14.9	21.1	6.7	22.0	45.5	0.05	23.5	43	0.6	68	722	47
27-12-2022	0.89	21.1	12.3	14.5	6.1	28.1	45.8	0.05	22.7	44	0.6	72	723	47
28-12-2022	0.76	21.2	26.5	5.4	5.7	32.5	50.5	0.04	24.4	44	0.6	75	724	54
29-12-2022	0.94	20.9	10.1	3.8	5.9	34.5	57.0	0.05	23.7	43	0.6	75	726	58
30-12-2022	1.27	23.2	-	-	5.2	49.1	79.0	0.07	22.0	44	0.6	74	728	82
31-12-2022	1.10	22.3	86.7	44.5	5.8	66.8	102.1	0.18	24.4	44	0.7	130	724	123
Average	1.07	11.1	12.3	16.8	6.1	51.5	80.0	0.06	23.3	44	0.6	74	720	*
Maximum	1.37	23.2	86.7	45.5	6.9	89.9	129.7	0.18	24.8	48	0.8	130	728	*
Minimum	0.76	5.4	3.1	3.5	5.2	13.6	19.3	0.04	19.4	42	0.5	60	714	*
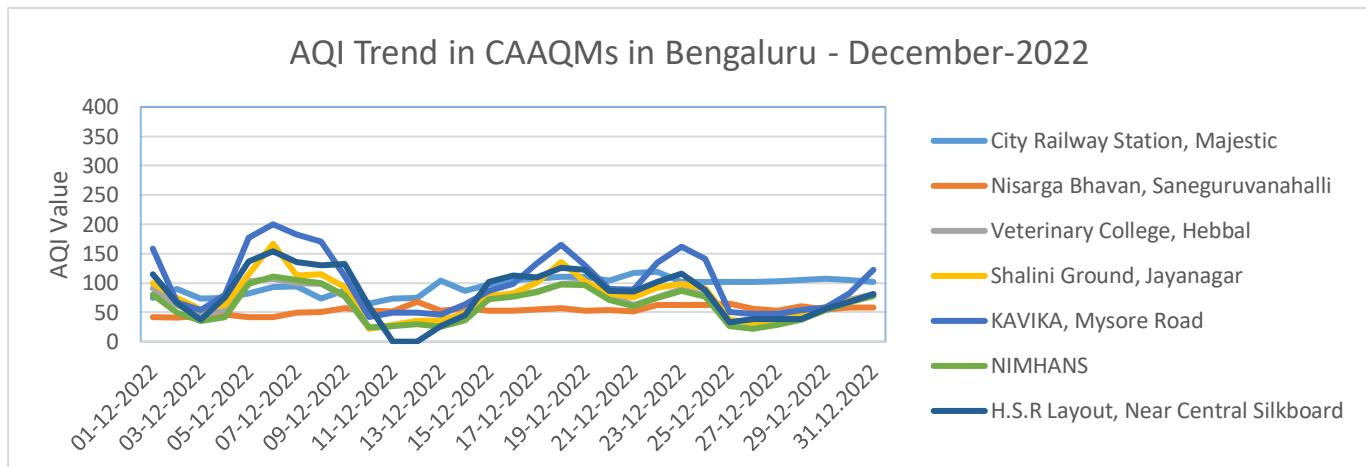
	NIMHANS-December-2022													
Date	CO mg/m³	Ozone µg/m³	NO₂ µg/m³	NH₃ µg/m³	SO₂ µg/m³	PM₂.₅ µg/m³	PM₁₀ µg/m³	BEN µg/m³	AT °C	RH %	WS m/s	WD deg.	BP mmHg	AQI
01-12-2022	0.58	18.6	22.5	2.1	3.9	31.9	79.8	0.32	21.4	60	0.8	130	709	80
02-12-2022	0.47	15.5	18.6	2.1	4.2	19.5	48.9	0.26	22.9	55	1.0	136	709	49
03-12-2022	0.32	11.7	17.1	2.1	3.9	14.2	35.2	0.20	23.2	55	1.1	131	709	35
04-12-2022	0.21	19.7	16.0	2.0	4.4	16.9	42.3	0.18	22.7	53	1.1	124	710	42
05-12-2022	0.72	24.9	21.0	2.1	4.5	39.4	98.5	0.28	22.8	55	0.9	137	710	99
06-12-2022	0.41	25.7	22.3	2.0	3.9	46.7	116.8	0.30	22.3	53	0.8	110	709	111
07-12-2022	0.51	29.1	26.6	2.0	4.7	42.7	107.0	0.35	21.4	41	1.0	102	708	105
08-12-2022	0.65	40.5	20.1	2.1	5.0	39.8	99.6	0.24	21.6	38	1.7	158	707	100
09-12-2022	0.53	35.2	19.3	2.1	4.2	31.4	78.5	0.26	18.7	55	1.9	198	705	79
10-12-2022	0.46	21.5	19.1	2.1	4.2	3.7	9.6	0.21	18.6	68	1.6	192	704	24
11-12-2022	0.42	18.9	20.5	2.1	4.4	7.8	19.5	0.24	20.0	67	0.7	135	706	26
12-12-2022	0.60	21.0	22.2	2.1	4.7	10.5	26.3	0.24	21.5	63	0.9	141	707	30
13-12-2022	0.48	18.4	20.0	2.1	4.6	9.4	23.6	0.17	21.4	62	1.2	137	709	25
14-12-2022	0.68	12.8	19.5	2.1	4.2	14.4	36.0	0.25	21.5	58	0.9	138	710	36
15-12-2022	0.55	13.4	26.5	2.1	6.0	28.9	72.4	0.30	21.1	46	0.8	153	709	72
16-12-2022	0.62	14.6	28.2	2.1	5.8	30.8	77.1	0.36	22.0	42	0.7	145	708	77
17-12-2022	0.32	20.2	24.1	2.0	4.9	33.5	83.5	0.24	22.6	49	0.9	129	709	84
18-12-2022	0.31	35.5	16.5	2.1	4.5	38.7	96.9	0.20	22.3	53	1.2	113	708	97

