



## KARNATAKA STATE POLLUTION CONTROL BOARD

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

### Air Quality Monitoring Cell

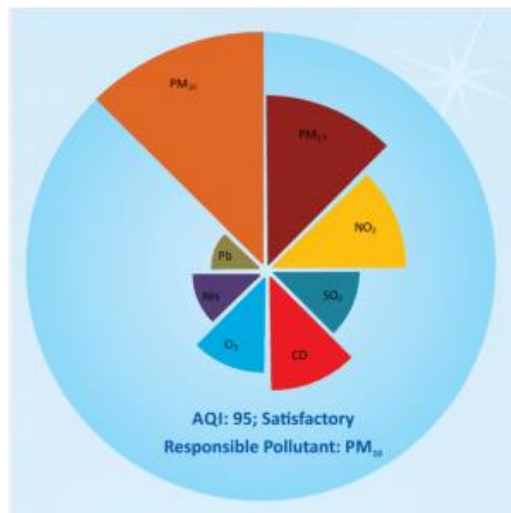
Air Quality Index of CAAQM Stations monitored in Bengaluru city-December-2023.

#### 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<sub>10</sub>, PM<sub>2.5</sub>, NO<sub>2</sub>, SO<sub>2</sub>, CO, O<sub>3</sub>, NH<sub>3</sub>, 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<sub>2.5</sub> will be 51 at concentration 31 µg/m<sup>3</sup>, 100 at concentration 60 µg/m<sup>3</sup>, and 75 at concentration of 45(µg/m<sup>3</sup>). 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 11 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 December-2023 is as shown below:

## Daily AQI Values of Bengaluru (December-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	Jigani Industrial Area, Anekal	R.V.Engineering College, Kengeri	Kasturinagar RTO	Peenya Industrial Area
01-12-2023	81	45	33	58	73	26	108	61	101	51	49
02-12-2023	76	44	51	88	96	45	161	76	116	77	47
03-12-2023	77	48	20	40	61	25	55	55	93	41	40
04-12-2023	80	50	31	59	76	33	225	66	109	70	45
05-12-2023	75	46	39	67	75	45	318	103	115	92	62
06-12-2023	110	45	66	107	149	76	233	96	110	117	90
07-12-2023	80	53	81	98	92	76	104	108	166	93	87
08-12-2023	68	55	73	94	95	64	85	90	136	89	74
09-12-2023	48	62	73	92	87	55	75	83	117	112	71
10-12-2023	50	57	72	83	96	55	71	75	111	98	62
11-12-2023	43	56	70	82	95	58	86	87	125	113	70
12-12-2023	60	75	82	105	122	70	106	93	129	113	76
13-12-2023	62	58	78	106	124	71	108	94	129	115	74
14-12-2023	75	62	92	105	119	73	97	99	128	119	78
15-12-2023	77	57	94	111	120	75	102	91	130	113	81
16-12-2023	109	58	65	75	72	37	67	66	100	78	49
17-12-2023	76	60	83	86	84	45	65	68	101	88	52
18-12-2023	77	62	119	93	103	68	100	103	131	78	79
19-12-2023	77	57	155	177	184	99	128	115	156	82	95
20-12-2023	78	58	150	158	137	91	118	149	151	108	99
21-12-2023	75	57	120	109	104	86	117	68	143	117	90
22-12-2023	109	68	107	146	171	99	126	110	171	131	98
23-12-2023	73	68	150	186	181	109	120	110	167	113	101
24-12-2023	78	68	117	140	123	92	109	84	131	96	80
25-12-2023	76	71	68	85	78	57	71	93	106	80	61
26-12-2023	103	61	70	93	110	62	85	86	111	93	65
27-12-2023	80	58	71	86	92	60	90	85	107	97	62
28-12-2023	78	66	72	96	86	59	86	96	108	104	62
29-12-2023	91	60	65	83	79	55	81	83	103	90	60
30-12-2023	76	63	58	78	67	44	85	79	104	78	55
31-12-2023	84	63	68	103	75	61	89	97	119	103	62
<b>Min</b>	<b>43</b>	<b>44</b>	<b>20</b>	<b>40</b>	<b>61</b>	<b>25</b>	<b>55</b>	<b>55</b>	<b>93</b>	<b>41</b>	<b>40</b>
<b>Max</b>	<b>110</b>	<b>75</b>	<b>155</b>	<b>186</b>	<b>184</b>	<b>109</b>	<b>318</b>	<b>149</b>	<b>171</b>	<b>131</b>	<b>101</b>

\* 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-December 2023					
Date	PM <sub>10</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	AQI
01-12-2023	80.5	10.7	23.5	0.96	81
02-12-2023	76.2	10.8	26.0	0.97	76
03-12-2023	76.6	10.7	30.2	0.88	77
04-12-2023	79.6	9.4	26.0	0.99	80
05-12-2023	75.2	8.8	25.4	1.29	75
06-12-2023	70.9	9.9	27.8	2.76	110
07-12-2023	78.4	13.3	27.5	1.59	80
08-12-2023	67.8	13.2	28.9	0.78	68
09-12-2023	34.3	9.1	30.3	0.95	48
10-12-2023	37.2	9.1	33.6	0.99	50
11-12-2023	32.7	9.1	28.0	0.86	43
12-12-2023	34.8	9.1	26.5	1.19	60
13-12-2023	62.3	9.1	28.3	0.89	62
14-12-2023	75.2	15.2	28.3	0.84	75
15-12-2023	77.2	21.3	37.6	1.02	77
16-12-2023	114.0	9.1	26.2	0.78	109
17-12-2023	75.7	9.1	29.9	0.89	76
18-12-2023	77.3	9.1	21.7	1.02	77
19-12-2023	77.2	8.4	18.2	0.90	77
20-12-2023	77.7	8.1	20.9	0.90	78
21-12-2023	74.9	8.7	20.4	1.18	75
22-12-2023	113.2	9.1	15.7	1.07	109
23-12-2023	72.5	9.1	14.0	0.91	73
24-12-2023	78.4	9.1	20.3	0.90	78
25-12-2023	75.8	9.1	20.2	0.89	76
26-12-2023	75.9	9.2	15.8	2.27	103
27-12-2023	80.4	9.1	14.7	0.95	80
28-12-2023	77.7	8.4	15.4	0.91	78
29-12-2023	91.3	8.1	15.7	0.90	91
30-12-2023	76.3	8.1	16.6	0.87	76
31-12-2023	83.9	8.1	20.4	0.89	84
<b>Minimum</b>	<b>32.7</b>	<b>8.1</b>	<b>14.0</b>	<b>0.78</b>	<b>*</b>
<b>Maximum</b>	<b>114.0</b>	<b>21.3</b>	<b>37.6</b>	<b>2.76</b>	<b>*</b>
<b>Average</b>	<b>73.6</b>	<b>10.0</b>	<b>23.7</b>	<b>1.07</b>	<b>*</b>

