



**POLLUTION CONTROL BOARD, ASSAM  
BAMUNIMAIDAM, GUWAHATI-21**

No: WB/LAB-269/15-16/334  
1668

Dated Guwahati the 28<sup>th</sup> January, 2022

To,

The Member Secretary  
Pollution Control Board, Assam  
Bamunimaidam, Guwahati-21

**Sub: Submission of weekly Avg. value and Air Quality Index (AQI) of Guwahati City and Head Office, Bamunimaidam for the month of November and December 2021.**

Sir,

I have the honour to submit herewith the report of weekly Avg. value and Air Quality Index (AQI) of Guwahati city considering 6(six) different NAMP stations along with AQI of Head Office NAMP station, Bamunimaidam for the month of November and December 2021.

**Enclosed As stated**

Yours faithfully,

*[Handwritten signature]*  
01.02.22

**In-Charge  
Central Laboratory**

Memo No: WB/LAB-269/15-16/334-A

Dated Guwahati the 28<sup>th</sup> January, 2022

Copy to:

1. The Surajit Baruah, Asst Programmer, PCBA for information & necessary action, upload in the Board's Website.

*o/c*

*[Handwritten signature]*  
01.02.22

**In-Charge  
Central Laboratory**



PCB<sub>Assam</sub>

**Pollution Control Board, Assam**  
**Bamunimaidam, Guwahati-21**

**Weekly Average Ambient Air Quality data of Guwahati city for the month of November, 2021**

Report No: AAW- 78 /22

Date:

NAMP Station	First week (01.11.21 to 07.11.21)			Second week (08.11.21 to 13.11.21)			Third week (15.11.21 to 21.11.21)			Fourth week (22.11.21 to 26.11.21)			Fifth week (29.11.21 to 30.11.21)		
	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )
Head Office, Bamunimaidam, Guwahati-21	179.5	6.78	19.47	144.91	6.54	16.49	155.83	6.41	17.66	132.5	6.41	16.75	156.00	6.5	17.83
Khanapara Guwahati-22	68.11	6.71	17.02	89.91	7.12	18.04	154.00	7.17	16.5	147.33	7.50	18.08	145.33	7.33	17.83
Boragaon Guwahati-34	58.55	7.16	16.49	64.83	7.58	17.42	83.50	7.75	17.25	94.83	7.42	17.0	93.33	7.17	15.83
ITI, Gopinathnagar Guwahati-16	133.97	6.90	21.45	119.16	7.20	22.41	202.33	7.50	24.25	180.5	7.25	24.17	211.00	7.0	25.5
Pragyoitish College, Santipur Guwahati-9	109.11	7.61	21.0	91.50	7.08	19.75	112.66	6.91	17.92	98.50	7.0	19.08	119.00	6.83	19.33
Guwahati University Guwahati-14	75.0	7.05	16.72	74.0	6.83	15.75	89.50	7.42	16.17	85.0	7.33	16.50	94.0	7.33	15.0
Average value for Guwahati City	<b>104.04</b>	<b>7.03</b>	<b>18.69</b>	<b>97.38</b>	<b>7.05</b>	<b>18.31</b>	<b>132.97</b>	<b>7.19</b>	<b>18.29</b>	<b>123.11</b>	<b>7.15</b>	<b>18.59</b>	<b>136.44</b>	<b>7.02</b>	<b>18.55</b>

333

In-Charge

Central-Laboratory

*(Signature)*  
01.11.21



PCBBA

**Pollution Control Board, Assam**  
**Bamunimaidam, Guwahati-21**

**Weekly Average Ambient Air Quality data of Guwahati city for the month of December, 2021**

Report No: AAW- 79 /22

Date:

NAMP Station	First week (01.12.21 to 05.12.21)			Second week (06.12.21 to 11.12.21)			Third week (13.12.21 to 18.12.21)			Fourth week (20.12.21 to 24.12.21)			Fifth week (27.12.21 to 31.12.21)		
	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )	PM <sub>10</sub> (µg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m <sup>3</sup> )	NO <sub>x</sub> (µg/m <sup>3</sup> )
Head Office, Bamunimaidam, Guwahati-21	138.33	6.5	15.33	162.00	6.41	17.25	174.66	6.16	13.91	192	6.83	14.42	181.5	7.66	15.50
Khanapara Guwahati-22	166.33	7.5	18.33	126.00	7.25	16.50	160.41	7.25	16.58	145	7.0	15.91	172.33	6.83	16.33
Boragaon Guwahati-34	108.67	6.83	15.33	102.83	6.83	15.83	110.00	7.00	16.08	160.66	6.83	16.16	134.67	6.67	14.83
ITI, Gopinathnagar Guwahati-16	234.67	7.0	31.17	200.66	7.0	16.42	204.50	6.41	15.58	206.33	6.33	15.58	286.5	6.41	15.75
Pragiyotish College, Santipur Guwahati-9	130.33	6.67	18.67	130.16	6.67	18.33	132.00	6.58	18.25	132.66	7.50	19.19	159.33	6.75	16.41
Guwahati University Guwahati-14	90.33	7.17	15	64.50	7.33	15.08	112.5	7.41	15.16	119.33	6.41	14.83	134.16	6.67	14.75
Average value for Guwahati City	143.77	6.94	18.97	131.02	6.91	16.56	149.01	6.80	15.92	159.33	6.81	16.01	178.08	6.83	15.59

