



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

**Weekly Average Ambient Air Quality data of Guwahati city for the month of December'2016**

Report no: AAW-19/16

Date: 06.01.2017

NAMP Station	First week (01.12.2016 to 03.12.2016)			Second week (05.12.2016 to 09.12.2016)			Third week (12.12.2016 to 17.12.2016)			Fourth week (19.12.2016 to 23.12.2016)			Fifth week (26.12.2016 to 31.12.2016)		
	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				105.66	10.38	19.11	107.11	11.27	17.77	130.88	7.89	22.50	130.50	7.91	19.58
Khanapara Guwahati-22				131.67	17.33	23.78	147.00	15.22	22.16	166.78	14.00	26.55	120.66	9.28	17.55
Boragaon Guwahati-34				89.83	15.11	20.89	104.55	13.05	19.89	124.55	9.38	17.16	97.50	7.17	15.83
ITI, Gopinathnagar Guwahati-16	150.00	11.17	17.50	151.66	10.05	19.11	132.55	10.66	18.89	130.11	10.27	19.88	113.77	11.16	21.00
Guwahati University Guwahati-14				68.55	11.61	19.78	87.11	12.39	19.33	99.44	8.22	17.39	97.11	8.66	17.33
Pragjyotish College, Santipur Guwahati-9				115.00	12.39	20.61	125.32	11.27	18.33	158.89	13.05	19.89	124.66	10.00	18.72
Average value for Guwahati City	150.00	11.17	17.50	110.40	12.81	20.55	117.27	12.31	19.40	135.11	10.47	20.56	114.03	9.03	18.34

**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**

Monthly Average AQI value of Guwahati City for the month **December** 2016 considering six different stations  
complex air quality data of various pollutants into a single number (index value), nomenclature and colour

**Air Quality Index**

Date	Station	Guwahati City	
06-01-2017	City	Guwahati	
	State	Assam	

Pollutants		Concentration in µg/m <sup>3</sup> (except for CO)	Sub-Index			Air Quality Index		
				check				
PM10	24 hrs Avg	119.6	113	1	<b>AQI=</b>	<b>113</b>		
SO <sub>2</sub>	24 hrs Avg	11.41	14	1				
NO <sub>X</sub>	24 hrs Avg	19.83	25	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