

**Kerala State Pollution Control Board**  
Pattom P.O., Thiruvananthapuram - 695 004  
Head Office: 0471 - 2318153, 54, 55, 56, 2312910



## Continuous Ambient Air Quality Monitoring Station



**Quarterly Report (September to November 2023)**

# CAAQMS

**Operated and Maintained by:-**  
**Ecotech Monitoring Solutions P Ltd**







# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Monthly Report on Meteorological Parameters

September 2023

Date/Day	AT (°C)	RH (%)	WS (m/s)	WD (deg.)	SR (W/m <sup>2</sup> )	BP (mmHg)	RF (mm)
01/09/2023 Fri	25.5	75	1.5	53	178	751	0.0
02/09/2023 Sat	24.4	79	0.9	76	102	751	0.0
03/09/2023 Sun	24.3	79	1.2	66	118	750	1.0
04/09/2023 Mon	25.0	74	1.4	73	127	749	0.0
05/09/2023 Tue	25.2	74	1.1	58	133	749	0.0
06/09/2023 Wed	24.7	75	0.9	73	123	750	3.0
07/09/2023 Thu	23.9	80	1.0	75	110	751	7.0
08/09/2023 Fri	24.7	77	1.0	68	134	752	1.0
09/09/2023 Sat	24.5	78	1.4	65	145	751	0.0
10/09/2023 Sun	24.5	76	1.4	69	148	751	0.0
11/09/2023 Mon	24.2	79	1.0	66	109	751	0.0
12/09/2023 Tue	25.3	74	1.7	61	176	750	0.0
13/09/2023 Wed	25.1	77	1.2	56	136	751	0.0
14/09/2023 Thu	24.7	79	0.9	59	156	751	0.0
15/09/2023 Fri	25.0	77	0.9	72	167	751	1.0
16/09/2023 Sat	23.8	81	0.7	78	99	751	4.0
17/09/2023 Sun	24.7	77	0.5	74	125	751	75.5
18/09/2023 Mon	24.4	80	0.8	66	142	751	2.0
19/09/2023 Tue	24.5	78	0.9	60	139	752	4.0
20/09/2023 Wed	25.3	77	0.9	68	150	751	2.5
21/09/2023 Thu	25.0	78	1.1	60	149	752	1.0
22/09/2023 Fri	24.4	78	1.1	63	129	751	0.0
23/09/2023 Sat	25.2	75	1.3	63	184	752	1.0
24/09/2023 Sun	25.1	74	1.4	65	187	752	0.0
25/09/2023 Mon	25.5	75	1.3	67	166	751	0.0
26/09/2023 Tue	25.7	76	1.4	59	175	751	2.0
27/09/2023 Wed	25.6	75	1.4	67	161	751	1.0
28/09/2023 Thu	24.8	76	1.2	69	141	751	0.0
29/09/2023 Fri	22.9	85	0.5	80	32	751	1.0
30/09/2023 Sat	23.8	84	1.1	61	56	751	1.0
<b>Average</b>	<b>24.7</b>	<b>77</b>	<b>1.1</b>	<b>66</b>	<b>137</b>	<b>751</b>	
<b>Minimum</b>	<b>22.9</b>	<b>74</b>	<b>0.5</b>	<b>53</b>	<b>32</b>	<b>749</b>	<b>0.0</b>
<b>Maximum</b>	<b>25.7</b>	<b>85</b>	<b>1.7</b>	<b>80</b>	<b>187</b>	<b>752</b>	<b>75.5</b>
<b>Total</b>							<b>108.0</b>
<b>Capture</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>98.9</b>	<b>100.0</b>

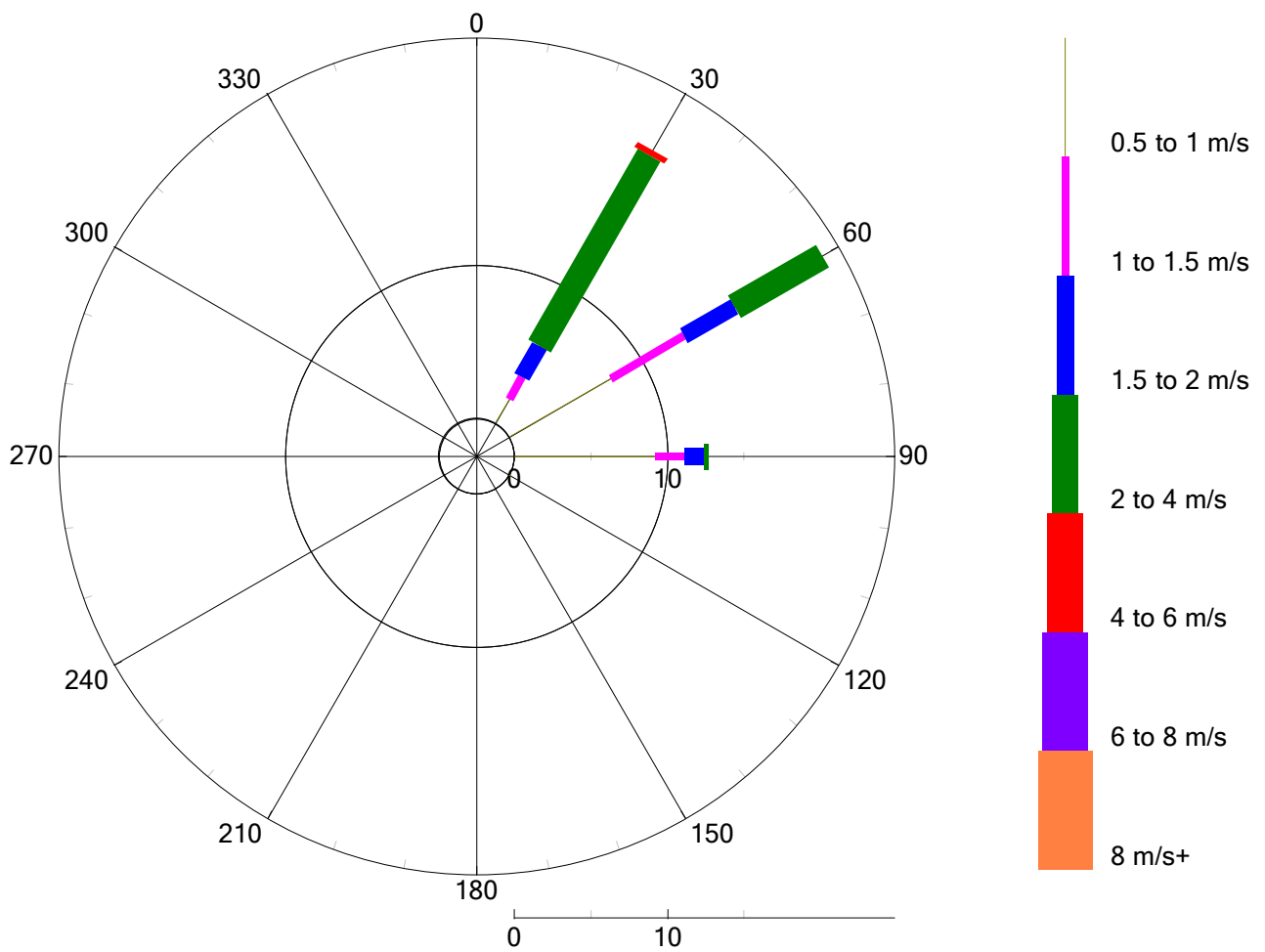


# Kerala State Pollution Control Board

Continuous Ambient Air Quality Monitoring Station, Trivandrum

Wind Rose

September 2023



43.1% calm  
100.0% valid data present



# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Monthly Report on Criteria Pollutants

