

## Calculation of AQI

| Date         |            | Station  |           | Export promotional park ITPL |              |            |                   |  |  |  |
|--------------|------------|--|-----------|------------------------------|--------------|------------|-------------------|--|--|--|
| Jan-Dec 2011 |            | City   |           | Bangalore                    |              |            |                   |  |  |  |
|              |            | State  |           | Karnataka                    |              |            |                   |  |  |  |
| Pollutants   |            | concentration in $\mu\text{g}/\text{m}^3$<br>(except for CO) | Sub-Index |                              |              |            | Air Quality Index |  |  |  |
|              |            |  |           | check                        |              |            |                   |  |  |  |
| PM10         | Yearly avg | 110.00   | 107       | 1                            |              |            |                   |  |  |  |
| PM2.5        | Yearly avg |  | 0         | 0                            |              |            |                   |  |  |  |
| SO2          | Yearly avg | 21.80  | 27        | 1                            | <b>AQI =</b> | <b>107</b> |                   |  |  |  |
| NO2          | Yearly avg | 33.40  | 42        | 1                            |              |            |                   |  |  |  |
| *CO (mg/m3)  | Yearly avg | 0.00   | 0         | 0                            |              |            |                   |  |  |  |
| O3           | Yearly avg | 0.00   | 0         | 0                            |              |            |                   |  |  |  |
| NH3          | Yearly avg |  | 0         | 0                            |              |            |                   |  |  |  |

\* 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

|  |   |                                      |   |
|--|---|--------------------------------------|---|
| <b>Good</b><br><b>(0-50)</b>           | Minimal Impact  | <b>Poor</b><br><b>(201-300)</b>      | Breathing discomfort to people on prolonged exposure    |
| <b>Satisfactory</b><br><b>(51-100)</b> | Minor breathing discomfort to sensitive people  | <b>Very Poor</b><br><b>(301-400)</b> | Respiratory illness to the people on prolonged exposure |
| <b>Moderate</b><br><b>(101-200)</b>    | Breathing discomfort to the people with lung,<br>heart disease, children and older adults | <b>Severe</b><br><b>(&gt;401)</b>    | Respiratory effects even on healthy people              |

## Calculation of AQI

| Date          |            |  | Station   | KHB Indl Area, Yelahanka |              |            |                   |
|---------------|------------|--|-----------|--------------------------|--------------|------------|-------------------|
| Jan -Dec 2011 |            |  | City      | Bangalore                |              |            |                   |
|               |            |  | State     | Karnataka                |              |            |                   |
|               |            |  |           |                          |              |            |                   |
| Pollutants    |            | concentration in $\mu\text{g}/\text{m}^3$<br>(except for CO) | Sub-Index |                          |              |            | Air Quality Index |
|               |            |  |           | check                    |              |            |                   |
| PM10          | yearly avg | 178.00   | 152       | 1                        |              |            |                   |
| PM2.5         | yearly avg | 0.00   | 0         | 0                        |              |            |                   |
| SO2           | yearly avg | 17.60  | 22        | 1                        | <b>AQI =</b> | <b>152</b> |                   |
| NO2           | yearly avg | 33.40  | 42        | 1                        |              |            |                   |
| *CO (mg/m3)   | yearly avg | 0.00   | 0         | 0                        |              |            |                   |
| O3            | yearly avg | 0.00   | 0         | 0                        |              |            |                   |
| NH3           | yearly avg |  | 0         | 0                        |              |            |                   |

\* 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

|  |   |  |  |                                      |   |
|--|---|--|--|--------------------------------------|---|
| <b>Good</b><br><b>(0-50)</b>           | Minimal Impact  |  |  | <b>Poor</b><br><b>(201-300)</b>      | Breathing discomfort to people on prolonged exposure    |
| <b>Satisfactory</b><br><b>(51-100)</b> | Minor breathing discomfort to sensitive people  |  |  | <b>Very Poor</b><br><b>(301-400)</b> | Respiratory illness to the people on prolonged exposure |
| <b>Moderate</b><br><b>(101-200)</b>    | Breathing discomfort to the people with lung,<br>heart disease, children and older adults |  |  | <b>Severe</b><br><b>(&gt;401)</b>    | Respiratory effects even on healthy people              |
|  |   |  |  |                                      |   |
|  |   |  |  |                                      |   |

## Calculation of AQI

| Date         |            |  | Station   | Peenya Indl Area |              |                   |  |  |
|--------------|------------|--|-----------|------------------|--------------|-------------------|--|--|
| Jna-Dec 2011 |            |  | City      | Bangalore        |              |                   |  |  |
|              |            |  | State     | Karnataka        |              |                   |  |  |
| Pollutants   |            | concentration in $\mu\text{g}/\text{m}^3$<br>(except for CO) | Sub-Index |                  |              | Air Quality Index |  |  |
|              |            |  |           | check            |              |                   |  |  |
| PM10         | yearly avg | 99.50  | 100       | 1                |              |                   |  |  |
| PM2.5        | yearly avg |  | 0         | 0                |              |                   |  |  |
| SO2          | yearly avg | 16.00  | 20        | 1                | <b>AQI =</b> | <b>100</b>        |  |  |
| NO2          | yearly avg | 29.20  | 37        | 1                |              |                   |  |  |
| *CO (mg/m3)  | yearly avg | 0.00   | 0         | 0                |              |                   |  |  |
| O3           | yearly avg | 0.00   | 0         | 0                |              |                   |  |  |
| NH3          | yearly avg |  | 0         | 0                |              |                   |  |  |