Date														
19-12-2022	0.43	28.9	24.0	2.1	4.2	38.2	95.8	0.26	20.8	50	0.8	127	708	96
20-12-2022	0.29	25.8	21.5	2.1	4.0	28.4	70.9	0.23	22.3	53	1.0	124	707	71
21-12-2022	0.45	18.3	24.6	2.1	4.6	23.9	60.0	0.28	21.3	46	0.8	131	708	60
22-12-2022	0.37	21.1	27.2	2.1	3.9	29.4	73.5	0.28	21.4	43	0.9	114	708	74
23-12-2022	0.45	26.8	26.7	2.1	3.6	34.4	85.9	0.28	21.5	46	0.9	109	708	86
24-12-2022	0.35	29.1	22.2	2.1	4.3	30.8	77.0	0.25	22.2	63	1.0	105	708	77
25-12-2022	0.36	21.1	16.6	2.1	3.9	10.6	26.5	0.19	21.4	83	1.3	104	709	27
26-12-2022	0.41	14.5	17.8	2.1	4.1	7.3	18.0	0.15	22.2	80	1.2	127	711	22
27-12-2022	0.56	13.7	20.1	2.1	3.6	11.8	29.4	0.17	21.1	84	1.0	131	712	29
28-12-2022	0.30	17.3	19.4	2.1	3.6	14.8	36.9	0.17	22.7	74	1.0	137	713	37
29-12-2022	0.43	17.9	25.3	2.1	3.6	21.6	54.0	0.26	22.3	66	0.7	145	714	54
30-12-2022	0.49	18.8	25.9	2.0	4.0	26.9	67.3	0.36	21.9	63	0.7	152	714	67
31-12-2022	0.53	25.7	26.9	2.1	4.7	31.2	77.8	0.30	22.2	61	0.7	137	713	78
Average	0.46	21.8	21.9	2.1	4.3	24.8	62.1	0.25	21.7	58	1.0	134	709	*
Maximum	0.72	40.5	28.2	2.1	6.0	46.7	116.8	0.36	23.2	84	1.9	198	714	*
Minimum	0.21	11.7	16.0	2.0	3.6	3.7	9.6	0.15	18.6	38	0.7	102	704	*

