

Calculation of AQI

Date				Station	Export promotional park ITPL	
May-2018				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$	Sub-Index		Air Quality Index	
PM10	Monthly avg	146.00	131	check	AQI = 131	
PM2.5	Monthly avg	44.00	73	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	22.00	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 May-2018	Station Rail Wheel factory, Yelahanka
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		
PM10	Monthly avg	101.00	101	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: 20px 40px; font-size: 24px; font-weight: bold;">101</div> </div>
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	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	Yeshwanthpura	
May-2018				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 =	<div style="background-color: #92d050; width: 60px; height: 60px; display: flex; align-items: center; justify-content: center; margin: 0 auto;">68</div>
PM2.5	Monthly avg	33.00	55	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	22.00	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				Station	Amco Batteries Mysore Road	
May-2018				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	88.00	88	check		<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: #90ee90; padding: 20px; border: 2px solid black; font-size: 24px; font-weight: bold;">88</div> </div>
PM2.5	Monthly avg	36.00	60	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	22.00	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			Station	Central Silk Board	
May-2018			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	125.00	117	check 1	AQI = 117
PM2.5	Monthly avg	0.00	0	0	
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	23.00	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 for analysis, and AQI not done

Calculation of AQI

Date			Station	Victoria Hospital	
May-2018			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	53.00	53	check 1	<div style="border: 2px solid black; padding: 10px; display: inline-block;"> AQI = 53 </div>
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	30.00	38	1	
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	22.00	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		Station			
May-2018		City	Indira Gandhi CHC-NIMHANS		
		State	Bangalore		
			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 = <div style="background-color: #90EE90; border: 2px solid black; padding: 10px; display: inline-block; font-size: 24px; font-weight: bold;">50</div>
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	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			Station	City Railway Station	
May-2018			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	108.16	105	check 1	AQI = 105
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	6.05	8	1	
NO2	Monthly avg	29.03	36	1	
*CO (mg/m3)	Monthly avg	1.48	74	1	
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	

Calculation of AQI

Date May-2018	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 64.39	64	check	1	AQI = 64
PM2.5	Monthly avg 0.00	0		0	
SO2	Monthly avg 2.90	4		1	
NO2	Monthly avg 21.54	27		1	
*CO (mg/m3)	Monthly avg 0.89	45		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	
May-2018				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in µg/m3 (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	83.00	83	check		AQI = 83
PM2.5	Monthly avg	0.00	0	1		
SO2	Monthly avg	2.00	3	0		
NO2	Monthly avg	30.00	38	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	

Calculation of AQI

Date			Station	TERI -Domlur	
May-2018			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	<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;">95</div> </div>
PM2.5	Monthly avg	44.00	73	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	22.00	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

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

Calculation of AQI

Date				Station	Banasawadi Police Station	
May-2018				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	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	21.00	5	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	
May-2018				City	Bangalore	
				State	Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Monthly avg	60.00	60	check		AQI = 60
PM2.5	Monthly avg	0.00	0	1		
SO2	Monthly avg	2.00	3	0		
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	19.00	5	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

Calculation of AQI					
Date			Station	Swan silk Pvt Ltd, Peenya	
May-2018			City	Bangalore	
			State	Karnataka	
Pollutants		concentration in µg/m³ (except for CO)	Sub-Index		Air Quality Index
PM10	Monthly avg	87.00	87	check 1	<div style="display: flex; align-items: center; justify-content: center;"> <div style="margin-right: 10px;">AQI =</div> <div style="background-color: #92d050; border: 2px solid black; padding: 20px 40px; font-size: 24px; font-weight: bold;">87</div> </div>
PM2.5	Monthly avg	0.00	0	0	
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	22.00	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	

AAQM results for the month of May-2018										
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	AQI
1	AMCO Batteries,	May-18	88.0	36.0	2.0	31.0	22.0	0.158	*	88.0
2	Central Silk Board, Hosur Road,	May-18	125.0	*	2.0	31.0	23.0	0.091	*	117.0
3	Indhira Gandhi Children Health Care	May-18	50.0	*	2.0	31.0	21.0	0.029	*	50.0
4	ITPL,Whietfield	May-18	146.0	44.0	2.0	31.0	22.0	0.131	*	131.0
5	Mr. Madhachari's House Kazisonnenihalli,	May-18	83.0	0.0	2.0	30.0	20.0	0.129	*	83.0
6	Rail Wheel factory, Yelahanka	May-18	101.0	0.0	2.0	31.0	22.0	0.075	*	101.0
7	Swan Silk Pvt. Ltd., Peenya	May-18	87.0	0.0	2.0	31.0	22.0	0.095	*	87.0
8	Victoria Hospital, K. R. Market	May-18	53.0	0.0	2.0	30.0	22.0	0.031	*	53.0
9	Yeshwanthapura Police Station	May-18	68.0	33.0	2.0	31.0	22.0	0.052	*	68.0
10	Terri Office, Old Air Port Road, Domlur	May-18	95.0	44.0	2.0	31.0	22.0	0.052	*	95.0
11	Banasawadi Police Station	May-18	69.0	*	2.0	31.0	21.0	0.045	*	69.0
12	UVCE, K.R Circle	May-18	60.0	*	2.0	31.0	19.0	0.040	*	60.0
13	City RailwayStation CAAQM	May-18	108.2	*	6.1	29.0	0.0	0.000	1.5	105.0
14	Sanegruvanahalli CAAQM	May-18	64.4	*	2.9	21.5	0.0	0.000	0.89	64.0
Standards (24 hrs Time Weighted Average)			100.0	60.0	80.0	80.0	400.0	1.0	2.0	

Note; * monitoring not done