

MONTHLY AAQM DATA ALONG WITH AQI FOR 18 NAMP STATION

MARCH 2025

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, PM_{2.5}, 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 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:

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:-March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	04-03-2025	78	36	11	15	1.32	20.73	0.05	78	Satisfactory
2	07-03-2025	70	33	11	16	1.1	19.49	0.03	70	Satisfactory
3	11-03-2025	75	37	10	17	0.96	21.48	0.06	75	Satisfactory
4	14-03-2025	65	31	12	17	1.23	20.91	0.03	65	Satisfactory
5	18-03-2025	73	35	10	15	1.04	21.77	0.05	73	Satisfactory
6	21-03-2025	69	37	11	16	1.17	23.49	0.05	69	Satisfactory
7	25-03-2025	78	40	9	15	1.29	22.92	0.03	78	Satisfactory
8	28-03-2025	71	34	12	16	1.08	19.77	0.03	71	Satisfactory

Station: Within the premises of Municipality building									City :Mapusa	
Duration:-March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	01-03-2025	75	36	11	16	1.37	22	0.05	75	Satisfactory
2	04-03-2025	82	43	12	18	0.85	20	0.06	82	Satisfactory
3	08-03-2025	77	38	12	17	1.21	23	0.09	77	Satisfactory
4	11-03-2025	74	36	10	16	1.14	23	0.06	74	Satisfactory
5	15-03-2025	84	41	12	17	1.30	21	0.07	84	Satisfactory
6	18-03-2025	75	37	12	17	0.93	23	0.03	75	Satisfactory
7	22-03-2025	81	42	11	19	1.15	21	0.04	81	Satisfactory
8	25-03-2025	72	33	12	16	1.28	23	0.02	72	Satisfactory
9	29-03-2025	69	36	11	16	1.34	20	0.04	69	Satisfactory

Station: MPT Quarters							City: Baina	
Duration:- March-2025								
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	05-03-2025	86	42	2	16	10	86	Satisfactory
2	07-03-2025	73	38	2	20	10	73	Satisfactory
3	11-03-2025	78	47	2	26	10	78	Satisfactory
4	13-03-2025	51	27	2	11	10	51	Satisfactory
5	19-03-2025	48	20	2	12	24	48	Good
6	21-03-2025	58	22	4	12	10	58	Satisfactory
7	26-03-2025	54	24	2	16	10	54	Satisfactory
8	28-03-2025	51	18	4	16	10	51	Satisfactory

Station: Roof top of Municipal market									City: Ponda	
Duration:-March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	03-03-2025	77	36	13	18	1.05	21	0.05	77	Satisfactory
2	06-03-2025	71	35	11	16	1.21	21	0.03	71	Satisfactory
3	10-03-2025	78	38	12	17	0.79	22	0.04	78	Satisfactory
4	13-03-2025	83	41	13	16	1.14	23	0.07	83	Satisfactory
5	17-03-2025	76	37	11	16	1.37	22	0.04	76	Satisfactory
6	20-03-2025	70	34	11	17	1.10	25	0.03	70	Satisfactory
7	24-03-2025	79	38	12	16	0.98	22	0.06	79	Satisfactory
8	27-03-2025	68	35	10	14	1.26	21	0.04	68	Satisfactory
9	31-03-2025	78	39	11	15	1.12	23	0.03	78	Satisfactory

Station: Rooftop of Ravindra Bhavan Building									City:-Margao	
Duration:- March 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	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	*CO	O ₃	Pb		
1	05-03-2025	77	38	12	16	1.16	19	0.05	77	Satisfactory
2	07-03-2025	68	35	10	16	1.31	22	0.09	68	Satisfactory
3	12-03-2025	74	36	10	16	1.24	23	0.09	74	Satisfactory
4	15-03-2025	66	33	12	17	1.09	21	0.02	66	Satisfactory
5	19-03-2025	72	37	12	16	1.18	23	0.05	72	Satisfactory
6	21-03-2025	75	34	11	14	1.03	21	0.06	75	Satisfactory
7	26-03-2025	65	32	10	13	0.93	21	0.04	65	Satisfactory
8	28-03-2025	71	34	11	14	0.87	20	0.03	71	Satisfactory

