

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 **FEBRUARY** 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 06-03-2017 | Station Guwahati City City Guwahati State Assam |
|--------------------|---|

| Pollutants | Concentration in µg/m3 (except for CO) | Sub-Index | check | AQI= | Air Quality Index |
|------------|--|-----------|-------|-------------|-------------------|
| PM10 | 24 hrs Avg 191.02 | 161 | 1 | AQI= | 161 |
| SO2 | 24 hrs Avg 6.79 | 8 | 1 | | |
| NOX | 24 hrs Avg 17.29 | 22 | 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 |



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Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

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

Report No: AAW-201/17

Date: 06.03.2017

| 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 | 262.00 | 6.33 | 16.83 | 262.50 | 5.91 | 17.66 | 257.11 | 5.88 | 18.16 | 188.33 | 6.72 | 16.44 | 213.00 | 7.83 | 16.67 |
| Khanapara Guwahati- 22 | 155.33 | 5.67 | 17.50 | 170.22 | 5.83 | 16.33 | 212.11 | 5.47 | 16.47 | 193.11 | 6.44 | 17.27 | 211.00 | 7.67 | 20.17 |
| Boragaon Guwahati- 34 | 164.00 | 8.50 | 19.33 | 148.66 | 8.08 | 19.08 | 169.00 | 8.33 | 19.22 | 171.44 | 6.83 | 15.61 | 172.67 | 7.50 | 18.33 |
| ITI, Gopinathnagar Guwahati-16 | 225.50 | 7.33 | 17.92 | 250.00 | 6.67 | 18.92 | 238.00 | 8.27 | 15.83 | 199.11 | 7.27 | 17.72 | 283.33 | 6.67 | 15.83 |
| Guwahati University Guwahati-14 | 156.50 | 6.00 | 17.25 | 158.50 | 7.00 | 16.83 | 158.33 | 6.78 | 16.39 | 149.11 | 7.00 | 18.00 | 105.33 | 6.83 | 18.00 |
| Pragjyotish College, Santipur Guwahati-9 | 171.00 | 6.00 | 17.67 | 163.78 | 5.89 | 17.33 | 172.77 | 6.83 | 16.89 | 174.44 | 6.55 | 16.89 | 188.00 | 6.50 | 18.17 |
| Average value for Guwahati City | 189.06 | 6.64 | 17.75 | 192.28 | 6.56 | 17.69 | 201.22 | 6.93 | 17.16 | 179.26 | 6.80 | 16.99 | 195.56 | 7.17 | 17.86 |

Chief Env. Scientist