\* 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

|  |   |  |  |                                      |   |  |  |  |
|--|---|--|--|--------------------------------------|---|--|--|--|
| <b>Good</b><br><b>(0-50)</b>           | Minimal Impact  |  |  | <b>Poor</b><br><b>(201-300)</b>      | Breathing discomfort to people on prolonged exposure    |  |  |  |
| <b>Satisfactory</b><br><b>(51-100)</b> | Minor breathing discomfort to sensitive people  |  |  | <b>Very Poor</b><br><b>(301-400)</b> | Respiratory illness to the people on prolonged exposure |  |  |  |
| <b>Moderate</b><br><b>(101-200)</b>    | Breathing discomfort to the people with lung,<br>heart disease, children and older adults |  |  | <b>Severe</b><br><b>(&gt;401)</b>    | Respiratory effects even on healthy people              |  |  |  |

## Calculation of AQI

| Calculation of AQI   |  |   |           |               |   |            |                      |  |
|--|--|---|-----------|---------------|---|------------|----------------------|--|
| Date   |  |   | Station   | Yeshwanthpura |   |            |                      |  |
| Jan-Dec 2011   |  |   | City      | Bangalore     |   |            |                      |  |
|  |  |   | State     | Karnataka     |   |            |                      |  |
| Pollutants   |  | concentration in<br>$\mu\text{g}/\text{m}^3$<br>(except for CO) | Sub-Index |               |   |            | Air Quality<br>Index |  |
|  |  |   |           | check         |   |            |                      |  |
| PM10   | Yearly avg                                     | 123.70  | 116       | 1             |   |            |                      |  |
| PM2.5  | Yearly avg                                     |   | 0         | 0             |   |            |                      |  |
| SO2  | Yearly avg                                     | 18.30   | 23        | 1             | <b>AQI =</b>  | <b>116</b> |                      |  |
| NO2  | Yearly avg                                     | 33.00   | 41        | 1             |   |            |                      |  |
| *CO (mg/m3)  | Yearly avg                                     | 0.00  | 0         | 0             |   |            |                      |  |
| O3   | Yearly avg                                     | 0.00  | 0         | 0             |   |            |                      |  |
| NH3  | Yearly avg                                     |   | 0         | 0             |   |            |                      |  |
| * 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   | Minimal Impact                                 |   |           | Poor          | Breathing discomfort to people on prolonged exposure    |            |                      |  |
| (0-50)   |  |   |           | (201-300)     |   |            |                      |  |
| Satisfactory   | Minor breathing discomfort to sensitive people |   |           | Very Poor     | Respiratory illness to the people on prolonged exposure |            |                      |  |
| (51-100)   |  |   |           | (301-400)     |   |            |                      |  |
| Moderate   | Breathing discomfort to the people with lung,  |   |           | Severe        | Respiratory effects even on healthy people              |            |                      |  |
| (101-200)  | heart disease, children and older adults       |   |           | (>401)        |   |            |                      |  |



## Calculation of AQI

| Date         |            | Station  | Victoria Hospital | City  | Bangalore       | State             | Karnataka |
|--------------|------------|--|-------------------|-------|-----------------|-------------------|-----------|
| Jan-Dec 2011 |            |  |                   |       |                 |                   |           |
|              |            |  |                   |       |                 |                   |           |
| Pollutants   |            | concentration in $\mu\text{g}/\text{m}^3$<br>(except for CO) | Sub-Index         | check |                 | Air Quality Index |           |
| PM10         | Yearly avg | 52.50  | 53                | 1     | <b>AQI = 53</b> | <b>53</b>         |           |
| PM2.5        | Yearly avg |  | 0                 | 0     |                 |                   |           |
| SO2          | Yearly avg | 12.70  | 16                | 1     |                 |                   |           |
| NO2          | Yearly avg | 24.60  | 31                | 1     |                 |                   |           |
| *CO (mg/m3)  | Yearly avg | 0.00   | 0                 | 0     |                 |                   |           |
| O3           | Yearly avg | 0.00   | 0                 | 0     |                 |                   |           |
| NH3          | Yearly avg |  | 0                 | 0     |                 |                   |           |