**Nisarga Bhavan, Saneguruvanahalli-December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	Temp °C	HR %	WS m/s	WD degree	SR W/m <sup>2</sup>	AQI
01-12-2023	44.6	9.8	27.7	0.90	28.1	72	137.5	1.8	155	45
02-12-2023	43.6	8.6	26.2	0.78	28.1	82	139.9	1.3	155	44
03-12-2023	47.8	8.6	22.9	0.82	27.0	104	188.4	0.7	192	48
04-12-2023	50.2	9.0	21.9	0.81	27.5	103	268.1	0.8	185	50
05-12-2023	45.5	8.6	24.0	0.80	27.7	100	274.6	1.2	185	46
06-12-2023	45.4	8.9	26.1	0.82	27.7	100	160.7	1.2	182	45
07-12-2023	44.3	7.8	27.3	1.06	28.7	95	127.7	1.4	182	53
08-12-2023	54.5	7.5	24.7	0.80	28.4	98	131.5	1.7	96	55
09-12-2023	61.7	8.0	26.1	0.77	28.4	88	130.9	2.4	162	62
10-12-2023	57.2	8.2	26.8	0.92	28.9	62	128.8	2.3	222	57
11-12-2023	56.4	9.8	29.2	0.96	28.8	68	117.5	2.1	176	56
12-12-2023	74.5	9.9	26.6	0.95	28.1	72	127.5	1.7	180	75
13-12-2023	58.1	10.5	27.8	0.82	28.4	76	116.3	1.7	157	58
14-12-2023	61.8	12.1	27.5	1.02	28.3	72	123.6	1.8	159	62
15-12-2023	57.2	11.2	30.2	1.13	28.6	73	109.0	1.2	159	57
16-12-2023	58.0	10.9	29.8	ND	28.7	85	99.0	1.2	217	58
17-12-2023	60.3	9.4	24.1	0.86	28.6	87	116.8	1.3	207	60
18-12-2023	62.4	6.5	22.9	1.03	28.9	72	115.6	1.7	211	62
19-12-2023	57.4	7.0	24.2	0.85	27.8	81	128.1	1.9	208	57
20-12-2023	58.3	8.6	24.1	1.00	27.7	78	125.8	1.3	206	58
21-12-2023	57.0	9.4	25.7	0.87	27.0	72	142.7	0.7	180	57
22-12-2023	68.3	8.5	24.3	0.83	27.9	71	152.1	0.7	203	68
23-12-2023	68.2	8.9	25.3	0.86	28.4	79	130.6	1.0	196	68
24-12-2023	67.5	8.6	22.6	0.81	27.7	77	137.1	1.1	498	68
25-12-2023	70.9	9.0	22.3	0.84	28.4	68	129.8	1.2	202	71
26-12-2023	60.6	8.0	24.3	0.85	28.0	68	138.8	2.1	205	61
27-12-2023	57.6	7.9	26.6	0.82	28.7	69	136.8	2.2	205	58
28-12-2023	65.7	8.1	28.0	0.87	28.6	58	135.8	1.8	207	66
29-12-2023	60.2	7.9	27.3	0.89	29.2	71	134.3	2.3	187	60
30-12-2023	62.8	7.9	28.4	0.83	29.6	74	122.9	2.8	214	63
31-12-2023	62.7	17.7	26.2	0.93	28.1	86	155.7	1.4	146	63
<b>Minimum</b>	<b>43.6</b>	<b>6.5</b>	<b>21.9</b>	<b>0.77</b>	<b>27.0</b>	<b>58</b>	<b>99.0</b>	<b>0.7</b>	<b>96</b>	<b>*</b>
<b>Maximum</b>	<b>74.5</b>	<b>17.7</b>	<b>30.2</b>	<b>1.13</b>	<b>29.6</b>	<b>104</b>	<b>274.6</b>	<b>2.8</b>	<b>498</b>	<b>*</b>
<b>Average</b>	<b>58.1</b>	<b>9.1</b>	<b>25.8</b>	<b>0.88</b>	<b>28.3</b>	<b>79</b>	<b>141.4</b>	<b>1.6</b>	<b>195</b>	<b>*</b>

**Veterinary College, Hebbal- December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD degree	BP mmHg	AQI
01-12-2023	33.2	12.2	11.0	3.8	0.38	8.6	4.9	0.06	22.7	71	0.6	186	711	33
02-12-2023	51.3	29.0	11.9	3.8	0.33	7.9	4.9	0.06	22.4	70	0.7	225	709	51
03-12-2023	20.2	8.8	11.3	3.8	0.34	9.4	4.9	0.03	21.6	75	0.6	233	710	20
04-12-2023	30.8	17.8	6.3	3.7	0.36	10.4	4.9	0.04	21.3	74	0.6	192	708	31
05-12-2023	38.5	21.6	4.3	3.8	0.41	7.7	4.9	0.05	22.2	72	0.5	186	707	39
06-12-2023	66.4	34.5	6.0	3.8	0.41	11.8	4.9	0.13	23.8	67	0.4	211	709	66
07-12-2023	81.1	47.6	7.0	3.8	0.40	12.0	4.9	0.11	24.6	67	0.5	127	710	81
08-12-2023	72.7	43.0	7.1	3.8	0.36	8.5	4.9	0.10	24.1	68	0.6	111	711	73
09-12-2023	73.0	40.4	8.5	3.8	0.33	9.0	4.9	0.10	24.1	70	0.7	140	712	73
10-12-2023	69.8	43.1	9.9	3.7	0.36	7.4	4.9	0.08	24.0	68	0.7	151	711	72
11-12-2023	68.5	41.5	9.4	3.8	0.38	7.6	4.9	0.07	23.8	73	0.6	160	712	70
12-12-2023	79.0	49.4	9.3	3.7	0.36	7.9	4.9	0.07	23.1	83	0.7	167	712	82
13-12-2023	76.1	47.2	11.1	3.7	0.39	16.1	4.7	0.06	22.2	88	0.8	172	711	78
14-12-2023	84.7	54.7	12.8	3.8	0.40	10.7	4.9	0.07	21.9	93	0.8	155	712	92
15-12-2023	93.9	55.7	13.0	3.7	0.36	7.5	4.9	0.08	21.7	97	0.7	162	712	94
16-12-2023	65.0	25.9	13.6	3.8	0.37	7.7	4.9	0.08	22.3	97	0.8	170	712	65
17-12-2023	82.5	32.9	13.4	3.8	0.40	10.0	4.9	0.07	21.7	98	0.7	170	711	83
18-12-2023	127.8	50.9	6.2	3.8	0.34	7.6	4.9	0.09	21.2	96	0.8	154	712	119
19-12-2023	183.0	72.9	7.8	3.8	0.38	7.9	4.9	0.08	22.1	99	0.8	170	713	155
20-12-2023	175.3	69.8	7.8	3.7	0.39	8.2	4.9	0.10	21.7	103	0.7	164	712	150
21-12-2023	129.8	61.7	10.9	3.8	0.41	7.7	4.9	0.12	21.9	101	0.6	155	712	120
22-12-2023	100.4	62.1	10.7	3.8	0.33	7.8	4.9	0.10	23.3	102	0.5	189	712	107
23-12-2023	124.8	75.5	11.6	3.8	0.40	9.2	4.9	0.11	22.5	93	0.7	157	713	150
24-12-2023	94.1	64.6	12.3	3.8	0.36	7.8	4.9	0.10	22.6	95	0.7	163	714	117
25-12-2023	68.2	-	11.3	3.8	0.37	7.7	4.9	0.08	22.4	97	0.8	142	714	68
26-12-2023	69.5	40.0	11.4	3.7	0.37	7.7	4.9	0.09	22.8	93	0.8	160	714	70
27-12-2023	70.8	35.8	12.1	3.8	0.39	7.8	4.9	0.08	22.6	95	0.8	152	714	71
28-12-2023	72.0	37.9	9.5	3.8	0.36	8.1	4.9	0.09	22.4	96	0.8	158	713	72
29-12-2023	65.4	31.8	8.8	3.8	0.38	7.7	4.9	0.09	22.0	92	0.8	135	671	65
30-12-2023	57.8	27.0	11.0	3.8	0.36	7.4	4.9	0.08	23.3	85	0.9	132	599	58
31-12-2023	68.0	37.7	9.3	3.8	0.42	8.5	4.9	0.07	22.2	85	0.8	119	649	68
<b>Minimum</b>	<b>20.2</b>	<b>8.8</b>	<b>4.3</b>	<b>3.7</b>	<b>0.33</b>	<b>7.4</b>	<b>4.7</b>	<b>0.03</b>	<b>21.2</b>	<b>67</b>	<b>0.4</b>	<b>111</b>	<b>599</b>	<b>*</b>
<b>Maximum</b>	<b>183.0</b>	<b>75.5</b>	<b>13.6</b>	<b>3.8</b>	<b>0.42</b>	<b>16.1</b>	<b>4.9</b>	<b>0.13</b>	<b>24.6</b>	<b>103</b>	<b>0.9</b>	<b>233</b>	<b>714</b>	<b>*</b>
<b>Average</b>	<b>80.4</b>	<b>42.4</b>	<b>9.9</b>	<b>3.8</b>	<b>0.37</b>	<b>8.8</b>	<b>4.9</b>	<b>0.08</b>	<b>22.6</b>	<b>86</b>	<b>0.7</b>	<b>163</b>	<b>705</b>	<b>*</b>