Station: Residence of Mr. Rama Naik, Assanora Junction									City: Assanora	
Duration: March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	04-03-2025	69	35	9	14	0.75	20	0.03	69	Satisfactory
2	07-03-2025	65	35	11	14	1.08	18	0.03	65	Satisfactory
3	11-03-2025	74	34	10	14	0.89	21	0.02	74	Satisfactory
4	14-03-2025	68	37	10	14	0.73	21	0.02	68	Satisfactory
5	18-03-2025	63	32	10	15	1.32	22	0.03	66	Satisfactory
6	21-03-2025	73	36	9	13	0.94	22	0.02	73	Satisfactory
7	25-03-2025	67	32	10	14	1.21	23	0.03	67	Satisfactory
8	28-03-2025	63	30	8	13	1.15	20	0.02	63	Satisfactory

Station: Residence of Mr. Sagun Ramkrishna Fadte									City: Amona	
Duration:- -March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	03-03-2025	71	35	11	16	1.13	23	0.05	71	Satisfactory
2	06-03-2025	64	33	11	16	1.26	23	0.06	64	Satisfactory
3	10-03-2025	75	37	12	16	0.89	20	0.03	75	Satisfactory
4	13-03-2025	65	33	12	17	1.05	25	0.09	65	Satisfactory
5	17-03-2025	69	37	11	16	1.19	21	0.07	69	Satisfactory
6	20-03-2025	75	37	11	15	1.22	23	0.09	75	Satisfactory
7	24-03-2025	69	35	12	17	0.97	22	0.06	69	Satisfactory
8	27-03-2025	72	34	11	16	1.08	20	0.04	72	Satisfactory
9	31-03-2025	64	32	10	14	1.15	24	0.02	64	Satisfactory

Station: Municipality Building					City: Bicholim					
Duration:March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	04-03-2025	87	42	13	18	1.26	23	0.16	87	Satisfactory
2	07-03-2025	82	39	12	18	1.34	23	0.23	82	Satisfactory
3	11-03-2025	93	43	14	18	1.21	21	0.16	93	Satisfactory
4	14-03-2025	85	41	12	17	1.29	22	0.18	85	Satisfactory
5	18-03-2025	91	43	13	17	1.10	21	0.15	91	Satisfactory
6	21-03-2025	89	44	13	18	0.93	24	0.24	89	Satisfactory
7	25-03-2025	85	39	13	18	1.41	21	0.26	85	Satisfactory
8	28-03-2025	78	38	13	18	1.22	23	0.19	78	Satisfactory

Station: Near Ajoba temple, Honda junction									City: Honda	
Duration:- March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	03-03-2025	79	38	10	14	1.24	21	0.09	79	Satisfactory
2	06-03-2025	75	37	10	15	1.08	19	0.07	75	Satisfactory
3	10-03-2025	81	35	10	14	1.13	20	0.08	81	Satisfactory
4	13-03-2025	73	37	11	14	1.21	21	0.10	73	Satisfactory
5	17-03-2025	67	33	12	16	0.98	22	0.07	67	Satisfactory
6	20-03-2025	79	38	10	16	1.17	21	0.12	79	Satisfactory
7	24-03-2025	64	34	10	14	1.35	23	0.08	68	Satisfactory
8	27-03-2025	73	36	9	14	1.14	21	0.06	73	Satisfactory
9	31-03-2025	79	33	10	15	1.02	20	0.09	79	Satisfactory

