MONTHLY AAQM DATA ALONG WITH AQI FOR 17 NAMP STATION

SEPTEMBER 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:- September- 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	01-09-2026	59	27	6	17	**59**	Satisfactory
2	04-09-2026	72	34	8	19	**72**	Satisfactory
3	08-09-2026	49	23	7	15	**49**	Good
4	11-09-2026	64	30	8	19	**64**	Satisfactory
5	16-09-2026	58	28	7	20	**58**	Satisfactory
6	18-09-2026	74	35	6	12	**74**	Satisfactory
7	22-09-2026	55	25	7	16	**55**	Satisfactory
8	25-09-2026	78	37	6	16	**79**	Satisfactory
9	29-09-2026	66	32	8	19	**66**	Satisfactory

Station: Above Municipality toilet, Chacha Nehru Park, Mapusa							**City :Mapusa**
Duration:-September - 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	01-09-2026	65	29	10	19	**65**	Satisfactory
2	04-09-2026	71	30	11	22	**71**	Satisfactory
3	08-09-2026	55	26	9	22	**55**	Satisfactory
4	11-09-2026	67	36	8	18	**67**	Satisfactory
5	16-09-2026	78	32	9	21	**78**	Satisfactory
6	18-09-2026	70	36	9	18	**70**	Satisfactory
7	22-09-2026	83	28	9	20	**83**	Satisfactory
8	25-09-2026	51	30	10	19	**51**	Satisfactory
9	29-09-2026	77	28	11	18	**77**	Satisfactory

Station: Fuse Call Office				**City: Vasco**				
Duration:- September-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	02-09-2026	35	13	4	5	10	**35**	Good
2	04-09-2026	38	16	4	12	10	**38**	Good
3	09-09-2026	39	13	8	5	20	**39**	Good
4	11-09-2026	39	10	12	9	23	**39**	Good
5	16-09-2026	30	18	2	5	101	**30**	Good
6	18-09-2026	47	29	2	5	10	**48**	Good
7	23-09-2026	24	6	8	5	20	**24**	Good
8	25-09-2026	30	25	17	5	10	**42**	Good
9	29-09-2026	38	30	9	5	10	**51**	Satisfactory

Station: Roof top of Municipal market						**City: Ponda**	
Duration:-September - 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	03-09-2026	73	35	10	22	**73**	Satisfactory
2	07-09-2026	59	27	10	21	**59**	Satisfactory
3	10-09-2026	77	37	8	19	**77**	Satisfactory
4	12-09-2026	59	28	8	19	**59**	Satisfactory
5	17-09-2026	72	35	11	21	**72**	Satisfactory
6	21-09-2026	60	28	6	18	**60**	Satisfactory
7	24-09-2026	52	24	7	18	**52**	Satisfactory
8	28-09-2026	72	34	9	20	**72**	Satisfactory

Station: Rooftop of Ravindra Bhavan Building						**City:-Margao**	
Duration:-September -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	02-09-2026	64	30	7	18	**64**	Satisfactory
2	05-09-2026	46	21	6	15	**46**	Good
3	09-09-2026	60	27	7	18	**60**	Satisfactory
4	12-09-2026	47	21	5	16	**47**	Good
5	16-09-2026	62	30	8	16	**62**	Satisfactory
6	19-09-2026	58	26	6	15	**58**	Satisfactory
7	23-09-2026	43	20	5	11	**43**	Good
8	26-09-2026	51	24	5	13	**51**	Satisfactory
9	30-09-2026	62	28	7	13	**62**	Satisfactory

Station: Residence of Mr. Rama Naik, Assanora Junction City: Assanora							
Duration: September- 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	01-09-2026	55	26	8	13	**55**	Satisfactory
2	04-09-2026	49	22	6	12	**49**	Good
3	08-09-2026	60	29	9	16	**60**	Satisfactory
4	11-09-2026	53	25	8	14	**53**	Satisfactory
5	16-09-2026	44	20	5	12	**44**	Good
6	18-09-2026	51	24	8	14	**51**	Satisfactory
7	22-09-2026	62	29	8	17	**62**	Satisfactory
8	25-09-2026	47	21	6	11	**47**	Good
9	29-09-2026	41	17	8	10	**41**	Good

