

THRISSUR CAAQMS MONTHLY DATA AND AQI JULY 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	degre	%	W/m ²	mm	
01-07-2023	54.08	10.41	0.86	0.48	4.74	12.33	32.05	5.03	38.29	0.96	1.46	0	0	0	2.16	260.29	27.69	84.03	291.43	1.9	54
02-07-2023	47.94	14.29	0.84	0.35	4.76	12.31	32.01	5.01	38.4	0.96	1.46	0	0	0	1.86	258.9	26.83	90.13	280.17	2.1	48
03-07-2023	34.02	11.66	1.37	0.45	4.82	12.36	31.99	4.99	38.73	0.96	1.46	0	0	0	1.54	260.5	24.27	98.41	246.4	3.4	39
04-07-2023	37.49	10.49	0.33	0.47	4.82	12.29	31.93	4.96	38.73	0.96	1.46	0	0	0	1.7	259.01	23.67	99.16	238.41	0	39
05-07-2023	43.23	16.33	1.44	0.47	4.87	12.26	32.02	5.02	39.01	0.96	1.45	0	0	0	1.64	259.62	23.81	98.17	240.26	0	43
06-07-2023	41.02	29.25	2.35	0.67	4.85	12.31	32.02	4.96	38.89	0.96	1.46	0	0	0	1.47	258.74	24.38	97.14	247.84	0	49
07-07-2023	40.89	28.92	0.69	0.54	4.76	12.27	31.97	5.01	38.41	0.96	1.45	0	0	0	1.49	257.42	25.37	96.04	260.94	0	48
08-07-2023	39.04	28.91	1.3	0.7	4.76	12.26	32.01	4.99	38.39	0.96	1.45	0	0	0	1.52	258.21	24.98	95.78	255.7	0	48
09-07-2023	57.96	28.97	1.8	0.41	4.79	12.35	32.01	4.95	38.55	0.96	1.46	0	0	0	1.63	257.36	26.71	89.14	278.5	0	58
10-07-2023	43.81	29.09	1.14	0.36	4.84	12.31	31.97	5.03	38.87	0.96	1.46	0	0	0	1.35	257.88	25.58	94.39	263.61	0	48
11-07-2023	58.37	28.9	0.25	1.52	4.79	12.37	31.96	5	38.59	0.96	1.46	0	0	0	1.83	259.09	27.4	88.88	287.64	0	76
12-07-2023	55.32	28.97	1.72	0.29	4.79	12.29	32	5.01	38.58	0.96	1.46	0	0	0	1.98	258.4	27.6	85.13	290.31	0	55
13-07-2023	43	28.99	2.13	0.65	4.8	12.22	32.03	5	38.63	0.96	1.45	0	0	0	1.58	257.48	25.66	93.72	264.74	0	48
14-07-2023	45.88	28.93	0.76	0.3	4.75	12.32	31.93	5.01	38.35	0.96	1.46	0	0	0	2.08	257.06	26.43	85.77	274.88	0	48
15-07-2023	48.34	29.06	4.2	0.79	4.83	12.44	32.06	5.03	38.78	0.96	1.46	0	0	0	1.76	256.89	27.09	86.27	283.57	0	48
16-07-2023	53.76	29.04	4.2	0.6	4.82	12.34	31.99	5.02	38.73	0.96	1.46	0	0	0	1.83	256.72	27.53	86.81	289.34	0	54
17-07-2023	57.39	29.04	4.2	0.51	4.82	12.34	31.91	5.01	38.73	0.96	1.46	0	0	0	1.82	256.98	27.07	89.91	283.38	0	57
18-07-2023	52.58	28.96	4.18	0.33	4.78	12.37	32.01	5.02	38.51	0.96	1.46	0	0	0	2.12	257.04	27.75	86.4	292.28	0	53
19-07-2023	52.47	29.16	4.23	0.6	4.87	12.32	31.97	4.97	39.05	0.96	1.46	0	0	0	1.85	257.38	26.73	89.46	278.83	0	52
20-07-2023	66.75	28.95	4.18	0.64	4.78	12.16	31.95	5.03	38.5	0.96	1.45	0	0	0	2.4	258.44	27.82	84.97	293.15	0	67
21-07-2023	74.79	28.97	4.18	0.59	4.79	12.33	31.91	4.96	38.55	0.96	1.46	0	0	0	2.19	259.5	27.88	86.31	294.06	0	75
22-07-2023	62	29.03	4.2	1.09	4.81	12.36	31.95	5.02	38.71	0.96	1.46	0	0	0	1.37	259.38	25.52	95.49	262.9	0	62
23-07-2023	41.11	29.1	4.21	0.48	4.84	12.31	31.9	5	38.88	0.96	1.46	0	0	0	1.82	258.56	24.52	97.8	249.62	0	49
24-07-2023	38.78	29.13	4.22	0.53	4.86	12.24	31.98	4.95	38.97	0.96	1.45	0	0	0	1.45	258.17	23.79	98.37	240.08	0	49
25-07-2023	33.41	29.02	4.19	0.64	4.81	12.22	31.97	4.97	38.69	0.96	1.45	0	0	0	1.62	259.7	24.03	96.25	243.26	0	48
