

### 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 September 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 06-09-2016	Station Guwahati City City Guwahati State Assam
--------------------	---

Pollutants		Concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
				check		
PM10	24 hrs Avg	67.85	68	1	<b>AQI=</b>	<b>68</b>
SO2	24 hrs Avg	6.66	8	1		
NOX	24 hrs Avg	15.33	19	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

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

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

Report no: AAW-16/16

Date: 06.10.2016

NAMP Station	First week			Second week			Third week			Fourth week			Fifth week		
	01.09.2016 to 02.09.2016			05.09.2016 to 09.09.2016			12.09.2016 to 17.09.2016			19.09.2016 to 23.09.2016			26.09.2016 to 29.09.2016		
	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	59.56	6.08	14.58	61.33	5.63	13.68	62.78	5.56	13.62	63.19	5.15	14.05	69.45	6.75	14.94
Khanapara Guwahati-22	75.63	7.25	16.37	73.31	6.90	16.30	70.38	7.01	15.66	79.14	6.95	17.70	67.98	7.21	18.56
Boragaon Guwahati-34	67.76	6.75	16.00	52.99	6.40	15.80	55.26	6.56	16.06	52.96	9.80	14.35	61.21	6.80	15.25
ITI, Gopinathnagar Guwahati-16	78.28	7.50	16.00	76.82	7.07	15.15	65.98	6.87	14.37	66.56	6.83	15.20	71.17	6.65	15.15
Guwahati University Guwahati-14	85.22	7.75	16.75	81.18	6.45	15.20	74.73	7.06	16.12	58.16	6.75	15.75	61.70	6.75	16.00
Pragjyotish College, Santipur Guwahati-9	64.28	7.75	17.25	66.34	7.10	15.60	71.50	7.94	15.06	77.55	6.60	14.10	82.64	6.06	13.12
Average value for Guwahati City	71.79	7.18	16.16	68.66	6.59	15.29	66.77	6.83	15.15	66.26	7.01	15.19	69.02	6.70	15.50



**Chief Env. Scientist**