October 2023

Date/Day	CO (mg/m <sup>3</sup> )	Ozone (µg/m <sup>3</sup> )	NO (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>X</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> )
01/10/2023 Sun	0.30	12.7	0.7	9.2	9.9	2.4	8.4	0	8
02/10/2023 Mon	0.29	18.4	0.7	9.2	9.9	2.4	7.5	1	13
03/10/2023 Tue	0.81	21.2	0.7	9.2	9.9	2.4	8.5	4	12
04/10/2023 Wed	0.69	16.8	0.7	9.2	9.9	2.4	7.7	4	14
05/10/2023 Thu	0.37	15.6	0.7	9.2	9.9	2.4	10.5	4	19
06/10/2023 Fri	0.38	16.7	0.7	9.2	9.9	2.4	7.3	11	38
07/10/2023 Sat	0.40	17.3	0.7	9.2	9.9	2.4	8.9	17	51
08/10/2023 Sun	0.39	17.0	0.7	9.2	9.9	2.4	6.7	14	40
09/10/2023 Mon	0.37	17.4	0.7	9.2	9.9	2.4	7.8	10	33
10/10/2023 Tue	0.37	15.6	0.7	9.2	9.9	2.4	8.5	8	27
11/10/2023 Wed	0.39	14.9	0.7	9.2	9.9	2.4	7.6	4	10
12/10/2023 Thu	0.59	11.0	0.7	9.2	9.9	2.4	7.7	7	14
13/10/2023 Fri	0.39	11.1	0.7	9.2	9.9	2.4	8.3	2	14
14/10/2023 Sat	0.35	10.7	0.7	9.2	9.9	2.4	8.3	5	14
15/10/2023 Sun	0.33	12.5	0.7	9.2	9.9	2.4	7.4	7	15
16/10/2023 Mon	0.46	13.2	0.7	9.2	9.9	2.4	9.1	5	12
17/10/2023 Tue	0.48	11.2	0.7	9.2	9.9	2.4	10.3	4	12
18/10/2023 Wed	0.67	17.0	0.7	9.2	9.9	2.4	8.0	7	16
19/10/2023 Thu	0.79	15.4	0.7	9.2	9.9	2.4	10.1	11	28
20/10/2023 Fri	0.83	13.3	0.7	9.2	9.9	2.4	9.3	16	33
21/10/2023 Sat	0.87	13.3	0.7	9.2	9.9	2.4	8.4	24	46
22/10/2023 Sun	0.53	14.2	0.7	9.2	9.9	2.4	7.7	23	43
23/10/2023 Mon	0.42	15.7	0.7	9.2	9.9	2.4	6.2	14	28
24/10/2023 Tue	0.57	16.3	0.7	9.2	9.9	2.4	9.4	18	38
25/10/2023 Wed	0.48	13.4	0.7	9.2	9.9	2.4	7.9	14	31
26/10/2023 Thu	0.47	14.8	0.7	9.2	9.9	2.4	7.4	14	30
27/10/2023 Fri	0.51	18.7	0.7	9.2	9.9	2.4	7.9	23	45
28/10/2023 Sat	0.63	17.8	0.7	9.2	9.9	2.4	8.0	28	52
29/10/2023 Sun	0.50	16.0	0.7	9.2	9.9	2.4	6.9	26	46
30/10/2023 Mon	0.49	13.6	0.7	9.2	9.9	2.4	7.7	8	25
31/10/2023 Tue	0.67	15.6	0.7	9.2	9.9	2.4	5.4	13	35
<b>Average</b>	<b>0.51</b>	<b>15.1</b>	<b>0.7</b>	<b>9.2</b>	<b>9.9</b>	<b>2.4</b>	<b>8.1</b>	<b>11</b>	<b>27</b>
<b>Minimum</b>	<b>0.29</b>	<b>10.7</b>	<b>0.7</b>	<b>9.2</b>	<b>9.9</b>	<b>2.4</b>	<b>5.4</b>	<b>0</b>	<b>8</b>
<b>Maximum</b>	<b>0.87</b>	<b>21.2</b>	<b>0.7</b>	<b>9.2</b>	<b>9.9</b>	<b>2.4</b>	<b>10.5</b>	<b>28</b>	<b>52</b>
<b>Capture</b>	<b>97.4</b>	<b>97.4</b>	<b>97.4</b>	<b>97.4</b>	<b>97.4</b>	<b>97.4</b>	<b>97.4</b>	<b>97.3</b>	<b>97.3</b>



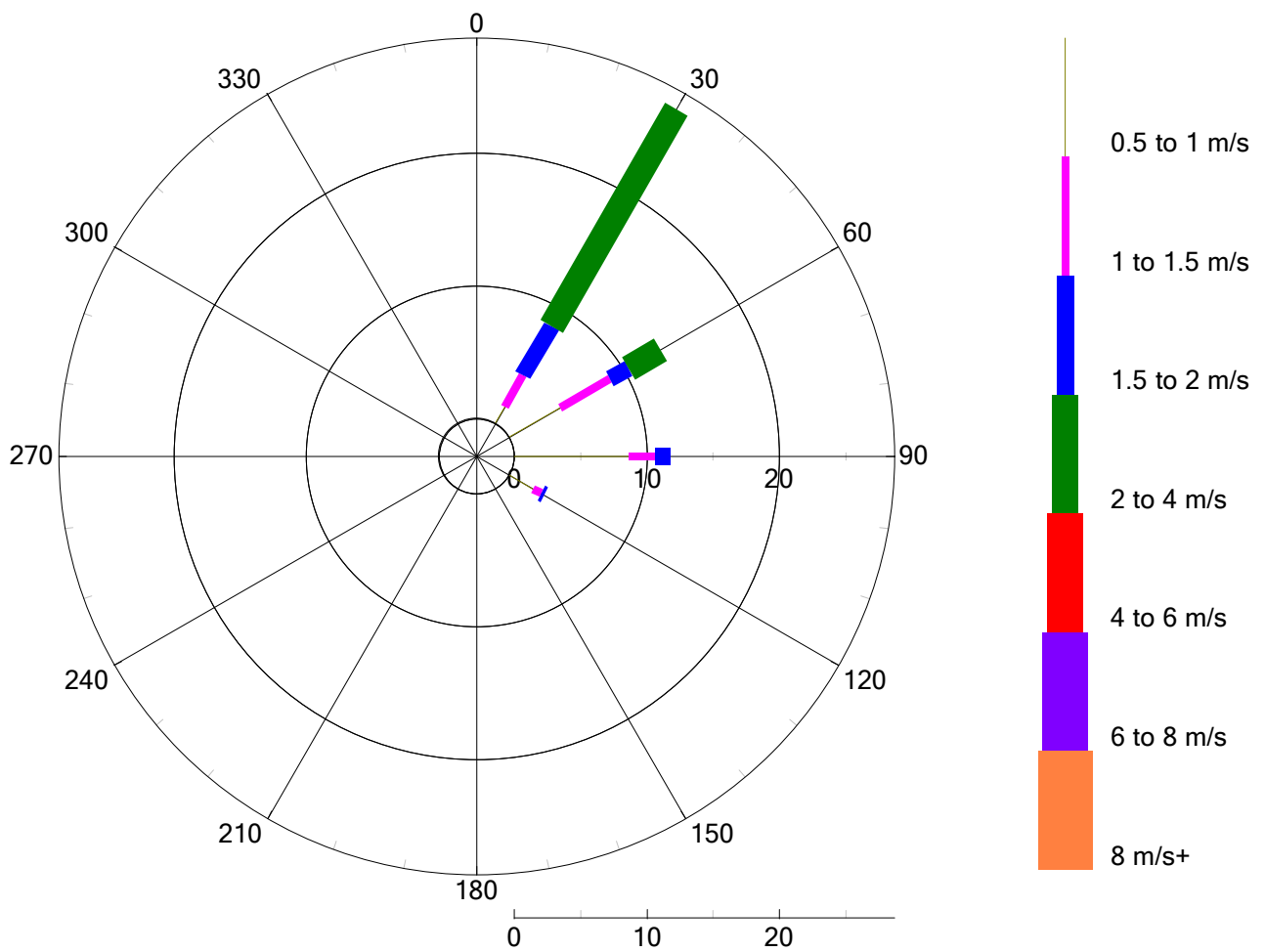


# Kerala State Pollution Control Board

Continuous Ambient Air Quality Monitoring Station, Trivandrum

Wind Rose

October 2023



44.7% calm  
97.0% valid data present



# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Monthly Report on Criteria Pollutants