26-07-2023	41.47	29.04	4.2	0.8	4.82	12.24	31.99	4.96	38.73	0.96	1.45	0	0	0	1.6	257.99	24.58	94.07	250.47	0	48
27-07-2023	44.93	29.05	4.2	0.95	4.82	12.31	31.95	5.01	38.76	0.96	1.46	0	0	0	1.61	257.67	25.27	90.09	259.56	0.01	48
28-07-2023	47.57	28.33	4.2	0.54	4.82	12.24	31.95	4.95	38.77	0.96	1.45	0	0	0	2.1	256.38	26.12	85.6	270.77	0	48
29-07-2023	59.96	33.51	4.19	0.52	4.8	12.37	31.96	4.94	38.65	0.96	1.46	0	0	0	2.64	259.29	27.26	83.57	285.86	0	60
30-07-2023	54.46	28.01	4.18	0.61	4.78	12.33	32.08	5.01	38.53	0.96	1.46	0	0	0	2.47	261.11	27.08	84.81	283.4	0	54
31-07-2023	53.68	27.23	4.16	0.54	4.75	12.19	32	5.03	38.31	0.96	1.45	0	0	0	2.36	260.26	27.13	86.3	284.08	0	54
Minimum	33.41	10.41	0.25	0.29	4.74	12.16	31.9	4.94	38.29	0.96	1.45	0	0	0	1.35	256.38	23.67	83.57	238.41	0	39
Maximum	74.79	33.51	4.23	1.52	4.87	12.44	32.08	5.03	39.05	0.96	1.46	0.00	0.00	0.00	2.64	261.11	27.88	99.16	294.06	3.40	76.00
Average	49.51	26.14	2.81	0.61	4.80	12.30	31.98	4.99	38.65	0.96	1.46	0.00	0.00	0.00	1.84	258.45	26.03	90.94	269.63	0.33	52.79

VYTTILA (EKM) CAAQMS MONTHLY DATA AND AQI JULY 2023

Parameters	PM10	PM2.5	SO2	NH3	NO	NO2	NOx	CO	O3	WS	WD	Temp	RH	TRF	SR	Ben	Tolu	E-ben	M&P-Xyl	O-Xyl	AQI
Units	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	ppb	mg/m³	µg/m³	m/s	deg	DegC	%	mm	W/m²	µg/m³	µg/m³	µg/m³	µg/m³	µg/m³	24hr
01-07-2023	57.26	12.6	7.43	11.8	10.32	0.76	8.71	1.52	0	0.69	5.81	26.5	81.03	33.2	248.7	0	0	0	0	0	76
02-07-2023	32.93	11.23	3.11	13	10.89	0.32	8.93	1.45	0	0.6	4.71	27.1	56.33	199.2	245.4	0	0	0	0	0	73
03-07-2023	26.43	13.4	14.81	10.4	21.82	0.48	17.81	1.49	0	0.45	3.96	23.7	91.06	512.4	250	0	0	0	0	0	75
04-07-2023	30.92	15.99	36.19	5.86	22.12	0.81	18.24	1.54	0	0.43	3.98	24.2	91.18	123.6	243.9	0	0	0	0	0	77
05-07-2023	24.45	11.63	2.37	7.24	12.79	0.96	10.79	1.53	0	0.44	6.28	24.3	42.03	417.6	248.1	0	0	0	0	0	77
06-07-2023	25.07	12.69	6.3	4.54	21.67	0.43	17.63	1.52	0	0.46	5.08	25	1.73	119	250.9	0	0	0	0	0	76
07-07-2023	22.44	11.78	4.87	7.2	11.97	0.18	9.7	1.49	0	0.41	4.41	25.4	7.44	136	256.9	0	0	0	0	0	75
08-07-2023	32.33	19.75	39.3	8.67	19.29	0.38	15.52	1.52	0	0.58	3	25	89.93	27	229.5	0	0	0	0	0	76
09-07-2023	52.78	16.85	0	7.28	13.75	0.22	11.16	1.51	InVld	0.57	3.35	27.6	78.37	0	249.4	0	0	0	0	0	76
10-07-2023	51.2	12.3	0	7.21	13.6	0.73	11.33	1.41	0	0.48	4.25	26.9	82.57	15.2	251.7	0	0	0	0	0	71
11-07-2023	51.71	18	NoData	5.69	19.38	0.85	16.06	1.55	0	0.37	5.75	26.8	83.39	23	245.8	0	0	0	0	0	78
12-07-2023	82.03	16.16	0	7.9	11.19	1.01	9.53	1.54	0	0.09	1.29	7	24.78	0	68.4	0	0	0	0	0	82
13-07-2023	43.11	11.38	0	7.59	11.59	0.97	9.85	1.46	0	0	0	0	0	0	0	0	0	0	0	0	73
14-07-2023	53.28	14.78	3.65	8	12.38	0.82	10.39	1.56	0	0.35	2.59	11.7	32.52	0	106.6	0	0	0	0	0	78
15-07-2023	71.34	15.21	0.02	6.43	14.65	0.67	12.15	1.54	0	0.46	6.79	27.5	78.09	27.6	253.9	0	0	0	0	0	77
16-07-2023	66.19	14.05	0.03	8.43	7.14	0.38	5.95	1.48	0	0.53	6.63	27.9	78.78	17.8	251.9	0	0	0	0	0	74