**Shalini Ground, Jayanagar- December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD degree	BP mmHg	AQI
01-12-2023	46.5	26.3	19.0	-	1.16	19.6	-	0.31	22.5	77	0.4	133	728	58
02-12-2023	87.6	39.4	9.6	4.6	1.18	33.9	25.4	0.33	23.4	81	0.6	121	726	88
03-12-2023	40.2	21.0	5.4	5.0	0.55	33.7	18.1	0.16	22.6	81	0.6	119	726	40
04-12-2023	59.4	29.5	15.6	4.6	0.64	32.4	17.5	0.18	22.3	82	1.0	171	725	59
05-12-2023	66.5	37.0	14.4	4.8	0.54	33.0	18.9	0.34	22.7	81	1.1	238	725	67
06-12-2023	109.9	55.7	6.3	8.5	0.73	35.1	24.7	0.50	24.0	81	0.5	219	726	107
07-12-2023	98.3	57.7	5.6	5.2	0.42	16.4	18.7	0.15	24.5	80	0.7	172	727	98
08-12-2023	93.7	51.5	15.2	4.6	0.47	17.2	17.6	0.26	24.4	83	0.6	128	727	94
09-12-2023	91.8	42.8	16.7	4.8	0.45	18.8	17.9	0.25	24.6	83	0.6	124	728	92
10-12-2023	83.1	46.5	12.1	4.3	0.36	21.3	17.1	0.20	24.2	83	0.6	129	727	83
11-12-2023	82.0	46.5	18.2	4.4	0.63	21.3	17.5	0.35	24.2	82	0.6	131	727	82
12-12-2023	107.4	59.6	16.7	4.6	0.47	21.1	18.6	0.26	23.6	83	0.6	124	727	105
13-12-2023	109.6	60.1	14.3	4.5	0.53	23.0	18.1	0.29	22.8	83	0.6	126	727	106
14-12-2023	107.4	59.8	11.6	4.5	0.37	24.6	17.9	0.21	22.3	83	0.7	130	728	105
15-12-2023	112.9	63.3	11.2	5.2	0.37	23.7	17.3	0.21	22.1	81	0.5	130	729	111
16-12-2023	75.3	32.7	15.8	5.5	0.65	21.6	18.0	0.36	23.1	82	0.6	123	728	75
17-12-2023	86.4	38.7	14.8	5.6	0.57	23.1	16.3	0.32	22.4	83	0.6	133	728	86
18-12-2023	86.6	55.5	16.3	8.5	0.58	23.8	9.7	0.32	21.6	83	0.7	121	728	93
19-12-2023	133.3	83.1	16.6	9.6	0.66	25.3	12.9	0.37	23.0	82	0.6	128	728	177
20-12-2023	126.8	77.3	11.8	9.1	0.56	30.8	10.9	0.31	22.4	83	0.6	131	729	158
21-12-2023	110.7	62.6	18.8	10.7	0.79	26.9	13.1	0.44	22.5	81	0.6	145	728	109
22-12-2023	130.9	73.9	11.3	8.9	0.58	29.0	10.8	0.32	23.8	83	0.5	144	728	146
23-12-2023	195.3	85.9	13.7	10.4	0.47	26.2	13.8	0.26	22.6	81	0.6	120	729	186
24-12-2023	129.6	71.9	11.9	9.0	0.33	25.7	10.4	0.18	22.7	81	0.6	127	730	140
25-12-2023	85.1	44.4	15.4	8.9	0.47	13.8	10.1	0.26	22.8	83	0.6	129	729	85
26-12-2023	93.1	44.3	11.5	9.1	0.30	7.5	10.8	0.17	23.0	83	0.6	137	729	93
27-12-2023	85.7	39.5	14.7	9.3	0.27	7.2	11.1	0.15	22.7	83	0.6	128	730	86
28-12-2023	95.5	45.5	11.1	9.4	0.36	15.0	11.0	0.20	22.7	83	0.6	122	729	96
29-12-2023	82.5	40.5	10.4	9.7	0.36	17.8	10.8	0.20	22.3	83	0.6	127	729	83
30-12-2023	77.9	32.3	12.4	8.9	0.31	17.9	10.4	0.18	23.3	83	0.7	128	728	78
31-12-2023	104.1	48.4	11.6	8.7	0.30	18.5	9.6	0.16	22.3	82	0.7	124	728	103
Minimum	40.2	21.0	5.4	4.3	0.27	7.2	9.6	0.15	21.6	77	0.4	119	725	*
Maximum	195.3	85.9	19.0	10.7	1.18	35.1	25.4	0.50	24.6	83	1.1	238	730	*
Average	96.6	50.8	13.2	7.0	0.53	22.8	15.2	0.26	23.0	82	0.6	137	728	*