November 2023

Date/Day	CO (mg/m <sup>3</sup> )	Ozone (µg/m <sup>3</sup> )	NO (µg/m <sup>3</sup> )	NO <sub>2</sub> (µg/m <sup>3</sup> )	NOX (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> )
01/11/2023 Wed	0.79	23.3	0.7	9.2	9.9	2.4	8.0	24	47
02/11/2023 Thu	0.82	15.5	0.7	9.2	9.9	2.4	7.7	13	28
03/11/2023 Fri	0.55	12.6	0.7	9.2	9.9	2.4	8.3	11	27
04/11/2023 Sat	0.52	11.5	0.7	9.2	9.9	2.4	9.2	6	18
05/11/2023 Sun	0.40	12.3	0.7	9.2	9.9	2.4	8.1	6	16
06/11/2023 Mon	0.67	11.9	0.7	9.2	9.9	2.4	9.5	7	19
07/11/2023 Tue	0.58	15.7	1.6	9.2	10.8	4.0	10.3	8	22
08/11/2023 Wed	0.59	18.2	3.8	9.3	13.1	7.2	10.0	14	30
09/11/2023 Thu	0.83	12.6	6.5	9.0	15.6	14.8	7.8	10	22
10/11/2023 Fri	0.84	13.7	6.1	8.7	14.8	14.2	8.1	8	19
11/11/2023 Sat	0.54	12.8	5.9	8.8	14.7	13.8	9.3	50	74
12/11/2023 Sun	0.66	17.7	5.8	9.0	14.8	13.6	8.2	115	151
13/11/2023 Mon	1.10	29.0	5.8	10.1	15.9	11.0	7.5	70	106
14/11/2023 Tue	0.72	19.0	5.7	11.7	17.5	8.9	9.8	35	57
15/11/2023 Wed	1.04	15.4	5.8	11.5	17.4	8.9	8.3	32	59
16/11/2023 Thu	0.84	17.6	5.9	11.5	17.4	8.9	6.9	24	45
17/11/2023 Fri	0.67	21.6	5.9	11.6	17.5	8.9	8.3	24	43
18/11/2023 Sat	0.73	18.0	5.7	11.5	17.3	8.9	9.9	22	42
19/11/2023 Sun	0.63	15.6	5.7	11.6	17.3	8.9	8.0	17	36
20/11/2023 Mon	0.66	14.4	5.8	11.5	17.3	8.9	9.6	16	39
21/11/2023 Tue	0.50	13.5	5.8	11.7	17.4	8.9	7.9	15	36
22/11/2023 Wed	0.60	15.9	5.7	11.5	17.2	9.0	10.0	10	26
23/11/2023 Thu	0.54	12.8	5.8	11.5	17.3	8.9	7.2	7	16
24/11/2023 Fri	0.58	14.7	5.7	11.8	17.5	8.8	6.7	16	36
25/11/2023 Sat	1.02	14.8	5.8	11.7	17.5	8.9	7.7	15	37
26/11/2023 Sun	0.53	14.0	5.8	11.6	17.4	8.9	7.8	17	36
27/11/2023 Mon	1.02	12.7	5.8	11.7	17.5	8.9	8.6	14	34
28/11/2023 Tue	0.94	13.2	5.9	11.6	17.5	8.8	8.8	18	45
29/11/2023 Wed	0.91	14.0	5.9	11.6	17.5	8.9	9.6	20	48
30/11/2023 Thu	0.82	14.3	5.7	11.6	17.3	8.9	7.8	20	44
<b>Average</b>	<b>0.72</b>	<b>15.6</b>	<b>4.6</b>	<b>10.5</b>	<b>15.2</b>	<b>8.1</b>	<b>8.5</b>	<b>22</b>	<b>42</b>
<b>Minimum</b>	0.40	11.5	0.7	8.7	9.9	2.4	6.7	6	16
<b>Maximum</b>	1.10	29.0	6.5	11.8	17.5	14.8	10.3	115	151
<b>Capture</b>	97.8	100.0	99.9	99.9	99.9	99.9	100.0	100.0	100.0