17-07-2023	47.51	12.4	0.04	7.8	9.62	0.39	7.95	1.52	0	0.52	6.69	27.6	81.63	105.4	254	0	0	0	0	0	76
18-07-2023	77.06	12.75	0.02	8.03	8.36	0.92	7.22	1.54	0	0.55	6.57	28.2	78.02	4.4	251.6	0	0	0	0	0	77
19-07-2023	51.2	11.84	0.01	7.55	10.53	1.01	9.02	1.56	0	0.47	6.81	27.3	80.6	27.6	250.9	0	0	0	0	0	78
20-07-2023	63.73	14.49	17.13	7.27	15.05	0.78	12.51	1.57	0	0.53	6.98	27.7	80.61	3	251.2	0	0	0	0	0	79
21-07-2023	111.8	16.75	0.96	7.95	9.37	1.1	8.13	1.59	0	0.59	7.64	28.4	77.18	0	255.9	0	0	0	0	0	108
22-07-2023	105	15.97	1.47	5.69	16.13	0.9	13.48	1.61	0	0.56	7.71	27.6	79.55	93.2	252.6	0	0	0	0	0	103
23-07-2023	23.9	12.49	1.08	8.36	7	0.33	5.8	1.55	0	0.6	7.3	24.2	91.4	319	248.2	0	0	0	0	0	78
24-07-2023	22.81	12.15	1.96	5.95	14.86	0.81	12.4	1.59	0	0.53	6.2	24.5	79.27	160.6	249	0	0	0	0	0	80
25-07-2023	22.38	11.71	1.15	6.54	13.29	0.68	11.05	1.6	0	0.67	4.58	24.2	49.22	86.2	249.8	0	0	0	0	0	80
26-07-2023	27.5	14.59	0.45	6.74	12.96	1	10.93	1.58	0	0.57	5.93	25.1	56.06	75.6	253.8	0	0	0	0	0	79
27-07-2023	37.94	11.66	0.46	7.46	10.26	1.23	8.92	1.6	0	0.65	7.74	26.1	73.13	4.8	247.7	0	0	0	0	0	80
28-07-2023	91.02	18.76	0.21	8.14	7.9	1.22	7	1.61	0	0.69	8.97	26.7	50.66	0	258.1	0	0	0	0	0	91
29-07-2023	75.94	17.71	0.54	9.15	4.53	0.95	3.87	1.58	0	0.91	10.27	27.5	72.53	0	252.4	0	0	0	0	0	79
30-07-2023	71.88	14.26	0.82	9.65	1.82	0.72	1.77	1.55	0	0.85	11.47	27.4	70.43	0	244.4	0	0	0	0	0	78
31-07-2023	60.81	12.34	5.16	8.34	7.6	0.79	6.53	1.59	0	0.76	12.35	27.6	73.72	10.2	242.4	0	0	0	0	0	80
Minimum	22.38	11.23	0	4.54	1.82	0.18	1.77	1.41	0	0	0	0	0	0	0	0	0	0	0	0	71
Maximum	111.8	19.75	39.3	13	22.12	1.23	18.24	1.61	0	0.91	12.35	28.4	91.4	512.4	258.1	0	0	0	0	0	108
Average	52.06	14.12	5.9013	7.8	12.38	0.74	10.33	1.54	0	0.53	5.97	24.4	64.94	2542	231.1	0	0	0	0	0	80

PLAMOOD (TVM) CAAQMS MONTHLY DATA AND AQI JULY 2023																	
Date/Day	CO (mg/m)	Ozone (µg/m³)	NO (µg/m³)	NO2 (µg/m³)	NOX (µg/m³)	NH3 (µg/m³)	SO2 (µg/m³)	PM2.5 (µg/m³)	PM10 (µg/m³)	AT (°C)	RH (%)	WS (m/s)	WD (deg.)	SR (W/m²)	BP (mmHg)	RF (mm)	AQI
01-07-2023 Sat	0.83	12.8	0.7	9.3	9.9	2.2	9.7	10	24	25.9	73	1.7	69	157	751	0.0	41.0
02-07-2023 Sun	0.34	10.1	0.7	9.3	9.9	2.2	9.0	6	16	25.4	77	1.7	65	135	751	0.0	17.0
03-07-2023 Mon	0.43	15.2	0.7	9.3	9.9	2.2	9.0	4	9	23.0	83	1.7	74	60	751	0.0	21.0
04-07-2023 Tue	0.80	10.9	0.8	8.9	9.8	3.2	9.4	3	9	22.9	84	1.3	62	61	751	0.0	40.0
05-07-2023 Wed	0.51	14.2	0.8	9.0	9.8	3.0	9.5	4	9	23.2	85	1.5	61	96	750	0.0	26.0
06-07-2023 Thu	0.67	13.5	0.7	9.2	9.9	2.5	8.0	5	11	24.0	80	1.4	69	119	750	0.0	33.0
07-07-2023 Fri	0.37	8.6	0.7	9.2	9.9	2.4	7.1	3	8	24.2	81	1.1	64	123	752	0.0	18.0
08-07-2023 Sat	0.30	11.3	0.7	9.2	9.9	2.4	9.3	2	7	24.7	78	1.6	72	157	752	0.0	15.0
09-07-2023 Sun	0.25	10.9	0.7	9.2	9.9	2.4	7.9	5	14	25.7	73	1.9	69	166	751	0.0	14.0
10-07-2023 Mon	0.56	10.2	0.7	9.2	9.9	2.4	8.0	8	20	25.7	76	1.5	65	162	750	0.0	28.0
11-07-2023 Tue	0.62	10.7	0.7	9.2	9.9	2.4	7.1	10	24	25.9	75	1.4	66	153	750	0.0	30.0
