

Calculation of AQI

Date	November-2017	Station	Export promotional park ITPL
		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	121.00	114	1	AQI = 114
PM2.5	Monthly avg	55.00	92	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	34.30	43	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	32.90	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 November-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	70.00	70	check 1	AQI = 70
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	32.10	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	
November-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	89.00	89	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; border: 2px solid black; font-size: 24px; font-weight: bold;">89</div> </div>
PM2.5	Monthly avg	37.80	63	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	33.30	42	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	31.90	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 November-2017	Station City State	Yeshwanthpura Bangalore Karnataka
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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	40.80	68	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	34.40	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	
November-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 81.00	81	check	1		AQI = 81	
PM2.5	Monthly avg 37.40	62		1			
SO2	Monthly avg 2.00	3		1			
NO2	Monthly avg 34.60	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			
* 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	
November-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	146.00	131	check 1	AQI = 131	
PM2.5	Monthly avg	0.00	0	0		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	31.50	39	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	31.80	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 November-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	50.00	50	check 1	AQI = 50
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.90	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	Indira Gandhi CHC-NIMHANS	
November-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	60.00	60	check 1	AQI = 60
PM2.5	Monthly avg	30.30	51	1	
SO ₂	Monthly avg	2.00	3	1	
NO ₂	Monthly avg	31.80	40	1	
*CO (mg/m ³)	Monthly avg	0.00	0	0	
O ₃	Monthly avg	0.00	0	0	
NH ₃	Monthly avg	34.10	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	
November-2017			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	80.00	80	check 1	AQI = 104
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	6.90	9	1	
NO2	Monthly avg	84.30	104	1	
*CO (mg/m ³)	Monthly avg	1.63	82	1	
O3	Monthly avg	1.40	1	1	
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 November-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	44.00	44	check 1	AQI = <div style="background-color: green; color: black; padding: 20px; display: inline-block; font-size: 24px; font-weight: bold;">44</div>
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.30	3	1	
NO2	Monthly avg	20.00	25	1	
*CO (mg/m3)	Monthly avg	0.47	24	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				Station	Kajisonnenahalli	
November-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	70.00	70	check	AQI = 70	
PM2.5	Monthly avg	0.00	0	0		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	30.30	38	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	32.10	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	TERI -Domlur		
November-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	97.00	97	check	1	<div style="border: 2px solid black; background-color: #92d050; padding: 20px; display: inline-block;"> AQI = 97 </div>
PM2.5	Monthly avg	44.00	73		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	32.70	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	November-2017		Station	Banasawadi Police Station	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	79.00	79	check 1	AQI = 79
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	26.90	34	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	20.80	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	
November-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="display: inline-block; background-color: #76b82a; color: white; padding: 20px; border: 2px solid black; font-size: 24px; font-weight: bold;">59</div>	
PM2.5	Monthly avg	28.40	47	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	29.60	37	1		
*CO (mg/m3)	Monthly avg	0.00	0	0		
O3	Monthly avg	0.00	0	0		
NH3	Monthly avg	21.00	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	

Calculation of AQI

Date	November-2017		Station	Swan silk Pvt Ltd, Peenya	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	95.00	95	check 1	AQI = 95
PM2.5	Monthly avg	44.10	74	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.70	40	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	32.50	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 November-2017		Station City State	RO, TUMKUR TUMKUR Karnataka
Pollutants	concentration in µg/m³ (except for CO)	Sub-Index	Air Quality Index
PM10	Monthly avg	108.00	105
PM2.5	Monthly avg	0.00	0
SO2	Monthly avg	2.00	3
NO2	Monthly avg	31.80	40
*CO (mg/m ³)	Monthly avg	0.00	0
O3	Monthly avg	0.00	0
NH3	Monthly avg	31.90	8

check
1
0
1
1
0
0
1

AQI = 105

* 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 November-2017	Station RO, Kolar
	City Kolar
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	68.00	68	1	AQI = 68
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.60	40	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	31.90	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 November- 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,	Nov-17	81	37.4	2.0	34.6	34.0	0.149	*
2	Central Silk Board, Hosur Road,	Nov-17	146	—*—	2.0	31.5	31.8	0.157	*
3	Indhira Gandhi Children Health Care	Nov-17	60	30.3	2.0	31.8	34.1	0.087	*
4	ITPL,Whietfield	Nov-17	121	55.0	2.0	34.3	32.9	0.131	*
5	Mr. Madhachari's House Kazisonnenihalli,	Nov-17	70	—*—	2.0	30.3	32.1	0.167	*
6	Rail Wheel factory, Yelahanka	Nov-17	70	—*—	2.0	31.0	32.1	0.093	*
7	Swan Silk Pvt. Ltd., Peenya	Nov-17	95	44.1	2.0	31.7	32.5	0.153	*
8	Urban Eco Park, Peenya	Nov-17	89	37.8	2.0	33.3	31.9	0.075	*
9	Victoria Hospital, K. R. Market	Nov-17	50	—*—	2.0	31.9	32.0	0.048	*
10	Yeswanthapura Police Station	Nov-17	92	40.8	2.0	34.0	34.4	0.058	*
11	Terri Office, Old Air Port Road, Domlur	Nov-17	97	44.0	2.0	32.0	32.7	0.168	*
12	Banasawadi Police Station	Nov-17	79	—*—	2.0	26.9	20.8	0.133	*
13	UVCE, K.R Circle	Nov-17	59	28.4	2.0	29.6	21.0	0.083	*
14	City RailwayStation CAAQM	Nov-17	80	*	6.9	84.3	*	*	1.4
15	Sanegruvanahalli CAAQM	Nov-17	44	*	2.3	20.0	*	*	0.47
16	RO Tumkur	Nov-17	108	—*—	2.0	31.8	31.9	0.083	*
17	RO Kolar	Nov-17	68	—*—	2.0	31.6	31.9	0.075	*
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0

Note; * monitoring not done