



KARNATAKA STATE POLLUTION CONTROL BOARD

No.49, Parisara Bhavan, Church Street, Bengaluru-560 001.

Air Quality Monitoring Cell

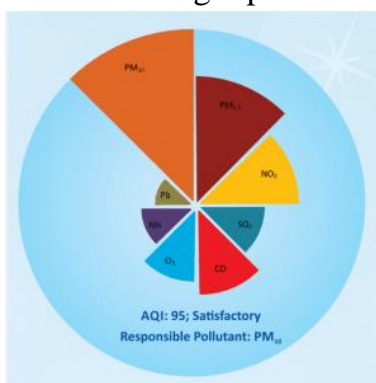
Air Quality Index of Manual Ambient Air Quality Monitoring Stations in Karnataka other than Bengaluru city for the month of –July-2022 to October-2022

Air Quality Index-(AQI)

Air Quality Index is a tool for effective communication of air quality status to people in terms, which are easy to understand. It transforms complex air quality data of various pollutants into a single number (index value), nomenclature and colour.

There are six AQI categories, namely Good, Satisfactory, Moderate, Poor, Very Poor, and Severe. Each of these categories is decided based on ambient concentration values of air pollutants and their likely health impacts (known as health breakpoints). AQ sub-index and health breakpoints are evolved for eight pollutants (PM₁₀, PM_{2.5}, NO₂, SO₂, CO, O₃, NH₃, and Pb) for which short-term (upto 24-hours) National Ambient Air Quality Standards are prescribed.

Based on the measured ambient concentrations of a pollutant, sub-index is calculated, which is a linear function of concentration (e.g. the sub-index for PM_{2.5} will be 51 at concentration 31 µg/m³, 100 at concentration 60 µg/m³, and 75 at concentration of 45(µg/m³). The worst sub-index determines the overall AQI. AQI categories and health breakpoints for the eight pollutants are as follow:



The Karnataka State Pollution Control Board has installed 22 Manual Air Quality Monitoring Stations under National Air Quality Monitoring Programme(NAMP) covering Residential, Commercial, Mixed and Silence Zones. As per the Central Pollution Control Board guidelines, ambient air quality monitoring is being carried out manually twice a week, 24 hours a day for the Primary and secondary pollutants as well as Meteorological parameters covering **104** measurements in a year per station.

The Air Quality monitored during the month of July-2022 is as shown below:

Air Quality Index (AQI) of Manual Ambient Air Quality Monitoring Stations in Karnataka other than Bengaluru City for the month of July-2022				
SI No	Name of the Monitoring Stations	Index Value	Category	Prominent Pollutant
1	KSRTC, Building, K. R. Circle, Mysuru	45	Good	PM ₁₀
2	KSPCB Office Premises, Mysuru	41	Good	PM ₁₀
3	KSPCB Office Premises, Mandya	37	Good	PM ₁₀
4	KSPCB Office Premises, Kodagu	26	Good	PM _{2.5}
5	KSPCB Office Premises, C.R.Nagara	42	Good	PM ₁₀
6	KSPCB Office Premises, Hassan	38	Good	PM ₁₀
7	Baikampady Indl. Area, Mangaluru	62	Satisfactory	PM ₁₀
8	Gokul Road. Opp. to New Bustand, Hubballi	54	Satisfactory	PM ₁₀
9	Lakkamanahalli Indl Area, Dharwad	42	Good	PM ₁₀
10	Karwar Port, Director's Office, Karwar	*	*	*
11	Traffic Police Station, Davangere	67	Satisfactory	PM ₁₀
12	KSPCB Office Premises, Davangere	41	Good	PM ₁₀
13	HPF Intake Well, Kumarapatnam,	58	Satisfactory	PM ₁₀
14	Vishveshwariah Iron & Steel Ltd., Bhadravathi	16	Good	PM ₁₀
15	KSPCB Office Premises, Chitradurga	30	Good	PM ₁₀
16	KSPCB Office Premises, Belagavi	37	Good	PM ₁₀
17	KSPCB Office Premises, Vijyapura	38	Good	PM ₁₀
18	KSPCB Office Premises, Bagalkote	57	Satisfactory	PM ₁₀
19	KSPCB Office Premises, Ballari	52	Satisfactory	PM ₁₀
20	KSPCB Office Premises, Kalburagi	33	Good	PM ₁₀

21	KSPCB Office Premises, Raichur	*	*	*
22	KSPCB Office Premises, Bidar	32	Good	PM ₁₀
-* - Monitoring not done				

The Air Quality monitored during the month of August-2022 is as shown below:

Air Quality Index (AQI) of Manual Ambient Air Quality Monitoring Stations in Karnataka other than Bengaluru City for the month of August-2022				
SI No	Name of the Monitoring Stations	Index Value	Category	Prominent Pollutant
1	KSRTC, Building, K. R. Circle, Mysuru	43	Good	PM ₁₀
2	KSPCB Office Premises, Mysuru	40	Good	PM ₁₀
3	KSPCB Office Premises, Mandya	36	Good	PM ₁₀
4	KSPCB Office Premises, Kodagu	*	*	*
5	KSPCB Office Premises, C.R.Nagara	41	Good	PM ₁₀
6	KSPCB Office Premises, Hassan	38	Good	PM ₁₀
7	Baikampady Indl. Area, Mangaluru	44	Good	PM ₁₀
8	Gokul Road. Opp. to New Bustand, Hubballi	57	Satisfactory	PM ₁₀
9	Lakkamanahalli Indl Area, Dharwad	45	Good	PM ₁₀
10	Karwar Port, Director's Office, Karwar	*	*	*
11	Traffic Police Station, Davangere	79	Satisfactory	PM ₁₀
12	KSPCB Office Premises, Davangere	41	Good	PM ₁₀
13	HPF Intake Well, Kumarapatnam,	52	Satisfactory	PM ₁₀
14	Vishveshwariah Iron & Steel Ltd., Bhadravathi	14	Good	PM ₁₀
15	KSPCB Office Premises, Chitradurga	28	Good	PM ₁₀
16	KSPCB Office Premises, Belagavi	35	Good	PM ₁₀
17	KSPCB Office Premises, Vijyapura	38	Good	PM ₁₀

