

MONTHLY CAAQMS REPORT SEPTEMBER 2023

PLAMOOD (TVM) CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

Date/Day	CO (mg/m ³)	Ozone (µg/m ³)	NO (µg/m ³)	NO2 (µg/m ³)	NOX (µg/m ³)	NH3 (µg/m ³)	SO2 (µg/m ³)	PM2.5 (µg/m ³)	PM10 (µg/m ³)	AT (°C)	RH (%)	WS (m/s)	WD (deg.)	SR (W/m ²)	BP (mmHg)	RF (mm)	AQI
01-09-2023 Fri	0.34	13.6	0.7	9.2	9.9	2.4	7.5	4	11	25.5	75	1.5	53	178	751	0.0	17.0
02-09-2023 Sat	0.98	9.8	0.7	9.2	9.9	2.4	7.8	3	8	24.4	79	0.9	76	102	751	0.0	34.0
03-09-2023 Sun	0.39	12.4	0.7	9.2	9.9	2.4	9.3	4	11	24.3	79	1.2	66	118	750	1.0	20.0
04-09-2023 Mon	0.37	11.9	0.7	9.2	9.9	2.4	9.0	5	12	25.0	74	1.4	73	127	749	0.0	19.0
05-09-2023 Tue	0.38	11.6	0.7	9.2	9.9	2.4	9.3	7	17	25.2	74	1.1	58	133	749	0.0	19.0
06-09-2023 Wed	0.29	9.9	0.7	9.2	9.9	2.4	7.9	4	10	24.7	75	0.9	73	123	750	3.0	15.0
07-09-2023 Thu	0.40	11.6	0.7	9.2	9.9	2.4	8.9	3	8	23.9	80	1.0	75	110	751	7.0	20.0
08-09-2023 Fri	0.57	12.9	0.7	9.2	9.9	2.4	7.8	6	15	24.7	77	1.0	68	134	752	1.0	29.0
09-09-2023 Sat	0.31	11.4	0.7	9.2	9.9	2.4	9.1	3	8	24.5	78	1.4	65	145	751	0.0	16.0
10-09-2023 Sun	0.29	12.6	0.7	9.2	9.9	2.4	9.4	4	11	24.5	76	1.4	69	148	751	0.0	15.0
11-09-2023 Mon	0.33	12.9	0.7	9.2	9.9	2.4	8.8	4	9	24.2	79	1.0	66	109	751	0.0	17.0
12-09-2023 Tue	0.32	14.3	0.7	9.2	9.9	2.4	8.0	5	12	25.3	74	1.7	61	176	750	0.0	16.0
13-09-2023 Wed	0.36	12.1	0.7	9.2	9.9	2.4	8.1	5	12	25.1	77	1.2	56	136	751	0.0	18.0
14-09-2023 Thu	0.40	12.6	0.7	9.2	9.9	2.4	8.1	5	12	24.7	79	0.9	59	156	751	0.0	20.0
15-09-2023 Fri	0.33	12.4	0.7	9.2	9.9	2.4	10.6	4	9	25.0	77	0.9	72	167	751	1.0	17.0
16-09-2023 Sat	0.38	11.8	0.7	9.2	9.9	2.4	9.4	4	10	23.8	81	0.7	78	99	752	4.0	19.0
17-09-2023 Sun	0.35	10.7	0.7	9.2	9.9	2.4	8.2	5	12	24.7	77	0.5	74	125	751	75.5	18.0
18-09-2023 Mon	0.53	12.4	0.7	9.2	9.9	2.4	9.0	4	11	24.4	80	0.8	66	142	751	2.0	27.0
19-09-2023 Tue	0.49	9.6	0.7	9.2	9.9	2.4	10.1	4	9	24.5	78	0.9	60	139	752	4.0	25.0
20-09-2023 Wed	0.68	10.9	0.7	9.2	9.9	2.4	8.2	4	10	25.3	77	0.9	68	150	751	2.5	33.0
21-09-2023 Thu	0.62	12.5	0.7	9.2	9.9	2.4	10.2	5	13	25.0	78	1.1	60	149	752	1.0	31.0
22-09-2023 Fri	0.38	10.9	0.7	9.2	9.9	2.4	8.2	4	10	24.4	78	1.1	63	129	751	0.0	19.0
23-09-2023 Sat	0.42	12.5	0.7	9.2	9.9	2.4	8.3	4	10	25.2	75	1.3	63	184	752	1.0	21.0
24-09-2023 Sun	0.27	10.8	0.7	9.2	9.9	2.4	8.2	4	11	25.1	74	1.4	65	187	752	0.0	14.0
25-09-2023 Mon	0.73	13.0	0.7	9.2	9.9	2.4	9.0	7	20	25.5	75	1.3	67	166	751	0.0	32.0
26-09-2023 Tue	0.42	11.0	0.7	9.2	9.9	2.4	8.8	7	19	25.7	76	1.4	59	175	751	2.0	21.0
27-09-2023 Wed	0.61	12.0	0.7	9.2	9.9	2.4	10.4	7	23	25.6	75	1.4	67	161	751	1.0	31.0
28-09-2023 Thu	0.33	11.3	0.7	9.2	9.9	2.4	8.0	6	10	24.8	76	1.2	69	141	751	0.0	17.0
29-09-2023 Fri	0.38	10.7	0.7	9.2	9.9	2.4	9.1	5	15	22.9	85	0.5	80	32	751	1.0	19.0
30-09-2023 Sat	0.97	18.9	0.7	9.2	9.9	2.4	8.9	7	18	23.8	84	1.1	61	56	751	1.0	39.0
Average	0.45	12.0	0.7	9.2	9.9	2.4	8.8	5	12	24.7	77	1.1	66	137	751	3.6	22.0
Minimum	0.27	9.6	0.7	9.2	9.9	2.4	7.5	3	8	22.9	74	0.5	53	32	749	0.0	14.0
Maximum	0.98	18.9	0.7	9.2	9.9	2.4	10.6	7	23	25.7	85	1.7	80	187	752	75.5	39.0