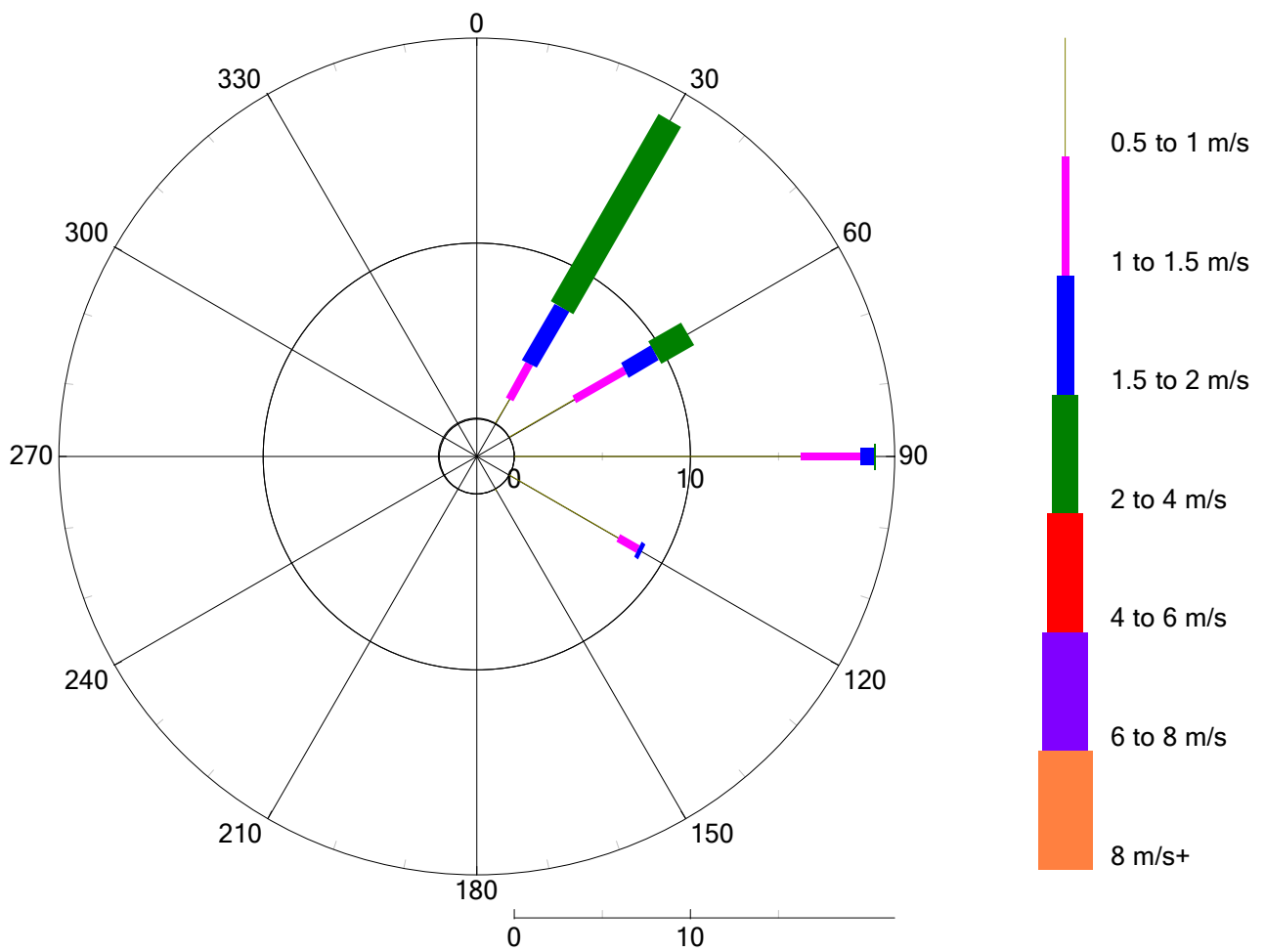


# Kerala State Pollution Control Board

Continuous Ambient Air Quality Monitoring Station, Trivandrum

Wind Rose

November 2023



39.0% calm  
97.2% valid data present



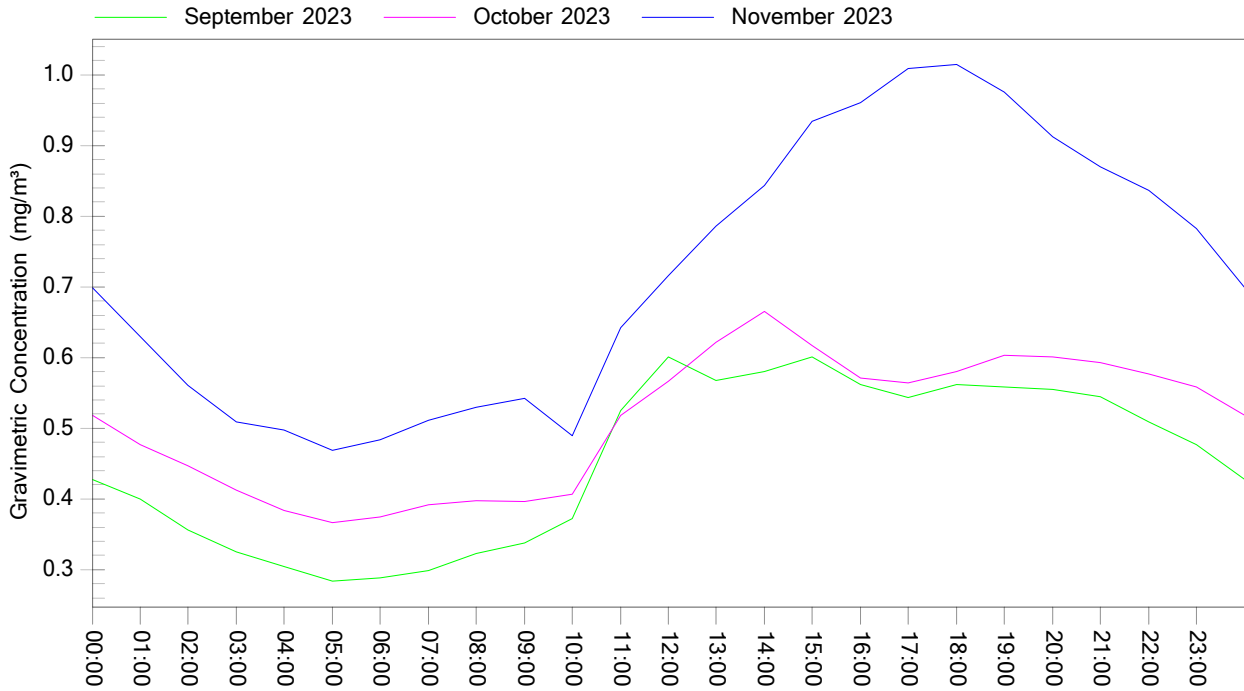
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaps for CO

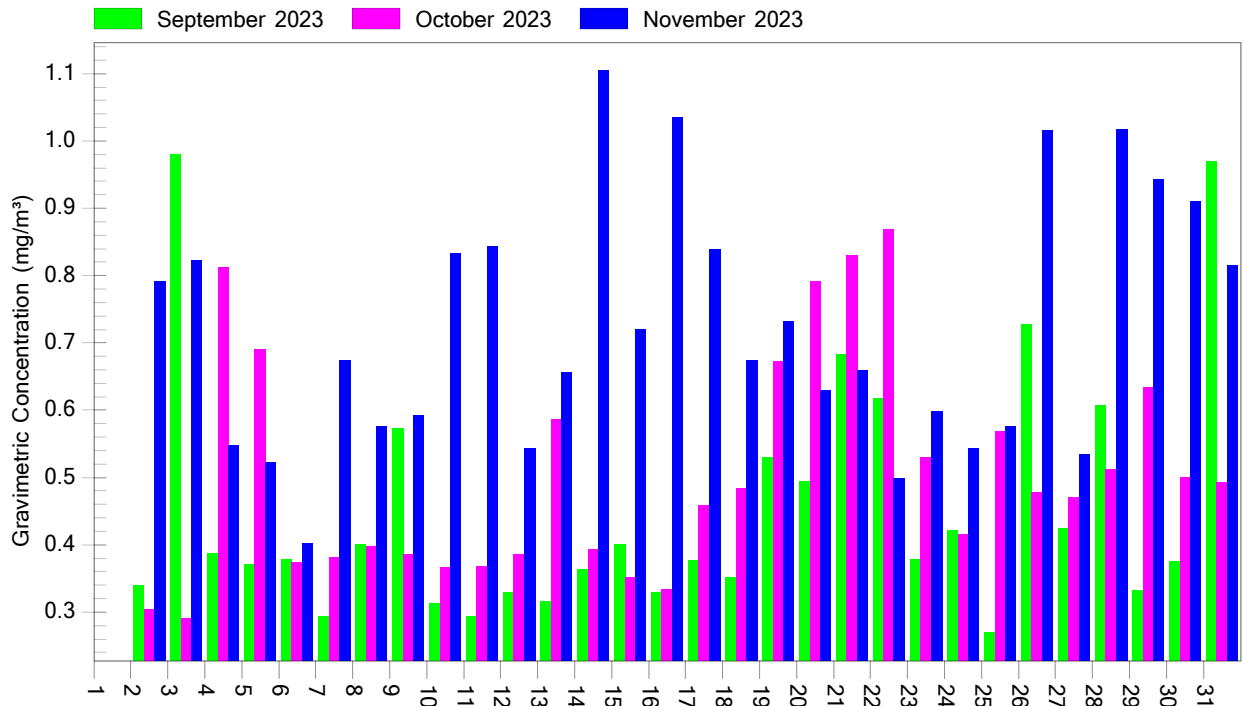
### CO(mg/m<sup>3</sup>) Line Graph

9/1/2023 to 11/30/2023



### CO(mg/m<sup>3</sup>) Bar Graph

9/1/2023 to 11/30/2023





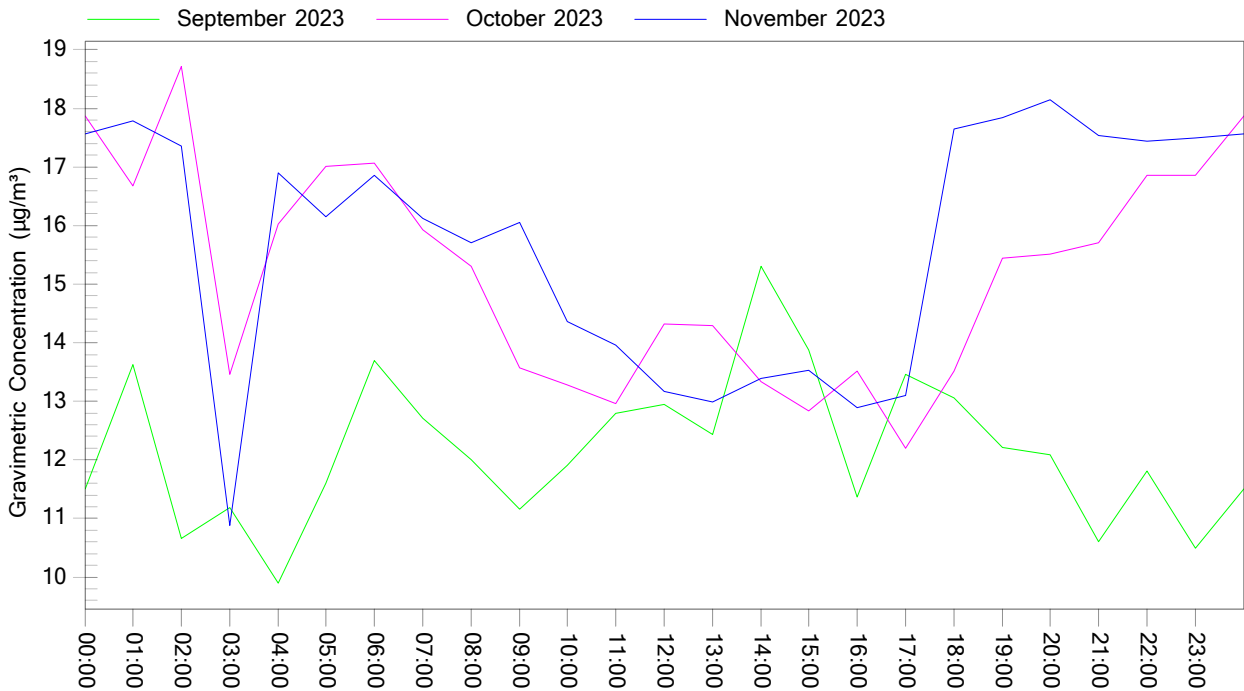
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaphs for Ozone