**KAVIKA, Mysore Road- December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD degree	BP mmHg	AQI
01-12-2023	73.0	28.2	5.4	8.8	1.06	11.2	2.0	0.05	23.8	88.8	1.0	131	720	73
02-12-2023	96.4	43.1	4.7	8.6	1.15	11.1	2.1	0.05	23.8	88.8	1.2	110	719	96
03-12-2023	60.9	26.3	4.9	8.6	0.97	11.2	2.1	0.05	23.0	89.1	1.1	127	718	61
04-12-2023	75.5	33.6	4.9	8.6	0.96	11.3	2.1	0.05	22.6	89.1	1.2	210	717	76
05-12-2023	74.9	36.8	4.6	8.6	0.85	10.8	2.1	0.06	23.2	89.0	1.1	268	716	75
06-12-2023	137.0	74.6	4.4	8.5	1.58	10.3	2.1	0.14	25.5	88.4	0.6	205	718	149
07-12-2023	82.3	55.0	4.5	8.3	0.76	10.7	2.1	0.04	25.6	88.4	0.8	183	719	92
08-12-2023	91.6	56.7	4.8	8.6	0.88	10.7	2.1	0.04	24.9	88.6	0.9	138	720	95
09-12-2023	87.1	46.0	5.0	8.5	1.00	11.2	2.1	0.05	24.8	88.6	1.0	125	721	87
10-12-2023	77.6	57.3	4.4	8.6	0.75	11.2	2.1	0.03	24.5	88.7	1.0	128	720	96
11-12-2023	94.5	51.7	4.9	8.5	1.01	11.0	2.1	0.04	24.7	88.6	1.0	133	721	95
12-12-2023	119.5	66.6	4.8	8.5	1.09	10.9	2.1	0.05	23.8	88.8	1.0	126	720	122
13-12-2023	117.6	67.2	5.8	8.8	1.09	11.0	2.0	0.05	23.1	88.9	1.1	120	721	124
14-12-2023	102.3	65.8	5.1	8.5	0.87	10.9	2.1	0.03	22.6	89.0	1.1	127	722	119
15-12-2023	129.8	62.3	5.7	8.5	1.01	11.0	2.1	0.05	22.5	89.1	1.1	122	722	120
16-12-2023	71.5	37.2	5.3	8.6	1.13	11.1	2.1	0.05	23.5	88.9	1.1	120	722	72
17-12-2023	81.4	40.2	5.0	8.6	1.06	11.1	2.1	0.04	22.8	89.1	1.1	119	721	84
18-12-2023	104.6	52.5	4.8	8.3	1.11	11.3	2.1	0.04	22.0	89.3	1.1	121	722	103
19-12-2023	142.2	85.3	5.1	8.6	1.20	11.0	2.1	0.04	23.0	89.0	1.2	116	723	184
20-12-2023	126.8	71.0	4.6	8.7	1.25	10.9	2.1	0.05	22.7	89.1	1.0	123	723	137
21-12-2023	106.1	61.0	4.7	8.5	1.05	10.8	2.1	0.04	22.9	89.0	0.9	135	722	104
22-12-2023	129.4	81.3	4.9	8.6	1.24	11.0	2.1	0.06	24.4	88.7	0.8	145	722	171
23-12-2023	130.4	84.4	4.7	8.5	0.95	11.0	2.1	0.04	23.2	88.9	1.0	133	723	181
24-12-2023	114.6	66.8	4.7	8.5	0.97	11.1	2.1	0.05	23.3	88.9	1.0	126	724	123
25-12-2023	77.6	39.8	5.2	8.5	0.85	11.1	2.1	0.03	23.1	89.0	1.1	126	724	78
26-12-2023	90.6	63.1	4.8	8.6	0.86	11.2	2.1	0.03	23.4	88.9	1.0	129	724	110
27-12-2023	91.5	42.9	4.2	8.5	0.93	11.2	2.1	0.04	23.0	89.0	1.1	124	724	92
28-12-2023	85.6	44.0	4.7	8.7	0.83	11.2	2.1	0.04	23.2	88.9	1.1	127	723	86
29-12-2023	79.3	45.4	4.5	8.5	0.86	11.1	2.1	0.03	22.7	89.1	1.1	128	723	79
30-12-2023	67.3	35.9	5.0	8.6	0.74	11.2	2.1	0.03	23.6	88.8	1.1	136	723	67
31-12-2023	74.8	46.7	5.1	8.5	0.66	11.2	2.1	0.03	22.6	89.0	1.1	135	722	75
<b>Minimum</b>	<b>60.9</b>	<b>26.3</b>	<b>4.2</b>	<b>8.3</b>	<b>0.66</b>	<b>10.3</b>	<b>2.0</b>	<b>0.03</b>	<b>22.0</b>	<b>88.4</b>	<b>0.6</b>	<b>110</b>	<b>716</b>	<b>*</b>
<b>Maximum</b>	<b>142.2</b>	<b>85.3</b>	<b>5.8</b>	<b>8.8</b>	<b>1.58</b>	<b>11.3</b>	<b>2.1</b>	<b>0.14</b>	<b>25.6</b>	<b>89.3</b>	<b>1.2</b>	<b>268</b>	<b>724</b>	<b>*</b>
<b>Average</b>	<b>96.6</b>	<b>53.8</b>	<b>4.9</b>	<b>8.6</b>	<b>0.99</b>	<b>11.0</b>	<b>2.1</b>	<b>0.05</b>	<b>23.5</b>	<b>88.9</b>	<b>1.0</b>	<b>139</b>	<b>721</b>	<b>*</b>

**NIMHANS- December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD degree	BP mmHg	AQI
01-12-2023	26.1	10.5	3.6	12.2	0.35	19.9	6.2	0.11	22.7	89	0.8	121	714	26
02-12-2023	44.6	17.9	3.7	9.3	0.30	27.7	5.4	0.14	22.6	84	1.2	112	713	45
03-12-2023	16.5	6.7	4.1	3.7	0.20	24.9	3.8	0.12	22.0	92	1.4	120	713	25
04-12-2023	32.9	13.2	3.0	3.7	0.30	29.4	3.8	0.11	21.9	87	1.8	241	711	33
05-12-2023	45.0	17.9	3.5	3.7	0.36	18.8	3.8	0.15	22.4	85	1.4	254	711	45
06-12-2023	75.8	30.4	3.5	3.8	0.44	4.8	3.7	0.40	23.8	80	0.4	179	713	76
07-12-2023	75.8	30.3	3.9	3.8	0.25	7.7	3.8	0.24	24.4	82	0.6	165	713	76
08-12-2023	64.4	25.7	4.0	3.7	0.29	6.6	3.8	0.16	23.8	85	0.9	122	714	64
09-12-2023	55.1	22.0	4.0	3.8	0.23	6.4	3.7	0.14	23.8	84	1.0	115	715	55
10-12-2023	54.5	21.8	3.8	3.7	0.25	10.6	3.8	0.11	23.4	72	1.1	117	714	55
11-12-2023	58.4	23.4	3.8	3.7	0.27	14.3	3.8	0.12	23.6	68	1.0	121	715	58
12-12-2023	69.6	28.0	4.3	3.7	0.26	8.4	3.8	0.13	22.8	68	1.0	114	714	70
13-12-2023	71.3	28.7	3.8	3.8	0.24	5.8	3.8	0.12	21.9	67	1.1	115	715	71
14-12-2023	73.2	29.3	3.1	8.5	0.24	6.8	4.9	0.11	21.4	68	1.1	118	716	73
15-12-2023	75.3	30.3	3.2	21.4	0.33	9.1	7.3	0.13	21.3	76	0.9	117	716	75
16-12-2023	36.6	14.6	3.6	24.2	0.34	5.1	6.7	0.13	22.4	75	1.0	113	716	37
17-12-2023	44.5	17.7	3.8	25.2	0.38	5.0	6.7	0.11	21.8	76	1.0	114	715	45
18-12-2023	67.8	27.1	3.9	26.6	0.37	5.2	7.0	0.13	21.2	75	1.1	113	716	68
19-12-2023	98.6	40.0	4.3	27.1	0.41	6.4	7.6	0.13	21.9	67	1.0	115	716	99
20-12-2023	91.0	36.3	3.4	28.1	0.44	5.7	7.4	0.14	21.8	71	1.0	118	716	91
21-12-2023	85.8	34.3	3.4	28.8	0.43	5.0	7.2	0.17	21.7	74	0.9	128	716	86
22-12-2023	98.5	39.5	3.1	29.9	0.38	5.2	7.3	0.19	23.1	68	0.7	140	716	99
23-12-2023	114.0	45.6	3.4	29.7	0.34	5.1	7.6	0.17	21.6	59	0.8	121	717	109
24-12-2023	91.8	36.7	3.3	28.8	0.38	5.0	7.6	0.16	21.9	67	0.9	121	718	92
25-12-2023	56.6	22.7	3.5	27.8	0.43	4.7	7.0	0.11	22.0	72	1.0	118	718	57
26-12-2023	62.4	24.9	3.8	27.9	0.35	4.8	6.9	0.12	22.1	62	0.9	117	718	62
27-12-2023	59.6	23.9	3.2	27.7	0.35	4.6	7.0	0.12	21.7	62	1.1	118	718	60
28-12-2023	59.2	23.6	3.2	28.3	0.36	4.5	7.1	0.13	21.9	69	1.1	118	717	59
29-12-2023	54.5	21.8	3.4	28.0	0.36	4.5	7.0	0.13	21.4	72	1.2	117	717	55
30-12-2023	44.2	17.6	3.1	27.3	0.37	4.3	6.8	0.11	22.6	68	1.4	121	716	44
31-12-2023	61.3	24.5	3.1	27.7	0.37	4.3	7.0	0.11	21.3	69	1.3	123	716	61
<b>Minimum</b>	<b>16.5</b>	<b>6.7</b>	<b>3.0</b>	<b>3.7</b>	<b>0.20</b>	<b>4.3</b>	<b>3.7</b>	<b>0.11</b>	<b>21.2</b>	<b>59</b>	<b>0.4</b>	<b>112</b>	<b>711</b>	<b>*</b>
<b>Maximum</b>	<b>114.0</b>	<b>45.6</b>	<b>4.3</b>	<b>29.9</b>	<b>0.44</b>	<b>29.4</b>	<b>7.6</b>	<b>0.40</b>	<b>24.4</b>	<b>92</b>	<b>1.8</b>	<b>254</b>	<b>718</b>	<b>*</b>
<b>Average</b>	<b>63.4</b>	<b>25.4</b>	<b>3.6</b>	<b>17.3</b>	<b>0.33</b>	<b>9.0</b>	<b>5.8</b>	<b>0.14</b>	<b>22.3</b>	<b>74</b>	<b>1.0</b>	<b>131</b>	<b>715</b>	<b>*</b>