KARYAVATTAM (TVM) CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

Parameters	PM10	PM2.5	SO2	CO	NO	NO2	NOX	NH3	O3	Ben	Tolu	Ethyl	Mpxyl	Oxyl	TEMP	HD	WS	WD	SR	RG	AQI
UNITS	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	degreC	%	m/s	degre	W/m2	m m	
01-09-2023	31.4	9.61	0.07	0.76	7.88	10.93	25.32	7.88	25.19	0	0	0	0	0	30.88	86.23	0.38	215.07	106.5	0	38
02-09-2023	32.01	10.22	1.03	0.76	7.9	10.93	25.29	7.9	25.36	0	0	0	0	0	28.91	95.01	0.42	250.29	81.18	0	38
03-09-2023	29.84	8.05	1.91	0.77	7.9	10.84	25.49	7.9	25.46	0	0	0	0	0	29.04	94.02	0.35	227.31	82.86	0.01	39
04-09-2023	30.41	8.62	2.24	0.76	7.83	10.82	25.36	7.83	25.35	0	0	0	0	0	29.85	85.96	1.13	228.96	93.2	0.01	38
05-09-2023	30.91	9.12	2.62	0.76	7.87	10.8	25.27	7.87	25.21	0	0	0	0	0	29.89	87.08	0.61	226.94	93.73	0	38
06-09-2023	30.96	9.17	1.89	0.76	7.86	10.8	25.39	7.86	25.19	0	0	0	0	0	29.2	88.42	0.55	246.88	84.7	0	38
07-09-2023	38.05	16.26	2.82	0.77	7.94	10.83	25.48	7.94	25.54	0	0	0	0	0	28.25	94.3	0.71	239.9	72.61	0	39
08-09-2023	44.91	23.12	1.03	0.77	7.93	10.88	25.63	7.93	25.51	0	0	0	0	0	29.34	89.84	0.54	256.55	86.71	0	45
09-09-2023	42.16	20.37	0.92	0.75	7.8	10.95	25.4	7.8	24.92	0	0	0	0	0	28.79	90.82	0.55	211.61	79.61	0	42
10-09-2023	34.63	12.84	1.35	0.76	7.91	10.85	25.49	7.91	25.39	0	0	0	0	0	28.95	88.68	0.99	234.12	81.63	0	38
11-09-2023	35.58	13.8	0.86	0.77	7.91	10.87	25.58	7.91	25.42	0	0	0	0	0	28.41	93.5	0.96	233.62	74.67	0.03	39
12-09-2023	31.59	9.8	2.32	0.76	7.83	10.89	25.45	7.83	25.08	0	0	0	0	0	30.04	85	1.14	222.54	95.68	0.01	38
13-09-2023	40.51	18.73	0.23	0.76	7.91	10.81	25.26	7.91	25.43	0	0	0	0	0	29.96	90.55	0.7	219.58	93.98	0	41
14-09-2023	43.63	21.84	0.19	0.76	7.85	10.77	25.28	7.85	25.16	0	0	0	0	0	29.38	93.78	0.41	231.54	87.23	0.01	44
15-09-2023	42.24	20.45	2.47	0.77	7.93	10.81	25.39	7.93	25.49	0	0	0	0	0	29.48	91.37	0.55	245.98	88.47	0.01	42
16-09-2023	39.71	17.92	2.9	0.75	7.85	10.89	25.34	7.85	25.13	0	0	0	0	0	28.1	96.74	0.26	332.53	70.69	0	40
17-09-2023	37.66	15.87	2.79	0.76	7.89	10.82	25.29	7.89	25.34	0	0	0	0	0	28.97	92.65	0.11	353.96	81.86	0	38
18-09-2023	37.14	15.35	0.36	0.75	7.79	10.87	25.38	7.79	24.9	0	0	0	0	0	28.65	96.09	0.07	328.51	77.81	0	38
19-09-2023	34.15	12.36	0.16	0.77	7.93	10.84	25.2	7.93	25.51	0	0	0	0	0	29.03	91.95	0.36	229.42	82.74	0	38
20-09-2023	46.87	25.08	0.93	0.76	7.87	10.74	25.56	7.87	25.4	0	0	0	0	0	30.15	91.31	0.5	241.42	96.93	0	47
21-09-2023	48.36	26.57	1.86	0.76	7.87	10.86	25.6	7.87	25.42	0	0	0	0	0	29.84	91.04	0.67	219.27	93.17	0	48
22-09-2023	41.79	20	2.83	0.76	7.91	10.86	25.54	7.91	25.24	0	0	0	0	0	29.04	92.02	0.44	232.28	82.83	0	42
23-09-2023	42.85	21.06	1.22	0.76	7.85	10.89	25.46	7.86	25.11	0	0	0	0	0	30.07	88.17	0.46	230.67	96.06	0	43
24-09-2023	41.43	19.64	1.34	0.76	7.92	10.84	25.65	7.92	25.43	0	0	0	0	0	29.85	86.21	1.06	231.72	93.23	0	41
25-09-2023	44.69	22.9	1.92	0.76	7.89	10.82	25.4	7.89	25.31	0	0	0	0	0	30.29	86.69	0.87	236.05	98.94	0	45
26-09-2023	47.78	25.99	3.09	0.76	7.91	10.93	25.49	7.91	25.42	0	0	0	0	0	30.72	88.48	0.68	230.05	104	0	48
27-09-2023	46.62	24.83	0.53	0.76	7.87	10.89	25.35	7.88	25.24	0	0	0	0	0	30.54	87.8	0.67	235.9	102.1	0	47
28-09-2023	47.79	26	1.81	0.76	7.87	10.9	25.46	7.87	25.21	0	0	0	0	0	29.29	89.2	0.55	240.69	86.08	0	48
29-09-2023	42.64	20.85	1.62	0.77	7.95	10.9	25.27	7.95	25.58	0	0	0	0	0	27.26	102.8	0.36	320.85	59.82	0	43
30-09-2023	40.5	18.71	1.59	0.77	7.94	10.83	25.11	7.94	25.55	0	0	0	0	0	28.43	99.6	0.18	303.54	75.3	0	41
Mini	29.84	8.05	0.07	0.75	7.79	10.74	25.11	7.79	24.9	0	0	0	0	0	27.26	85	0.07	211.61	59.82	0	38
Maxi	48.36	26.57	3.09	0.77	7.95	10.95	25.65	7.95	25.58	0	0	0	0	0	30.88	102.8	1.14	353.96	106.5	0.03	48
Average	39.28	17.49	1.56	0.76	7.88	10.85	25.40	7.89	25.31	0	0	0	0	0	29.34	91.35	0.58	250.73	86.58	0.00	41.56

