

Calculation of AQI

Date		Station	
December-2017		Art promotional park ITPL	
		City Bangalore	
		State Karnataka	
Pollutants	concentration in $\mu\text{g}/\text{m}^3$	Sub-Index	Air Quality Index
PM10	Monthly avg 118.00	112	AQI = 112
PM2.5	Monthly avg 53.00	88	
SO2	Monthly avg 2.00	3	
NO2	Monthly avg 33.00	41	
*CO (mg/m3)	Monthly avg 0.00	0	
O3	Monthly avg 0.00	0	
NH3	Monthly avg 33.00	8	
* 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)
Satisfactory (51-100)	Minor breathing discomfort to sensitive people		Very Poor (301-400)
Moderate (101-200)	Breathing discomfort to the people with lung, heart disease, children and older adults		Severe (>401)
			Breathing discomfort to people on prolonged exposure
			Respiratory illness to the people on prolonged exposure
			Respiratory effects even on healthy people

Calculation of AQI

Date December-2017	Station Rail Wheel factory, Yelahanka
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	64.00	64	1	AQI = 64
PM2.5	Monthly avg	2.00	3	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	32.00	8	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 to people on prolonged exposure
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

Calculation of AQI

Date			Station	Peenya Indl Area	
December-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	107.00	105	check 1	AQI = 105
PM2.5	Monthly avg	48.00	80	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	33.00	8	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
Good (0-50)	Minimal Impact			Poor (201-300)	Breathing discomfort to people on prolonged exposure
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

Note: Samples were not recieved and hence AQI not done.

Calculation of AQI

Date December-2017	Station Yeshwanthpura
	City Bangalore
	State Karnataka

Pollutants	concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg 93.00	93	check	1	AQI = 93
PM2.5	Monthly avg 41.00	68		1	
SO2	Monthly avg 2.00	3		1	
NO2	Monthly avg 32.00	40		1	
*CO (mg/m3)	Monthly avg 0.00	0		0	
O3	Monthly avg 0.00	0		0	
NH3	Monthly avg 32.00	8		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 to people on prolonged exposure
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

Calculation of AQI

Date		Station		City		State	
December-2017		Amco Batteries Msore Road		Bangalore		Karnataka	
Pollutants	concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index		
PM10	Monthly avg 91.00	91	check	1	AQI = 91		
PM2.5	Monthly avg 44.00	73		1			
SO2	Monthly avg 2.00	3		1			
NO2	Monthly avg 33.00	41		1			
*CO (mg/m3)	Monthly avg 0.00	0		0			
O3	Monthly avg 0.00	0		0			
NH3	Monthly avg 32.00	8		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 to people on prolonged exposure		
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		

Calculation of AQI

Date			Station	Central Silk Board	
December-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	103.00	102	check 1	AQI = <div style="background-color: yellow; border: 2px solid black; padding: 10px; display: inline-block; font-size: 24px; font-weight: bold;">102</div>
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	33.00	41	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	32.00	8	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
Good (0–50)	Minimal Impact			Poor (201–300)	Breathing discomfort to people on prolonged exposure
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

Note : - Samples were not received for analysis,
and AQI not done

Calculation of AQI

Date	December-2017			Station	Victoria Hospital	
				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	51.00	51	check	1	<div style="border: 2px solid black; padding: 10px; display: inline-block;"> AQI = 51 </div>
PM2.5	Monthly avg	0.00	0		0	
SO2	Monthly avg	2.00	3		1	
NO2	Monthly avg	32.00	40		1	
*CO (mg/m3)	Monthly avg	0.00	0		0	
O3	Monthly avg	0.00	0		0	
NH3	Monthly avg	33.00	8		1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>						
Good (0–50)	Minimal Impact			Poor (201–300)	Breathing discomfort to people on prolonged exposure	
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	

Calculation of AQI

Date			Station	Indira Gandhi CHC-NIMHANS	
December-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	56.00	56	check 1	AQI = 56
PM2.5	Monthly avg	27.00	45	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	
*CO (mg/m ³)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	33.00	8	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 to people on prolonged exposure
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

Calculation of AQI

Date			Station	City Railway Station	
December-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	98.00	98	check 1	AQI = 108
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	13.20	17	1	
NO2	Monthly avg	87.70	108	1	
*CO (mg/m3)	Monthly avg	1.31	66	1	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	0.00	0	0	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
Good (0–50)	Minimal Impact		Poor (201–300)	Breathing discomfort to people on prolonged exposure	
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	