Station:- Usgao Junction								City:-Usgao		
Duration:- March-2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTy
		24-Hr	24-Hr	24-Hr	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	*CO	O ₃	Pb		
1	03-03-2025	74	35	11	17	1.03	19	0.04	74	Satisfactory
2	06-03-2025	78	40	11	15	1.38	19	0.06	78	Satisfactory
3	10-03-2025	71	38	12	17	0.95	22	0.03	71	Satisfactory
4	13-03-2025	84	41	12	18	1.21	21	0.02	84	Satisfactory
5	17-03-2025	76	36	13	18	1.14	22	0.03	76	Satisfactory
6	20-03-2025	74	34	11	16	0.87	21	0.05	74	Satisfactory
7	24-03-2025	80	38	11	17	1.12	23	0.05	80	Satisfactory
8	27-03-2025	73	36	11	16	1.09	20	0.07	73	Satisfactory
9	31-03-2025	79	40	12	17	1.24	23	0.05	79	Satisfactory

Premises of Somnath English High School									City:-Codli	
Duration:- March -2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	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	*CO	O ₃	Pb		
1	01-03-2025	63	36	10	13	1.09	21	0.05	63	Satisfactory
2	05-03-2025	76	37	10	15	0.87	20	0.07	76	Satisfactory
3	08-03-2025	71	33	10	15	1.23	20	0.09	71	Satisfactory
4	12-03-2025	78	38	10	16	0.95	23	0.08	78	Satisfactory
5	15-03-2025	65	32	9	13	1.15	22	0.08	65	Satisfactory
6	19-03-2025	69	33	10	14	1.31	25	0.07	69	Satisfactory
7	22-03-2025	72	35	10	15	0.82	23	0.05	72	Satisfactory
8	26-03-2025	65	32	9	12	0.95	19	0.04	65	Satisfactory
9	29-03-2025	69	37	12	18	1.20	21	0.03	69	Satisfactory

Station: Rooftop of Sanguem Municipality Building								City: Sanguem		
Duration:- March -2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	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	*CO	O ₃	Pb		
1	01-03-2025	68	35	9	14	0.59	18	0.03	68	Satisfactory
2	05-03-2025	64	33	10	13	0.83	21	0.04	64	Satisfactory
3	08-03-2025	72	34	10	15	0.71	20	0.03	72	Satisfactory
4	12-03-2025	69	33	8	12	1.04	22	0.04	69	Satisfactory
5	15-03-2025	65	31	9	12	0.95	23	0.04	65	Satisfactory
6	19-03-2025	75	34	9	12	0.89	21	0.02	75	Satisfactory
7	22-03-2025	73	35	9	13	1.18	21	0.04	73	Satisfactory
8	26-03-2025	66	32	11	15	0.74	20	0.03	66	Satisfactory
9	29-03-2025	70	37	9	14	0.91	22	0.02	70	Satisfactory