Station: Residence of Mr. Sagun Ramkrishna Fadte						**City: Amona**	
Duration:- -September - 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	03-09-2026	53	25	7	18	**53**	Satisfactory
2	07-09-2026	65	30	6	15	**65**	Satisfactory
3	10-09-2026	44	20	6	13	**44**	Good
4	12-09-2026	57	26	7	17	**57**	Satisfactory
5	17-09-2026	61	27	8	20	**61**	Satisfactory
6	21-09-2026	49	23	6	15	**49**	Good
7	24-09-2026	54	24	6	17	**54**	Satisfactory
8	28-09-2026	48	21	7	13	**48**	Good

Station: Municipality Building							**City: Bicholim**
Duration: September - 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	01-09-2026	65	31	11	20	**65**	Satisfactory
2	04-09-2026	73	34	11	21	**73**	Satisfactory
3	08-09-2026	62	30	10	18	**62**	Satisfactory
4	11-09-2026	67	31	10	22	**67**	Satisfactory
5	16-09-2026	72	35	12	24	**72**	Satisfactory
6	18-09-2026	64	29	10	21	**64**	Satisfactory
7	22-09-2026	67	33	9	21	**67**	Satisfactory
8	25-09-2026	54	24	10	18	**54**	Satisfactory
9	29-09-2026	66	31	11	20	**66**	Satisfactory

Station: Near Ajoba temple, Honda junction						**City: Honda**	
Duration:-September- 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	03-09-2026	45	22	6	15	**45**	Good
2	07-09-2026	51	23	7	15	**51**	Satisfactory
3	10-09-2026	62	29	7	18	**62**	Satisfactory
4	12-09-2026	69	34	6	17	**69**	Satisfactory
5	17-09-2026	74	35	8	20	**74**	Satisfactory
6	21-09-2026	62	30	8	19	**62**	Satisfactory
7	24-09-2026	56	26	7	18	**56**	Satisfactory
8	28-09-2026	65	29	10	23	**65**	Satisfactory

Station:- Usgao Junction				**City:-Usgao**			
Duration:-September-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	03-09-2026	61	28	7	20	**61**	Satisfactory
2	07-09-2026	50	24	6	18	**50**	Good
3	10-09-2026	65	31	8	22	**65**	Satisfactory
4	12-09-2026	54	25	7	16	**54**	Satisfactory
5	17-09-2026	75	36	9	20	**75**	Satisfactory
6	21-09-2026	64	30	6	19	**64**	Satisfactory
7	24-09-2026	59	26	8	16	**59**	Satisfactory
8	28-09-2026	72	35	6	17	**72**	Satisfactory

Station :Premises of Somnath English High School						**City:-Codli**	
Duration:-September-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	02-09-2026	52	25	6	18	**52**	Satisfactory
2	05-09-2026	49	21	6	15	**49**	Good
3	09-09-2026	41	20	5	13	**41**	Good
4	12-09-2026	59	26	6	15	**59**	Satisfactory
5	16-09-2026	46	20	5	14	**46**	Good
6	19-09-2026	60	29	6	16	**60**	Satisfactory
7	23-09-2026	47	23	7	12	**47**	Good
8	26-09-2026	63	27	9	14	**63**	Satisfactory
9	30-09-2026	55	25	6	15	**55**	Satisfactory