### H.S.R Layout, Near Central Silkboard- December 2023

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD degree	BP mmHg	AQI
01-12-2023	89.1	62.5	6.2	23.4	0.37	16.8	9.0	0.20	22.0	74	1.0	108	688	108
02-12-2023	111.8	78.3	5.5	24.3	0.41	18.7	9.9	0.23	21.7	73	1.2	115	687	161
03-12-2023	47.3	33.1	4.6	23.2	0.31	16.5	9.4	0.17	21.0	81	1.3	156	687	55
04-12-2023	139.2	97.5	6.7	31.8	0.67	14.7	9.8	0.38	21.3	76	1.8	272	686	225
05-12-2023	204.5	143.1	8.1	35.1	1.01	13.4	11.1	0.56	22.1	72	1.4	232	686	318
06-12-2023	152.5	99.9	4.2	40.3	1.33	16.9	11.2	0.74	23.7	66	0.5	123	687	233
07-12-2023	105.8	42.3	5.2	22.4	0.47	23.8	11.2	0.26	23.5	71	0.8	121	688	104
08-12-2023	85.1	34.0	6.9	18.3	0.29	26.0	10.4	0.16	23.0	74	1.1	93	688	85
09-12-2023	74.5	29.8	7.9	18.1	0.31	24.2	9.7	0.17	22.9	75	1.2	89	689	75
10-12-2023	71.3	28.5	4.5	18.7	0.24	26.7	12.3	0.13	22.6	72	1.3	90	689	71
11-12-2023	86.3	34.5	7.3	18.9	0.28	30.3	10.5	0.16	22.9	68	1.2	95	689	86
12-12-2023	109.5	43.9	5.6	21.3	0.37	25.4	10.5	0.21	21.9	68	1.2	98	688	106
13-12-2023	112.3	45.0	7.5	20.8	0.33	19.4	10.1	0.18	21.1	66	1.2	96	689	108
14-12-2023	96.6	38.7	4.0	18.5	0.28	16.4	10.0	0.15	20.7	68	1.3	97	690	97
15-12-2023	103.7	41.3	6.7	18.4	0.37	11.9	9.3	0.21	20.4	76	1.1	95	690	102
16-12-2023	66.5	26.7	4.3	19.2	0.40	7.9	10.2	0.22	21.6	75	1.1	98	689	67
17-12-2023	65.2	20.3	4.8	17.8	0.39	5.8	12.2	0.22	21.0	76	1.2	90	689	65
18-12-2023	100.6	39.7	5.9	18.5	0.33	3.5	12.8	0.19	20.3	75	1.3	91	690	100
19-12-2023	142.3	61.6	5.6	20.7	0.41	1.6	13.6	0.23	21.1	67	1.3	95	690	128
20-12-2023	127.2	55.6	6.8	18.7	0.35	11.7	13.7	0.20	20.9	71	1.2	98	690	118
21-12-2023	125.4	45.8	6.9	19.4	0.47	17.1	14.0	0.26	21.1	73	1.1	95	690	117
22-12-2023	138.5	53.1	4.3	22.1	0.44	16.5	15.4	0.25	22.6	67	1.0	116	690	126
23-12-2023	130.4	59.6	4.7	17.2	0.27	12.1	15.1	0.15	21.0	59	1.1	89	690	120
24-12-2023	113.8	50.0	5.0	17.9	0.37	11.9	16.0	0.20	21.1	67	1.1	91	691	109
25-12-2023	70.6	28.8	8.0	15.4	0.29	12.9	15.3	0.16	21.2	73	1.2	90	691	71
26-12-2023	85.3	30.3	2.7	17.5	0.30	15.7	15.5	0.17	21.5	61	1.2	89	691	85
27-12-2023	90.4	29.9	6.5	17.5	0.26	16.2	15.9	0.14	21.1	61	1.3	94	691	90
28-12-2023	86.0	32.4	5.6	16.6	0.27	14.1	16.8	0.15	21.1	69	1.2	95	690	86
29-12-2023	81.3	27.6	5.2	15.7	0.26	13.6	15.5	0.15	20.7	72	1.3	89	690	81
30-12-2023	85.2	21.4	6.1	14.7	0.22	13.1	16.1	0.13	21.8	68	1.3	93	690	85
31-12-2023	89.1	33.7	5.8	13.9	0.23	9.7	15.5	0.13	20.6	69	1.2	91	690	89
Minimum	47.3	20.3	2.7	13.9	0.22	1.6	9.0	0.13	20.3	59	0.5	89	686	*
Maximum	204.5	143.1	8.1	40.3	1.33	30.3	16.8	0.74	23.7	81	1.8	272	691	*
Average	102.8	47.4	5.8	20.5	0.40	15.6	12.5	0.22	21.6	70	1.2	109	689	*