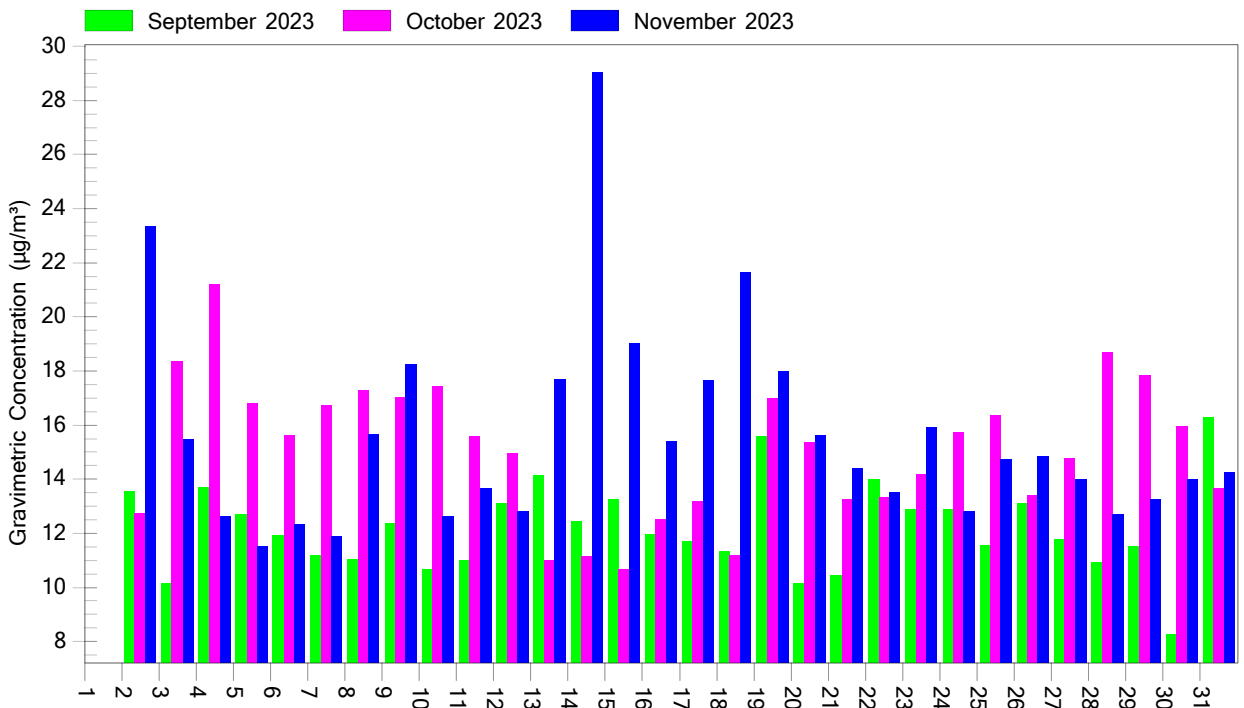
#### O<sub>3</sub>( $\mu\text{g}/\text{m}^3$ ) Line Graph

9/1/2023 to 11/30/2023



#### O<sub>3</sub>( $\mu\text{g}/\text{m}^3$ ) Bar Graph

9/1/2023 to 11/30/2023





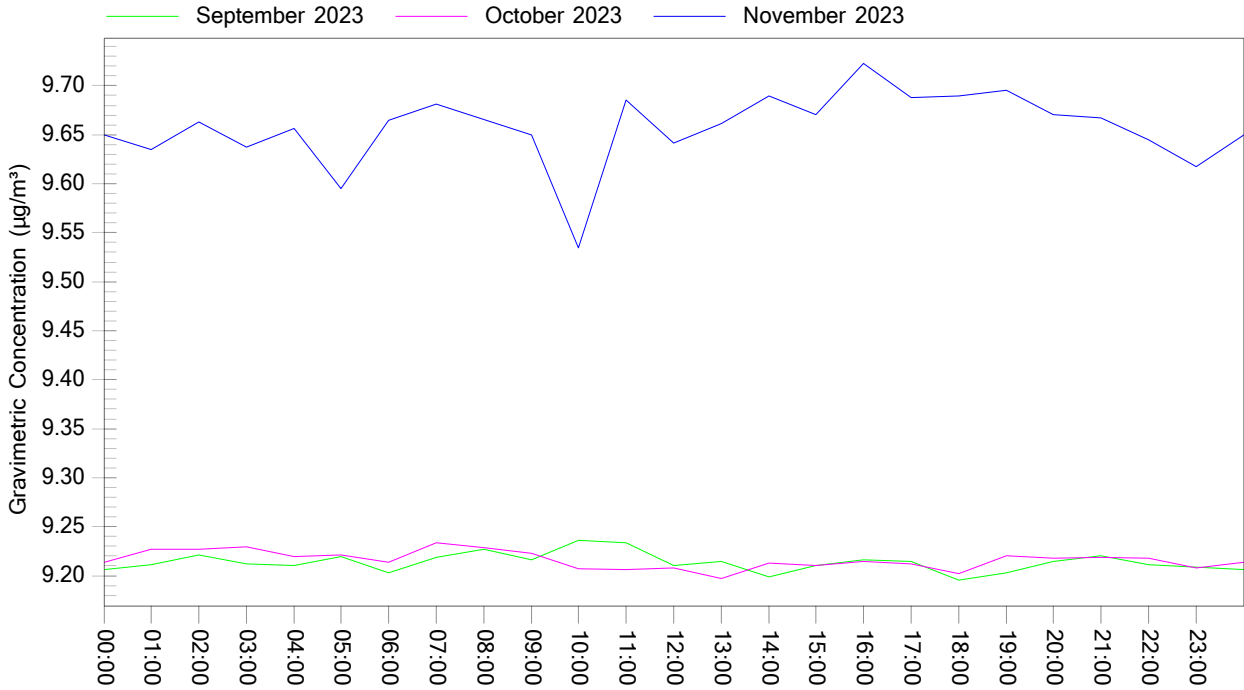
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaphs for NO2

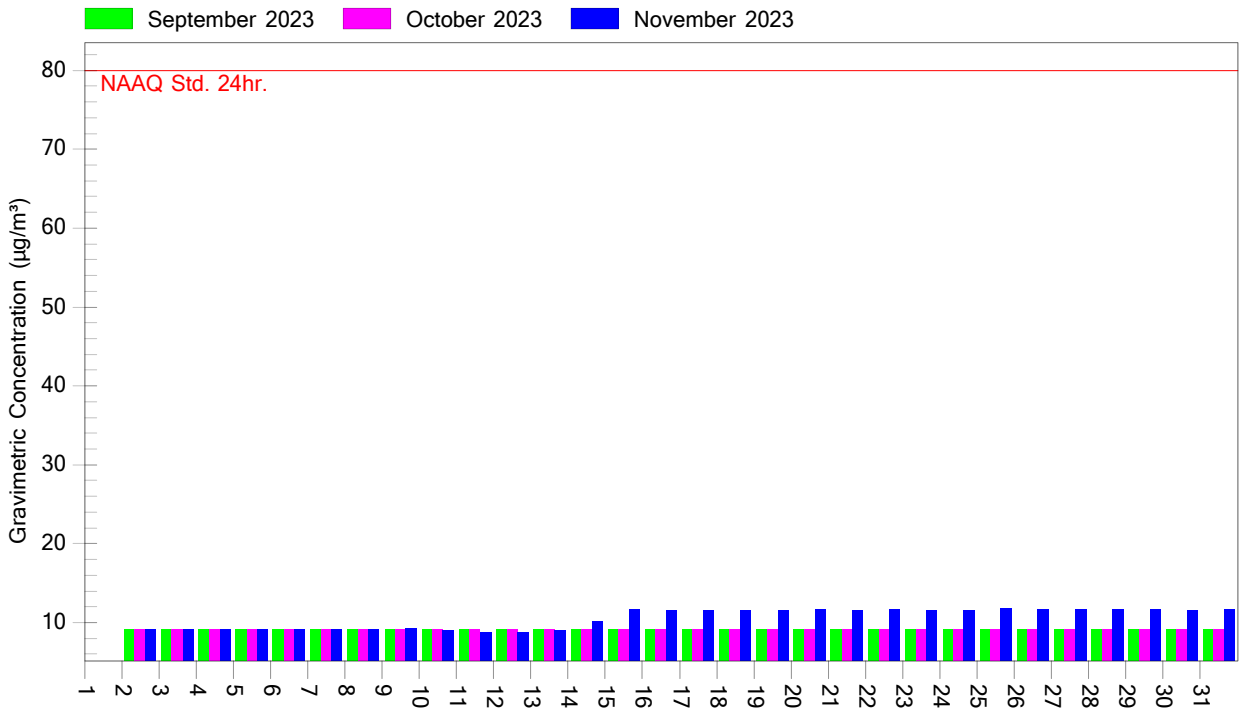
#### NO<sub>2</sub>( $\mu\text{g}/\text{m}^3$ ) Line Graph