12-07-2023 Wed	0.60	10.6	0.7	9.2	9.9	2.4	8.7	8	19	25.8	75	1.6	60	183	750	0.0	30.0
13-07-2023 Thu	0.62	10.3	0.7	9.2	9.9	2.4	7.2	5	14	25.4	75	1.6	59	169	751	0.0	31.0
14-07-2023 Fri	0.38	11.0	0.7	9.2	9.9	2.4	7.2	6	15	25.0	76	1.6	63	151	751	0.0	19.0
15-07-2023 Sat	0.57	11.2	0.7	9.2	9.9	2.4	8.2	7	16	25.7	74	1.8	64	193	751	0.0	28.0
16-07-2023 Sun	0.30	10.4	0.7	9.2	9.9	2.4	6.9	8	20	25.8	75	1.9	60	166	750	0.0	20.0
17-07-2023 Mon	0.25	10.7	0.7	9.2	9.9	2.4	7.2	4	11	26.0	76	2.0	59	184	750	0.0	15.0
18-07-2023 Tue	0.41	12.3	0.7	9.2	9.9	2.4	8.2	3	9	25.6	78	2.1	46	146	751	0.0	20.0
19-07-2023 Wed	0.51	12.8	0.7	9.2	9.9	2.4	7.7	4	11	25.2	77	1.8	54	176	750	0.0	26.0
20-07-2023 Thu	0.45	11.4	0.7	9.2	9.9	2.4	7.6	4	10	25.5	77	2.2	56	182	750	0.0	13.0
21-07-2023 Fri	0.41	13.1	0.7	9.2	9.9	2.4	8.9	6	14	25.9	75	2.8	54	168	751	0.0	21.0
22-07-2023 Sat	0.53	13.7	0.7	9.2	9.9	2.4	8.9	5	13	26.2	72	2.6	53	181	751	0.0	26.0
23-07-2023 Sun	0.26	13.0	0.7	9.2	9.9	2.4	8.8	4	10	24.9	76	2.0	67	162	752	0.0	13.0
24-07-2023 Mon	0.23	12.5	0.7	9.1	9.7	2.4	8.2	5	10	25.0	76	1.7	68	125	752	0.0	13.0
25-07-2023 Tue	0.26	12.5	0.7	9.2	9.9	2.4	7.5	4	10	24.4	77	1.4	76	131	751	0.0	13.0
26-07-2023 Wed	0.54	13.0	0.7	9.2	9.9	2.4	9.0	4	9	24.4	75	1.4	71	144	752	0.0	26.0
27-07-2023 Thu	0.60	12.7	0.7	9.2	9.9	2.4	8.2	9	21	25.0	71	1.6	64	170	752	0.0	27.0
28-07-2023 Fri	0.35	14.9	0.7	9.2	9.9	2.4	8.4	6	16	25.9	66	2.2	66	190	751	0.0	18.0
29-07-2023 Sat	0.38	14.4	0.7	9.2	9.9	2.4	9.3	9	22	25.8	69	2.1	66	182	751	0.0	22.0
30-07-2023 Sun	0.27	12.7	0.7	9.2	9.9	2.4	6.5	9	22	25.9	69	2.0	66	172	751	0.0	22.0
31-07-2023 Mon	0.54	12.1	0.7	9.2	9.9	2.4	8.2	8	20	25.8	71	2.0	65	175	751	0.0	21.0
Average	0.46	12.1	0.7	9.2	9.9	2.4	8.2	6	14	25.2	76	1.8	64	153	751	0	22.0
Minimum	0.23	8.6	0.7	8.9	9.7	2.2	6.5	2	7	22.9	66	1.1	46	60	750	0.0	13.0
Maximum	0.83	15.2	0.8	9.3	9.9	3.2	9.7	10	24	26.2	85	2.8	76	193	752	0.0	41.0

KOLLAM CAAQMS MONTHLY DATA AND AQI JULY 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/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	m/s	degre	degreC	%	W/m2	mm	
01-07-2023	72.44	32.93	6.44	0.91	6.32	10.01	15.92	5.59	34	0.84	0.6	0.59	0.62	0.5	2.39	116.05	27.16	85.93	126.7	0	72
02-07-2023	70.44	32.93	5.81	0.91	6.32	10.02	15.68	5.59	34	0.84	0.6	0.59	0.62	0.5	2.61	106.71	26.88	89.5	176.5	0	70
03-07-2023	48.62	33.06	6.54	0.92	6.35	10.09	15.73	5.57	34.14	0.84	0.61	0.59	0.62	0.5	2.07	104.29	23.67	101.03	121.7	0	55
04-07-2023	64.29	32.94	7.34	0.91	6.27	9.95	15.81	5.56	34.06	0.84	0.6	0.59	0.63	0.5	1.3	82.31	23.2	99.53	196	0	64
05-07-2023	65.06	32.98	5.61	0.91	6.34	9.91	15.61	5.57	34.05	0.84	0.59	0.58	0.62	0.5	2.47	79.42	24.96	97.86	277.7	0	65
06-07-2023	66.28	32.83	5.23	0.91	6.31	10.02	15.72	5.56	33.91	0.83	0.6	0.59	0.62	0.5	2.71	89.68	25.78	93.07	213.2	0	66
07-07-2023	57.18	32.53	7.38	0.9	6.24	10.12	15.96	5.58	33.59	0.83	0.6	0.6	0.62	0.5	1.31	78.09	25.17	98.15	238.5	0	57