### R.V.Engineering College, Kengeri- December 2023

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD Degree	BP mb	SR W/m <sup>2</sup>	AQI
01-12-2023	101.0	30.4	5.7	24.4	1.06	26.5	13.6	0.60	23.7	73	0.9	81	905	89	101
02-12-2023	124.0	34.1	5.9	24.6	1.04	25.7	7.6	0.73	23.9	69	1.3	35	905	128	116
03-12-2023	93.0	29.3	5.7	29.4	0.86	29.1	9.9	0.42	22.9	79	1.2	195	903	70	93
04-12-2023	112.9	33.6	5.9	31.4	0.91	31.4	9.1	0.73	22.6	76	1.0	278	902	69	109
05-12-2023	122.6	41.6	6.0	18.6	1.54	34.4	7.5	2.95	22.8	78	0.6	183	903	98	115
06-12-2023	115.2	46.4	5.9	16.2	1.49	27.5	11.5	2.82	24.4	71	0.5	156	906	141	110
07-12-2023	199.5	47.0	6.0	23.1	1.05	27.1	10.2	0.97	25.0	71	0.6	141	907	138	166
08-12-2023	154.1	42.7	5.9	8.6	1.08	26.5	7.3	0.69	24.8	72	0.9	100	906	92	136
09-12-2023	126.1	41.3	6.0	24.9	0.97	25.5	10.1	0.51	24.5	72	0.9	72	906	108	117
10-12-2023	116.9	38.5	5.8	13.0	0.99	18.3	6.9	0.42	24.6	68	1.0	76	906	141	111
11-12-2023	136.9	42.9	5.6	14.5	0.98	22.5	11.0	0.66	24.4	66	0.8	99	906	117	125
12-12-2023	143.7	42.7	5.9	24.9	1.06	24.7	14.2	0.64	23.4	66	1.0	67	905	125	129
13-12-2023	144.0	43.6	6.0	24.9	0.97	31.0	6.9	0.57	22.7	64	1.0	59	903	143	129
14-12-2023	142.5	43.4	5.9	18.9	0.94	25.7	11.6	0.51	22.3	66	1.0	68	903	139	128
15-12-2023	145.4	42.1	5.8	8.6	1.08	21.8	7.4	0.69	22.9	72	1.0	63	904	128	130
16-12-2023	99.9	34.0	5.9	28.9	1.03	23.4	10.6	0.56	23.6	72	1.1	58	905	106	100
17-12-2023	101.8	34.3	5.8	31.4	1.05	24.1	8.8	0.60	22.7	73	1.0	62	903	68	101
18-12-2023	146.0	41.6	6.0	23.8	1.07	24.6	15.2	0.57	22.0	71	1.2	62	902	62	131
19-12-2023	183.8	52.4	5.9	7.6	1.10	25.3	6.8	0.71	22.7	63	1.1	53	904	139	156
20-12-2023	175.8	50.8	5.7	22.0	1.02	26.4	10.6	0.77	22.7	70	1.0	68	904	107	151
21-12-2023	164.0	48.6	5.5	24.9	1.06	25.3	8.7	1.13	22.8	72	0.8	91	904	138	143
22-12-2023	206.2	54.5	6.2	9.4	1.10	23.3	8.0	1.23	23.7	65	0.8	102	905	134	171
23-12-2023	199.9	54.7	5.8	19.4	1.11	20.0	11.9	1.03	22.3	52	0.9	87	904	159	167
24-12-2023	147.2	50.4	5.8	31.2	0.96	38.1	12.0	0.83	23.6	63	1.1	66	905	156	131
25-12-2023	109.0	43.4	5.4	28.8	0.81	49.1	14.3	0.52	22.8	69	1.1	78	903	122	106
26-12-2023	116.1	43.8	6.1	24.9	1.05	25.5	16.5	0.56	22.8	57	1.0	77	904	166	111
27-12-2023	110.7	40.7	5.8	24.9	1.06	26.5	6.7	0.58	23.0	56	1.1	67	905	170	107
28-12-2023	111.8	36.7	5.8	24.9	1.04	29.6	15.3	0.63	23.2	67	1.1	79	904	152	108
29-12-2023	103.8	34.7	5.7	24.9	1.51	33.3	17.4	0.41	21.9	72	1.0	75	902	46	103
30-12-2023	106.4	34.9	6.0	24.9	0.97	32.3	9.7	0.72	23.2	65	1.0	87	904	156	104
31-12-2023	128.7	40.7	6.1	31.2	0.87	27.2	9.2	0.69	22.3	65	1.0	88	903	164	119
<b>Minimum</b>	<b>93.0</b>	<b>29.3</b>	<b>5.4</b>	<b>7.6</b>	<b>0.81</b>	<b>18.3</b>	<b>6.7</b>	<b>0.41</b>	<b>21.9</b>	<b>52</b>	<b>0.5</b>	<b>35</b>	<b>902</b>	<b>46</b>	<b>*</b>
<b>Maximum</b>	<b>206.2</b>	<b>54.7</b>	<b>6.2</b>	<b>31.4</b>	<b>1.54</b>	<b>49.1</b>	<b>17.4</b>	<b>2.95</b>	<b>25.0</b>	<b>79</b>	<b>1.3</b>	<b>278</b>	<b>907</b>	<b>170</b>	<b>*</b>
<b>Average</b>	<b>135.1</b>	<b>41.8</b>	<b>5.9</b>	<b>22.2</b>	<b>1.06</b>	<b>27.5</b>	<b>10.5</b>	<b>0.82</b>	<b>23.2</b>	<b>68</b>	<b>1.0</b>	<b>93</b>	<b>904</b>	<b>122</b>	<b>*</b>

**Jigani Industrial Area, Anekal- December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD Degree	BP mb	SR W/m <sup>2</sup>	AQI
01-12-2023	60.5	22.7	24.3	6.5	1.12	28.0	8.9	0.92	26.1	81	0.2	120	936	106	61
02-12-2023	75.7	30.2	25.0	4.4	0.99	38.6	6.8	0.50	26.3	76	0.7	43	935	137	76
03-12-2023	47.7	12.8	26.5	2.1	1.10	34.2	4.6	0.45	25.9	83	0.9	44	935	90	55
04-12-2023	65.5	23.1	24.3	2.1	0.90	33.3	4.6	0.37	25.6	82	0.2	130	934	50	66
05-12-2023	105.0	44.8	27.9	3.8	1.45	47.1	6.8	2.31	26.1	79	0.1	148	935	125	103
06-12-2023	96.2	43.3	26.5	2.8	1.37	40.1	5.5	2.06	27.3	72	0.1	145	935	136	96
07-12-2023	112.5	44.5	26.6	2.1	1.11	37.5	4.6	1.12	27.2	77	0.1	160	936	134	108
08-12-2023	89.5	45.3	25.3	2.1	1.15	28.7	4.5	0.65	26.8	80	0.1	179	937	92	90
09-12-2023	82.9	38.8	26.6	2.1	1.12	37.9	4.6	0.89	26.5	81	0.2	197	937	140	83
10-12-2023	75.3	33.7	25.3	4.5	1.06	45.3	7.8	0.99	26.5	77	0.2	157	937	168	75
11-12-2023	86.9	35.6	26.6	2.2	1.19	51.5	4.6	0.84	26.5	74	0.2	173	937	169	87
12-12-2023	92.7	44.4	24.4	2.1	1.13	52.9	4.5	0.58	25.8	75	0.2	141	936	157	93
13-12-2023	94.0	44.4	22.3	3.2	1.15	54.6	6.0	0.64	25.2	72	0.2	135	937	166	94
14-12-2023	98.5	49.6	24.3	3.5	0.95	46.8	6.4	0.64	25.1	73	0.2	155	938	180	99
15-12-2023	91.0	42.9	22.3	2.1	1.15	43.3	4.5	0.98	25.2	83	0.2	159	938	114	91
16-12-2023	65.7	26.3	24.3	2.1	1.11	36.8	4.5	0.94	26.0	81	0.2	145	937	111	66
17-12-2023	68.1	36.3	24.0	4.5	1.17	44.5	7.8	0.58	25.4	80	0.2	166	937	72	68
18-12-2023	104.6	43.9	28.0	4.9	1.10	56.1	8.4	0.66	24.9	79	0.2	141	938	77	103
19-12-2023	118.3	64.4	34.8	6.6	1.09	67.5	10.3	0.61	25.4	73	0.2	147	938	175	115
20-12-2023	124.0	74.6	32.7	6.5	0.99	60.0	10.1	0.96	23.8	87	0.2	155	938	8	149
21-12-2023	64.4	40.6	34.6	5.9	1.04	40.4	10.0	0.90	25.6	79	0.2	144	938	125	68
22-12-2023	114.8	50.7	34.5	7.1	1.20	52.1	10.3	0.48	26.2	71	0.2	119	938	175	110
23-12-2023	115.7	53.3	33.3	4.6	1.45	52.0	7.1	0.35	24.7	62	0.2	155	938	209	110
24-12-2023	84.3	43.0	25.4	4.4	1.24	47.5	7.6	0.55	26.5	67	0.2	141	938	313	84
25-12-2023	92.5	36.7	26.2	4.7	1.28	40.4	7.2	0.37	26.2	71	0.2	162	938	176	93
26-12-2023	85.9	31.3	31.0	8.4	1.09	35.9	12.4	0.63	25.5	64	0.2	168	939	214	86
27-12-2023	85.0	27.5	32.3	10.1	1.10	38.2	16.5	0.94	25.4	66	0.2	142	939	212	85
28-12-2023	95.8	36.1	32.3	10.1	1.22	33.9	16.5	0.94	25.4	76	0.2	174	938	136	96
29-12-2023	82.6	26.1	32.3	6.1	1.13	30.9	10.6	0.94	25.1	77	0.2	184	938	117	83
30-12-2023	79.0	25.1	32.3	4.4	1.15	32.2	7.6	0.94	25.6	75	0.1	176	938	189	79
31-12-2023	96.5	36.1	32.3	6.2	0.96	44.5	10.7	0.94	24.8	74	0.2	174	938	182	97
<b>Minimum</b>	<b>47.7</b>	<b>12.8</b>	<b>22.3</b>	<b>2.1</b>	<b>0.90</b>	<b>28.0</b>	<b>4.5</b>	<b>0.35</b>	<b>23.8</b>	<b>62</b>	<b>0.1</b>	<b>43</b>	<b>934</b>	<b>8</b>	<b>*</b>
<b>Maximum</b>	<b>124.0</b>	<b>74.6</b>	<b>34.8</b>	<b>10.1</b>	<b>1.45</b>	<b>67.5</b>	<b>16.5</b>	<b>2.31</b>	<b>27.3</b>	<b>87</b>	<b>0.9</b>	<b>197</b>	<b>939</b>	<b>313</b>	<b>*</b>
<b>Average</b>	<b>88.7</b>	<b>39.0</b>	<b>28.0</b>	<b>4.6</b>	<b>1.14</b>	<b>43.0</b>	<b>7.8</b>	<b>0.83</b>	<b>25.8</b>	<b>76</b>	<b>0.2</b>	<b>148</b>	<b>937</b>	<b>144</b>	<b>*</b>

