

Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

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

Report no: AAW-14/16

Date: 16.08.2016

NAMP Station	First week 01.07.2016 to 02.07.2016			Second week 04.07.2016 to 08.07.2016			Third week 11.07.2016 to 16.07.2016			Fourth week 18.07.2016 to 22.07.2016			Fifth week 25.07.2016 to 30.07.2016		
	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	54.75	7.75	14.25	57.00	9.08	15.79	69.00	7.79	15.63	72.40	7.16	15.76	62.75	6.13	14.92
Khanapara Guwahati-22	78.25	5.75	13.63	81.50	6.25	14.30	79.33	6.29	15.04	66.10	5.95	14.60	76.50	5.71	13.75
Boragaon Guwahati-34	66.50	9.75	15.50	77.75	7.75	14.37	62.10	8.65	15.30	62.70	8.15	14.45	68.40	7.05	15.25
ITI, Gopinathnagar Guwahati-16	73.29	5.75	13.50	82.13	6.06	14.37	77.91	6.29	14.50	67.10	5.95	14.35	76.08	6.08	14.12
Guwahati University Guwahati-14	82.00	5.25	14.50	84.16	5.75	13.80	83.90	6.15	14.80	81.20	5.85	14.30	76.90	6.50	14.90
Pragjyotish College, Santipur Guwahati-9	58.50	8.50	14.12	63.40	8.00	14.37	78.91	10.13	15.21	79.10	7.90	14.55	83.66	8.13	14.63
Average value for Guwahati City	68.88	7.13	14.25	74.32	7.15	14.50	75.19	7.55	15.08	71.43	6.83	14.67	74.05	6.60	14.60



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 July 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
18-08-2016	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	73.99	74	1	AQI=	74
SO2	24 hrs Avg	7.09	9	1		
NOX	24 hrs Avg	15.03	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