

Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

Weekly Average Ambient Air Quality data of Guwahati city for the month of October/2015

Report no:AAW-05/15

Date 17.11.2015

NAMP Station	First week 01.10.15-03.10.15			Second week 05.10.15-09.10.15			Third week 12.10.15-16.10.15			Fourth week 19.10.15-24.10.15			Fifth week 26.10.15-31.10.15		
	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	80.00	7.38	12.38	81.70	7.95	12.50	82.20	7.45	12.30	84.50	7.75	12.35	84.25	8.50	13.50
Khanapara Guwahati-22	76.75	6.38	13.88	76.50	6.85	13.80	76.91	6.20	12.67	83.00	7.91	13.58	73.83	6.33	12.91
Boragaon Guwahati-34	75.91	7.00	12.00	72.80	7.50	12.85	74.45	8.05	12.95	75.56	9.25	12.75	75.23	7.65	12.52
ITI, Gopinathnagar Guwahati-16	71.25	5.75	12.00	76.50	6.20	12.25	70.41	5.46	11.62	75.00	6.00	12.28	75.91	5.88	12.00
Pragjyotish College, Santipur Guwahati-9	72.75	6.12	11.38	71.40	6.20	12.20	72.91	6.41	12.88	86.00	9.75	16.50	72.41	6.62	12.58
Guwahati University Guwahati-14	71.28	6.50	14.00	71.51	5.80	13.20	72.54	6.15	12.85	76.00	6.25	12.00	79.00	5.41	12.75
Average value for Guwahati City	74.66	6.52	12.61	75.07	6.75	12.80	74.90	6.62	12.55	80.01	7.82	13.24	76.77	6.73	12.71



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 **October 2015** considering six different stations.

Air Quality Index

Date 01-10-2015 to 31-10-2015	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	75.91	76	1	AQI=	76
SO2	24 hrs Avg	6.82	9	1		
NOX	24 hrs Avg	12.76	16	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