KOLLAM CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

PARAMETERS	PM10	PM2.5	SO2	CO	NO	NO2	NOX	NH3	O3	BEN	TOLU	ETHY	MP	OXY	WS	WD	TC	RH	SR	RG	AQI
Units	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	m/s	degre	degreC	%	W/m ²	m m	
01-09-2023	60.73	14.59	3.91	0.61	3.32	7.06	9.75	2.24	33.91	0.84	0.61	0.59	0.62	0.5	1.38	20.07	27.53	88.04	167.6	0	61
02-09-2023	49.58	6.75	3.9	0.61	3.3	7.06	9.82	2.23	33.86	0.83	0.61	0.59	0.62	0.5	0.67	112.61	25.62	97.91	141.7	0	50
03-09-2023	48.22	4.07	3.91	0.61	3.31	7.03	9.75	2.22	33.97	0.84	0.6	0.59	0.62	0.5	1.41	26.45	25.52	98.05	190.5	0	48
04-09-2023	59.77	14.9	3.92	0.61	3.32	7.06	9.85	2.25	34.07	0.84	0.6	0.59	0.63	0.5	2.7	102.62	26.4	91.53	207.9	0	60
05-09-2023	71.25	25.04	3.91	0.61	3.31	7.07	9.69	2.19	33.94	0.84	0.61	0.58	0.61	0.5	1.2	93.75	26.65	89.97	142.3	0	71
06-09-2023	58.91	12.97	3.89	0.61	3.28	7.06	9.86	2.2	33.73	0.83	0.61	0.59	0.62	0.5	0.45	104.25	25.63	94.12	151.3	0	59
07-09-2023	55.73	10.56	3.9	0.61	3.3	7.04	9.84	2.24	33.85	0.83	0.6	0.59	0.63	0.5	1.62	56.4	25.3	96.8	134.5	0	56
08-09-2023	69.08	22.99	3.93	0.61	3.33	7.04	9.88	2.22	34.14	0.84	0.6	0.59	0.62	0.49	1.16	92.37	25.93	94.74	120.4	0	69
09-09-2023	59.61	14.05	3.89	0.61	3.28	7.07	9.85	2.22	33.71	0.83	0.6	0.59	0.62	0.5	2.13	83.35	26.68	90.01	149.4	0	60
10-09-2023	47.68	3.74	3.94	0.62	3.35	6.97	9.85	2.21	34.36	0.85	0.6	0.59	0.62	0.5	2.1	98.53	25.75	93.09	135.6	0	48
11-09-2023	48.14	5.1	3.93	0.61	3.33	6.99	9.85	2.23	34.15	0.84	0.6	0.59	0.62	0.5	1.08	83.24	25.31	97.32	148.9	0	48
12-09-2023	58.94	13.35	3.91	0.61	3.31	6.95	9.68	2.25	33.99	0.84	0.6	0.58	0.63	0.51	2.65	112.26	26.87	88.66	159.3	0	59
13-09-2023	64.55	18.34	3.92	0.61	3.32	7	9.8	2.26	34.11	0.84	0.6	0.59	0.63	0.5	1.64	64.97	27.26	91.62	166.8	0	65
14-09-2023	69.04	22.83	3.92	0.61	3.32	7.05	9.94	2.2	34.08	0.84	0.61	0.6	0.62	0.5	0.98	62.28	26.42	94.99	195.9	0	69
15-09-2023	55.29	10.04	3.91	0.61	3.31	7.12	9.94	2.22	33.99	0.84	0.61	0.6	0.62	0.5	1.23	106.15	25.96	94.02	148.7	0	55
16-09-2023	61.35	16.56	3.87	0.6	3.25	7.08	9.79	2.24	33.41	0.82	0.61	0.59	0.63	0.5	0.05	191.24	25.57	95.77	106.3	0	61
17-09-2023	58.92	13.72	3.91	0.61	3.31	7.03	10	2.23	33.98	0.84	0.6	0.6	0.62	0.5	0.13	81.59	26.17	93.02	145.4	0	59
18-09-2023	51.8	8.5	3.91	0.61	3.31	7.02	9.88	2.22	33.93	0.84	0.6	0.59	0.62	0.5	1.05	329.5	25.43	98.09	202.1	0	52
19-09-2023	44.34	3.28	3.93	0.62	3.33	6.98	9.97	2.25	34.2	0.84	0.6	0.6	0.63	0.49	1.05	37.68	26.08	92.92	189.9	0	44
20-09-2023	71.82	25.61	3.91	0.61	3.3	6.95	9.86	2.24	33.9	0.84	0.6	0.59	0.63	0.49	1.43	96.07	27.18	89.95	151.6	0	72
21-09-2023	61.78	16.12	3.91	0.61	3.31	7.1	9.8	2.24	33.99	0.84	0.61	0.59	0.63	0.5	1.45	64.3	27.04	90.36	148.7	0	62
22-09-2023	51.81	9.76	3.87	0.6	3.24	7.02	9.76	2.24	33.4	0.82	0.6	0.59	0.63	0.5	1.23	62.32	25.71	94.7	179.3	0	52
23-09-2023	74.09	27.88	3.96	0.62	3.37	6.77	9.59	2.35	34.53	0.85	0.58	0.58	0.65	0.49	1.45	221.88	24.89	100.5	35.7	0	74
24-09-2023	64.91	18.7	3.9	0.61	3.3	7.2	9.95	2.21	33.85	0.83	0.61	0.6	0.62	0.5	2.98	87.73	27.81	83.67	197	0	65
25-09-2023	68.78	22.57	3.92	0.61	3.33	7.09	9.96	2.22	34.14	0.84	0.6	0.6	0.62	0.5	1.83	95.07	26.68	92.4	114.5	0	69
26-09-2023	75.58	29.37	3.89	0.61	3.28	7.01	9.99	2.24	33.73	0.83	0.6	0.6	0.62	0.5	1.37	46.47	27.23	92.34	163.2	0	76
27-09-2023	94.3	48.1	3.92	0.61	3.32	7.04	9.89	2.2	34.02	0.84	0.6	0.59	0.62	0.5	1.74	104.86	27.18	90.12	158.3	0	94
28-09-2023	68.97	22.76	3.91	0.61	3.3	6.98	9.98	2.25	33.89	0.84	0.6	0.6	0.63	0.5	1.35	175.31	24.67	99.89	68.1	0	69
29-09-2023	48.54	1.37	3.9	0.61	3.29	7.12	9.86	2.2	33.96	0.84	0.61	0.59	0.62	0.48	1.91	7.87	26.24	96.5	40.7	0	49
30-09-2023	42.49	1.95	3.95	0.62	3.37	6.98	9.85	2.29	34.51	0.85	0.6	0.59	0.64	0.5	2.56	12.07	26.21	96.88	81.3	0	42
Mini	42.49	1.37	3.87	0.6	3.24	6.77	9.59	2.19	33.4	0.82	0.58	0.58	0.61	0.48	0.05	7.87	24.67	83.67	35.7	0	42
Maxi	94.3	48.1	3.96	0.62	3.37	7.2	10	2.35	34.53	0.85	0.61	0.6	0.65	0.51	2.98	329.5	27.81	100.5	207.9	0	94
Average	61.02	16.10	3.91	0.61	3.31	7.03	9.85	2.24	33.98	0.84	0.60	0.59	0.63	0.50	1.47	99.08	26.23	93.51	143.33	0	61.06