08-07-2023	55.41	32.96	6.86	0.91	6.33	10.04	15.71	5.66	34.05	0.84	0.61	0.59	0.63	0.5	2.24	127	25.32	94.19	152.5	0	55
09-07-2023	73.12	32.68	6.25	0.91	6.27	10.04	15.89	5.55	33.74	0.83	0.61	0.59	0.62	0.49	2.43	107.85	27.1	87.49	175.6	0	73
10-07-2023	64.05	32.89	7.44	0.91	6.32	10.03	15.96	5.54	33.97	0.84	0.6	0.6	0.62	0.5	2.2	106.21	27.38	88.25	161.7	0	64
11-07-2023	79.43	32.74	6.33	0.91	6.29	9.96	15.85	5.53	33.83	0.83	0.6	0.59	0.62	0.5	1.54	94.59	27.36	88.97	154.4	0	79
12-07-2023	83.65	32.99	6.58	0.91	6.34	10.03	15.84	5.59	34.07	0.84	0.6	0.59	0.63	0.51	2.38	92.49	27.57	86.01	167.3	0	84
13-07-2023	48.65	32.68	5.78	0.91	6.34	10.06	15.74	5.52	34.04	0.84	0.6	0.59	0.63	0.51	2.22	115.05	25.66	93.4	76.8	0	54
14-07-2023	60.17	32.99	7.2	0.91	6.34	10	15.74	5.53	34.07	0.84	0.6	0.59	0.62	0.5	2.56	105.21	26.14	89.63	128.8	0	60
15-07-2023	68.16	33.12	6.85	0.92	6.36	9.96	15.86	5.59	34.2	0.84	0.6	0.59	0.63	0.51	2.9	95.22	26.95	86.33	173.7	0	68
16-07-2023	70.57	32.89	6.53	0.91	6.32	9.99	15.77	5.59	33.97	0.84	0.6	0.59	0.63	0.5	2.82	99.8	27.29	87.9	160.3	0	71
17-07-2023	72.03	32.76	21.22	0.91	6.29	10.19	15.98	5.56	33.83	0.83	0.61	0.6	0.62	0.5	2.7	96.94	27.41	89.33	196.8	0	72
18-07-2023	86.21	33.55	6.66	0.93	6.42	10.02	15.81	5.63	34.65	0.85	0.6	0.59	0.63	0.5	3.46	65.44	27.45	87.85	139.8	0	86
19-07-2023	69.66	32.65	27.28	0.91	6.27	10.11	15.98	5.55	33.72	0.83	0.61	0.6	0.62	0.5	3.14	72.97	26.53	89.95	134.4	0	70
20-07-2023	74.33	32.89	10.65	0.91	6.32	10	15.76	5.54	33.96	0.84	0.6	0.59	0.62	0.5	2.76	85.98	27.06	91.74	155	0	74
21-07-2023	139.8	32.85	10.65	0.91	6.3	10.14	15.76	5.59	33.92	0.84	0.61	0.59	0.63	0.5	3.71	86.47	27.6	89.25	122.2	0	127
22-07-2023	87.46	32.87	10.65	0.91	6.31	10.12	15.75	5.63	33.94	0.84	0.61	0.59	0.63	0.5	3.15	89.66	28.01	87.53	152.7	0	87
23-07-2023	67.39	33.14	10.7	0.92	6.37	10.12	15.76	5.56	34.23	0.84	0.61	0.59	0.62	0.5	2.38	116.35	25.64	94.33	179.6	0	67
24-07-2023	72.87	32.93	10.66	0.91	6.32	10.03	15.92	5.6	34.01	0.84	0.62	0.59	0.63	0.5	2.27	148.77	25.6	94.16	120.7	0	73
25-07-2023	60.89	32.75	10.63	0.91	6.29	10.09	16.06	5.56	33.82	0.83	0.61	0.6	0.62	0.5	2.68	135.32	25.11	93.83	162.1	0	61
26-07-2023	63.57	33.35	10.64	0.9	6.11	9.71	15.48	5.46	33.88	0.83	0.59	0.59	0.63	0.5	2.06	124.34	25.17	92.38	95.8	0	64
27-07-2023	69.87	28.42	10.64	0.61	2.35	6.03	7.78	2.59	33.9	0.84	0.6	0.59	0.63	0.5	2.69	113	25.97	86.43	165.2	0	70
28-07-2023	74.84	32.66	10.63	0.61	2.34	6.07	7.94	2.57	33.84	0.83	0.6	0.6	0.62	0.5	3.23	116.02	27	78.87	164.6	0	75
29-07-2023	83.49	37.28	10.63	0.61	2.34	6.06	7.91	3.12	33.81	0.83	0.61	0.6	0.63	0.5	3.59	106.95	27.1	83.21	156.7	0	83
30-07-2023	85.17	38.96	10.55	0.6	2.31	6.06	7.83	2.6	33.4	0.82	0.6	0.59	0.63	0.5	3.42	108.39	27.3	84.03	153.7	0	85
31-07-2023	86	39.79	10.65	0.61	2.35	6.09	7.94	2.6	33.95	0.84	0.61	0.6	0.63	0.5	3.21	105.12	27.31	86.18	143.8	0	86
Minimum	48.62	28.42	5.23	0.6	2.31	6.03	7.78	2.57	33.4	0.82	0.59	0.58	0.62	0.49	1.3	65.44	23.2	78.87	76.8	0	54