9/1/2023 to 11/30/2023



#### NO<sub>2</sub>( $\mu\text{g}/\text{m}^3$ ) Bar Graph

9/1/2023 to 11/30/2023





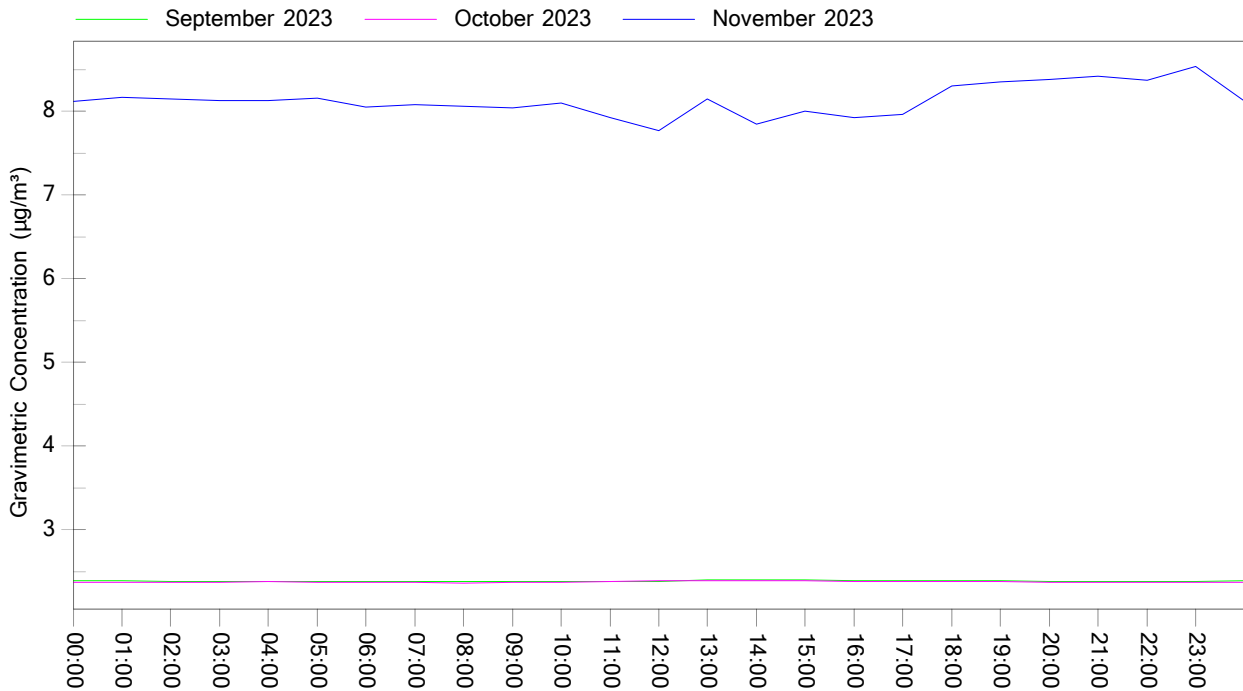
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaphs for NH3

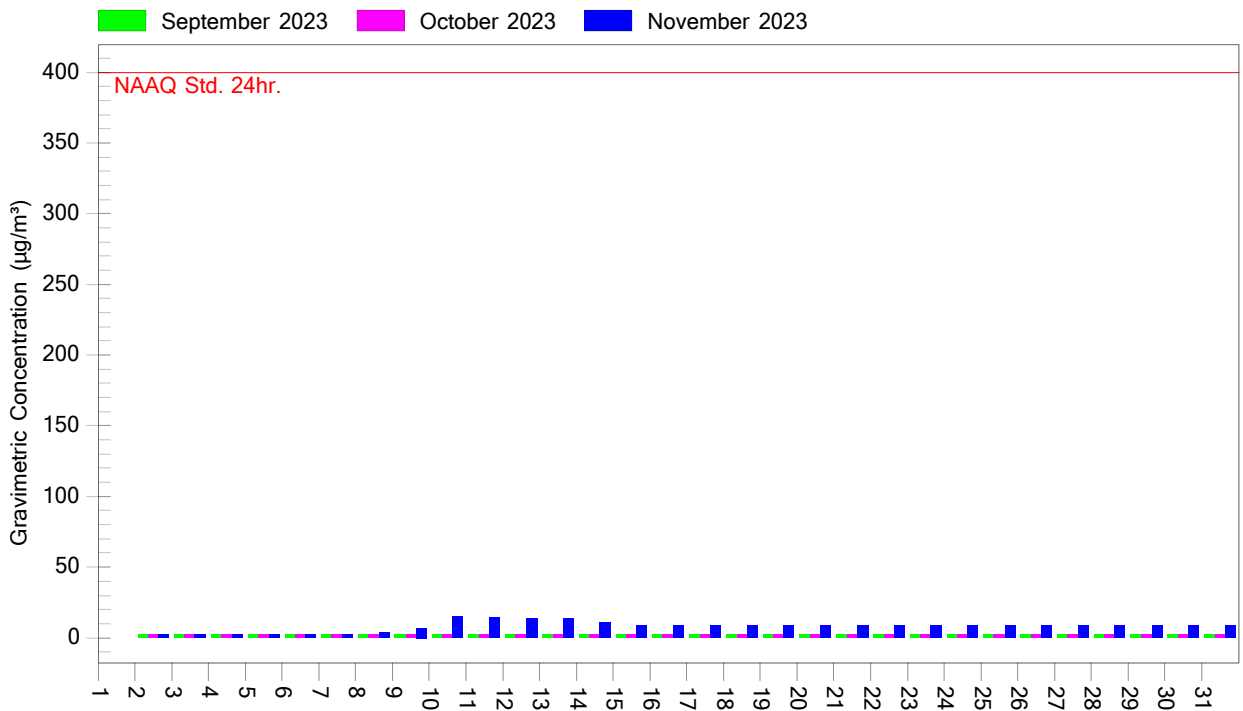
#### NH3( $\mu\text{g}/\text{m}^3$ ) Line Graph

9/1/2023 to 11/30/2023



#### NH3( $\mu\text{g}/\text{m}^3$ ) Bar Graph

9/1/2023 to 11/30/2023





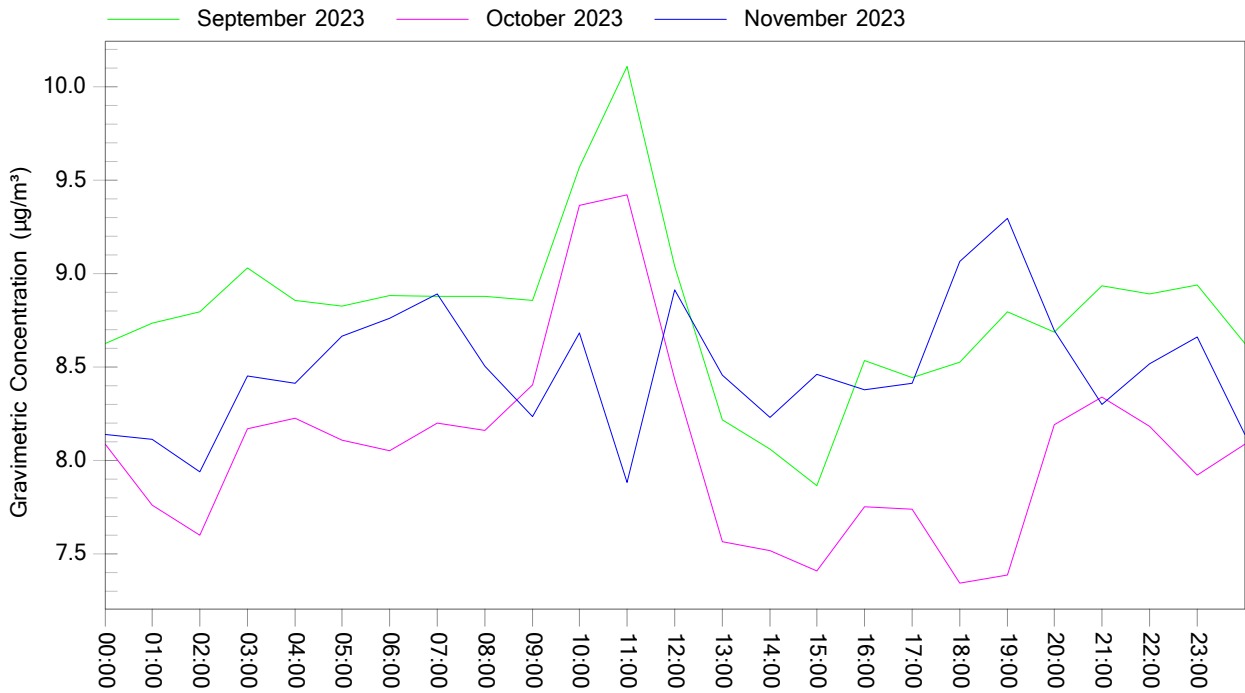
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaphs for SO2