THRISSUR CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

Parameters	PM10	PM25	SO2	CO	NO	NO2	NOX	NH3	O3	BEN	TOLU	ETHYL	MP	OXY	WS	WD	TC	RH	SR	RG	AQI
Unit	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	m/s	degre	degreC	%	W/m ²	mm	
01-09-2023	54.25	27.8	4.22	0.55	4.86	12.35	32	5.01	38.98	0.96	1.46	0	0	0	2.56	257.87	27.45	85.75	288.36	0	54
02-09-2023	64.23	37.78	4.2	0.63	4.82	12.28	31.93	4.96	38.75	0.96	1.46	0	0	0	2.19	254.4	27.48	85.08	288.76	0	64
03-09-2023	39.14	19.43	4.18	0.52	4.78	12.2	32.04	5.04	38.53	0.96	1.45	0	0	0	2.58	254.52	27.7	84.87	291.61	0	39
04-09-2023	8.25	0	4.18	0.8	4.77	12.25	32.03	4.97	38.48	0.96	1.45	0	0	0	2.13	254.06	27.28	86.27	286.15	0	40
05-09-2023	9.73	0	4.17	0.43	4.77	12.23	31.89	5.02	38.46	0.96	1.45	0	0	0	2.23	256.45	27.33	84.01	286.72	0	38
06-09-2023	8.5	0	4.17	0.41	4.76	12.25	32.09	4.97	38.39	0.96	1.45	0	0	0	2.4	254.58	27.67	83.56	291.3	0	38
07-09-2023	8.77	0	4.17	0.43	4.77	12.28	32.07	5.01	38.43	0.96	1.46	0	0	0	2.44	254.09	28.01	80.73	295.75	0	38
08-09-2023	34.1	3.99	4.18	0.57	4.79	12.25	31.98	4.98	38.58	0.96	1.45	0	0	0	2.09	253.59	27.53	84.75	289.42	0	39
09-09-2023	68.16	9.41	4.19	0.52	4.79	12.28	32.04	4.97	38.59	0.96	1.46	0	0	0	2.09	253.23	27.76	82.11	292.49	0	68
10-09-2023	67.35	10.33	4.18	0.86	4.71	11.98	30.66	4.81	38.47	0.96	1.45	0	0	0	2.21	253.61	28.02	81.99	295.87	0	67
11-09-2023	58.66	30.71	4.21	0.56	3.83	7.81	10.37	2.98	38.88	0.96	1.45	0	0	0	2.68	253.48	28.46	80.05	301.72	0	59
12-09-2023	57.88	30.36	4.17	0.58	3.77	7.94	10.48	3.02	38.42	0.96	1.46	0	0	0	2.84	253.61	28.19	80.77	298.15	0	58
13-09-2023	58.47	30.63	4.2	0.55	3.82	7.84	10.55	2.96	38.77	0.96	1.45	0	0	0	2.46	253.05	27.87	81.04	293.9	0	58
14-09-2023	57.85	30.35	4.17	0.6	3.77	7.9	10.52	3	38.4	0.96	1.46	0	0	0	2.17	252.24	27.51	80.94	289.13	0	58
15-09-2023	58.32	30.56	4.19	0.53	3.81	7.82	10.55	3.01	38.68	0.96	1.45	0	0	0	1.97	252.28	27.44	78.02	288.23	0	58
16-09-2023	57.88	30.36	4.17	0.6	3.77	7.91	10.47	2.99	38.42	0.96	1.46	0	0	0	1.64	252.32	27.35	80.95	286.99	0	58
17-09-2023	58.26	30.53	4.19	0.41	3.8	7.92	10.44	2.97	38.64	0.96	1.46	0	0	0	1.87	252.74	27.89	79.02	294.16	0	58
18-09-2023	58.29	30.55	4.19	0.69	3.8	7.93	10.45	2.98	38.66	0.96	1.46	0	0	0	1.72	252.72	27.28	82.09	286.11	0	58
19-09-2023	58.34	30.57	4.19	0.83	3.81	7.97	10.51	3	38.69	0.96	1.46	0	0	0	1.69	253.32	26.4	86.98	274.46	0	58
20-09-2023	58.6	30.69	4.21	0.39	3.83	7.97	10.69	2.99	38.84	0.96	1.46	0	0	0	2.11	252.11	27.66	81.25	291.09	0	59
21-09-2023	58.06	30.44	4.18	0.67	3.79	7.93	10.5	2.97	38.53	0.96	1.46	0	0	0	2.36	251.79	28.21	80.13	298.35	0	58
22-09-2023	58.49	30.64	4.2	0.57	3.82	7.93	10.46	2.96	38.78	0.96	1.46	0	0	0	2.37	251.6	28.57	78.52	303.06	0	58
23-09-2023	58.05	30.44	4.18	0.45	3.79	7.95	10.59	2.99	38.52	0.96	1.46	0	0	0	2.34	251.55	28.82	76.38	306.4	0	58
24-09-2023	57.84	30.34	4.17	0.69	3.77	7.82	10.28	2.97	38.4	0.96	1.45	0	0	0	1.94	251.93	27.74	79.21	292.11	0	58
25-09-2023	58.42	30.61	4.2	0.73	3.81	7.88	10.56	2.99	38.74	0.96	1.45	0	0	0	1.74	251.81	27.8	79.74	292.94	0	58
26-09-2023	57.62	30.24	4.16	0.82	3.76	7.97	10.59	3	38.27	0.96	1.46	0	0	0	1.62	251.76	27.86	81.32	293.79	0	58
27-09-2023	58.37	30.58	4.2	0.72	3.81	8.03	10.37	2.97	38.71	0.96	1.46	0	0	0	1.71	251.58	27.92	80.78	294.57	0	58
28-09-2023	58.88	30.82	4.22	0.66	3.85	7.89	10.56	3	39.01	0.96	1.46	0	0	0	1.68	252.11	27.89	79.18	294.1	0	59
29-09-2023	58.49	30.64	4.2	0.39	3.82	7.92	10.39	2.97	38.78	0.96	1.46	0	0	0	2.47	251.54	28.02	78.45	295.82	0	58
30-09-2023	58.26	30.53	4.19	0.39	3.8	7.91	10.36	3	38.65	0.96	1.46	0	0	0	2.16	251.34	28.67	79.77	304.42	0	58
Mini	8.25	0	4.16	0.39	3.76	7.81	10.28	2.96	38.27	0.96	1.45	0	0	0	1.62	251.34	26.4	76.38	274.46	0	38
Maxi	68.16	37.78	4.22	0.86	4.86	12.35	32.09	5.04	39.01	0.96	1.46	0.00	0.00	0.00	2.84	257.87	28.82	86.98	306.40	0.00	68.00
Average	50.12	23.66	4.19	0.59	4.14	9.40	17.84	3.67	38.62	0.96	1.46	0.00	0.00	0.00	2.15	253.14	27.78	81.47	292.71	0.00	54.81