Station: Rooftop of Sanguem Municipality Building City: Sanguem							
Duration:-September-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	02-09-2026	64	28	6	14	**64**	Satisfactory
2	05-09-2026	57	26	6	18	**57**	Satisfactory
3	09-09-2026	62	30	7	17	**62**	Satisfactory
4	12-09-2026	71	33	8	20	**71**	Satisfactory
5	16-09-2026	46	22	5	13	**46**	Good
6	19-09-2026	61	29	7	19	**61**	Satisfactory
7	23-09-2026	75	35	5	12	**75**	Satisfactory
8	26-09-2026	57	27	5	15	**57**	Satisfactory
9	30-09-2026	67	31	6	14	**67**	Satisfactory

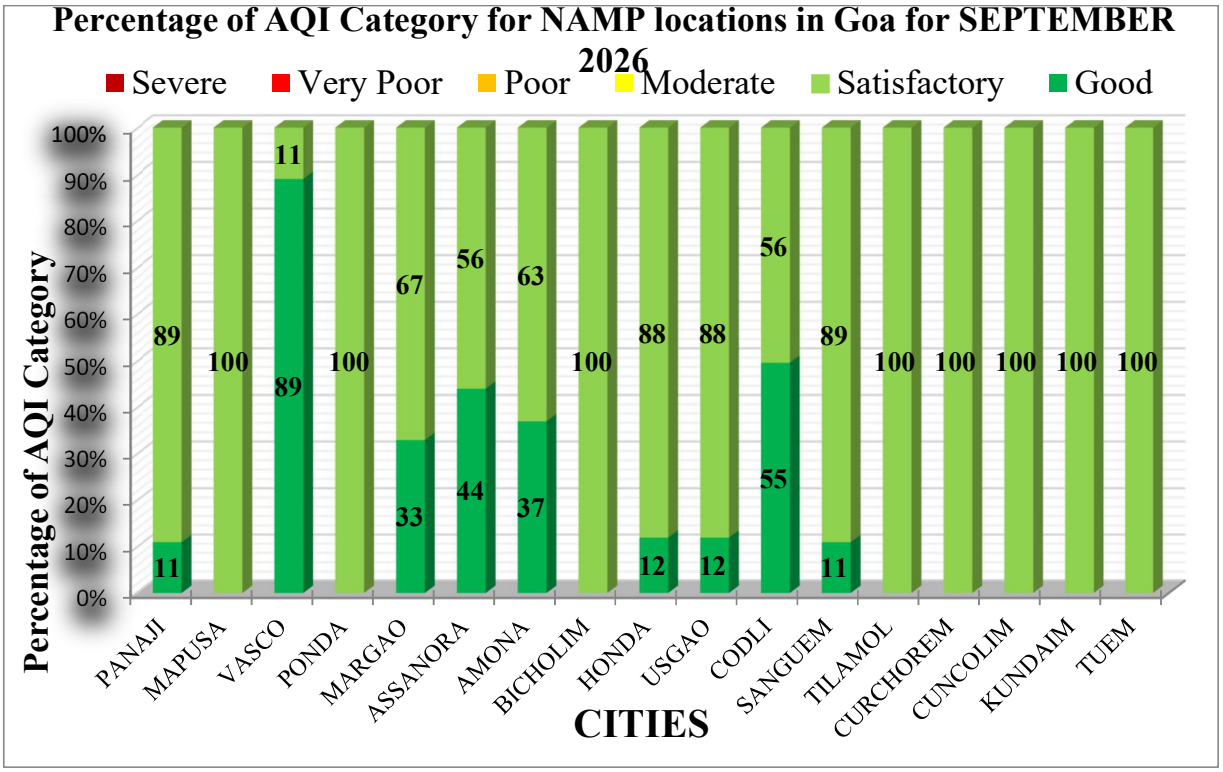
Station: Tilamol Junction						**City: Tilamol**	
Duration:-September-2026							
Sr.No		**Time Weighted Average (TWA)**				**AQI**	**AIR QLTY**
	Parameters	**24-Hr**	**24-Hr**	**24-Hr**	**24-Hr**		
		Pollutants concentration in µg/m3					
	Date	**PM_{10}**	**$PM_{2.5}$**	**SO_2**	**NO_2**		
1	02-09-2026	66	31	9	20	**66**	Satisfactory
2	05-09-2026	73	35	10	20	**73**	Satisfactory
3	09-09-2026	62	29	9	19	**62**	Satisfactory
4	12-09-2026	70	33	9	18	**70**	Satisfactory
5	16-09-2026	82	39	10	20	**82**	Satisfactory
6	19-09-2026	64	31	10	19	**64**	Satisfactory
7	23-09-2026	72	34	8	18	**72**	Satisfactory
8	26-09-2026	67	32	7	16	**67**	Satisfactory
9	30-09-2026	73	35	10	21	**73**	Satisfactory