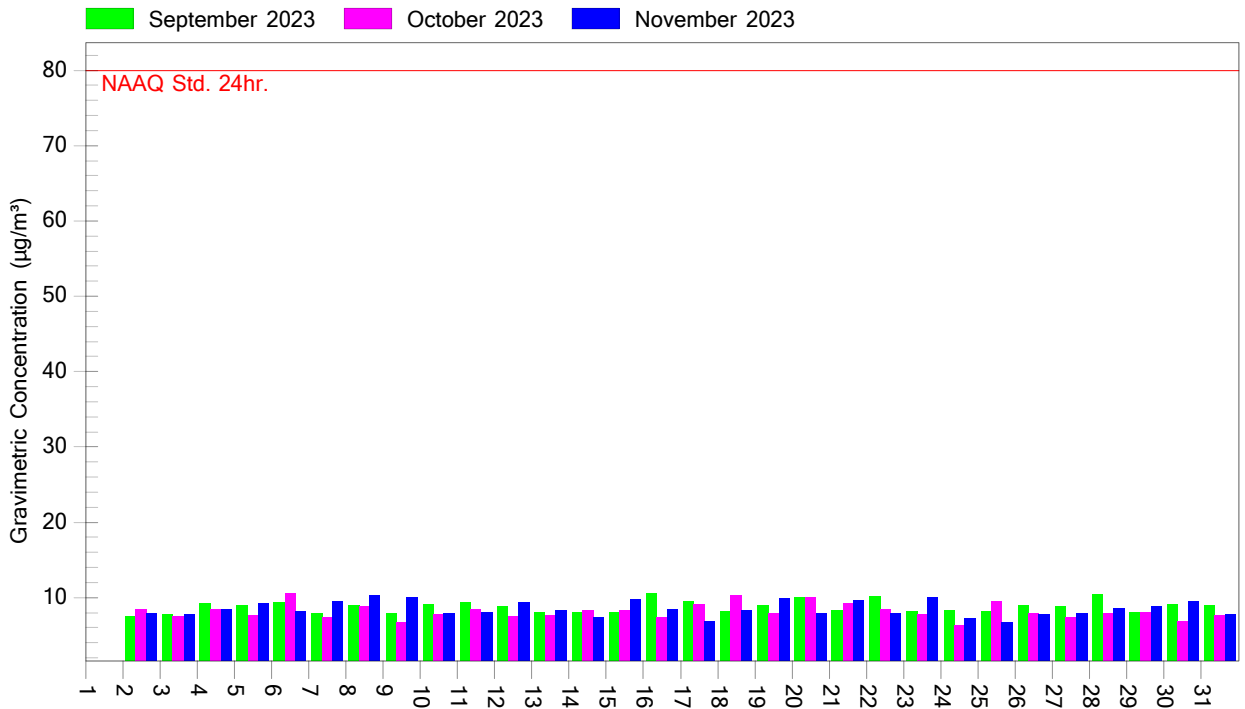
#### SO<sub>2</sub>( $\mu\text{g}/\text{m}^3$ ) Line Graph

9/1/2023 to 11/30/2023



#### SO<sub>2</sub>( $\mu\text{g}/\text{m}^3$ ) Bar Graph

9/1/2023 to 11/30/2023





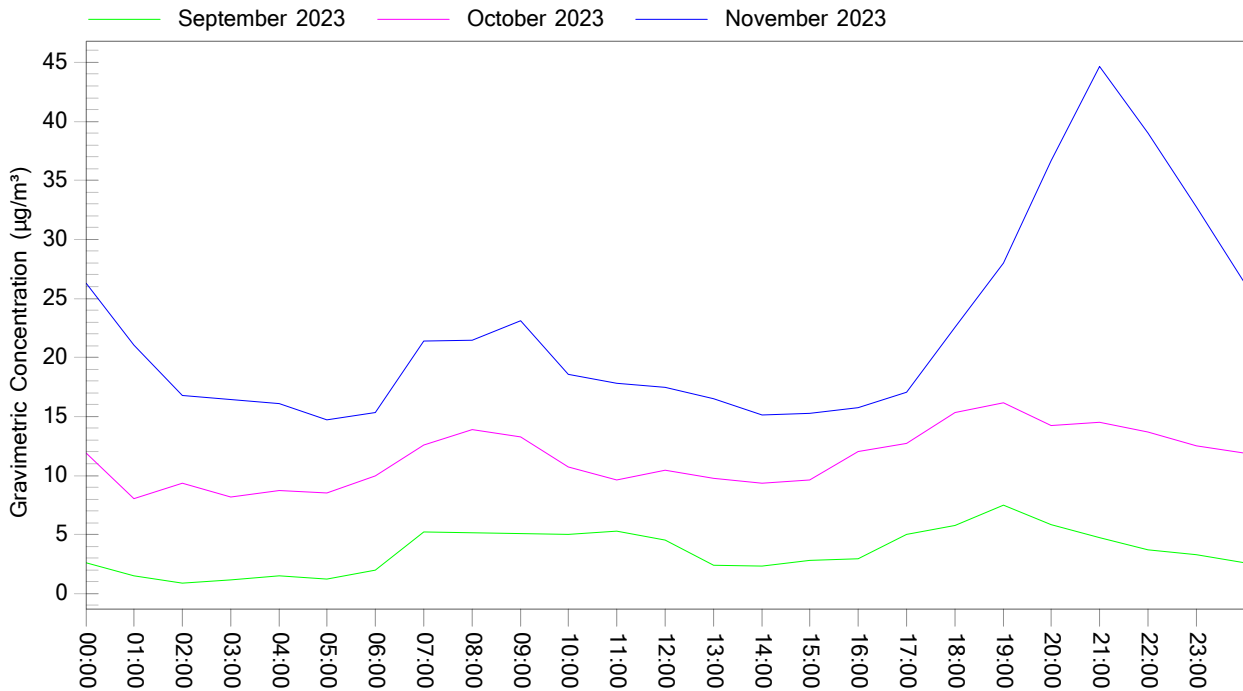
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaphs for PM2.5