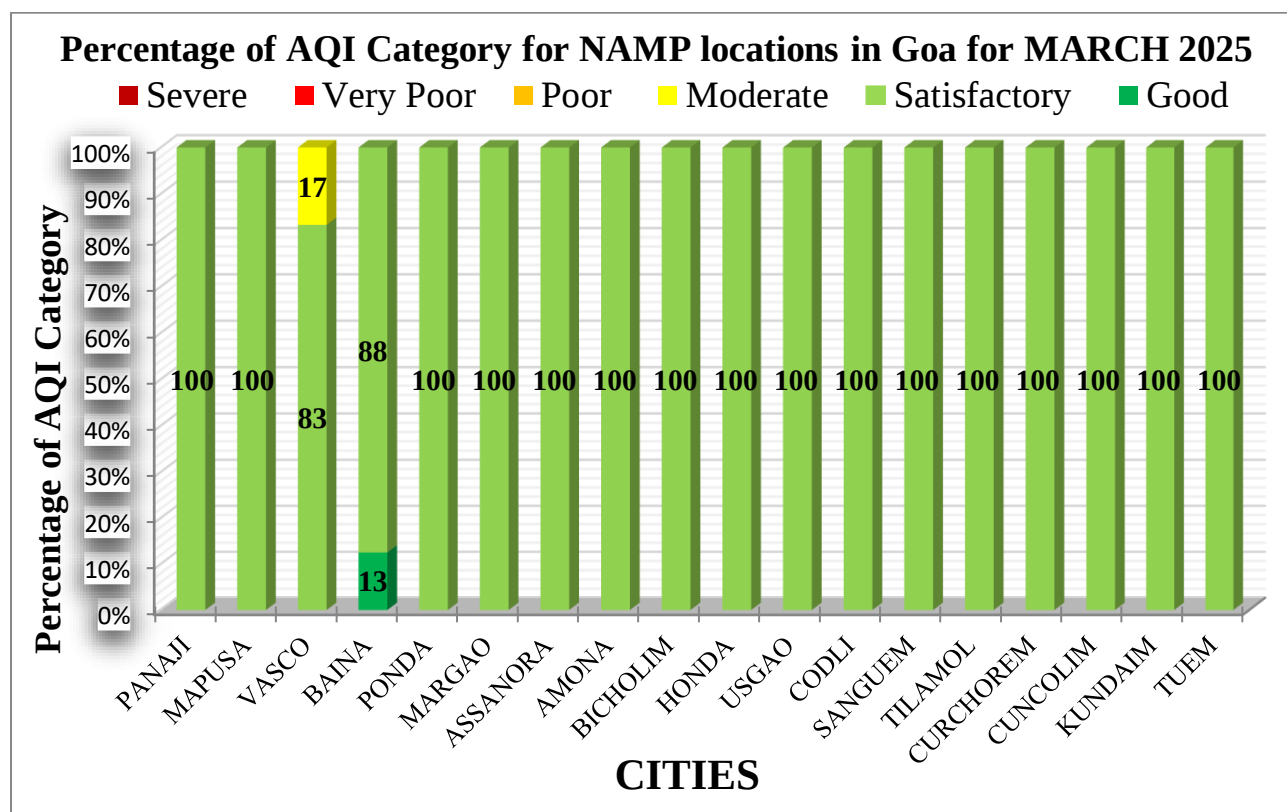
Station: Tilamol Junction								City: Tilamol		
Duration:- March-2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	24-Hr	24-Hr	24-Hr		
	Parameters	Pollutants concentration in µg/m3 (except for *CO which is in mg/m3)								
	Date	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	*CO	O ₃	Pb		
1	01-03-2025	89	42	13	19	0.98	24	0.08	89	Satisfactory
2	05-03-2025	82	40	13	18	1.19	21	0.07	82	Satisfactory
3	08-03-2025	76	36	11	17	1.31	25	0.05	76	Satisfactory
4	12-03-2025	71	38	11	17	1.24	23	0.08	71	Satisfactory
5	15-03-2025	78	36	13	17	0.88	20	0.07	78	Satisfactory
6	19-03-2025	86	44	12	16	1.35	25	0.07	86	Satisfactory
7	22-03-2025	81	43	11	17	1.10	22	0.04	81	Satisfactory
8	26-03-2025	74	36	10	16	1.22	23	0.06	74	Satisfactory
9	29-03-2025	79	39	12	17	0.93	22	0.04	79	Satisfactory

Rooftop of Electricity panel room at GSUDA market									City:-Curchorem	
Duration:- March-2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTy
		24-Hr	24-Hr	24-Hr	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	*CO	O ₃	Pb		
1	01-03-2025	78	40	13	18	1.12	22	0.10	78	Satisfactory
2	05-03-2025	74	37	12	16	1.29	24	0.08	74	Satisfactory
3	08-03-2025	71	33	12	18	1.05	21	0.12	71	Satisfactory
4	12-03-2025	80	39	13	18	1.31	25	0.14	80	Satisfactory
5	15-03-2025	85	41	13	17	1.25	23	0.08	85	Satisfactory
6	19-03-2025	74	35	13	17	1.17	25	0.07	74	Satisfactory
7	22-03-2025	83	39	13	18	1.43	23	0.11	83	Satisfactory
8	26-03-2025	76	34	12	17	1.04	24	0.13	76	Satisfactory
9	29-03-2025	69	37	12	18	1.35	21	0.08	69	Satisfactory