ELOOR (EKM) CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

Parameters	PM10	PM2.5	SO ₂	CO	NO	NO ₂	NOx	NH ₃	O ₃	WS	WD	TC	RH	RG	AQI
Unit	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	m/s	degre	degreC	%	mm	
01-09-2023	58.11	22.3	3.42	0.9	3.69	7.17	10.8	3.34	23.59	0.42	282.12	30.88	93.31	0	58
02-09-2023	58.68	22.52	3.45	0.91	3.73	7.14	10.8	3.38	23.82	0.28	11.38	29.23	99.19	0	59
03-09-2023	58.61	22.49	3.45	0.91	3.73	7.22	10.7	3.37	23.8	0.13	103.05	27.85	98.71	0	59
04-09-2023	56.73	21.94	3.22	0.89	3.61	6.78	10.2	3.21	23.2	0.2	17.76	27.64	98.7	10.63	57
05-09-2023	46.7	18.46	2.06	0.79	2.99	5.18	7.8	2.42	19.83	0.22	310.97	28.71	98.62	0	47
06-09-2023	47.83	18.54	2.03	0.79	3.06	5.18	7.91	2.43	20.33	0.44	100.25	27.02	98.74	0	48
07-09-2023	47.7	18.94	2.11	0.8	3.06	5.16	7.79	2.41	20.27	0.22	321.06	26.33	98.99	0	48
08-09-2023	47.22	18.74	2.07	0.8	3.02	5.1	7.8	2.42	20.06	0.15	166.25	27.18	98.99	0	47
09-09-2023	47.96	18.63	2.91	0.9	3.74	5.38	7.12	2.63	20.07	0.41	188.75	28.45	98.47	0.45	48
10-09-2023	48.23	18.47	3.1	0.9	3.89	5.41	7.63	2.41	20.36	0.96	175.36	28.75	97.45	3.12	48
11-09-2023	47.1	18.69	2.06	0.79	3.01	5.08	7.82	2.37	20.01	0.73	282.42	30.06	94.62	0	47
12-09-2023	47.36	18.8	2.08	0.8	3.03	5.14	7.84	2.4	20.12	0.7	323.7	29.91	95.75	0.03	47
13-09-2023	47.18	18.72	2.07	0.8	3.02	5.13	7.86	2.42	20.04	0.31	314.92	29.67	98.75	32.4	47
14-09-2023	47.07	18.68	2.06	0.79	3.01	5.1	7.84	2.39	19.99	0.16	331.81	28.02	98.79	137.92	47
15-09-2023	47.7	18.94	2.11	0.8	3.05	5.1	7.87	2.35	20.36	0.28	112.78	26.15	98.96	116.31	48
16-09-2023	45.67	18.1	2.09	0.77	2.91	5.16	8.03	2.33	20.34	0.12	154.65	29.89	98.21	0	46
17-09-2023	46.87	18.6	2.07	0.79	3	5.13	7.75	2.42	19.81	0.19	105.9	30.36	97.97	0	47
18-09-2023	46.28	18.36	2.05	0.8	2.96	5.14	7.79	2.44	19.84	0.31	164.12	29.91	98.07	0	46
19-09-2023	46.79	18.56	2.06	0.79	2.99	5.18	7.76	2.41	19.91	0.22	224.13	29.91	97.83	0	47
20-09-2023	46.81	18.57	2.07	0.79	2.99	5.12	7.83	2.41	19.77	0.35	319.34	31.03	95.62	0	47
21-09-2023	46.27	18.35	2.08	0.79	2.95	5.1	7.82	2.34	19.88	0.49	78.04	29.2	98.16	0	46
22-09-2023	47.5	18.24	2.05	0.77	2.65	5.17	7.78	2.39	19.84	0.45	76.31	29.5	98.53	0.6	48
23-09-2023	46.85	18.59	2.07	0.81	3	5.12	7.82	2.42	19.9	0.54	256.05	31.54	97.98	0	47
24-09-2023	47.22	18.74	2.08	0.79	3.02	5.19	7.81	2.41	20.06	0.37	332.44	29.61	97.09	0	47
25-09-2023	47.03	18.66	2.07	0.79	3.01	5.18	7.77	2.39	19.97	0.37	315.89	30.42	97.81	7.06	47
26-09-2023	47.3	18.78	2.09	0.79	3.03	5.12	7.79	2.41	20.1	0.03	166.79	30.12	97.87	0	47
27-09-2023	47.25	18.94	2.74	0.76	3.04	5.32	7.45	2.42	19.45	0.45	310.23	28.45	97.41	3.41	47
28-09-2023	47.61	18.42	2.31	0.77	3.12	5.76	7.71	2.43	19.71	0.43	312.45	28.78	96.54	6.25	48
29-09-2023	46.26	18.35	2.03	0.78	2.96	5.18	7.79	2.38	19.64	0.47	91.53	27.38	98.15	0	46
30-09-2023	46.83	18.58	2.07	0.79	3	5.14	7.96	2.43	19.89	0.39	145.92	27.56	98.11	0	47
Mini	45.67	18.1	2.03	0.76	2.65	5.08	7.12	2.33	19.45	0.03	11.38	26.15	93.31	0	46
Maxi	58.68	22.52	3.45	0.91	3.89	7.22	10.8	3.38	23.82	0.96	332.44	31.54	99.19	137.92	59
Average	48.78	19.17	2.36	0.81	3.15	5.49	8.21	2.55	20.54	0.37	201.26	28.98	97.68	14.25	48.84

