

Calculation of AQI

Date			Station	Export promotional park ITPL		
Apr-2017			City	Bangalore		
			State	Karnataka		
Pollutants		concentration in µg/m3 (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	0.00	0	0	check	AQI = Atleast 3 inputs*
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 received during April-2017 for analysis, hence AQI not done

Calculation of AQI

Date Apr-2017	Station City State	KHB Indl Area,Yelahanka 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	137.00	125	1	AQI = 125
PM2.5	Monthly avg	60.00	100	1	
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	29.00	7	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	
Apr-2017		Peenya Indl Area		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index		
PM10	Monthly avg	101.00	101	1	AQI = 101		
PM2.5	Monthly avg	48.00	80	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	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	Apr-2017		Station	Yeshwanthpura	
			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	100.00	100	check 1	AQI = 100
PM2.5	Monthly avg	40.00	67	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	36.00	45	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	42.00	11	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 Apr-2017	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	75.00	75	check 1	AQI = 75
PM2.5	Monthly avg	39.00	65	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	
Apr-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	<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> AQI = Atleast 3 inputs* </div>	
PM2.5	Monthly avg	0.00	0	0		
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	45.00	11	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 : - 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
Apr-2017		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	80.00	80	1	AQI = 80
PM2.5	Monthly avg	45.00	75	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 Apr-2017			Station City State	Indira Gandhi CHC-NIMHANS Bangalore Karnataka		
Pollutants		concentration in µg/m3 (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	0.00	0	check 0		
PM2.5	Monthly avg	31.00	52	1		
SO2	Monthly avg	2.00	3	1		
NO2	Monthly avg	30.00	38	1	AQI =	52
*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	Apr-2017		Station	City Railway 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	92.66	93	check 1	AQI = <div style="border: 2px solid black; background-color: #92d050; padding: 10px; display: inline-block; font-size: 24px; font-weight: bold;">93</div>
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	6.62	8	1	
NO2	Monthly avg	36.82	46	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	24.19	6	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 Apr-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	52.98	53	check 1	AQI = 53
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.58	3	1	
NO2	Monthly avg	32.71	41	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
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			Station	Kajisonnenahalli	
Apr-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	<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> <p>AQI =</p> <p>Atleast 3 inputs*</p> </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	
<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	Apr-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	141.00	127	check	1	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: yellow; border: 2px solid black; padding: 10px 20px; font-weight: bold; font-size: 1.2em;">127</div> </div>
PM2.5	Monthly avg	64.00	113		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	34.00	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	Banasawadi Police Station	
Apr-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	<div style="border: 2px solid black; padding: 10px; width: fit-content; margin: auto;"> AQI = 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	
<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 Apr-2017		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	84.00	84	1	AQI = 84
PM2.5	Monthly avg	41.00	68	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	21.00	26	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

Calculation of AQI

Date		Station		City		State	
Apr-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	115.00	110	1	AQI = 110		
PM2.5	Monthly avg	54.00	90	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	
Apr-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	132.00	121	1	AQI = 121		
PM2.5	Monthly avg	56.00	93	1			
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	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		City		State	
Apr-2017		RO, KOLAR		KOLAR		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index		
PM10	Monthly avg	69.00	69	1	AQI = 69		
PM2.5	Monthly avg	32.00	53	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	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		

AAQM results for the month of April- 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,	Apr-17	75.0	35.0	BDL	34.0	38.0	0.1	*
2	Central Silk Board, Hosur Road,	Apr-17	*	*	*	35.0	45.0	*	*
3	Indhira Gandhi Children Health Care	Apr-17	*	31.0	*	30.0	37.0	*	*
4	ITPL, Whietfield	Apr-17	*	*	*	*	*	*	*
5	Mr. Madhachari's House Kazisonnenihall	Apr-17	*	*	*	*	*	*	*
6	KHB Ind. Area, Yelahanka	Apr-17	137.0	60.0	*	26.0	29.0	0.3	*
7	Swan Silk Pvt. Ltd., Peenya	Apr-17	115.0	54.0	*	32.0	37.0	0.1	*
8	Urban Eco Park, Peenya	Apr-17	101.0	48.0	*	31.0	36.0	0.1	*
9	Victoria Hospital, K. R. Market	Apr-17	80.0	45.0	*	32.0	38.0	0.0	*
10	Yeswanthapura Police Station	Apr-17	100.0	40.0	*	36.0	42.0	0.0	*
11	Terri Office, Old Air Port Road, Domlur	Apr-17	141.0	64.0	*	34.0	34.0	0.1	*
12	Banasawadi Police Station	Apr-17	*	*	*	*	*	*	*
13	UVCE, K.R Circle	Apr-17	84.0	41.0	*	21.0	22.0	0.1	*
14	City RailwayStation CAAQM	Apr-17	92.7	*	6.6	36.8	24.2	*	0.9
15	Sanegruvanahalli CAAQM	Apr-17	53.0	*	2.6	32.7	20.8	*	0.5
16	RO Tumkur	Apr-17	132.0	56.0	*	28.0	32.0	0.1	*
17	RO Kolar	Apr-17	69.0	*	*	32.0	31.0	0.0	*
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0