332

In-Charge  
Central-Laboratory

01.07.21

## Pollution Control Board, Assam

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

Average AQI value of **Guwahati City** for the month **November, 2021** considering six different stations.

### Air Quality Index

Station **Guwahati City**  
City **Guwahati**  
State **Assam**

Pollutants	Concentration in $\mu\text{g}/\text{m}^3$	Sub-Index				Air Quality Index
<b>PM10</b>	<b>24 hrs Avg</b>	<b>111</b>	<b>108</b>	<b>1</b>		<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI=</div> <div style="font-size: 48px; font-weight: bold; color: black;">108</div> </div>
<b>SO2</b>	<b>24 hrs Avg</b>	<b>7</b>	<b>10</b>	<b>1</b>		
<b>NOX</b>	<b>24 hrs Avg</b>	<b>19</b>	<b>23</b>	<b>1</b>		

\* Concentrations of minimum three pollutants are required, one of them should be PM10 or PM2.5

\*The check displays "1" when a non-zero value is entered

<b>Good</b> (0-50)	Minimal Impact	<b>Poor</b> (201-300)	Breathing discomfort
<b>Satisfactory</b> (51-100)	Minor breathing discomfort to sensitive people	<b>Very Poor</b> (301-400)	Respiratory illness to the people on prolonged exposure
<b>Moderate</b> (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	<b>Severe</b> (>401)	Respiratory effects even on healthy people



## Pollution Control Board, Assam

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

Average AQI value of **Guwahati City** for the month **December, 2021** considering six different stations.

### Air Quality Index

Station Guwahati City  
 City Guwahati  
 State Assam

Pollutants	Concentration in $\mu\text{g}/\text{m}^3$	Sub-Index			Air Quality Index
				check	
<b>PM10</b>	<b>24 hrs Avg</b>	<b>153</b>	<b>136</b>	<b>1</b>	<b>AQI=</b>  <b>136</b>
<b>SO2</b>	<b>24 hrs Avg</b>	<b>7</b>	<b>10</b>	<b>1</b>	
<b>NOX</b>	<b>24 hrs Avg</b>	<b>17</b>	<b>21</b>	<b>1</b>	

\* Concentrations of minimum three pollutants are required, one of them should be PM10 or PM2.5

\*The check displays "1" when a non-zero value is entered

<b>Good</b> (0-50)	<b>Minimal Impact</b>	<b>Poor</b> (201-300)	<b>Breathing discomfort</b>
<b>Satisfactory</b> (51-100)	<b>Minor breathing discomfort to sensitive people</b>	<b>Very Poor</b> (301-400)	<b>Respiratory illness to the people on prolonged exposure</b>
<b>Moderate</b> (101-200)	<b>Breathing discomfort to the people with lung, heart disease, children and older adults</b>	<b>Severe</b> (>401)	<b>Respiratory effects even on healthy people</b>

**Pollution Control Board, Assam**

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

**Average AQI value of Head Office, Bamunimaidam for the month December, 2021.**

**Air Quality Index**

**City Guwahati  
State Assam**

Pollutants	Concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	Check	Air Quality Index
PM10	24 hrs Avg 173	149	1	<b>199</b>
PM2.5	24 hrs Avg 90	199	1	
SO2	24 hrs Avg 7	9	1	
NOX	24 hrs Avg 15	19	1	
CO	Max 8-hr 1	55	1	
O3	Max 8-hr 20	20	1	
NH3	24 hrs Avg 6	1	1	

\* Concentrations of minimum three pollutants are required, one of them should be PM10 or PM2.5

\*The check displays "1" when a non-zero value is entered

Good (0-50)	Minimal Impact	Poor (201-300)	Breathing discomfort
Satisfactory (51-100)	Minor breathing discomfort to sensitive people	Very Poor (301-400)	Respiratory illness to the people on prolonged exposure
Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults	Severe (>401)	Respiratory effects even on healthy people