

Calculation of AQI

Date	July-17	Station	Export promotional park ITPL
		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="font-size: 2em; font-weight: bold;">AQI =</div> <div style="display: inline-block; border: 2px solid black; background-color: #76b82a; color: white; padding: 10px 20px; font-size: 2em; font-weight: bold; margin-top: 10px;">89</div>
PM2.5	Monthly avg	31.00	52	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	29.00	36	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	Rail Wheel factory, Yelahanka	
July-17			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	102.00	101	check 1	AQI = 101
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	28.00	35	1	
*CO (mg/m ³)	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 July-17		Station City State	Peenya Indl Area 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	check 0	AQI = <div style="border: 1px solid black; background-color: #ADD8E6; padding: 10px; display: inline-block;"> Atleast 3 inputs* </div>
PM2.5	Monthly avg	0.00	0	0	
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		City		State	
July-17		Yeshwanthpura		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	check	1	AQI = 94	
PM2.5	Monthly avg	47.00	78		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	July-17		Station	Amco Batteries Msore Road	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	68.00	68	check 1	AQI = 68
PM2.5	Monthly avg	32.00	53	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	
* 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 July-17		Station Central Silk Board
		City Bangalore
		State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	126.00	117	check 1	AQI = 117
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	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

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

Calculation of AQI

Date	July-17	Station	Victoria Hospital
		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 55.00	55	1	AQI = 55
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 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 July-17	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	64.00	64	1	AQI = 64
PM2.5	Monthly avg	28.00	47	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	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		City		State	
July-17		City Railway Station		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index		
PM10	Monthly avg	98.30	98	1	AQI = 98		
PM2.5	Monthly avg	0.00	0	0			
SO2	Monthly avg	7.70	10	1			
NO2	Monthly avg	42.20	53	1			
*CO (mg/m3)	Monthly avg	1.20	60	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 July-17	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	46.20	46	1	AQI = 46
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	1.60	2	1	
NO2	Monthly avg	15.30	19	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 July-17	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	60.00	60	1	AQI = 60
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	29.00	36	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	30.00	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
July-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	0.00	0	check 0	<div style="border: 2px solid black; padding: 10px; display: inline-block;"> AQI = 3 inputs* </div>
PM2.5	Monthly avg	43.00	72	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	
<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	July-17		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	0.00	0	check 0	AQI = <div style="border: 1px solid black; padding: 10px; display: inline-block; background-color: #ADD8E6;"> Atleast 3 inputs* </div>
PM2.5	Monthly avg	39.00	65	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	
<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 July-17		Station UVCE, KR CIRCLE	
		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	0.00	0	0	AQI = <div style="border: 1px solid black; padding: 10px; display: inline-block; text-align: center;"> Atleast 3 inputs* </div>
PM2.5	Monthly avg	37.00	62	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	July-17		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	81.00	81	check 1	AQI = <div style="border: 2px solid black; background-color: #90EE90; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center; margin: 10px auto;"> 81 </div>
PM2.5	Monthly avg	37.00	62	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	
CO (mg/m^3)	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	

AAQM results for the month of July- 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,	Jul-17	68.0	32.0	2.0	31.0	34.0	0.193	*
2	Central Silk Board, Hosur Road,	Jul-17	126.0	*	2.0	33.0	37.0	0.070	*
3	Indhira Gandhi Children Health Care	Jul-17	64.0	28.0	2.0	32.0	31.0	0.049	*
4	ITPL, Whietfield	Jul-17	89.0	31.0	2.0	29.0	32.0	0.141	*
5	Mr. Madhachari's House Kazisonnenihall	Jul-17	60.0	*	2.0	29.0	30.0	0.059	*
6	Rail Wheel factory, Yelahanka	Jul-17	102.0	*	2.0	28.0	31.0	0.046	*
7	Swan Silk Pvt. Ltd., Peenya	Jul-17	81.0	37.0	2.0	31.0	35.0	0.025	*
8	Urban Eco Park, Peenya	Jul-17	*	*	*	*	*	*	*
9	Victoria Hospital, K. R. Market	Jul-17	55.0	*	2.0	31.0	33.0	0.087	*
10	Yeswanthapura Police Station	Jul-17	94.0	47.0	2.0	34.0	35.0	0.060	*
11	Terri Office, Old Air Port Road, Domlur	Jul-17	*	43.0	*	*	*	*	*
12	Banasawadi Police Station	Jul-17	*	39.0	*	*	*	*	*
13	UVCE, K.R Circle	Jul-17	*	37.0	*	*	*	*	*
14	City RailwayStation CAAQM	Jul-17	98.3	*	7.7	42.2	*	*	1.2
15	Sanegruvanahalli CAAQM	Jul-17	46.2	*	1.6	15.3	*	*	0.6
16	RO Tumkur	Jul-17	126.0	*	2.0	31.0	33.0	0.075	*
17	RO Kolar	Jul-17	47.0	*	2.0	27.0	31.0	0.064	*
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0