Maximum	139.8	39.79	27.28	0.93	6.42	10.19	16.06	5.66	34.65	0.85	0.62	0.6	0.63	0.51	3.71	148.77	28.01	101.03	277.7	0	127
Average	72.29	33.32	9.26	0.86	5.67	9.39	14.53	5.11	33.95	0.84	0.6	0.59	0.62	0.5	2.48	101.81	26.38	90.2	159.5	0	73.27

KARYAVATTOM (TVM) CAAQMS MONTHLY DATA AND AQI JULY 2023

PARAMETERS	PM10	PM25	SO2	CO	NO	NO2	NOX	NH3	O3	Ben	Tolu	Ethyl	Mpxyl	OXY	TEMP	RH	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	mm	
01-07-2023	44.61	18.18	0.69	0.03	7.97	17.34	25.58	7.97	23.86	0	0.6	0	0	0	1.03	223.51	30.67	82.55	239.2	0	45
02-07-2023	35.97	18.11	1.14	0	7.92	17.34	25.5	7.92	23.78	0	0.6	0	0	0	1.03	226.16	29.96	87.57	307.8	0	36
03-07-2023	27.72	11.88	1.44	0.12	7.95	17.37	25.54	7.95	23.83	0	0.6	0	0	0	0.94	232.22	26.93	96.06	712.5	0	28
04-07-2023	30.75	13.61	1.1	0.02	7.91	17.32	25.67	7.83	23.77	0	0.6	0	0	0	0.74	204.55	26.79	96.95	0	0.2	31
05-07-2023	30.67	13.57	4.26	0.01	7.91	17.34	25.62	7.91	23.77	0	0.6	0	0	0	0.99	224.73	27.41	96.33	0	0	31
06-07-2023	35.2	13.16	2.07	0.02	7.91	17.33	25.4	7.91	23.77	0	0.6	0	0	0	1.05	224.83	28.21	92.3	0	0	35
07-07-2023	33.38	14.83	1.21	0.02	7.93	17.38	25.31	8.01	23.79	0	0.6	0	0	0	0.87	227.3	28.48	93.96	0	0	33
08-07-2023	33	16.87	0.82	0.01	7.89	17.39	25.62	7.89	23.74	0	0.6	0	0	0	0.91	235.36	29.12	87.62	0	0	33
09-07-2023	34.71	14.26	2.31	0.01	7.92	17.37	25.22	7.92	23.78	0	0.6	0	0	0	1.17	230.23	30.24	82.38	480.9	0	35
10-07-2023	42.17	17.36	0.39	0.01	7.89	17.38	25.31	8.01	23.74	0	0.6	0	0	0	28.43	87.65	0.97	230.1	440.2	0	42
11-07-2023	47.31	20.64	0.84	0.01	7.91	17.39	25.62	7.89	23.48	0	0.6	0	0	0	30.31	82.83	0.82	225.4	410.5	0	47
12-07-2023	45.29	20.23	3.01	0.01	7.93	17.37	25.22	7.92	23.68	0	0.6	0	0	0	30.63	83.28	1.21	231	369.2	0	45
13-07-2023	41.1	21.72	0.98	0.02	7.92	17.37	25.62	7.89	23.79	0	0.4	0	0	0	30.4	96.93	0.85	235.6	371.4	0	41
14-07-2023	34.62	21.56	2.06	0.01	7.93	17.37	25.64	8.01	23.77	0	0.5	0	0	0	29.61	99.87	0.92	220.8	365.2	0	36
15-07-2023	34.41	16.38	1.12	0.01	7.87	17.39	25.62	8.02	23.79	0	0.5	0	0	0	29.93	93.96	0.95	230.3	370.4	0	34
16-07-2023	40.39	17.46	2.05	0.01	7.83	17.38	25.38	7.94	23.81	0	0.5	0	0	0	30.09	87.62	0.87	232.6	395.4	0	40
17-07-2023	42.21	16.64	3.21	0.02	7.72	17.38	25.47	8.09	23.95	0	0.6	0	0	0	30.26	87.99	0.98	229.1	407.6	0	42
18-07-2023	39.82	13.78	3.69	0.03	7.81	17.39	25.69	8.13	23.58	0	0.6	0	0	0	30.53	93.18	1.71	229.6	412.8	0	40
19-07-2023	37.31	14.95	1.16	0.03	7.97	17.31	25.61	7.98	23.75	0	0.5	0	0	0	30.19	96.39	1.58	231.7	400.3	0	37
20-07-2023	35.17	15.36	3.1	0.01	7.93	17.37	25.61	7.93	23.71	0	0.4	0	0	0	29.5	87.92	1.28	230.2	398.2	0	35
21-07-2023	38.38	10.93	4	0.02	7.87	17.63	25.58	8.06	23.74	0	0.6	0	0	0	29.83	87.53	0.86	235.6	395.4	0	38
22-07-2023	38.91	11.46	1.45	0.01	7.85	17.65	25.84	7.81	23.73	0	0.4	0	0	0	29.19	87.31	0.85	238.4	391.1	0	39
23-07-2023	38.65	11.67	1.18	0.01	7.87	17.35	25.64	7.7	23.74	0	0.4	0	0	0	29.01	87.25	1.13	212.5	387.4	0	39