VYTTILA (EKM) CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

Date&Time	PM10	PM2.5	SO2	NH3	NO	NO2	NOx	CO	O3	WS	WD	Air temp	RH	TRF	SR	Ben	Tolu	Ethylben	M&P-Xyl	O-Xyl	AQI
	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	ppb	mg/m³	µg/m³	m/s	deg	Deg C	%	mm	W/m²	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	24hrs
01-09-2023	99.51	22.32	0.05	7.8	5.76	2.25	5.83	1.45	0	0.62	5.49	28.8	51.62	0	257.9	0	0	0	0	0	100
02-09-2023	34.51	16.97	0.49	5.71	12.65	0.73	10.58	1.43	0	0.48	5.36	26.1	85.98	626	250.4	0	0	0	0	0	72
03-09-2023	21.35	9.24	0.13	8.35	4.05	1.01	3.76	1.4	0	0.51	5.33	26	71.8	75.4	247.6	0	0	0	0	0	70
04-09-2023	33.28	14.35	0.18	7.08	8.08	1.54	7.33	1.49	0	0.46	5.4	25.9	83.77	28.6	248.7	0	0	0	0	0	75
05-09-2023	77.64	26.12	0.1	6.21	10.65	2	9.64	1.6	0	0.46	5.31	26.5	67.07	32.6	247	0	0	0	0	0	80
06-09-2023	34.31	17.65	0.07	7.29	7.04	1.98	6.72	1.47	0	0.46	5.15	25.5	40.08	91	251.7	0	0	0	0	0	74
07-09-2023	22.41	13.03	0.61	6.23	10.77	1.45	9.44	1.54	0	0.49	4.98	24.8	1.31	302.4	254.1	0	0	0	0	0	77
08-09-2023	29.97	16.75	0.18	6.92	8.05	1.36	7.21	1.72	0	0.41	4.77	25.8	33.95	128.6	249	0	0	0	0	0	86
09-09-2023	20.83	11.04	0.27	7.88	4.77	1.55	4.67	1.5	0	0.42	4.36	25.4	81.89	140.4	250.8	0	0	0	0	0	75
10-09-2023	16.95	8.25	0.18	7.88	5.32	0.8	4.7	1.45	0	0.41	3.96	25.6	85.37	131.4	246.9	0	0	0	0	0	73
11-09-2023	47.23	12.05	0.13	7.86	4.94	2.24	5.14	1.46	0	0.43	3.77	26.4	80.02	50.4	247.3	0	0	0	0	0	73
12-09-2023	67.29	17.1	6.58	7.36	9.43	1.58	8.42	1.65	0	0.57	3.59	27.4	68.91	0	254.4	0	0	0	0	0	83
13-09-2023	80.82	20.51	3.34	10.43	8.03	1.28	7.14	1.85	0	0.45	3.97	27.1	75.22	110.8	250.6	0	0	0	0	0	93
14-09-2023	46.34	21.96	1.24	13.42	3.99	1.46	3.94	1.83	0	0.48	4.46	26.5	74.97	125.2	256.3	0	0	0	0	0	92
15-09-2023	30.27	18.88	1.61	13.38	9.94	0.81	8.41	1.4	0	0.46	4.57	25.3	74.6	117.4	253.8	0	0	0	0	0	70
16-09-2023	22.9	14.57	1.47	12.99	6.36	1.07	5.63	1.3	0	0.62	4.3	25.9	77.82	63.2	243.8	0	0	0	0	0	65
17-09-2023	52.31	14.37	21.18	13.56	7.2	0.66	6.08	1.57	0	0.61	4.74	25.3	81.29	32.8	248	0	0	0	0	0	79
18-09-2023	46.6	15.19	11.4	11.14	10.28	1.21	8.85	1.56	0	0.67	4.45	26.4	81.66	222.8	253.9	0	0	0	0	0	78
19-09-2023	92.13	16	3.59	7.45	6.96	2.23	6.72	1.24	0	0.67	4.83	27	68.17	131	255.8	0	0	0	0	0	92
20-09-2023	138.51	19.09	3.89	8.54	3.39	1.82	3.64	1.22	0	0.82	5.51	27.6	46.53	4.6	257.8	0	0	0	0	0	125
21-09-2023	242.92	32.58	3.21	8.7	2.93	1.88	3.32	1.02	0	1.01	5.73	27.8	14.22	295.6	261.3	0	0	0	0	0	195
22-09-2023	52.18	11.85	5.94	8.71	2.75	1.36	2.76	0.98	0	0.87	5.9	26.1	22.44	91.2	256.4	0	0	0	0	0	52
23-09-2023	49.57	14.34	6.13	7.68	5.3	1.59	5.07	1	0	0.7	6.39	26.4	9.25	162.4	259.4	0	0	0	0	0	50
24-09-2023	57.15	InVld	InVld	8.58	3.09	1.02	2.98	0.97	0	0.86	7.32	26.5	0.81	112.4	255.1	0	0	0	0	0	57
25-09-2023	117.22	25.6	29.99	8.27	3.71	1.84	3.89	1.02	0	0.84	7.78	27.4	0.83	63.8	253.4	0	0	0	0	0	111
26-09-2023	45.83	19.46	11.56	8.3	3.44	1.64	3.54	1.02	0	0.68	8.31	27.1	39.13	93.6	263.3	0	0	0	0	0	51
27-09-2023	80.98	22.12	0.62	7.87	4.8	1.49	4.55	1.01	0	0.8	8.88	27.1	30.45	28	257.3	0	0	0	0	0	81
28-09-2023	22.51	13.46	0.88	8.05	4.05	1.11	3.83	0.98	0	0.53	9.14	24.7	0.81	360	246.2	0	0	0	0	0	49
29-09-2023	20.13	11.82	3.43	7.3	6.9	1.1	6.1	0.96	0	0.66	9.53	23.9	1.29	638.8	248.4	0	0	0	0	0	48
30-09-2023	21.99	13.9	9.97	6.82	8.2	0.91	7.09	0.94	0	0.44	10.3	24.6	3.35	320.8	244.4	0	0	0	0	0	47
Min	16.95	8.25	0.05	5.71	2.75	0.66	2.76	0.94	0	0.41	3.59	23.9	0.81	0	243.8	0	0	0	0	0	47
Maxi	242.92	32.58	29.99	13.56	12.65	2.25	10.58	1.85	0	1.01	10.3	28.8	85.98	638.8	263.3	0	0	0	0	0	195
Avg	57.52	16.92	4.43	8.59	6.43	1.43	5.9	1.33	0	0.6	5.79	26.2	48.49	4581	252.4	0	0	0	0	0	79.1

