MONTHLY AAQM DATA ALONG WITH AQI FOR 17 NAMP STATION

JULY 2026

About National Air Quality Index

1. 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 color.

2. There are six AQI categories, namely Good, Satisfactory, Moderately polluted, 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, PM2.5, NO2, SO2, CO, O3, NH3, and Pb) for which short-term (up to 24-hours) National Ambient Air Quality Standards are prescribed.

3. 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 PM2.5 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:

Table 1 : AQI Category, Pollutants and Health Breakpoints

AQI Category (Range)	PM_{10} 24-hr	$PM_{2.5}$ 24-hr	NO_2 24-hr	O_3 8-hr	CO 8-hr (mg/m^3)	SO_2 24-hr	NH_3 24-hr	Pb 24-hr
Good (0-50)	**0-50**	**0-30**	**0-40**	**0-50**	**0-1.0**	**0-40**	**0-200**	**0-0.5**
Satisfactory (51-100)	**51-100**	**31-60**	**41-80**	**51-100**	**1.1-2.0**	**41-80**	**201-400**	**0.5 –1.0**
Moderate (101-200)	**101-250**	**61-90**	**81-180**	**101-168**	**2.1- 10**	**81-380**	**401-800**	**1.1-2.0**
Poor (201-300)	**251-350**	**91-120**	**181-280**	**169-208**	**10-17**	**381-800**	**801-1200**	**2.1-3.0**
Very poor (301-400)	**351-430**	**121-250**	**281-400**	**209-748***	**17-34**	**801-1600**	**1200-1800**	**3.1-3.5**
Severe (401-500)	**430 +**	**250+**	**400+**	**748+***	**34+**	**1600+**	**1800+**	**3.5+**

Table 2: AQI : Associated Health Impacts

AQI	Associated Health Impacts
Severe (401-500)	SEVERE : May cause respiratory effects even on healthy people and serious health effect on people with lung/heart diseases
Very Poor (301–400)	VERY-POOR: May cause respiratory illness to the people on prolonged exposure. Effect may be more pronounced in people with lung and heart diseases
Poor (201–300)	POOR : May cause breathing discomfort to people on prolonged exposure and discomfort to people with heart disease
Moderate (101–200)	MODERATE : May cause breathing discomfort to the people with lung disease such as asthma and discomfort to people with heart disease Children and older adults
Satisfactory (51–100)	SATISFACTORY : May cause minor breathing discomfort to sensitive people
Good (0–50)	GOOD : Minimal impact

Station: Near Old GSPCB office				**City :Panaji**			
Duration:- July- 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3 (except for *CO which is in mg/m3)**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	03-07-2026	59	25	7	19	**59**	Satisfactory
2	07-07-2026	71	33	9	21	**71**	Satisfactory
3	10-07-2026	49	22	6	16	**49**	Good
4	14-07-2026	63	28	8	19	**63**	Satisfactory
5	17-07-2026	52	23	9	22	**52**	Satisfactory
6	21-07-2026	48	20	6	18	**48**	Good
7	24-07-2026	59	28	8	21	**59**	Satisfactory
8	28-07-2026	45	20	5	17	**45**	Good
9	31-07-2026	57	26	7	18	**57**	Satisfactory

Station: Above Municipality toilet, Chacha Nehru Park, Mapusa							**City :Mapusa**
Duration:-July - 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3 (except for *CO which is in mg/m3)**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	03-07-2026	78	35	9	22	**78**	Satisfactory
2	07-07-2026	65	30	10	24	**65**	Satisfactory
3	10-07-2026	83	37	13	19	**83**	Satisfactory
4	14-07-2026	70	31	9	21	**70**	Satisfactory
5	17-07-2026	67	29	7	17	**67**	Satisfactory
6	21-07-2026	89	40	12	24	**89**	Satisfactory
7	24-07-2026	63	26	9	18	**63**	Satisfactory
8	28-07-2026	81	38	13	22	**81**	Satisfactory
9	31-07-2026	75	34	11	20	**75**	Satisfactory

Station: Fuse Call Office				**City: Vasco**				
Duration:- July-2026								
Sr.No		**Time Weighted Average (TWA)**					**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3**						
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**	**NH_3**		
1	01-07-2026	34	19	2	11	24	**34**	Good
2	03-07-2026	43	17	6	5	12	**43**	Good
3	08-07-2026	71	32	2	5	10	**71**	Satisfactory
4	10-07-2026	40	19	2	5	10	**40**	Good
5	15-07-2026	57	11	4	5	10	**57**	Satisfactory
6	17-07-2026	22	18	2	5	10	**30**	Good
7	22-07-2026	47	9	6	5	26	**47**	Good
8	24-07-2026	46	4	2	5	10	**46**	Good
9	29-07-2026	72	18	2	5	10	**72**	Satisfactory
10	31-07-2026	46	5	2	5	10	**46**	Good

