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

### Weekly Average Ambient Air Quality data of Guwahati city for the month of January/2016

Report no:AAW-08/16

Date:15.02.2016

NAMP Station	First week 01.01.2016-02.01.2016			Second week 04.01.2016-08.01.2016			Third week 11.01.2016-14.01.2016			Fourth week 18.01.2016-22.01.2016			Fifth week 25.01.2016-30.01.2016		
	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	124.70	6.37	19.13	128.62	6.45	20.20	104.81	5.94	18.37	108.05	6.35	19.65	103.13	6.20	19.60
Khanapara Guwahati-22	119.21	8.12	21.00	134.23	7.85	21.50	123.61	8.06	23.18	119.10	8.45	22.95	118.20	8.20	22.10
Boragaon Guwahati-34	100.91	7.50	18.25	133.92	9.35	20.95	112.96	6.06	18.87	123.29	5.60	17.85	108.35	5.81	21.31
ITI, Gopinathnagar Guwahati-16	115.82	8.50	22.62	128.94	8.35	21.71	121.28	8.25	23.00	125.46	8.25	22.85	130.62	6.85	21.65
Pragjyotish College, Santipur Guwahati-9	100.64	7.75	20.00	121.19	8.50	20.30	107.19	6.25	18.62	108.99	6.45	18.30	111.26	6.60	18.95
Guwahati University Guwahati-14	105.23	9.50	24.25	116.39	8.95	24.15	113.52	9.31	24.88	114.65	8.15	24.50	116.98	8.18	24.13
Average value for Guwahati City	111.085	7.96	20.87	127.22	8.24	21.47	113.90	7.31	21.15	116.59	7.21	21.02	114.76	6.97	21.29

  
**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 **JANUARY 2016** considering six different stations.

### Air Quality Index

Date		Station	Guwahati City
01-01-2016 to 31-01-2016		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	117.66	118	1	<b>AQI=</b>	<b>118</b>	
SO2	24 hrs Avg	7.51	9	1			
NOX	24 hrs Avg	21.13	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