Station: Rooftop of Power Station, Cuncolim Ind Estate										City: Cuncolim	
Duration:- March-2025											
Sr.No		Time Weighted Average (TWA)								AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	24-Hr	24-Hr	24-Hr	24-Hr		
	Parameters	Pollutants concentration in µg/m3 (except for *CO which is in mg/m3 & As which is in ng/m3)									
	Date	PM ₁₀	PM _{2.5}	SO ₂	NO ₂	*CO	O ₃	As	Pb		
1	01-03-2025	78	37	12	18	1.25	23	0.46	0.18	78	Satisfactory
2	05-03-2025	73	34	13	16	1.07	22	0.43	0.13	73	Satisfactory
3	08-03-2025	81	40	12	17	1.19	19	0.28	0.15	81	Satisfactory
4	12-03-2025	70	34	12	17	1.32	24	0.32	0.14	70	Satisfactory
5	15-03-2025	76	38	13	18	1.14	22	0.38	0.11	76	Satisfactory
6	19-03-2025	83	41	12	17	1.31	25	0.46	0.16	83	Satisfactory
7	22-03-2025	75	31	12	17	1.22	25	0.44	0.15	75	Satisfactory
8	26-03-2025	66	35	14	18	1.17	23	0.31	0.13	66	Satisfactory
9	29-03-2025	80	38	13	16	1.29	25	0.45	0.10	80	Satisfactory

Station: Near IDC Office									City: Kundaim	
Duration:- March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	03-03-2025	82	39	12	17	1.35	22	0.41	82	Satisfactory
2	06-03-2025	76	40	12	17	1.21	19	0.27	76	Satisfactory
3	10-03-2025	80	34	12	17	1.08	21	0.42	80	Satisfactory
4	13-03-2025	72	38	12	17	1.14	24	0.28	72	Satisfactory
5	17-03-2025	68	35	12	16	0.93	22	0.17	68	Satisfactory
6	20-03-2025	85	42	12	16	1.24	24	0.36	85	Satisfactory
7	24-03-2025	75	38	11	15	1.30	22	0.28	75	Satisfactory
8	27-03-2025	82	41	12	17	1.17	23	0.37	82	Satisfactory
9	31-03-2025	77	36	11	17	1.05	20	0.29	77	Satisfactory

Station: Near ESIC Hospital , Tuem Industrial Estate									City: Tuem	
Duration: March - 2025										
Sr.No		Time Weighted Average (TWA)							AQI	AIR QLTY
		24-Hr	24-Hr	24-Hr	24-Hr	1-Hr	1-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	*CO	O ₃	Pb		
1	04-03-2025	77	38	12	16	1.34	23	0.063	77	Satisfactory
2	07-03-2025	70	34	11	16	1.18	22	0.083	70	Satisfactory
3	11-03-2025	78	38	12	17	1.06	25	0.053	78	Satisfactory
4	14-03-2025	65	31	11	16	1.24	21	0.033	65	Satisfactory
5	18-03-2025	73	37	11	17	1.09	23	0.043	73	Satisfactory
6	21-03-2025	67	32	12	15	1.12	22	0.053	67	Satisfactory
7	25-03-2025	76	33	12	16	0.98	23	0.067	76	Satisfactory
8	28-03-2025	71	37	12	17	0.87	20	0.043	71	Satisfactory



Results and Interpretation:

It is seen that during the month of March 2025, out of 18 locations AQI is -

Dominantly Satisfactory at all 18 locations namely – Panaji, Mapusa, Vasco, Baina, Ponda, Margao, Assanora, Amona, Bicholim, Honda, Usgao, Codli, Sanguem, Tilamol, Curchorem, Cuncolim, Kundaim and Tuem

(Dominant refers to 75% and above)