24-07-2023	37.47	11.97	0.91	0.02	7.73	17.48	25.48	7.34	23.26	0	0.4	0	0	0	28.24	94.35	0.85	237.4	398	0	37
25-07-2023	38.24	10.37	0.53	0.08	7.85	17.37	25.86	7.65	23.35	0	0.4	0	0	0	29.23	85.78	1.06	239	310.1	0	38
26-07-2023	38.02	10.13	1.11	0.03	7.87	17.54	25.91	7.82	24.74	0	0.4	0	0	0	28.68	86.48	1.03	237.5	230.8	0	38
27-07-2023	37.89	10.6	1.23	0.56	7.87	7.89	25.41	7.87	25.25	0	0	0	0	0	29.52	80.31	1.12	223.4	89	0	38
28-07-2023	37.23	8.52	4.62	0.67	7.88	7.83	25.37	7.88	25.58	0	0	0	0	0	30.57	73.02	1.41	224.1	102.6	0	37
29-07-2023	35.29	13.5	4.56	0.75	7.85	7.81	25.33	7.85	25.13	0	0	0	0	0	30.42	77.95	1.37	222.9	100.6	0	38
30-07-2023	35.93	14.14	3.44	0.77	7.94	7.83	25.28	7.94	25.55	0	0	0	0	0	30.58	78.5	1.33	223.6	102.6	0	39
31-07-2023	33.99	12.2	1.57	0.76	7.91	7.85	25.56	7.91	25.39	0	0	0	0	0	30.47	80.58	1.3	222.1	101.2	0	38
Minimum	27.72	8.52	0.39	0	7.72	7.81	25.22	7.34	23.26	0	0	0	0	0	0.74	73.02	0.82	82.38	0	0	28
Maximum	47.31	21.72	4.62	0.77	7.97	17.65	25.91	8.13	25.58	0	0.6	0	0	0	30.63	235.36	30.67	239	712.5	0.2	47
Average	37.30	14.74	2.01	0.15	7.88	15.61	25.53	7.89	24.04	0	0.4	0	0	0	21.08	128.91	9.51	187.27	284.94	0.01	37.58

KANNUR CAAQMS MONTHLY DATA AND AQI JULY 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	
01-07-2023	76.59	39.12	1.15	0.17	4.37	12.84	17.21	7.5	13.06	0	0	0	0	0	4.05	248.55	34.54	52.54	163.65	0.12	77
02-07-2023	76.87	39.26	1.04	0.18	4.37	12.83	17.21	7.5	13.13	0	0	0	0	0	4.31	249.99	33.9	51.9	82.04	0.25	77
03-07-2023	77.17	39.42	2.36	0.34	4.38	12.84	17.22	7.5	13.2	0	0	0	0	0	4	248.86	33.6	51.6	42.27	0.95	77
04-07-2023	77.02	39.34	2.63	0.4	4.38	12.84	17.22	7.5	13.17	0	0	0	0	0	2.77	241.9	33.79	51.79	61.59	0.58	77
05-07-2023	77.59	39.33	0.76	0.58	4.38	11.41	15.79	7.5	13.34	0	0	0	0	0	4.23	247.41	31.44	51.23	88.1	1.02	78
06-07-2023	76.05	38.11	1.23	0.76	4.37	11.52	15.89	7.6	13.41	0	0	0	0	0	4.11	243.56	32.1	50.89	78.41	0.88	76
07-07-2023	77.11	34.41	2.56	0.43	4.37	11.44	15.81	7.4	13.08	0	0	0	0	0	2.13	247.89	31.24	53.1	88.41	0.12	77
08-07-2023	77.69	35.75	1.85	0.94	4.38	12.84	17.22	7.5	13.59	0	0	0	0	0	3.11	248.22	33.4	52.79	88.35	0.4	78
09-07-2023	77.56	38.78	1.73	0.62	4.38	12.11	16.49	7.4	13.07	0	0	0	0	0	4.22	249.55	32.41	51.46	76.96	0	78
10-07-2023	76.88	38.39	2.11	0.47	4.37	12.84	17.21	7.4	13.14	0	0	0	0	0	4.18	248.77	33.2	51.96	90.37	0	77
11-07-2023	77.41	37.37	2.38	0.43	4.37	12.44	16.81	7.5	13.03	0	0	0	0	0	4.23	247.31	33.1	52.5	93.86	0.32	77
12-07-2023	77.36	39.07	3.12	0.31	4.37	11.51	15.88	7.6	13.04	0	0	0	0	0	4.11	248.72	32.86	51.2	92.47	0.27	77
13-07-2023	76.66	38.88	2.46	0.42	4.38	12.81	17.19	7.6	13.51	0	0	0	0	0	4.77	248.61	32.41	51.7	88.62	0	77
14-07-2023	72.41	35.96	0.76	0.22	3.21	12.05	15.77	6.58	19.36	0.14	0.03	0.14	0.03	0	5.23	254.97	34.62	52.62	170.92	0	72
15-07-2023	69.75	33.73	1.16	0.32	3.83	11.87	15.44	6.23	25.91	0.5	0.1	0.5	0.1	0	4.6	250.73	34.5	52.5	156.65	0.03	70
16-07-2023	69.87	33.81	0.94	0.22	3.85	11.86	15.5	6.24	25.95	0.5	0.1	0.5	0.1	0	5.29	256.43	34.72	52.72	189.12	0.18	70