18	KSPCB Office Premises, Bagalkote	43	Good	PM ₁₀
19	KSPCB Office Premises, Ballari	55	Satisfactory	PM ₁₀
20	KSPCB Office Premises, Kalburagi	32	Good	PM ₁₀
21	KSPCB Office Premises, Raichur	*	*	*
22	KSPCB Office Premises, Bidar	21	Good	PM ₁₀
-* - Monitoring not done				

The Air Quality monitored during the month of September-2022 is as shown below:

Air Quality Index (AQI) of Manual Ambient Air Quality Monitoring Stations in Karnataka other than Bengaluru City for the month of September-2022				
Sl No	Name of the Monitoring Stations	Index Value	Category	Prominent Pollutant
1	KSRTC, Building, K. R. Circle, Mysuru	45	Good	PM ₁₀
2	KSPCB Office Premises, Mysuru	42	Good	PM ₁₀
3	KSPCB Office Premises, Mandya	36	Good	PM ₁₀
4	KSPCB Office Premises, Kodagu	*	*	*
5	KSPCB Office Premises, C.R.Nagara	35	Good	PM ₁₀
6	KSPCB Office Premises, Hassan	44	Good	PM ₁₀
7	Baikampady Indl. Area, Mangaluru	43	Good	PM _{2.5}
8	Gokul Road. Opp. to New Bustand, Hubballi	61	Satisfactory	PM ₁₀
9	Lakkamanahalli Indl Area, Dharwad	49	Good	PM ₁₀
10	Karwar Port, Director's Office, Karwar	*	*	*
11	Traffic Police Station, Davangere	85	Satisfactory	PM ₁₀
12	KSPCB Office Premises, Davangere	35	Good	PM ₁₀
13	HPF Intake Well, Kumarapatnam,	43	Good	PM ₁₀
14	Vishveshwariah Iron & Steel Ltd., Bhadravathi	21	Good	PM ₁₀

15	KSPCB Office Premises, Chitradurga	28	Good	PM ₁₀
16	KSPCB Office Premises, Belagavi	38	Good	PM ₁₀
17	KSPCB Office Premises, Vijayapura	38	Good	PM ₁₀
18	KSPCB Office Premises, Bagalkote	53	Satisfactory	PM ₁₀
19	KSPCB Office Premises, Ballari	58	Satisfactory	PM ₁₀
20	KSPCB Office Premises, Kalburagi	32	Good	PM _{2.5}
21	KSPCB Office Premises, Raichur	*	*	*
22	KSPCB Office Premises, Bidar	20	Good	PM ₁₀
-* - Monitoring not done				

The Air Quality monitored during the month of October-2022 is as shown below:

Air Quality Index (AQI) of Manual Ambient Air Quality Monitoring Stations in Karnataka other than Bengaluru City for the month of October-2022				
SI No	Name of the Monitoring Stations	Index Value	Category	Prominent Pollutant
1	KSRTC, Building, K. R. Circle, Mysuru	52	Satisfactory	PM ₁₀
2	KSPCB Office Premises, Mysuru	49	Good	PM ₁₀
3	KSPCB Office Premises, Mandya	40	Good	PM ₁₀
4	KSPCB Office Premises, Kodagu	24	Good	PM ₁₀
5	KSPCB Office Premises, C.R.Nagara	48	Good	PM ₁₀
6	KSPCB Office Premises, Hassan	43	Good	PM ₁₀
7	Baikampady Indl. Area, Mangaluru	45	Good	PM ₁₀
8	Gokul Road. Opp. to New Bustand, Hubballi	72	Satisfactory	PM ₁₀
9	Lakkamanahalli Indl Area, Dharwad	54	Satisfactory	PM ₁₀
10	Karwar Port, Director's Office, Karwar	*	*	*
11	Traffic Police Station, Davangere	101	Moderate	PM ₁₀

12	KSPCB Office Premises, Davangere	101	Moderate	PM ₁₀
13	HPF Intake Well, Kumarapatnam,	57	Satisfactory	PM ₁₀
14	Vishveshwariah Iron & Steel Ltd., Bhadravathi	17	Good	PM ₁₀
15	KSPCB Office Premises, Chitradurga	38	Good	PM ₁₀
16	KSPCB Office Premises, Belagavi	40	Good	PM ₁₀
17	KSPCB Office Premises, Vijyapura	52	Satisfactory	PM ₁₀
18	KSPCB Office Premises, Bagalkote	50	Good	PM ₁₀
19	KSPCB Office Premises, Ballari	62	Satisfactory	PM ₁₀
20	KSPCB Office Premises, Kalburagi	68	Satisfactory	PM ₁₀
21	KSPCB Office Premises, Raichur	*	*	*
22	KSPCB Office Premises, Bidar	48	Good	PM ₁₀
-* - Monitoring not done				

Category (Range)	Possible Health Impacts	Category (Range)	Possible Health Impacts
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

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