### Kasturinagar RTO- December 2023

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD Degree	BP mb	SR W/m <sup>2</sup>	AQI
01-12-2023	51.4	21.4	6.7	13.3	0.50	34.2	14.3	1.63	22.6	80	1.1	164	947	124	51
02-12-2023	77.1	21.4	6.7	13.3	0.49	45.3	14.3	1.63	22.5	79	1.4	282	927	160	77
03-12-2023	36.2	21.3	6.7	13.3	0.49	40.5	14.3	1.62	21.6	87	2.0	324	923	95	41
04-12-2023	70.4	21.4	6.7	13.3	0.50	33.5	14.3	1.64	21.6	81	1.7	319	919	80	70
05-12-2023	91.5	21.5	6.7	13.3	0.49	19.3	14.3	1.75	22.5	79	1.1	227	927	131	92
06-12-2023	125.6	21.4	6.7	13.3	0.50	46.7	14.3	1.67	24.8	70	1.1	181	931	181	117
07-12-2023	93.1	21.4	6.7	13.3	0.50	60.3	14.3	1.66	24.6	73	1.2	148	930	153	93
08-12-2023	89.2	44.2	6.7	13.3	0.49	47.6	14.3	1.65	24.1	75	1.3	116	929	138	89
09-12-2023	117.4	50.6	6.7	13.3	0.50	49.0	14.3	1.65	23.3	78	1.5	99	926	142	112
10-12-2023	97.7	42.1	6.7	13.3	0.50	59.0	14.3	1.66	23.5	73	1.6	101	908	180	98
11-12-2023	120.2	49.8	6.7	13.3	0.50	71.8	14.3	1.66	23.6	69	1.2	107	916	198	113
12-12-2023	119.9	49.7	6.7	13.3	0.50	78.4	14.3	1.66	22.4	70	1.2	104	928	195	113
13-12-2023	122.4	50.5	6.7	13.3	0.49	76.7	14.3	1.57	22.0	67	1.3	120	938	213	115
14-12-2023	127.8	52.4	6.7	13.3	0.50	66.9	14.3	1.66	21.7	69	1.4	95	939	208	119
15-12-2023	119.1	49.4	6.7	13.3	0.50	59.5	14.3	1.65	21.7	78	1.3	89	962	146	113
16-12-2023	77.5	35.3	6.7	13.3	0.50	51.0	14.3	1.65	22.3	79	1.3	98	963	117	78
17-12-2023	88.4	39.0	6.7	13.3	0.50	54.2	14.3	1.66	21.6	78	1.5	86	959	89	88
18-12-2023	77.6	35.3	6.7	13.3	0.49	70.7	14.3	1.66	20.8	77	1.6	88	941	91	78
19-12-2023	31.7	14.8	6.7	13.3	0.49	81.7	14.3	1.66	21.6	70	1.2	99	949	203	82
20-12-2023	111.6	53.7	6.7	13.3	0.50	65.1	14.3	1.61	21.9	75	1.3	98	941	167	108
21-12-2023	124.9	61.4	6.7	13.3	0.50	47.5	14.3	1.61	22.2	74	1.1	111	937	158	117
22-12-2023	127.5	69.3	6.7	13.3	0.50	66.4	14.3	1.61	22.5	71	1.1	155	939	192	131
23-12-2023	111.7	64.0	6.7	13.3	0.49	71.6	14.3	1.61	21.5	57	1.2	109	943	238	113
24-12-2023	95.9	52.4	6.7	13.3	0.50	61.0	14.3	1.61	22.6	68	1.4	106	943	230	96
25-12-2023	80.0	42.6	6.7	13.3	0.50	50.4	14.3	1.61	21.9	74	1.6	98	938	160	80
26-12-2023	92.5	42.7	6.7	13.3	0.50	51.8	14.3	1.61	22.1	60	1.6	86	942	244	93
27-12-2023	97.2	42.0	6.7	13.3	0.50	55.3	14.3	1.61	22.1	61	1.5	89	941	244	97
28-12-2023	106.6	45.2	6.7	13.3	0.49	43.2	14.3	1.61	22.3	71	1.4	103	939	210	104
29-12-2023	90.3	39.6	6.7	13.3	0.50	45.9	14.3	1.61	21.6	73	1.5	97	940	140	90
30-12-2023	77.5	35.3	6.7	13.3	0.50	50.4	14.3	1.61	22.8	67	1.4	114	945	224	78
31-12-2023	103.8	44.2	6.7	13.3	0.50	57.5	14.3	1.61	21.7	68	1.4	115	941	220	103
<b>Minimum</b>	<b>31.7</b>	<b>14.8</b>	<b>6.7</b>	<b>13.3</b>	<b>0.49</b>	<b>19.3</b>	<b>14.3</b>	<b>1.57</b>	<b>20.8</b>	<b>57</b>	<b>1.1</b>	<b>86</b>	<b>908</b>	<b>80</b>	*
<b>Maximum</b>	<b>127.8</b>	<b>69.3</b>	<b>6.7</b>	<b>13.3</b>	<b>0.50</b>	<b>81.7</b>	<b>14.3</b>	<b>1.75</b>	<b>24.8</b>	<b>87</b>	<b>2.0</b>	<b>324</b>	<b>963</b>	<b>244</b>	*
<b>Average</b>	<b>95.3</b>	<b>40.5</b>	<b>6.7</b>	<b>13.3</b>	<b>0.50</b>	<b>55.2</b>	<b>14.3</b>	<b>1.64</b>	<b>22.4</b>	<b>73</b>	<b>1.4</b>	<b>133</b>	<b>937</b>	<b>170</b>	*

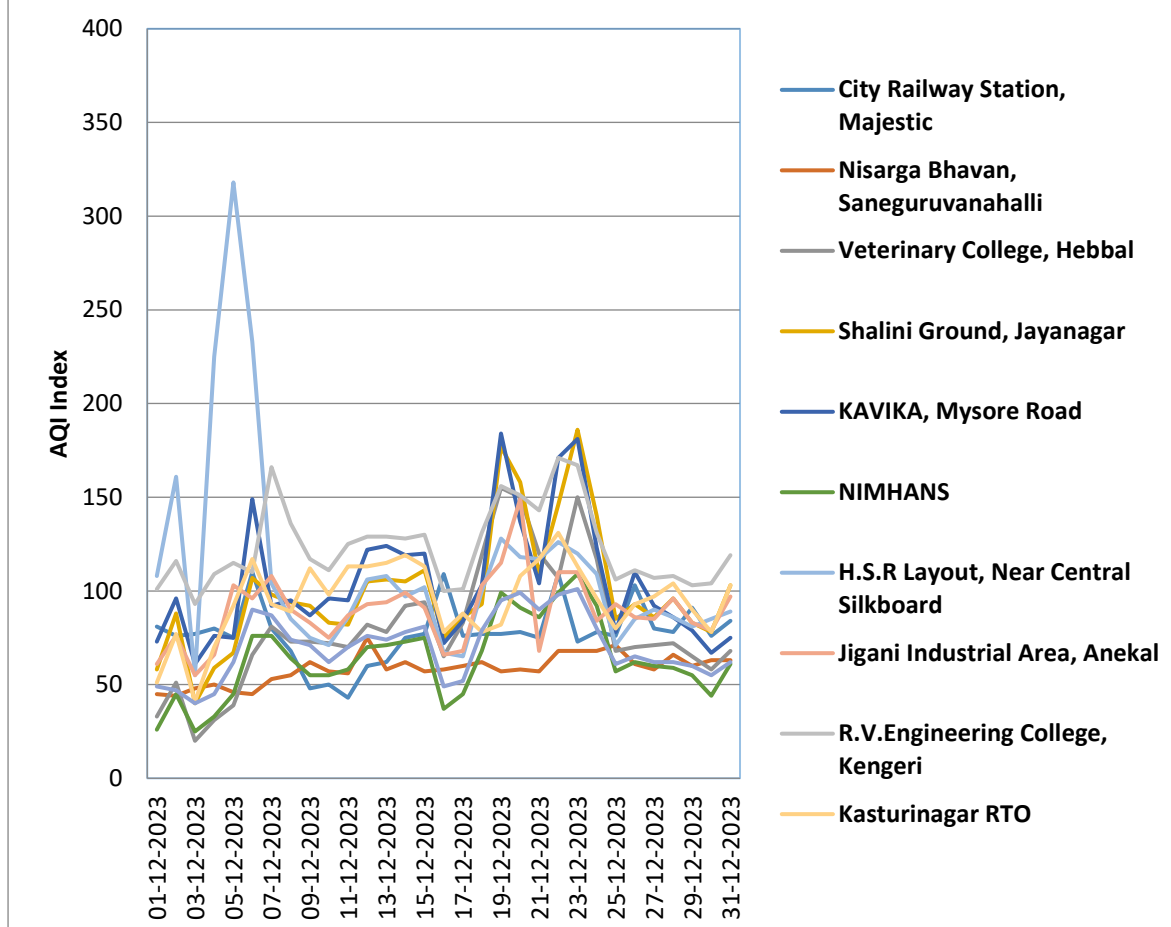
**Peenya Industrial Area, Peenya- December 2023**