Station: Roof top of Municipal market						**City: Ponda**	
Duration:-July - 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3 (except for *CO which is in mg/m3)**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	02-07-2026	73	32	10	22	**73**	Satisfactory
2	06-07-2026	69	30	7	19	**69**	Satisfactory
3	09-07-2026	78	36	11	20	**78**	Satisfactory
4	13-07-2026	62	29	6	19	**62**	Satisfactory
5	16-07-2026	55	24	5	16	**55**	Satisfactory
6	20-07-2026	59	27	7	20	**59**	Satisfactory
7	23-07-2026	47	21	6	16	**47**	Good
8	27-07-2026	69	32	8	18	**69**	Satisfactory
9	30-07-2026	72	34	10	21	**72**	Satisfactory

Station: Rooftop of Ravindra Bhavan Building						**City:-Margao**	
Duration:-July-2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
	Parameters	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	01-07-2026	58	27	6	17	**58**	Satisfactory
2	04-07-2026	64	29	7	20	**64**	Satisfactory
3	08-07-2026	45	19	6	15	**45**	Good
4	11-07-2026	53	22	8	17	**53**	Satisfactory
5	15-07-2026	39	17	5	13	**39**	Good
6	18-07-2026	47	21	5	16	**47**	Good
7	22-07-2026	31	13	7	13	**31**	Good
8	25-07-2026	38	18	5	14	**38**	Good
9	29-07-2026	33	14	5	11	**33**	Good

Station: Residence of Mr. Rama Naik, Assanora Junction City: Assanora							
Duration: July- 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3 (except for *CO which is in mg/m3)**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	03-07-2026	52	25	6	17	**52**	Satisfactory
2	07-07-2026	65	28	7	21	**65**	Satisfactory
3	10-07-2026	47	22	5	15	**47**	Good
4	14-07-2026	45	19	6	14	**45**	Good
5	17-07-2026	59	27	7	17	**59**	Satisfactory
6	21-07-2026	52	24	5	13	**52**	Satisfactory
7	24-07-2026	47	21	5	14	**47**	Good
8	28-07-2026	37	15	6	11	**37**	Good
9	31-07-2026	41	19	8	15	**41**	Good

Station: Residence of Mr. Sagun Ramkrishna Fadte						**City: Amona**	
Duration:- -July - 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	02-07-2026	55	25	6	17	**55**	Satisfactory
2	06-07-2026	65	30	8	21	**65**	Satisfactory
3	09-07-2026	57	27	8	19	**57**	Satisfactory
4	13-07-2026	45	20	5	14	**45**	Good
5	16-07-2026	59	26	7	18	**59**	Satisfactory
6	20-07-2026	43	21	5	15	**43**	Good
7	23-07-2026	50	23	7	18	**50**	Good
8	27-07-2026	51	21	6	15	**51**	Satisfactory
9	30-07-2026	44	18	6	12	**44**	Good

Station: Municipality Building							**City: Bicholim**
Duration: July - 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	03-07-2026	68	32	9	20	**68**	Satisfactory
2	07-07-2026	57	25	10	23	**57**	Satisfactory
3	10-07-2026	74	34	12	24	**74**	Satisfactory
4	14-07-2026	60	28	10	17	**60**	Satisfactory
5	17-07-2026	78	36	11	21	**78**	Satisfactory
6	21-07-2026	62	19	9	16	**62**	Satisfactory
7	24-07-2026	51	24	9	16	**51**	Satisfactory
8	28-07-2026	64	31	7	14	**64**	Satisfactory
9	31-07-2026	54	23	10	18	**54**	Satisfactory

Station: Near Ajoba temple, Honda junction						**City: Honda**	
Duration: July- 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	02-07-2026	57	25	7	19	**57**	Satisfactory
2	06-07-2026	66	30	9	23	**66**	Satisfactory
3	09-07-2026	50	22	6	17	**50**	Good
4	13-07-2026	72	32	9	20	**72**	Satisfactory
5	16-07-2026	58	24	6	15	**58**	Satisfactory
6	20-07-2026	62	28	8	24	**62**	Satisfactory
7	23-07-2026	45	19	5	16	**45**	Good
8	27-07-2026	50	24	7	21	**50**	Satisfactory
9	30-07-2026	44	17	6	18	**44**	Good