KANNUR CAAQMS MONTHLY DATA AND AQI SEPTEMBER 2023

Parameters	PM10	PM25	SO2	CO	NO	NO2	NOX	NH3	O3	BEN	TOLU	ETHYL	MP	OXY	WS	WD	TC	RH	SR	RG	AQI
Unit	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	m/s	degre	degreC	%	W/m ²	m m	
01-09-2023	69.65	33.64	5.82	0.16	3.82	11.79	15.53	6.18	25.87	0.5	0.1	0.5	0.1	0	2.45	240.34	34.84	52.84	199.3	0	70
02-09-2023	69.62	33.63	12.1	0.44	3.81	11.75	15.66	6.17	25.87	0.5	0.1	0.5	0.1	0	2.52	240.85	34.7	52.7	181.24	0	70
03-09-2023	69.73	33.71	8.73	0.38	3.83	11.82	15.53	6.27	25.9	0.5	0.1	0.5	0.1	0	2.32	239.38	34.45	52.45	149.37	0	70
04-09-2023	69.32	33.4	9	0.29	3.78	11.74	15.43	6.19	25.77	0.5	0.1	0.5	0.1	0	2.33	239.61	34.42	52.42	145.71	0.07	69
05-09-2023	69.5	33.54	13.23	0.46	3.8	11.86	15.71	6.28	25.83	0.5	0.1	0.5	0.1	0	1.82	235.54	33.85	51.85	76.1	0.49	70
06-09-2023	69.56	33.58	2.29	0.35	3.81	11.76	15.6	6.17	25.85	0.5	0.1	0.5	0.1	0	1.92	236.06	34.16	52.16	114.06	0.06	70
07-09-2023	69.99	33.9	7.31	0.32	3.86	11.77	15.61	6.16	25.98	0.5	0.1	0.5	0.1	0	2.07	237.51	33.7	51.7	67.39	0.47	70
08-09-2023	69.64	33.64	5.12	0.43	3.82	11.84	15.56	6.13	25.87	0.5	0.1	0.5	0.1	0	2.24	238.6	33.97	51.97	96.21	0.12	70
09-09-2023	69.79	33.75	7.67	0.28	3.84	11.81	15.61	6.18	25.92	0.5	0.1	0.5	0.1	0	2.03	237.1	33.76	51.76	74.47	0.07	70
10-09-2023	69.39	33.45	8.72	0.35	3.79	11.86	15.69	6.29	25.79	0.5	0.1	0.5	0.1	0	1.97	236.77	33.61	51.61	47.71	0.54	69
11-09-2023	69.61	33.62	4.63	0.41	3.81	11.79	15.54	6.17	25.86	0.5	0.1	0.5	0.1	0	2.24	238.34	34.04	52.04	99.73	0.23	70
12-09-2023	69.94	33.87	8.74	0.35	3.86	11.91	15.62	6.2	25.97	0.5	0.1	0.5	0.1	0	2.4	239.86	33.99	51.99	90.47	0.39	70
13-09-2023	69.54	33.56	5.53	0.35	3.81	11.72	15.7	6.19	25.84	0.5	0.1	0.5	0.1	0	1.92	236.36	33.35	51.35	46.78	0.06	70
14-09-2023	69.81	33.77	6.22	0.35	3.84	11.68	15.59	6.18	25.93	0.5	0.1	0.5	0.1	0	1.89	236.13	33.83	51.83	68.21	0.49	70
15-09-2023	69.81	33.77	3.59	0.38	3.84	11.82	15.49	6.13	25.93	0.5	0.1	0.5	0.1	0	2.02	236.74	34.02	52.02	100.54	0.37	70
16-09-2023	69.54	33.56	4.46	0.45	3.81	11.73	15.47	6.13	25.84	0.5	0.1	0.5	0.1	0	2.23	238.28	34.24	52.24	123.63	0.44	70