Date	PM <sub>10</sub> µg/m <sup>3</sup>	PM <sub>2.5</sub> µg/m <sup>3</sup>	SO <sub>2</sub> µg/m <sup>3</sup>	NO <sub>2</sub> µg/m <sup>3</sup>	CO mg/m <sup>3</sup>	O <sub>3</sub> µg/m <sup>3</sup>	NH <sub>3</sub> µg/m <sup>3</sup>	Benzene µg/m <sup>3</sup>	Temp °C	RH %	WS m/s	WD Degree	BP mb	SR W/m <sup>2</sup>	AQI
01-12-2023	33.9	15.8	5.1	12.4	0.97	29.9	15.3	1.42	23.4	79	0.3	105	938	69	49
02-12-2023	43.3	22.2	5.3	12.4	0.57	47.2	15.3	2.64	23.6	71	0.3	64	937	87	47
03-12-2023	27.4	18.8	3.2	12.4	0.52	39.5	15.3	0.87	22.7	80	0.3	192	937	61	40
04-12-2023	36.0	19.3	3.1	12.4	0.50	45.0	15.3	1.15	22.6	83	0.7	252	936	55	45
05-12-2023	62.1	32.4	5.0	12.4	0.87	26.0	15.3	2.25	23.0	67	0.6	166	936	77	62
06-12-2023	89.6	40.3	3.2	12.4	0.91	49.3	15.3	3.22	24.4	59	0.5	148	937	81	90
07-12-2023	86.5	41.7	5.5	12.4	0.80	64.4	15.3	2.40	24.8	57	0.6	137	938	92	87
08-12-2023	73.7	39.5	5.4	12.4	0.74	47.9	15.3	2.71	24.4	67	0.6	113	938	71	74
09-12-2023	70.5	37.0	5.2	12.4	0.68	46.5	15.3	2.70	24.1	79	0.4	105	939	74	71
10-12-2023	57.5	25.2	4.0	12.4	0.56	61.8	15.3	1.93	24.2	90	0.5	110	938	65	62
11-12-2023	70.3	24.8	7.1	12.4	0.70	69.6	15.2	2.75	24.0	91	0.5	104	938	77	70
12-12-2023	73.1	21.0	6.6	12.4	0.67	75.6	15.2	2.70	23.4	66	0.4	111	938	75	76
13-12-2023	71.9	22.9	6.0	12.4	0.61	74.2	15.3	2.26	22.9	79	0.4	91	939	90	74
14-12-2023	78.1	34.0	5.2	12.4	0.68	67.3	15.3	1.99	22.6	59	0.5	107	939	92	78
15-12-2023	80.6	25.7	6.4	12.4	0.76	57.2	15.3	2.41	23.0	65	0.4	96	939	62	81
16-12-2023	48.5	24.3	4.4	12.4	0.73	46.4	15.3	1.67	23.3	72	0.4	95	939	66	49
17-12-2023	52.3	21.3	3.0	12.4	0.72	47.2	15.3	1.43	22.7	74	0.4	98	939	54	52
18-12-2023	79.3	23.5	5.1	12.4	0.68	62.9	15.3	1.87	22.4	70	0.4	102	940	62	79
19-12-2023	94.9	28.9	9.0	12.4	0.66	79.2	15.3	1.69	22.7	63	0.4	86	940	86	95
20-12-2023	99.4	27.7	7.7	12.4	0.77	65.2	15.3	2.63	22.8	67	0.4	105	940	78	99
21-12-2023	89.5	32.5	5.6	12.4	0.90	50.2	15.3	2.39	23.1	61	0.5	109	940	83	90
22-12-2023	98.3	35.4	6.6	12.4	0.80	59.1	15.3	2.73	23.3	59	0.4	151	939	83	98
23-12-2023	101.0	35.6	5.5	12.4	0.78	68.1	15.3	3.67	22.7	48	0.5	107	940	88	101
24-12-2023	79.5	32.0	5.7	12.4	0.80	64.1	15.3	2.81	23.4	60	0.4	108	941	77	80
25-12-2023	61.1	26.8	3.8	12.4	0.70	44.6	15.3	2.23	23.0	60	0.5	108	940	91	61
26-12-2023	65.3	34.0	3.4	12.4	0.65	44.9	15.3	2.19	22.9	48	0.4	100	941	80	65
27-12-2023	62.1	25.6	6.8	12.4	0.76	48.9	15.3	1.78	22.9	46	0.4	92	940	79	62
28-12-2023	62.4	26.7	9.1	12.4	0.69	46.0	15.3	2.05	23.2	58	0.6	113	940	87	62
29-12-2023	59.9	25.9	8.3	12.3	0.78	39.5	15.3	2.47	22.7	64	0.5	108	940	72	60
30-12-2023	50.3	20.6	5.3	12.4	0.63	55.1	15.3	2.33	23.3	55	0.6	116	940	78	55
31-12-2023	59.9	27.4	4.2	12.4	0.63	62.2	15.3	1.53	22.7	53	0.6	116	900	82	62
Minimum	27.4	15.8	3.0	12.3	0.50	26.0	15.2	0.87	22.4	46	0.3	64	900	54	*
Maximum	101.0	41.7	9.1	12.4	0.97	79.2	15.3	3.67	24.8	91	0.7	252	941	92	*
Average	68.3	28.0	5.5	12.4	0.72	54.4	15.3	2.22	23.2	66	0.5	117	938	77	*

**Possible Health Impacts**

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

## AQI of CAAQMs in Bengaluru for the month of December-2023



### **INFERENCE:**

*The Air Quality monitored in all the 11 CAAQMs (Continuous Ambient Air Quality Monitoring Stations) installed in Bengaluru viz., City Railway Station, Hebbal, Saneguruvanahalli, NIMHANS, Jayanagar, KAVIKA Mysore Road, Central Silk Board-HSR Layout, Jigani Industrial Area, R.V College of Engineering, Kasturinagar RTO and Peenya Industrial Area for the month of December-2023 reveals that the Air quality ranges from Good and Moderate. In other words, the AQI observed during the month December-2023 are having more number of Good and Satisfactory days in over the number of days monitored.*

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