Station:- Usgao Junction				**City:-Usgao**			
Duration:-July-2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
	Parameters	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	02-07-2026	65	28	6	14	**65**	Satisfactory
2	06-07-2026	73	34	8	18	**73**	Satisfactory
3	09-07-2026	58	25	6	16	**58**	Satisfactory
4	13-07-2026	67	30	7	17	**67**	Satisfactory
5	16-07-2026	51	22	5	15	**51**	Satisfactory
6	20-07-2026	48	19	5	17	**48**	Good
7	23-07-2026	59	27	6	18	**59**	Satisfactory
8	27-07-2026	65	30	8	15	**65**	Satisfactory
9	30-07-2026	45	20	5	13	**45**	Good

Station :Premises of Somnath English High School							**City:-Codli**
Duration:-July-2026							
Sr.No	**Parameters**	**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	01-07-2026	44	20	6	21	**44**	Good
2	04-07-2026	57	16	6	18	**57**	Satisfactory
3	08-07-2026	43	18	5	15	**43**	Good
4	11-07-2026	37	15	5	18	**37**	Good
5	15-07-2026	46	21	6	19	**46**	Good
6	18-07-2026	33	14	5	15	**33**	Good
7	22-07-2026	40	18	5	17	**40**	Good
8	25-07-2026	53	23	6	13	**53**	Satisfactory
9	29-07-2026	34	15	5	11	**34**	Good

Station: Rooftop of Sanguem Municipality Building						**City:Sanguem**	
Duration:-July-2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
	Parameters	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	01-07-2026	58	25	6	18	**58**	Satisfactory
2	04-07-2026	46	21	5	14	**46**	Good
3	08-07-2026	53	23	7	17	**53**	Satisfactory
4	11-07-2026	69	31	8	19	**69**	Satisfactory
5	15-07-2026	40	16	5	13	**40**	Good
6	18-07-2026	57	25	8	21	**57**	Satisfactory
7	22-07-2026	44	19	5	16	**44**	Good
8	25-07-2026	37	15	5	12	**37**	Good
9	29-07-2026	52	23	6	15	**52**	Satisfactory

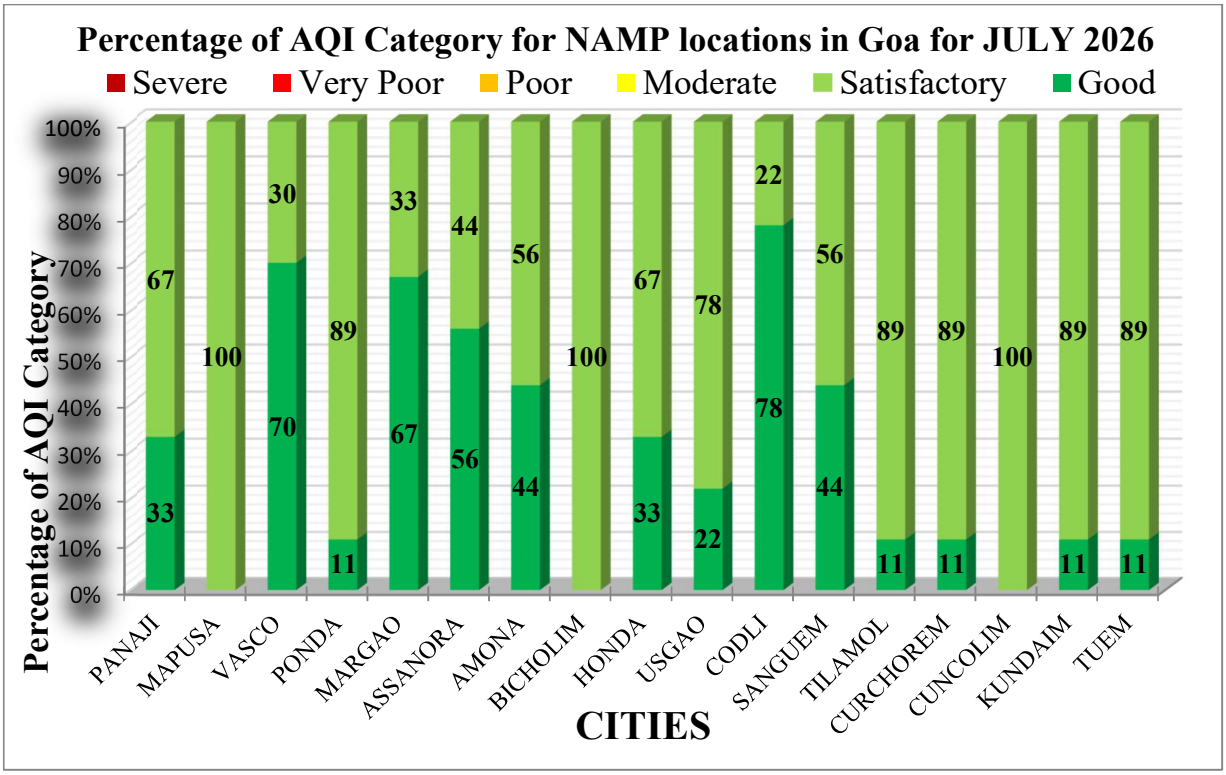
Station: Tilamol Junction							**City: Tilamol**
Duration:-July-2026							
Sr.No	**Parameters**	**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	01-07-2026	73	32	9	21	**73**	Satisfactory
2	04-07-2026	66	28	8	16	**66**	Satisfactory
3	08-07-2026	59	26	6	15	**59**	Satisfactory
4	11-07-2026	70	33	10	21	**70**	Satisfactory
5	15-07-2026	78	37	12	23	**78**	Satisfactory
6	18-07-2026	52	23	9	19	**52**	Satisfactory
7	22-07-2026	46	19	6	15	**46**	Good
8	25-07-2026	62	27	8	19	**62**	Satisfactory
9	29-07-2026	54	24	5	16	**54**	Satisfactory