17-09-2023	69.55	33.58	10.93	0.17	3.81	11.84	15.55	6.21	25.85	0.5	0.1	0.5	0.1	0	1.89	236.05	33.55	51.55	44.28	0.13	70
18-09-2023	69.86	33.81	5.61	0.45	3.84	11.74	15.65	6.21	25.94	0.5	0.1	0.5	0.1	0	1.93	236.16	34.1	52.1	102.69	0.15	70
19-09-2023	69.44	33.49	7.42	0.35	3.8	11.8	15.46	6.28	25.81	0.5	0.1	0.5	0.1	0	1.99	236.71	34.14	52.14	123.38	0	69
20-09-2023	69.72	33.7	9.97	0.41	3.83	11.84	15.67	6.17	25.9	0.5	0.1	0.5	0.1	0	2.26	238.61	34.04	52.04	97.88	0.05	70
21-09-2023	69.71	33.69	5.1	0.59	3.82	11.89	15.67	6.23	25.89	0.5	0.1	0.5	0.1	0	2.35	238.84	33.98	51.98	86.51	0	70
22-09-2023	69.8	33.76	9.1	0.39	3.84	11.81	15.63	6.18	25.92	0.5	0.1	0.5	0.1	0	2.52	240.27	34.1	52.1	104.41	0.02	70
23-09-2023	69.76	33.73	7.82	0.32	3.83	11.8	15.45	6.19	25.91	0.5	0.1	0.5	0.1	0	2.31	239.51	34.22	52.22	119.76	0.08	70
24-09-2023	69.56	33.58	9.18	0.31	3.81	11.79	15.64	6.16	25.85	0.5	0.1	0.5	0.1	0	2.13	237.77	34.1	52.1	108.22	0.05	70
25-09-2023	69.77	33.74	9.01	0.44	3.83	11.76	15.49	6.25	25.91	0.5	0.1	0.5	0.1	0	2.3	238.82	34.13	52.13	108.03	0.01	70
26-09-2023	69.58	33.6	4.87	0.36	3.81	11.73	15.62	6.23	25.85	0.5	0.1	0.5	0.1	0	2.14	237.61	34.18	52.18	112.37	0	70
27-09-2023	69.78	33.75	10.93	0.6	3.83	11.8	15.67	6.23	25.92	0.5	0.1	0.5	0.1	0	2.26	238.53	34.14	52.14	117.83	0.1	70
28-09-2023	69.59	33.6	13.31	0.34	3.81	11.88	15.62	6.23	25.86	0.5	0.1	0.5	0.1	0	1.92	236.21	33.7	51.7	55.82	0.78	70
29-09-2023	69.7	33.68	2.37	0.39	3.82	11.77	15.73	6.24	25.89	0.5	0.1	0.5	0.1	0	1.98	236.61	33.96	51.96	84.68	0.59	70
30-09-2023	69.4	33.46	6.34	0.61	3.79	11.74	15.58	6.19	25.8	0.5	0.1	0.5	0.1	0	2.08	237.94	33.82	51.82	70.93	0.35	69
Mini	69.32	33.4	2.29	0.16	3.78	11.68	15.43	6.13	25.77	0.5	0.1	0.5	0.1	0	1.82	235.54	33.35	51.35	44.28	0	69
Maxi	69.99	33.90	13.31	0.61	3.86	11.91	15.73	6.29	25.98	0.50	0.10	0.50	0.10	0.00	2.52	240.85	34.84	52.84	199.30	0.78	70.00
Average	69.66	33.65	7.52	0.38	3.82	11.79	15.59	6.20	25.88	0.50	0.10	0.50	0.10	0.00	2.15	237.92	34.04	52.04	101.92	0.22	69.84