

Calculation of AQI

Date			Station	Export promotional park ITPL	
May-17			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	105.00	103	check 1	AQI = <div style="background-color: yellow; border: 2px solid black; padding: 10px; display: inline-block; margin-left: 20px;"> 103 </div>
PM2.5	Monthly avg	32.00	53	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	40.00	10	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 during April-2017 for analysis, hence AQI not done

Calculation of AQI

Calculation of AQI						
Date			Station	Rail Wheel factory, Yelahanka		
May-2017			City	Bangalore		
			State	Karnataka		
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
				check		
PM10	Monthly avg	98.00	98	1		
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	34.00	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	

AQI =

98

Calculation of AQI

Date May-2017	Station Peenya Indl Area
	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	71.00	71	1	AQI = 71
PM2.5	Monthly avg	37.00	62	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	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			Station	Yeshwanthpura		
May-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	74.00	74	check		AQI = 74
PM2.5	Monthly avg	38.00	63	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	40.00	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				Station	Amco Batteries Msore Road	
May-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	84.00	84	check 1	AQI = 84	
PM2.5	Monthly avg	42.00	70	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	34.00	43	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	39.00	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				Station	Central Silk Board	
May-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		
PM2.5	Monthly avg	0.00	0	0		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	31.00	39	1	AQI = <div style="border: 1px solid black; background-color: #a2c4c9; padding: 10px; display: inline-block;"> Atleast 3 inputs* </div>	
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	49.00	12	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 : – PM₁₀ & PM_{2.5} Samples were not received for analysis, hence Lead also cannot be analysed and AQI not done

Calculation of AQI

Date			Station	Victoria Hospital	
May-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 1	AQI = 69
PM2.5	Monthly avg	35.00	58	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	39.00	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 May-2017	Station Indira Gandhi CHC-NIMHANS
	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	78.00	78	1	AQI = 78
PM2.5	Monthly avg	32.00	53	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	40.00	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		Station		City Railway Station	
May-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	67.00	67	check 1	AQI = 67
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	6.27	8	1	
NO2	Monthly avg	35.85	45	1	
*CO (mg/m3)	Monthly avg	0.75	38	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 May-2017	Station Saneguruvanahalli-CAAQM
	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	35.19	35	1	AQI = 41
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.37	3	1	
NO2	Monthly avg	32.71	41	1	
*CO (mg/m3)	Monthly avg	0.54	27	1	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	20.83	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

Calculation of AQI

Date May-2017	Station Kajisonnenahalli
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	66.00	66	check 1	AQI = 66
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	28.00	35	1	
*CO (mg/m3)	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

Note: Samples were not received during April-2017 for analysis,
hence AQI not done

Calculation of AQI

Date	May-2017		Station	TERI -Domlur	
			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	139.00	126	1	AQI = 126
PM2.5	Monthly avg	61.00	103	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	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			Station	Banasawadi Police Station	
May-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	71.00	71	check 1	AQI = 71
PM2.5	Monthly avg	35.00	58	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	22.00	28	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	20.00	5	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 during April-2017 for analysis, hence AQI not done

Calculation of AQI

Date May-2017		Station UVCE, KR CIRCLE	
		City Bangalore	
		State Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index
PM10	Monthly avg	79.00	79
PM2.5	Monthly avg	36.00	60
SO2	Monthly avg	2.00	3
NO2	Monthly avg	22.00	28
*CO (mg/m3)	Monthly avg	0.00	0
O3	Monthly avg	0.00	0
NH3	Monthly avg	21.00	5
check			
1			
1			
1			
1			
0			
0			
1			
			AQI = 79

* 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 May-2017	Station City State	Swan silk Pvt Ltd, Peenya Bangalore Karnataka
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Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	AQI = 92
PM10	Monthly avg	92.00	92	1	
PM2.5	Monthly avg	43.00	72	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	33.00	41	1	
CO (mg/m^3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	40.00	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					Station	RO, TUMKUR
May-2017					City	TUMKUR
					State	Karnataka
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index	
PM10	Monthly avg	126.00	117	check 1	AQI = <div style="background-color: yellow; border: 2px solid black; padding: 10px; display: inline-block; font-size: 24px; font-weight: bold;">117</div>	
PM2.5	Monthly avg	0.00	0	0		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	47.00	59	1		
CO (mg/m ³)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	58.00	15	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 May- 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,	May-17	84.0	42.0	BDL	34.0	39.0	0.2	*
2	Central Silk Board, Hosur Road,	May-17	*	*	BDL	31.0	49.0	*	*
3	Indhira Gandhi Children Health Care	May-17	78.0	32.0	BDL	33.0	40.0	0.1	*
4	ITPL, Whietfield	May-17	105.0	48.0	BDL	29.0	33.0	0.1	*
5	Mr. Madhachari's House Kazisonnenihall	May-17	66.0	*	BDL	28.0	33.0	0.1	*
6	Rail Wheel factory, Yelahanka	May-17	98.0	*	BDL	26.0	34.0	0.1	*
7	Swan Silk Pvt. Ltd., Peenya	May-17	92.0	43.0	BDL	33.0	40.0	0.1	*
8	Urban Eco Park, Peenya	May-17	71.0	37.0	BDL	31.0	35.0	0.1	*
9	Victoria Hospital, K. R. Market	May-17	69.0	35.0	BDL	32.0	39.0	0.0	*
10	Yeswanthapura Police Station	May-17	74.0	38.0	BDL	33.0	40.0	0.1	*
11	Terri Office, Old Air Port Road, Domlur	May-17	139.0	61.0	BDL	33.0	38.0	0.1	*
12	Banasawadi Police Station	May-17	71.0	35.0	BDL	22.0	20.0	0.0	*
13	UVCE, K.R Circle	May-17	79.0	36.0	BDL	22.0	21.0	0.1	*
14	City RailwayStation CAAQM	May-17	67.0	*	6.3	35.9	*	*	0.8
15	Sanegruvanahalli CAAQM	May-17	35.2	*	2.4	25.3	*	*	0.5
16	RO Tumkur	May-17	126.0	*	BDL	37.0	58.0	0.2	*
17	RO Kolar	May-17	*	*	*	*	*	*	*
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0