

Calculation of AQI

Date Aug-2017	Station City: Export promotional park ITPL State: Bangalore Karnataka		
Pollutants	concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	Air Quality Index
PM10	Monthly avg 94.00	94	AQI = 94
PM2.5	Monthly avg 44.00	73	
SO2	Monthly avg 2.00	3	
NO2	Monthly avg 30.00	38	
*CO (mg/m3)	Monthly avg 0.00	0	
O3	Monthly avg 0.00	0	
NH3	Monthly avg 35.00	9	

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

* 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

Calculation of AQI

Date Aug-2017			Station Rail Wheel factory, Yelahanka		
			City Bangalore		
			State Karnataka		
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	120.00	113	check 1	AQI = 113
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	30.00	38	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	38.00	10	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	Aug-2017		Station	Peenya Indl Area	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	85.00	85	check 1	AQI = 85
PM2.5	Monthly avg	42.00	70	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	30.00	38	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

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

Calculation of AQI

Date		Station		City		State	
Aug-2017		Yeshwanthpura		Bangalore		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	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		
* 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 Aug-2017	Station Amco Batteries Msore Road
	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	92.00	92	1	AQI = 92
PM2.5	Monthly avg	42.00	70	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	38.00	10	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 Aug-2017	Station Central Silk Board
	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	142.00	128	1	AQI = 128
PM2.5	Monthly avg	0.00	0	0	
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	39.00	10	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 received for analysis, and AQI not done

Calculation of AQI

Date			Station	Victoria Hospital	
Aug-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	88.00	88	check 1	AQI = 88
PM2.5	Monthly avg	0.00	0	0	
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	38.00	10	1	
<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 Aug-2017	Station Indira Gandhi CHC-NIMHANS
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index				
PM10	Monthly avg	53.00	53	check	1		
PM2.5	Monthly avg	26.00	43		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	34.00	9		1		

AQI =

Air Quality Index

53

* 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 Aug-2017	Station City Railway 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	82.00	82	1	AQI = 82
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	7.20	9	1	
NO2	Monthly avg	37.00	46	1	
*CO (mg/m3)	Monthly avg	1.30	65	1	
O3	Monthly avg	0.00	0	0	
NH3	Monthly 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

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	Aug-2017		Station	Saneguruvanahalli-CAAQM	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	37.00	37	check 1	AQI = 37
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	1.50	2	1	
NO2	Monthly avg	14.70	18	1	
*CO (mg/m3)	Monthly avg	0.60	30	1	
O3	Monthly avg	0.00	0	0	
NH3	Monthly 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					
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 Aug-2017	Station Kajisonnenahalli
	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	57.00	57	1	AQI = 57
PM2.5	Monthly avg	0.00	0	0	
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	31.00	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		TERI -Domlur	
Aug-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	0.00	0	check 0	AQI = <div style="border: 1px solid black; padding: 5px; display: inline-block;"> Atleast 3 inputs* </div>
PM2.5	Monthly avg	32.00	53	1	
SO2	Monthly avg	0.00	0	0	
NO2	Monthly avg	0.00	0	0	
*CO (mg/m^3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly 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					
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		City		State	
Aug-2017		Banasawadi Police Station		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index	
PM10	Monthly avg	0.00	0	0	check	AQI = <div style="border: 1px solid black; padding: 10px; display: inline-block;"> Atleast 3 inputs* </div>	
PM2.5	Monthly avg	34.00	57	1			
SO2	Monthly avg	0.00	0	0			
NO2	Monthly avg	0.00	0	0			
*CO (mg/m3)	Monthly avg	0.00	0	0			
O3	Monthly avg	0.00	0	0			
NH3	Monthly 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							
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	
Aug-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	0.00	0	check	0	AQI = <div style="border: 2px solid black; padding: 10px; display: inline-block; background-color: #ADD8E6;"> Atleast 3 inputs* </div>
PM2.5	Monthly avg	31.00	52	1	1	
SO2	Monthly avg	0.00	0	0	0	
NO2	Monthly avg	0.00	0	0	0	
*CO (mg/m^3)	Monthly avg	0.00	0	0	0	
O3	Monthly avg	0.00	0	0	0	
NH3	Monthly avg	0.00	0	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	

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

Calculation of AQI

Date		Station		City		State	
Aug-2017		Swan silk Pvt Ltd, Peenya		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index		
PM10	Monthly avg	90.00	90	1	AQI = 90		
PM2.5	Monthly avg	42.00	70	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	37.00	9	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	
Aug-2017		RO, TUMKUR		TUMKUR		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index		
PM10	Monthly avg	123.00	115	1	AQI = 115		
PM2.5	Monthly avg	0.00	0	0			
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	34.00	9	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	Aug-2017	Station	RO, Kolar
		City	Kolar
		State	Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	48.00	48	check 1	AQI = 48
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	30.00	38	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

AAQM results for the month of Aug- 2017									
Sl. No.	Name of the Monitoring Station	Date of Monitoring	(24 hrs Time Weighted Average)						
			PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	NH ₃ µg/m ³	Pb µg/m ³	CO mg/m ³
1	AMCO Batteries,	Aug-17	92	42	2.0	32	38	0.339	—*—
2	Central Silk Board, Hosur Road,	Aug-17	142	—*—	2.0	31	39	0.097	—*—
3	Indhira Gandhi Children Health Care	Aug-17	53	26	2.0	31	34	0.079	—*—
4	ITPL, Whietfield	Aug-17	94	44	2.0	30	35	0.238	—*—
5	Mr. Madhachari's House Kazisonnenihall	Aug-17	57	—*—	2.0	31	31	0.125	—*—
6	Rail Wheel factory, Yelahanka	Aug-17	120	—*—	2.0	30	38	0.254	—*—
7	Swan Silk Pvt. Ltd., Peenya	Aug-17	90	42	2.0	32	37	0.153	—*—
8	Urban Eco Park, Peenya	Aug-17	85	42	2.0	30	32	0.131	—*—
9	Victoria Hospital, K. R. Market	Aug-17	88	—*—	2.0	31	38	0.261	—*—
10	Yeswanthapura Police Station	Aug-17	93	—*—	2.0	32	35	0.244	—*—
11	Terri Office, Old Air Port Road, Domlur	Aug-17	—*—	32	—*—	—*—	—*—	—*—	—*—
12	Banasawadi Police Station	Aug-17	—*—	34	—*—	—*—	—*—	—*—	—*—
13	UVCE, K.R Circle	Aug-17	—*—	31	—*—	—*—	—*—	—*—	—*—
14	City RailwayStation CAAQM	Aug-17	82.0	—*—	7.2	37.0	—*—	—*—	1.3
15	Sanegruvanahalli CAAQM	Aug-17	37.0	—*—	1.5	14.7	—*—	—*—	0.6
16	RO Tumkur	Aug-17	123	—*—	2.0	32	34	0.247	—*—
17	RO Kolar	Aug-17	48	—*—	2.0	30	33	0.229	—*—
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0

Note; —*— monitoring not done