Rooftop of Electricity panel room at GSUDA market						**City:-Curchorem**	
Duration:-July-2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
	Parameters	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	01-07-2026	71	34	7	18	**71**	Satisfactory
2	04-07-2026	64	31	6	16	**64**	Satisfactory
3	08-07-2026	78	36	9	19	**78**	Satisfactory
4	11-07-2026	62	29	5	14	**62**	Satisfactory
5	15-07-2026	59	28	7	19	**59**	Satisfactory
6	18-07-2026	46	20	5	13	**46**	Good
7	22-07-2026	58	27	7	17	**58**	Satisfactory
8	25-07-2026	65	30	6	15	**65**	Satisfactory
9	29-07-2026	52	25	8	13	**52**	Satisfactory

Station: Rooftop of Power Station, Cuncolim Ind Estate City: Cuncolim							
Duration:-July-2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
	Parameters	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	01-07-2026	73	34	9	22	**73**	Satisfactory
2	04-07-2026	69	33	10	24	**69**	Satisfactory
3	08-07-2026	77	37	9	25	**77**	Satisfactory
4	11-07-2026	65	28	11	20	**65**	Satisfactory
5	15-07-2026	54	24	9	23	**54**	Satisfactory
6	18-07-2026	63	26	7	18	**63**	Satisfactory
7	22-07-2026	76	35	10	21	**76**	Satisfactory
8	25-07-2026	64	28	8	16	**64**	Satisfactory
9	29-07-2026	50	22	9	19	**50**	Satisfactory

Station: Near IDC Office				**City: Kundaim**			
Duration:-July- 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	02-07-2026	72	32	8	21	**72**	Satisfactory
2	06-07-2026	60	27	6	18	**60**	Satisfactory
3	09-07-2026	79	37	9	23	**79**	Satisfactory
4	13-07-2026	66	28	7	16	**66**	Satisfactory
5	16-07-2026	55	24	6	18	**55**	Satisfactory
6	20-07-2026	68	31	6	16	**68**	Satisfactory
7	23-07-2026	75	34	9	19	**75**	Satisfactory
8	27-07-2026	60	26	6	16	**60**	Satisfactory
9	30-07-2026	46	21	7	19	**46**	Good

Station: Near ESIC Hospital , Tuem Industrial Estate						**City: Tuem**	
Duration: July- 2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
		24-Hr	**24-Hr**	**24-Hr**	**24-Hr**		
	Parameters	**Pollutants concentration in µg/m3**					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	03-07-2026	74	33	11	21	**74**	Satisfactory
2	07-07-2026	68	28	10	17	**68**	Satisfactory
3	10-07-2026	77	36	11	21	**77**	Satisfactory
4	14-07-2026	53	23	7	16	**53**	Satisfactory
5	17-07-2026	72	32	8	18	**72**	Satisfactory
6	21-07-2026	61	26	6	14	**61**	Satisfactory
7	24-07-2026	55	24	6	13	**55**	Satisfactory
8	28-07-2026	64	30	8	16	**64**	Satisfactory
9	31-07-2026	48	20	5	14	**48**	Good



Results and Interpretation:

It is seen that during the month of July 2026, out of 17 locations -

AQI was Good to Satisfactory at 14 locations namely: Panaji, Vasco, Ponda, Margao, Assanora, Amona, Honda, Usgao, Codli, Sanguem, Tilamol, Curchorem, Kundaim and Tuem

AQI was Dominantly Satisfactory at 03 locations namely: Mapusa, Bicholim, Cuncolim,

(Dominant refers to 75% and above)