Silkboard-December-2022

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
01-12-2022	0.73	29.5	23.1	15.9	5.6	51.2	122.7	0.18	21.4	79	1.0	91	689	115
02-12-2022	0.70	24.5	24.8	17.6	5.6	27.5	66.0	0.17	22.8	73	1.1	88	689	66
03-12-2022	0.45	21.3	22.6	14.0	5.5	15.5	37.1	0.11	23.1	72	1.2	91	689	37
04-12-2022	0.40	26.4	25.9	10.7	5.8	31.7	76.0	0.10	21.4	75	1.3	96	690	76
05-12-2022	0.57	34.3	27.3	11.7	5.8	64.8	156.2	0.15	22.8	72	1.1	98	690	137
06-12-2022	0.90	29.7	22.2	20.3	5.7	75.2	181.2	0.22	23.2	63	0.9	121	689	154
07-12-2022	1.11	26.5	17.1	36.0	5.9	64.4	154.4	0.28	21.3	52	0.9	173	688	136
08-12-2022	0.93	33.6	17.9	28.4	5.9	60.4	144.8	0.23	21.9	49	1.6	255	687	130
09-12-2022	1.06	28.6	17.5	28.2	5.8	62.0	147.6	0.26	19.0	71	1.7	278	686	132
10-12-2022	1.20	20.6	7.9	35.8	5.7	23.1	55.8	0.30	18.6	88	1.6	276	685	60
11-12-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	*
12-12-2022	-	-	-	-	-	-	-	-	-	-	-	-	-	*
13-12-2022	0.38	26.0	7.8	46.1	5.5	9.5	22.8	0.10	20.6	84	1.3	92	689	26
14-12-2022	0.67	24.1	17.0	58.5	5.5	18.9	45.4	0.17	21.2	77	1.1	92	690	45
15-12-2022	0.99	23.1	25.9	59.7	5.7	43.0	103.3	0.25	20.9	62	0.9	87	689	102
16-12-2022	1.05	22.5	43.0	42.4	5.5	49.8	119.5	0.26	21.9	55	0.8	94	689	113
17-12-2022	0.58	26.4	40.4	28.4	5.4	49.7	113.2	0.15	22.4	65	1.1	97	689	109
18-12-2022	0.55	33.8	48.7	23.1	5.4	63.3	139.4	0.14	22.1	70	1.2	101	688	126
19-12-2022	0.60	28.8	22.2	28.3	5.5	61.1	134.5	0.15	20.7	66	1.0	106	688	123
20-12-2022	0.53	28.4	26.2	19.7	5.3	39.8	87.5	0.13	22.1	69	1.1	100	688	87
21-12-2022	0.71	22.6	17.2	23.7	5.6	38.5	84.9	0.18	21.1	61	0.9	135	688	85
22-12-2022	0.70	23.3	16.4	24.3	5.5	47.0	103.5	0.18	21.0	58	0.8	137	688	102
23-12-2022	0.81	24.2	15.4	25.7	5.4	59.5	124.3	0.20	20.9	56	0.9	142	688	116
24-12-2022	0.64	25.9	20.3	22.4	5.3	48.6	87.5	0.16	21.9	63	1.0	123	689	88
25-12-2022	0.50	23.0	26.6	18.7	5.3	16.6	30.0	0.13	21.2	82	1.2	106	689	33
26-12-2022	0.44	21.4	30.6	16.5	5.4	8.7	15.8	0.11	22.0	79	1.3	87	690	38
27-12-2022	0.42	22.8	30.1	16.8	5.4	13.4	24.0	0.11	20.9	83	1.1	87	691	38
28-12-2022	0.42	26.8	30.7	16.5	5.3	17.1	30.8	0.11	22.6	73	1.1	90	692	38

29-12-2022	0.61	26.7	26.4	18.9	5.4	31.0	55.7	0.15	22.4	64	1.0	79	693	56
30-12-2022	0.67	25.7	19.8	22.7	5.4	37.6	67.8	0.17	22.0	61	0.9	76	693	68
31-12-2022	0.69	28.6	22.0	21.7	5.5	45.1	81.2	0.18	22.3	60	0.9	85	692	81
Average	**0.69**	**26.2**	**23.9**	**25.9**	**5.5**	**40.5**	**90.1**	**0.17**	**21.6**	**68**	**1.1**	**120**	**689**	*
Maximum	1.20	34.3	48.7	59.7	5.9	75.2	181.2	0.30	23.2	88	1.7	278	693	*
Minimum	0.38	20.6	7.8	10.7	5.3	8.7	15.8	0.10	18.6	49	0.8	76	685	*

AQI Trend in CAAQMs in Bengaluru - December-2022

INFERENCE:

The Air Quality monitored through the 7 CAAQMs (Continuous Ambient Air Quality Monitoring Stations) installed in Bengaluru viz., City Railway Station, Hebbal, Saneguruvanahalli, NIMHANS, Jayanagar, KAVIKA-Mysore Road and Central Silk Board-HSR Layout, for the month of December-2022 reveals that the Air quality is in Good, Satisfactory and moderate in almost all days over the number of days monitored. Further, the AQI in few stations have shown Moderate which may be due to high vehicular movement at that particular period of time

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