Rooftop of Electricity panel room at GSUDA market						**City:-Curchorem**	
Duration:-September-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	02-09-2026	68	32	7	18	**68**	Satisfactory
2	05-09-2026	60	30	7	16	**60**	Satisfactory
3	09-09-2026	56	26	6	14	**56**	Satisfactory
4	12-09-2026	73	35	9	19	**73**	Satisfactory
5	16-09-2026	50	26	9	13	**50**	Satisfactory
6	19-09-2026	68	27	7	19	**68**	Satisfactory
7	23-09-2026	52	24	5	13	**52**	Satisfactory
8	26-09-2026	59	28	6	14	**59**	Satisfactory
9	30-09-2026	66	31	8	17	**66**	Satisfactory

Station: Rooftop of Power Station, Cuncolim Ind Estate						**City: Cuncolim**	
Duration:-September-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	02-09-2026	69	33	10	23	**69**	Satisfactory
2	05-09-2026	80	37	9	25	**80**	Satisfactory
3	09-09-2026	87	41	9	25	**87**	Satisfactory
4	12-09-2026	68	32	10	21	**68**	Satisfactory
5	16-09-2026	74	34	9	23	**74**	Satisfactory
6	19-09-2026	76	37	7	21	**76**	Satisfactory
7	23-09-2026	64	29	8	18	**64**	Satisfactory
8	26-09-2026	67	33	10	19	**67**	Satisfactory
9	30-09-2026	74	36	9	18	**74**	Satisfactory

Station: Near IDC Office				**City: Kundaim**			
Duration:-September- 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	03-09-2026	59	27	9	20	**59**	Satisfactory
2	07-09-2026	65	31	8	20	**65**	Satisfactory
3	10-09-2026	73	35	7	16	**73**	Satisfactory
4	12-09-2026	60	28	6	17	**60**	Satisfactory
5	17-09-2026	65	31	6	16	**65**	Satisfactory
6	21-09-2026	60	27	7	17	**60**	Satisfactory
7	24-09-2026	52	24	8	16	**52**	Satisfactory
8	28-09-2026	68	33	9	19	**68**	Satisfactory

Station: Near ESIC Hospital , Tuem Industrial Estate						**City: Tuem**	
Duration: September- 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	01-09-2026	67	32	10	17	**67**	Satisfactory
2	04-09-2026	58	27	10	20	**58**	Satisfactory
3	08-09-2026	73	36	10	18	**73**	Satisfactory
4	11-09-2026	83	39	7	16	**83**	Satisfactory
5	16-09-2026	63	28	7	14	**63**	Satisfactory
6	18-09-2026	75	36	8	17	**75**	Satisfactory
7	22-09-2026	68	32	5	13	**68**	Satisfactory
8	25-09-2026	80	38	6	14	**80**	Satisfactory
9	29-09-2026	66	32	8	16	**66**	Satisfactory



Results and Interpretation:

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

AQI was Good to Satisfactory at 09 locations namely: Panaji, Vasco, Margao, Assanora, Amona, Honda, Usgao, Codli and Sanguem

AQI was Dominantly Satisfactory at 08 locations namely: Mapusa, Ponda, Bicholim, Tilamol, Curchorem, Cuncolim, Kundaim and Tuem

(Dominant refers to 75% and above)