

Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

Weekly Average Ambient Air Quality data of Guwahati city for the month of January, 2017

Report No: AAW-20/17

Date: 20.02.2017

NAMP Station	First week (02.01.2017 to 07.01.2017)			Second week (09.01.2017 to 13.01.2017)			Third week (16.01.2017 to 21.01.2017)			Fourth week (24.01.2017 to 27.01.2017)			Fifth week (30.01.2017)		
	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)
Head Office, Bamunimaidam, Guwahati-21	100.44	10.33	17.13	142.83	11.50	18.58	137.22	11.05	18.22	166.50	6.41	16.16	180.67	6.83	16.33
Khanapara Guwahati-22	116.89	9.28	18.77	133.50	9.83	19.58	116.55	9.16	18.78	115.50	6.00	20.83	162.00	7.17	20.17
Boragaon Guwahati-34	120.67	7.50	16.17	107.66	10.00	22.58	135.17	9.67	21.17	147.33	10.66	21.66	149.00	8.67	22.67
ITI, Gopinathnagar Guwahati-16	135.33	10.89	19.50	117.83	7.83	15.25	120.00	6.72	16.72	126.33	6.16	18.50	135.33	6.67	17.33
Guwahati University Guwahati-14	99.33	8.83	19.33	116.65	9.91	20.08	119.55	6.05	18.11	139.83	6.08	16.66	128.67	7.17	16.83
Pragjyotish College, Santipur Guwahati-9	103.78	10.50	17.33	148.67	9.42	16.25	153.88	9.77	17.33	174.00	6.66	17.75	166.67	6.00	17.33
Average value for Guwahati City	112.74	9.55	18.03	127.85	9.74	18.72	130.39	8.74	18.38	144.91	6.99	18.59	153.72	7.08	18.44


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 **January** 2017 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
01-06-2017	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	130.16	120	1	AQI=	120
SO2	24 hrs Avg	8.73	11	1		
NOX	24 hrs Avg	18.55	23	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