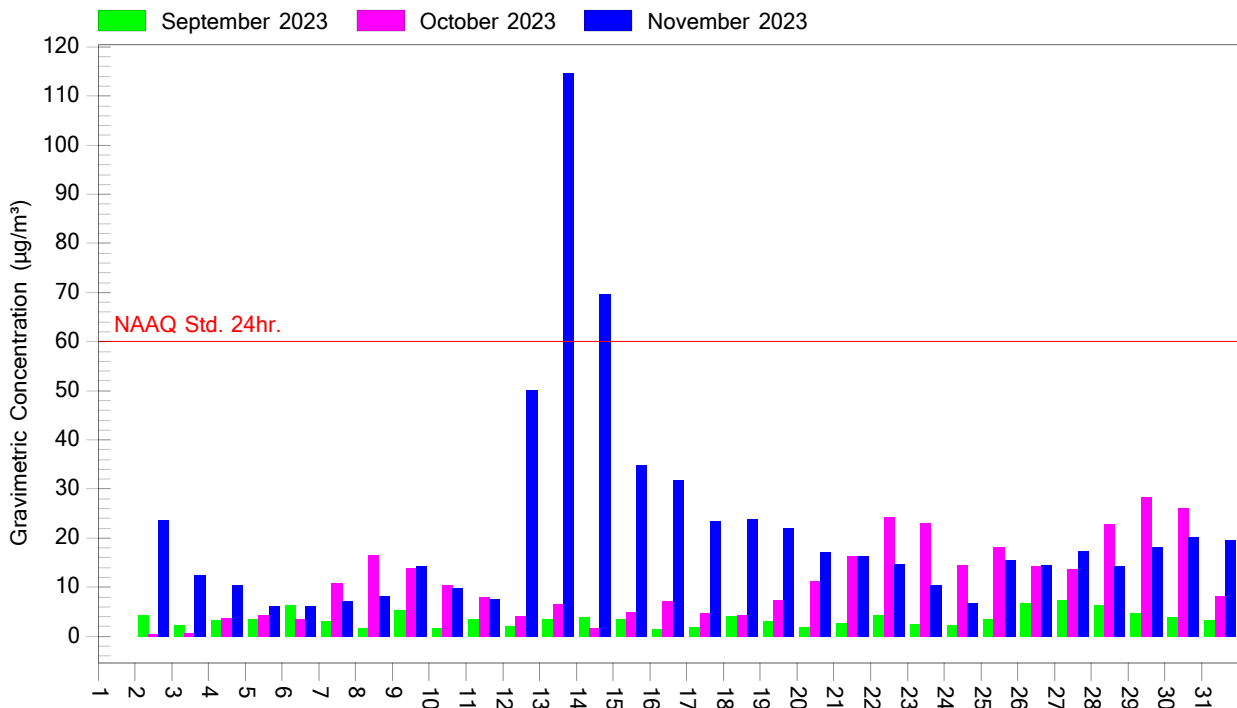
#### PM2.5( $\mu\text{g}/\text{m}^3$ ) Line Graph

9/1/2023 to 11/30/2023



#### PM2.5( $\mu\text{g}/\text{m}^3$ ) Bar Graph

9/1/2023 to 11/30/2023







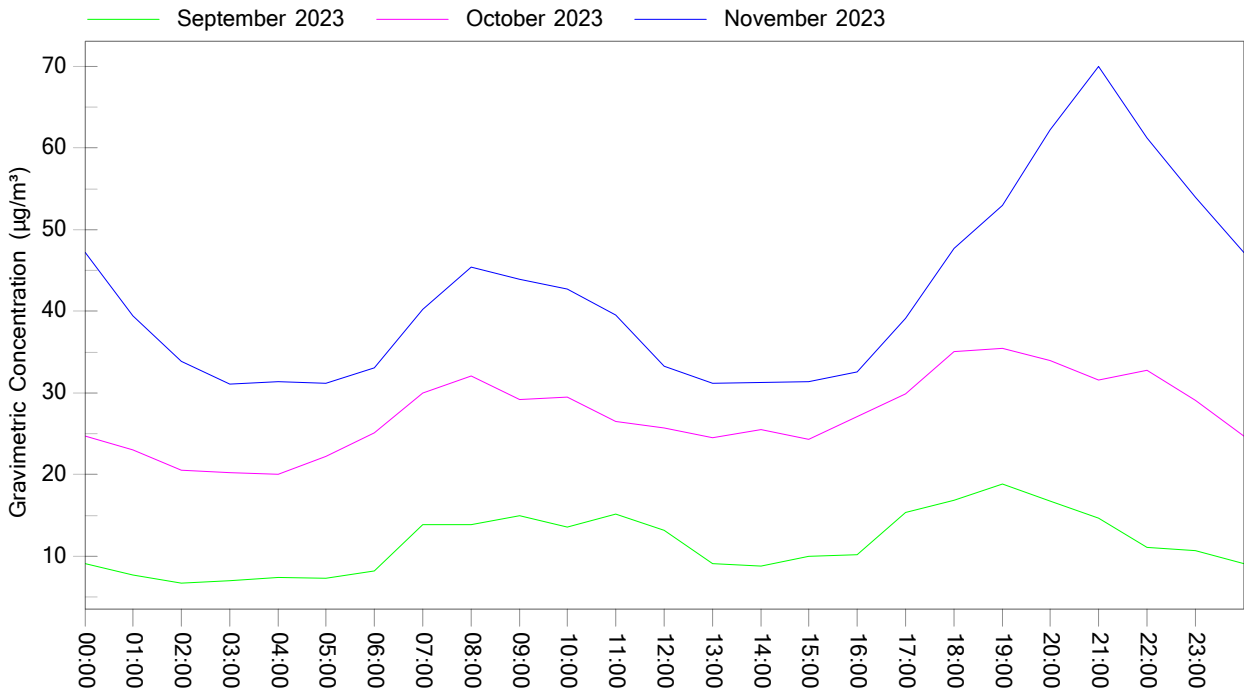
# Kerala State Pollution Control Board

## Continuous Ambient Air Quality Monitoring Station, Trivandrum

### Trend Gaphs for PM10

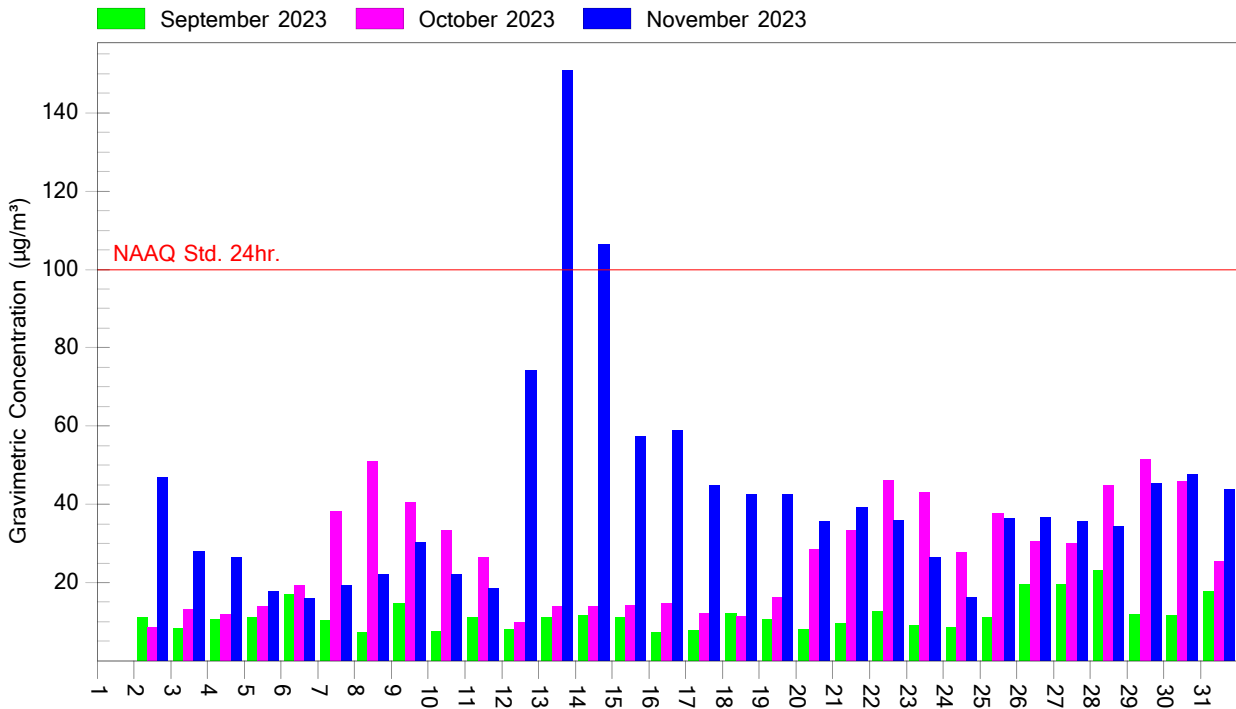
#### PM10( $\mu\text{g}/\text{m}^3$ ) Line Graph

9/1/2023 to 11/30/2023



#### PM10( $\mu\text{g}/\text{m}^3$ ) Bar Graph

9/1/2023 to 11/30/2023



**Prepared by: -**  
**Ecotech Monitoring Solutions P Ltd**

**ECOTECH Monitoring Solutions Pvt. Ltd.**

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