

Calculation of AQI

Date			Station	Export promotional park ITPL	
OCT-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	111.00	107	check	1	<div style="border: 2px solid black; background-color: yellow; padding: 20px; display: inline-block;"> AQI = 107 </div>
PM2.5	Monthly avg	57.00	95		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	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		Rail Wheel factory, Yelahanka	
OCT-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	99.00	99	1	AQI = 99
PM2.5	Monthly avg	0.00	0	0	
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	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	Peenya Indl Area	
OCT-2017				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	AQI = 103	
PM10	Monthly avg	104.00	103	1		
PM2.5	Monthly avg	49.00	82	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	35.00	44	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	36.00	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	

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

Calculation of AQI

Date			Station	Yeshwanthpura	
OCT-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	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: #92d050; padding: 20px 40px; border: 2px solid black; font-size: 24px; font-weight: bold;">84</div> </div>
PM2.5	Monthly avg	0.00	0		0	
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	36.00	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	Amco Batteries Msore Road	
OCT-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	96.00	96	check		AQI = 96
PM2.5	Monthly avg	46.00	77	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	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	Central Silk Board	
OCT-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	122.00	115	check 1	AQI = <div style="background-color: yellow; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> 115 </div>
PM2.5	Monthly avg	0.00	0	0	
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	37.00	9	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	Victoria Hospital	
OCT-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	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: #92d050; padding: 20px 40px; border: 2px solid black; font-size: 24px; font-weight: bold;">71</div> </div>
PM2.5	Monthly avg	0.00	0	0	
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	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		City		State	
OCT-2017		Indira Gandhi CHC-NIMHANS		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index	
PM10	Monthly avg	77.00	77	check	1	AQI = 77	
PM2.5	Monthly avg	36.00	60		1		
SO2	Monthly avg	2.00	3		1		
NO2	Monthly avg	35.00	44		1		
*CO (mg/m3)	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 Railway Station	
OCT-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	93.00	93	check 1	AQI = <div style="background-color: #76b82a; color: white; padding: 20px; display: inline-block; font-size: 24px; font-weight: bold;">93</div>
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	8.50	11	1	
NO2	Monthly avg	55.40	69	1	
*CO (mg/m3)	Monthly avg	1.63	82	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	Saneguruvanahalli-CAAQM	
OCT-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	44.00	44	check 1	AQI = 44
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.80	4	1	
NO2	Monthly avg	15.50	19	1	
*CO (mg/m3)	Monthly avg	0.57	29	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	
OCT-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	80.00	80	check	AQI = 80	
PM2.5	Monthly avg	0.00	0	1		
SO2	Monthly avg	2.00	3	0		
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	34.00	9	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 OCT-2017			Station TERI -Domlur		
			City Bangalore		
			State Karnataka		
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	110.00	107	check 1	AQI = 107
PM2.5	Monthly avg	51.00	85	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	35.00	44	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

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

Calculation of AQI

Date				Station	Banasawadi Police Station	
OCT-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	77.00	77	check 1	AQI = 77	
PM2.5	Monthly avg	33.00	55	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	23.00	29	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	22.00	6	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	

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

Calculation of AQI

Date				Station	UVCE, KR CIRCLE	
OCT-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	38.00	63		1	
SO2	Monthly avg	2.00	3		1	
NO2	Monthly avg	25.00	31		1	
*CO (mg/m3)	Monthly avg	0.00	0		0	
O3	Monthly avg	0.00	0		0	
NH3	Monthly avg	22.00	6		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 and hence AQI not done.

Calculation of AQI

Date		Station		Swan silk Pvt Ltd, Peenya	
OCT-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	106.00	104	1	<p>check</p> <p>AQI = 104</p>
PM2.5	Monthly avg	51.00	85	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	34.00	43	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	RO, TUMKUR	
OCT-2017			City	TUMKUR	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	110.00	107	check 1	AQI = <div style="background-color: yellow; width: 60px; height: 60px; display: inline-block; border: 2px solid black; margin: 10px 0;"> 107 </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/m^3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	33.00	8	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

Calculation of AQI					
Date			Station	RO, Kolar	
OCT-2017			City	Kolar	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	63.00	63	check 1	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: #92d050; padding: 20px 40px; border: 2px solid black; font-size: 24px; font-weight: bold;">63</div> </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/m ³)	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	

AAQM results for the month of Oct- 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
1	AMCO Batteries,	Oct-17	96	46	BDL	34	38	0.340
2	Central Silk Board, Hosur Road,	Oct-17	122	—*—	BDL	34	37	0.182
3	Indhira Gandhi Children Health Care	Oct-17	77	36	BDL	35	37	0.183
4	ITPL,Whietfield	Oct-17	111	57	BDL	34	35	0.146
5	Mr. Madhachari's House Kazisonnenihalli,	Oct-17	80	—*—	BDL	34	34	0.244
6	Rail Wheel factory, Yelahanka	Oct-17	99	—*—	BDL	33	33	0.084
7	Swan Silk Pvt. Ltd., Peenya	Oct-17	106	51	BDL	34	37	0.175
8	Urban Eco Park, Peenya	Oct-17	104	49	BDL	35	36	0.311
9	Victoria Hospital, K. R. Market	Oct-17	71	—*—	BDL	34	35	0.102
10	Yeswanthapura Police Station	Oct-17	84	—*—	BDL	34	36	0.140
11	Terri Office, Old Air Port Road, Domlur	Oct-17	110	51	BDL	35	35	0.225
12	Banasawadi Police Station	Oct-17	77	33	BDL	23	22	0.045
13	UVCE, K.R Circle	Oct-17	84	38	BDL	25	22	0.229
14	City RailwayStation CAAQM	Oct-17	93.0	*	8.5	55.4	*	*
15	Sanegruvanahalli CAAQM	Oct-17	44.0	*	2.8	15.5	*	*
16	RO Tumkur	Oct-17	110	—*—	BDL	32	33	0.088
17	RO Kolar	Oct-17	63	—*—	BDL	32	34	0.105
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0

Note; * monitoring not done

CO mg/m3
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*
*
1.63
0.57
*
*
2.0