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

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

Report No: AAW-22/17

Date: 07.04.2017

| NAMP Station                                 | First week<br>(01.03.2017 to 03.03.2017)         |   |   | Second week<br>(06.03.2017 to 10.03.2017)        |   |   | Third week<br>(15.03.2017 to 17.03.2017)         |   |   | Fourth week<br>(20.03.2017 to 24.03.2017)        |   |   | Fifth week<br>(27.03.2017 to 31.03.2017)         |   |   |
|--|--|---|---|--|---|---|--|---|---|--|---|---|--|---|---|
|  | PM <sub>10</sub><br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>x</sub><br>( $\mu\text{g}/\text{m}^3$ ) | PM <sub>10</sub><br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>x</sub><br>( $\mu\text{g}/\text{m}^3$ ) | PM <sub>10</sub><br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>x</sub><br>( $\mu\text{g}/\text{m}^3$ ) | PM <sub>10</sub><br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>x</sub><br>( $\mu\text{g}/\text{m}^3$ ) | PM <sub>10</sub><br>( $\mu\text{g}/\text{m}^3$ ) | SO <sub>2</sub><br>( $\mu\text{g}/\text{m}^3$ ) | NO <sub>x</sub><br>( $\mu\text{g}/\text{m}^3$ ) |
| Head Office,<br>Bamunimaidam,<br>Guwahati-21 | 252.33   | 6.92  | 16.08   | 198.55   | 5.89  | 16.11   | 241.16   | 6.08  | 15.00   | 168.77   | 7.38  | 15.89   | 130.55   | 6.55  | 16.33   |
| Khanapara Guwahati-<br>22                    | 262.00   | 7.58  | 17.83   | 232.66   | 7.50  | 18.61   | 222.67   | 7.33  | 16.75   | 185.33   | 8.22  | 17.33   | 126.22   | 8.33  | 17.16   |
| Boragaon Guwahati-<br>34                     | 235.83   | 7.41  | 17.58   | 215.66   | 8.11  | 17.77   | 148.83   | 7.66  | 16.67   | 216.16   | 7.75  | 18.08   | 119.83   | 8.16  | 18.58   |
| ITI, Gopinathnagar<br>Guwahati-16            | 328.00   | 7.25  | 16.42   | 302.77   | 8.05  | 15.94   | 283.00   | 6.33  | 13.75   | 231.00   | 6.67  | 15.33   | 156.89   | 6.33  | 13.94   |
| Guwahati University<br>Guwahati-14           | 184.83   | 7.58  | 17.42   | 176.11   | 7.27  | 16.11   | 202.00   | 7.67  | 16.92   | 153.11   | 7.39  | 17.83   | 158.11   | 7.77  | 18.11   |
| Pragjyotish College,<br>Santipur Guwahati-9  | 208.66   | 7.00  | 17.92   | 196.55   | 7.16  | 17.61   | 182.66   | 7.08  | 16.75   | 163.33   | 6.50  | 15.61   | 122.44   | 8.38  | 16.38   |
| Average value for<br>Guwahati City           | 245.28   | 7.29  | 17.21   | 220.38   | 7.33  | 17.03   | 213.39   | 7.03  | 15.97   | 186.28   | 7.32  | 16.68   | 135.67   | 7.59  | 16.75   |

  
**Chief Env. Scientist**

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### 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 **March 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 |
| 07-04-17 | 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 | 196.28  | 164       |  | 1 | <b>AQI=</b> | <b>164</b>        |
| SO2        | 24 hrs Avg | 7.34  | 9         |  | 1 |             |                   |
| NOX        | 24 hrs Avg | 16.74   | 21        |  | 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<br>(0-50)           | Minimal Impact   | Poor<br>(201-300)      | Breathing discomfort                                    |
| Satisfactory<br>(51-100) | Minor breathing discomfort to sensitive people   | Very Poor<br>(301-400) | Respiratory illness to the people on prolonged exposure |
| Moderate<br>(101-200)    | Breathing discomfort to the people with lung, heart disease, children and older adults | Severe<br>(>401)       | Respiratory effects even on healthy people              |