Calculation of AQI

Date	Station	Export promotional park ITPL
April-2018	City	Bangalore
	State	Karnataka

Pollutants		concentration in µg/m3	Sub-Index	check	Air Quality Index
PM10	Monthly avg	164.00	143	1	
PM2.5	Monthly avg	54.00	90	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	AQI = 143
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly 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	Rail Wheel factory,Yelahanka
April-2018	City	Bangalore
	State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check
PM10	Monthly avg	140.00	127	1
PM2.5	Monthly avg	0.00	0	0
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	25.00	6	1

Air Quality Index

AQI = 127

* 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
April-2018		City	Bangalore
		State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	144.00	129	1	
PM2.5	Monthly avg	57.00	95	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	AQI = 129
*CO (mg/m3)	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

Calculation of AQI

Date		Station	Amco Batteries Mysore Road
April-2018		City	Bangalore
		State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	85.00	85	1	
PM2.5	Monthly avg	41.00	68	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	31.00	39	1	AQI = 85
*CO (mg/m3)	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

Calculation of AQI

Date		Station	Central Silk Board
April-2018		City	Bangalore
		State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	134.00	123	1	
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	33.00	41	1	AQI = 123
*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

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

Calculation of AQI

Date		Station	Victoria Hospital
April-2018		City	Bangalore
		State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	65.00	65	1	
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	AQI = 65
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly 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
April-2018	City	Bangalore
	State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check
PM10	Monthly avg	64.00	64	1
PM2.5	Monthly avg	0.00	0	0
SO2	Monthly avg	2.00	3	1
NO2	Monthly avg	37.00	46	1
*CO (mg/m3)	Monthly avg	0.00	0	0
O3	Monthly avg	0.00	0	0
NH3	Monthly avg	23.00	6	1

Air Quality Index

AQI = **64**

* 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
April-2018			City	Bangalore
			State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	134.29	123	1	
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	5.88	7	1	
NO2	Monthly avg	55.28	69	1	AQI = 123
*CO (mg/m3)	Monthly avg	1.39	70	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	Saneguruvanahalli-CAAQM
April-2018	City	Bangalore
	State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	78.15	78	1	
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	3.12	4	1	
NO2	Monthly avg	27.44	34	1	AQI = 78
*CO (mg/m3)	Monthly avg	0.84	42	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
April-2018		City	Bangalore
		State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	104.00	103	1	
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	AQI = 103
*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	TERI -Domlur
April-2018			City	Bangalore
			State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	78.00	78	1	
PM2.5	Monthly avg	38.00	63	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	33.00	41	1	AQI = 78
*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

Note: Samples were not recieved and hence AQI not done

Calculation of AQI

Date			Station	Banasawadi Police Station
April-2018			City	Bangalore
			State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	68.00	68	1	
PM2.5	Monthly avg	0.00	0	0	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	29.00	36	1	AQI = 68
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly avg	15.00	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

Note: Samples were not recieved and hence AQI not done

Calculation of AQI

Date			Station	UVCE, KR CIRCLE
April-2018			City	Bangalore
			State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	127.00	118	1	
PM2.5	Monthly avg	61.00	103	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	27.00	34	1	AQI = 118
*CO (mg/m3)	Monthly avg	0.00	0	0	
O3	Monthly avg	0.00	0	0	
NH3	Monthly 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

Note: Samples were not recieved and hence AQI not done

Calculation of AQI

Date		Station	Swan silk Pvt Ltd, Peenya
April-2018		City	Bangalore
		State	Karnataka

Pollutants		concentration in µg/m3 (except for CO)	Sub-Index	check	Air Quality Index
PM10	Monthly avg	107.00	105	1	
PM2.5	Monthly avg	51.00	85	1	
SO2	Monthly avg	2.00	3	1	
NO2	Monthly avg	32.00	40	1	AQI = 105
*CO (mg/m3)	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

AAQM results for the month of April- 2018										
Sl. No.	Name of the Monitoring Station	Date of Monitoring	(24 hrs Time Weighted Average)							
			PM_{10} $\mu g/m^3$	$PM_{2.5}$ $\mu g/m^3$	SO_2 $\mu g/m^3$	NO_2 $\mu g/m^3$	NH_3 $\mu g/m^3$	Pb $\mu g/m^3$	CO mg/m3	AQI
1	AMCO Batteries,	Apr-18	85.0	41.0	2.0	31.0	23.0	0.106	*	85.0
2	Central Silk Board, Hosur Road,	Apr-18	134.0	*	2.0	33.0	35.0	0.112	*	123.0
3	Indhira Gandhi Children Health Care	Apr-18	64.0	*	2.0	37.0	23.0	0.020	*	64.0
4	ITPL,Whietfield	Apr-18	164.0	54.0	2.0	32.0	24.0	0.139	*	143.0
5	Mr. Madhachari's House Kazisonnenihalli,	Apr-18	104.0	*	2.0	32.0	22.0	0.435	*	103.0
6	Rail Wheel factory, Yelahanka	Apr-18	140.0	*	2.0	32.0	25.0	0.029	*	127.0
7	Swan Silk Pvt. Ltd., Peenya	Apr-18	107.0	51.0	2.0	32.0	23.0	0.037	*	105.0
8	Victoria Hospital, K. R. Market	Apr-18	65.0	*	2.0	32.0	24.0	0.022	*	65.0
9	Yeshwanthapura Police Station	Apr-18	144.0	57.0	2.0	31.0	23.0	0.032	*	129.0
10	Terri Office, Old Air Port Road, Domlur	Apr-18	78.0	38.0	2.0	33.0	30.0	0.046	*	78.0
11	Banasawadi Police Station	Apr-18	68.0	*	2.0	29.0	15.0	0.020	*	68.0
12	UVCE, K.R Circle	Apr-18	127.0	61.0	2.0	27.0	14.0	0.105	*	118.0
13	City RailwayStation CAAQM	Apr-18	134.3	*	5.9	55.3	*	*	1.4	123.0
14	Sanegruvanahalli CAAQM	Apr-18	78.2	*	3.1	27.4	*	*	0.84	78.0
	Standards (24 hrs Time Weighted Average)		**100.0**	**60.0**	**80.0**	**80.0**	**400.0**	**1.0**	**2.0**	
	Note; * monitoring not done									