

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

**Weekly Average Ambient Air Quality data of Guwahati city for the month of December/2015**

Report no: AAW-07/15

Date:18.01.2016

NAMP Station	First week 01.12.15-05.12.15			Second week 07.12.15-11.12.15			Third week 14.12.15-19.12.15			Fourth week 21.12.15-24.12.15			Fifth week 28.12.2015-31.12.2015		
	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	80.12	7.63	15.81	93.9	7.7	22.85	91.58	7.75	23.25	109.25	8.87	21.31	123.38	9.06	21.00
Khanapara Guwahati-22	76.50	7.75	14.18	90.50	7.55	22.75	81.75	8.96	23.38	97.00	9.94	25.81	108.87	9.06	23.87
Boragaon Guwahati-34	78.00	7.08	13.75	81.00	7.55	21.40	101.6	9.75	19.75	131.00	11.13	18.63	136.37	10.87	20.19
ITI, Gopinathnagar Guwahati-16	78.62	5.94	14.44	85.70	6.90	24.25	84.83	8.20	20.46	103.13	9.75	22.19	104.00	10.25	21.81
Pragjyotish College, Santipur Guwahati-9	72.37	6.63	14.31	75.1	7.20	20.95	87.00	7.50	22.42	120.50	8.56	22.94	127.00	8.69	22.88
Guwahati University Guwahati-14	72.50	6.66	16.08	76.90	7.35	25.00	86.10	7.45	23.10	100.25	7.81	23.25	101.63	8.38	23.81
Average value for Guwahati City	76.35	6.95	14.76	83.85	7.38	23.03	88.81	8.27	22.06	110.18	9.34	22.36	116.88	9.39	22.26

  
**Chief Env. Scientist**

## 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 2015** considering six different stations.

### Air Quality Index

Date 01-12-2015 to 31-12-2015	Station Guwahati City City Guwahati State Assam
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Pollutants		Concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
				check		
PM10	24 hrs Avg	92.41	92	1	<b>AQI=</b>	<b>92</b>
SO2	24 hrs Avg	8.03	10	1		
NOX	24 hrs Avg	21.15	26	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