Calculation of AQI

Date			Station	Saneguruvanahalli-CAAQM	
December-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	51.30	51	check 1	AQI = 51
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	1.30	2	1	
NO2	Monthly avg	29.50	37	1	
*CO (mg/m^3)	Monthly avg	0.50	25	1	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	0.00	0	0	
<small>* 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</small>					
Good (0–50)	Minimal Impact			Poor (201–300)	Breathing discomfort to people on prolonged exposure
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

Calculation of AQI

Date				Station	Kajisonnenahalli	
December-2017				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	69.00	69	check		AQI = 69
PM2.5	Monthly avg	0.00	0	0		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	32.00	40	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	35.00	9	1		
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>						
Good (0–50)	Minimal Impact			Poor (201–300)	Breathing discomfort to people on prolonged exposure	
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	

Calculation of AQI

Date				Station	TERI -Domlur	
December-2017				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index	
PM10	Monthly avg	117.00	111	check 1	AQI = 111	
PM2.5	Monthly avg	50.00	83	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	32.00	40	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	32.00	8	1		
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>						
Good (0-50)	Minimal Impact			Poor (201-300)	Breathing discomfort to people on prolonged exposure	
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	

Note: Samples were not recieved and hence AQI not done.

Calculation of AQI

Date December-2017	Station Banasawadi Police Station
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	67.00	67	1	AQI = 67
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	26.00	33	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	21.00	5	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 to people on prolonged exposure
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

Note: Samples were not recieved and hence AQI not done.



Calculation of AQI

Date				Station	UVCE, KR CIRCLE	
December-2017				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	59.00	59	check 1		AQI = <div style="border: 2px solid black; background-color: #92d050; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 10px 0;">59</div>
PM2.5	Monthly avg	31.00	52	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	21.00	26	1		
*CO (mg/m^3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	21.00	5	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 to people on prolonged exposure
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

Note: Samples were not recieved and hence AQI not done

Calculation of AQI

Date			Station	Swan silk Pvt Ltd, Peenya	
December-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	109.00	106	check 1	AQI = <div style="background-color: yellow; border: 2px solid black; padding: 10px; display: inline-block; margin: 10px 0;"> 106 </div>
PM2.5	Monthly avg	46.00	77	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	33.00	8	1	
<p>* Concentrations of minimum three pollutants are required; one of them should be PM10 or PM2.5</p> <p>* The check displays "1" when a non-zero value is entered</p>					
Good (0-50)	Minimal Impact			Poor (201-300)	Breathing discomfort to people on prolonged exposure
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

AAQM results for the month of December- 2017									
Sl. No.	Name of the Monitoring Station	Date of Monitoring	(24 hrs Time Weighted Average)						
			PM₁₀ µg/m³	PM_{2.5} µg/m³	SO₂ µg/m³	NO₂ µg/m³	NH₃ µg/m³	Pb µg/m³	CO mg/m³
1	AMCO Batteries,	Dec-17	91	44.0	2.0	33.0	32.0	0.214	*
2	Central Silk Board, Hosur Road,	Dec-17	103	*	2.0	33.0	32.0	0.106	*
3	Indhira Gandhi Children Health Care	Dec-17	56	27.0	2.0	32.0	33.0	0.073	*
4	ITPL,Whietfield	Dec-17	118	53.0	2.0	33.0	33.0	0.178	*
5	Mr. Madhachari's House Kazisonnenihalli	Dec-17	69	*	2.0	32.0	35.0	0.382	*
6	Rail Wheel factory, Yelahanka	Dec-17	64	*	2.0	31.0	32.0	0.081	*
7	Swan Silk Pvt. Ltd., Peenya	Dec-17	109	46.0	2.0	32.0	33.0	0.194	*
8	Urban Eco Park, Peenya	Dec-17	107	48.0	2.0	32.0	33.0	0.199	*
9	Victoria Hospital, K. R. Market	Dec-17	51	*	2.0	32.0	38.0	0.059	*
10	Yeswanthapura Police Station	Dec-17	93	41.0	2.0	32.0	32.0	0.076	*
11	Terri Office, Old Air Port Road, Domlur	Dec-17	117	50.0	2.0	32.0	32.0	0.307	*
12	Banasawadi Police Station	Dec-17	67	*	2.0	26.0	21.0	0.164	*
13	UVCE, K.R Circle	Dec-17	59	31.0	2.0	21.0	21.0	0.064	*
14	City RailwayStation CAAQM	Dec-17	98	*	13.2	87.7	*	*	1.31
15	Sanegruvanahalli CAAQM	Dec-17	51	*	1.3	29.5	*	*	0.5
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0

Note; * monitoring not done