

Status of of Ambient air quality in Bangalore during the year 2015-16

Sl. No.	Name of the Station	SO2 µg/m3	NO2 µg/m3	RSPM µg/m3	PM 2.5 µg/m3	NH3 µg/m3	lead (Pb) µg/m3
1	Export promotional Park ITPL	3.8	21.1	189.0	80.0	19.0	0.046
2	K.H.B Industrial Area	3.6	15.5	109.0	*	14.0	0.080
3	Peenya Industrial Area - RO	3.9	20.2	127.0	69.0	25.0	0.091
4	Swan Silk Peenya Indl Area	2.0	36.0	117.0	66.0	30.0	0.056
5	Yeshwanthpura Police Station	3.6	22.6	105.0	49.0	21.0	0.040
6	Amco Batteries	4.0	20.2	119.0	57.0	20.0	0.018
7	Central Silk Board	3.9	21.1	165.0	*	28.0	0.059
8	DTDC House	3.7	17.5	135.0	*	14.0	0.061
9	CAAQM City Railway Station	9.0	45.6	104.0	*	*	*
10	CAAQM S.G.Halli	3.7	25.7	72.0	*	*	*
11	Kajisonnenahalli	3.6	12.6	75.0	*	13.0	0.088
12	Victoria Hospital	4.0	23.0	102.0	60.0	24.0	0.038
13	Indira Gandhi Children Care	3.8	17.5	113.0	35.0	16.0	0.069
	Standards	50.0	40.0	60.0	40.0	100.0	0.500

Calculation of AQI

Date 2015-16	Station City State	Export promotional park ITPL Bangalore Karnataka
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Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index		Air Quality Index
PM10	Yearly avg	189.00	159	check 1	AQI = 167
PM2.5	Yearly avg	80.00	167	1	
SO2	Yearly avg	3.80	5	1	
NO2	Yearly avg	21.10	26	1	
*CO (mg/m3)	Yearly avg	0.00	0	0	
O3	Yearly avg	0.00	0	0	
NH3	Yearly avg	19.00	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 2015-16	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		Air Quality Index
PM10	yearly avg	109.00	106	check 1	AQI = 106
PM2.5	yearly avg	0.00	0	0	
SO2	yearly avg	3.60	5	1	
NO2	yearly avg	15.50	19	1	
*CO (mg/m3)	yearly avg	0.00	0	0	
O3	yearly avg	0.00	0	0	
NH3	yearly avg	14.00	4	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 2015-16	Station Peenya Indl Area
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	yearly avg	127.00	118	1	AQI = 130
PM2.5	yearly avg	69.00	130	1	
SO2	yearly avg	3.90	5	1	
NO2	yearly avg	20.20	25	1	
*CO (mg/m3)	yearly avg	0.00	0	0	
O3	yearly avg	0.00	0	0	
NH3	yearly avg	25.00	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 2015-16	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	Yearly avg	105.00	103	1	AQI = 103
PM2.5	Yearly avg	49.00	82	1	
SO2	Yearly avg	3.60	5	1	
NO2	Yearly avg	22.60	28	1	
*CO (mg/m3)	Yearly avg	0.00	0	0	
O3	Yearly avg	0.00	0	0	
NH3	Yearly avg	21.00	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

2015-16

Station

Inco Batteries Msore Road

City

Bangalore

State

Karnataka

Pollutants

concentration in
 $\mu\text{g}/\text{m}^3$
(except for CO)

Sub-Index

Air Quality
Index

Pollutants	Yearly avg	concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check
PM10	Yearly avg	119.00	113	1
PM2.5	Yearly avg	57.00	95	1
SO2	Yearly avg	4.00	5	1
NO2	Yearly avg	20.20	25	1
*CO (mg/m^3)	Yearly avg	0.00	0	0
O3	Yearly avg	0.00	0	0
NH3	Yearly avg	20.00	5	1

AQI =

113

* 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 2015-16	Station Central Silk Board
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Yearly avg	165.00	143	1	AQI = 143
PM2.5	Yearly avg	0.00	0	0	
SO2	Yearly avg	3.90	5	1	
NO2	Yearly avg	21.10	26	1	
*CO (mg/m3)	Yearly avg	0.00	0	0	
O3	Yearly avg	0.00	0	0	
NH3	Yearly avg	28.00	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	DTDC House, Victoria Road
2015-16		City	Bangalore
		State	Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Yearly avg	135.00	123	check		<div style="font-size: 2em; font-weight: bold;">AQI =</div> <div style="font-size: 3em; font-weight: bold; background-color: yellow; padding: 10px; display: inline-block;">123</div>
PM2.5	Yearly avg	0.00	0	0		
SO2	Yearly avg	3.70	5	1		
NO2	Yearly avg	17.50	22	1		
*CO (mg/m^3)	Yearly avg	0.00	0	0		
O3	Yearly avg	0.00	0	0		
NH3	Yearly avg	14.00	4	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	Victoria Hospital
2015-16		City	Bangalore
		State	Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Yearly avg	102.00	101	1	AQI = 101
PM2.5	Yearly avg	60.00	100	1	
SO2	Yearly avg	4.00	5	1	
NO2	Yearly avg	23.00	29	1	
*CO (mg/m^3)	Yearly avg	0.00	0	0	
O3	Yearly avg	0.00	0	0	
NH3	Yearly avg	24.00	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	Indira Gandhi CHC-NIMHANS
2015-16		City	Delhi
		State	Delhi

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Yearly avg	113.00	109	1	AQI = 109
PM2.5	Yearly avg	35.00	58	1	
SO2	Yearly avg	3.80	5	1	
NO2	Yearly avg	17.50	22	1	
*CO (mg/m3)	Yearly avg	0.00	0	0	
O3	Yearly avg	0.00	0	0	
NH3	Yearly avg	16.00	4	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 2015-16	Station City Railway Station
	City Bangalore
	State Karnataka

Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index	check	Air Quality Index
PM10	Yearly avg	104.00	103	1	AQI = 103
PM2.5	Yearly avg	0.00	0	0	
SO2	Yearly avg	9.00	11	1	
NO2	Yearly avg	45.60	57	1	
*CO (mg/m3)	Yearly avg	1.20	60	1	
O3	Yearly avg	0.00	0	0	
NH3	Yearly 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

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Calculation of AQI

Date		Station		City		State	
2015-16		Saneguruvanahalli-CAAQM		Bangalore		Karnataka	
Pollutants		concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index	
PM10	Yearly avg	72.00	72	check	1	AQI = 72	
PM2.5	Yearly avg	0.00	0		0		
SO2	Yearly avg	3.70	5		1		
NO2	Yearly avg	25.70	32		1		
*CO (mg/m^3)	Yearly avg	0.75	38		1		
O3	Yearly avg	0.00	0		0		
NH3	Yearly 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	Kajissonnenahalli	
2015-16			City	Bangalore	
			State	Karnataka	
Pollutants	concentration in $\mu\text{g}/\text{m}^3$ (except for CO)	Sub-Index			Air Quality Index
PM10	Yearly avg	75.00	75	check 1	AQI = 75
PM2.5	Yearly avg	0.00	0	0	
SO2	Yearly avg	3.60	5	1	
NO2	Yearly avg	12.60	16	1	
*CO (mg/m3)	Yearly avg	0.00	0	0	
O3	Yearly avg	0.00	0	0	
NH3	Yearly avg	13.00	3	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
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Moderate (101–200)	Breathing discomfort to the people with lung, heart disease, children and older adults			Severe (>401)	Respiratory effects even on healthy people