

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

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

Report no: AAW-15/16

Date: 26.09.2016

| NAMP Station | First week 01.08.2016 to 06.08.2016 | | | Second week 08.08.2016 to 12.08.2016 | | | Third week 16.08.2016 to 20.08.2016 | | | Fourth week 23.08.2016 to 26.08.2016 | | | Fifth week 29.08.2016 to 31.08.2016 | | |
|--|--|---|---|--|---|---|--|---|---|--|---|---|--|---|---|
| | 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 | 58.50 | 6.21 | 15.46 | 56.50 | 7.00 | 16.85 | 52.80 | 6.83 | 17.22 | 58.17 | 6.50 | 16.58 | 52.67 | 6.50 | 16.00 |
| Khanapara Guwahati-22 | 88.50 | 7.17 | 14.88 | 89.90 | 7.00 | 16.05 | 89.70 | 7.77 | 17.43 | 89.17 | 7.25 | 17.25 | 92.67 | 7.67 | 15.25 |
| Boragaon Guwahati-34 | 60.90 | 6.25 | 16.05 | 55.10 | 5.55 | 16.55 | 52.13 | 6.75 | 16.19 | 55.67 | 6.00 | 14.25 | 63.00 | 6.33 | 14.50 |
| ITI, Gopinathnagar Guwahati-16 | 74.17 | 7.13 | 16.00 | 72.00 | 6.85 | 16.20 | 69.50 | 6.90 | 16.45 | 80.33 | 7.50 | 16.42 | 74.50 | 6.92 | 15.42 |
| Guwahati University Guwahati-14 | 84.90 | 7.60 | 17.10 | 76.60 | 7.75 | 16.65 | 73.75 | 8.25 | 18.13 | 84.00 | 8.08 | 17.33 | 77.50 | 7.83 | 16.83 |
| Pragjyotish College, Santipur Guwahati-9 | 60.58 | 6.29 | 16.04 | 59.50 | 6.45 | 15.90 | 57.80 | 6.20 | 15.55 | 67.17 | 6.83 | 16.42 | 61.00 | 5.50 | 16.00 |
| Average value for Guwahati City | 71.26 | 6.78 | 15.92 | 68.27 | 6.77 | 16.37 | 65.95 | 7.12 | 16.83 | 72.42 | 7.03 | 16.38 | 70.22 | 6.79 | 15.67 |



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 August 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 16-08-2016 | 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 | 69.4 | 69 | 1 | AQI= | 69 | |
| SO2 | 24 hrs Avg | 6.96 | 9 | 1 | | | |
| NOX | 24 hrs Avg | 16.24 | 20 | 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 |