\* 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

|  |   |  |                                      |   |
|--|---|--|--------------------------------------|---|
| <b>Good</b><br><b>(0-50)</b>           | Minimal Impact  |  | <b>Poor</b><br><b>(201-300)</b>      | Breathing discomfort to people on prolonged exposure    |
| <b>Satisfactory</b><br><b>(51-100)</b> | Minor breathing discomfort to sensitive people  |  | <b>Very Poor</b><br><b>(301-400)</b> | Respiratory illness to the people on prolonged exposure |
| <b>Moderate</b><br><b>(101-200)</b>    | Breathing discomfort to the people with lung,<br>heart disease, children and older adults |  | <b>Severe</b><br><b>(&gt;401)</b>    | Respiratory effects even on healthy people              |

## Calculation of AQI

| Calculation of AQI   |   |  |           |                               |   |            |                      |  |
|--|---|--|-----------|-------------------------------|---|------------|----------------------|--|
| Date   |   |  | Station   | City Railway Station          |   |            |                      |  |
|  | Jan -dec 2011   |  | City      | Bangalore                     |   |            |                      |  |
|  |   |  | State     | Karnataka                     |   |            |                      |  |
| Pollutants   |   | concentration in<br><span style="color: #00a08a;">µg/m<sup>3</sup></span><br>(except for CO) | Sub-Index |                               |   |            | Air Quality<br>Index |  |
|  |   |  |           | check                         |   |            |                      |  |
| PM10   | Yearly avg  | 54.40  | 54        | 1                             |   |            |                      |  |
| PM2.5  | Yearly avg  | 0.00   | 0         | 0                             |   |            |                      |  |
| SO2  | Yearly avg  | 11.70  | 15        | 1                             | <b>AQI =</b>  | <b>102</b> |                      |  |
| NO2  | Yearly avg  | 82.10  | 102       | 1                             |   |            |                      |  |
| <span style="color: #00a08a;">*CO (mg/m<sup>3</sup>)</span>                                    | Yearly avg  | 1.20   | 60        | 1                             |   |            |                      |  |
| O3   | Yearly avg  | 0.00   | 0         | 0                             |   |            |                      |  |
| NH3  | Yearly avg  | 0.00   | 0         | 0                             |   |            |                      |  |
| * 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                                      |   |  |           |                               |   |            |                      |  |
| <b>Good</b><br>(0-50)  | Minimal Impact  |  |           | <b>Poor</b><br>(201-300)      | Breathing discomfort to people on prolonged exposure    |            |                      |  |
| <b>Satisfactory</b><br>(51-100)  | Minor breathing discomfort to sensitive people  |  |           | <b>Very Poor</b><br>(301-400) | Respiratory illness to the people on prolonged exposure |            |                      |  |
| <b>Moderate</b><br>(101-200)   | Breathing discomfort to the people with lung,<br>heart disease, children and older adults |  |           | <b>Severe</b><br>(>401)       | Respiratory effects even on healthy people              |            |                      |  |

## Calculation of AQI

| Date         |            |  | Station   | Saneguruvanahalli-CAAQM |              |                   |  |
|--------------|------------|--|-----------|-------------------------|--------------|-------------------|--|
| Jan=Dec 2011 |            |  | City      | Bangalore               |              |                   |  |
|              |            |  | State     | Karnataka               |              |                   |  |
|              |            |  |           |                         |              |                   |  |
| Pollutants   |            | concentration in $\mu\text{g}/\text{m}^3$<br>(except for CO) | Sub-Index |                         |              | Air Quality Index |  |
|              |            |  |           | check                   |              |                   |  |
| PM10         | Yearly avg | 20.00  | 20        | 1                       |              |                   |  |
| PM2.5        | Yearly avg | 0.00   | 0         | 0                       |              |                   |  |
| SO2          | Yearly avg | 10.50  | 13        | 1                       | <b>AQI =</b> | <b>31</b>         |  |
| NO2          | Yearly avg | 24.70  | 31        | 1                       |              |                   |  |
| *CO (mg/m3)  | Yearly avg |  | 0         | 0                       |              |                   |  |
| O3           | Yearly avg | 0.00   | 0         | 0                       |              |                   |  |
| NH3          | Yearly avg | 0.00   | 0         | 0                       |              |                   |  |

\* 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

|                     |  |  |  |                  |   |
|---------------------|--|--|--|------------------|---|
| <b>Good</b>         | Minimal Impact                                 |  |  | <b>Poor</b>      | Breathing discomfort to people on prolonged exposure    |
| <b>(0-50)</b>       |  |  |  | <b>(201-300)</b> |   |
| <b>Satisfactory</b> | Minor breathing discomfort to sensitive people |  |  | <b>Very Poor</b> | Respiratory illness to the people on prolonged exposure |
| <b>(51-100)</b>     |  |  |  | <b>(301-400)</b> |   |
| <b>Moderate</b>     | Breathing discomfort to the people with lung,  |  |  | <b>Severe</b>    | Respiratory effects even on healthy people              |
| <b>(101-200)</b>    | heart disease, children and older adults       |  |  | <b>(&gt;401)</b> |   |