17-07-2023	69.7	33.69	1.16	0.17	3.83	11.76	15.49	6.25	25.89	0.5	0.1	0.5	0.1	0	5.06	253.89	34.19	52.19	119.53	0.31	70
18-07-2023	69.36	33.42	0.57	0.25	3.78	11.84	15.65	6.24	25.78	0.5	0.1	0.5	0.1	0	4.27	262.24	34.9	52.9	210.18	0.03	69
19-07-2023	69.12	33.24	5.47	0.22	3.75	11.77	15.53	6.12	25.71	0.5	0.1	0.5	0.1	0	5.58	261.22	34.47	52.47	154.99	0.06	70
20-07-2023	69.24	33.34	4.39	0.48	3.77	11.9	15.7	6.21	25.75	0.5	0.1	0.5	0.1	0	3.62	247.53	34.91	52.91	211.07	0.2	69
21-07-2023	69.74	33.71	2.48	0.12	3.83	11.8	15.61	6.16	25.9	0.5	0.1	0.5	0.1	0	3.14	245.38	34.51	52.51	157.68	0.11	70
22-07-2023	69.72	33.7	6.15	0.13	3.82	11.87	15.38	6.21	25.9	0.5	0.1	0.5	0.1	0	2.62	242.32	33.9	51.9	75.7	2.14	68
23-07-2023	69.45	33.63	4.12	0.41	3.45	11.41	14.86	6.41	25.74	0.5	0.1	0.5	0.1	0	3.12	242.86	33.41	52.12	123.41	0.21	69
24-07-2023	68.68	33.78	1.89	0.65	3.86	11.63	15.49	6.28	25.96	0.5	0.1	0.5	0.1	0	3.45	245.32	32.1	57.41	121.41	2.04	69
25-07-2023	69.75	33.45	3.42	0.4	3.76	12.01	15.77	6.87	25.41	0.5	0.1	0.5	0.1	0	3.56	245.61	31.21	57.41	210.41	0.45	70
26-07-2023	69.71	37.41	1.45	0.38	3.91	12.45	16.36	6.14	25.68	0.5	0.1	0.5	0.1	0	3.12	245.17	32.41	57.31	199.45	2.81	70
27-07-2023	69.94	33.56	7.37	0.46	3.86	11.68	15.59	6.05	25.97	0.5	0.1	0.5	0.1	0	3.1	243.53	34.03	52.03	103.86	0.05	70
28-07-2023	69.66	33.53	1.97	0.34	3.82	11.86	15.44	6.18	25.88	0.5	0.1	0.5	0.1	0	3.77	246.76	34.39	52.39	144.92	0.08	70
29-07-2023	69.44	33.57	3	0.23	3.79	11.79	15.53	6.18	25.81	0.5	0.1	0.5	0.1	0	4.46	252.65	34.63	52.63	173.35	0.02	69
30-07-2023	69.6	33.6	4.6	0.25	3.81	11.88	15.48	6.2	25.86	0.5	0.1	0.5	0.1	0	3.71	247.47	34.46	52.46	151.03	0.03	70
31-07-2023	69.31	33.39	0.4	0.2	3.78	11.75	15.56	6.12	25.77	0.5	0.1	0.5	0.1	0	3.14	243.57	34.65	52.65	178.32	0.14	69
Minimum	68.68	33.24	0.4	0.12	3.21	11.41	14.86	6.05	13.03	0	0	0	0	0	2.13	241.9	31.21	50.89	42.27	0	68
Maximum	77.69	39.42	7.37	0.94	4.38	12.84	17.22	7.60	25.97	0.50	0.10	0.50	0.10	0.00	5.58	262.24	34.91	57.41	211.07	2.81	78.00
Average	72.81	35.77	2.56	0.38	4.01	12.05	16.04	6.78	20.27	0.28	0.06	0.28	0.06	0.00	3.90	248.82	33.52	52.79	128.50	0.50	72.82

ELOOR (EKM) CAAQMS MONTHLY DATA AND AQI JULY 2023

PARAMETERS	PM10	PM2.5	SO2	CO	NO	NO2	NOX	NH3	O3	WS	WD	TC	HR	RG	AQI
UNIT	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	m/s	degre	degreC	%	mm	
01-07-2023	68.66	29.92	3.5	0.92	3.8	7.27	10.93	3.38	24.19	1.35	311.64	34.38	95.93	0	67
02-07-2023	67.87	29.59	3.46	0.91	3.75	7.11	10.82	3.38	23.91	0.73	311.95	32.83	97.47	0	68
03-07-2023	69.2	30.14	3.53	0.93	3.83	7.01	11.21	3.2	24.38	0.72	101.3	29.79	97.55	0	68
04-07-2023	64.71	29.65	3.22	0.9	3.7	7.14	10.84	3.5	23.56	0.14	274.64	27.45	100.21	0.59	65
05-07-2023	66.63	29.07	3.38	0.89	3.67	7.13	10.81	3.4	23.46	0.14	274.64	27.45	100.23	0.64	67
06-07-2023	68.2	29.72	3.48	0.92	3.77	7.16	10.84	3.34	24.03	0.45	319.74	28.38	99.41	0.16	68
07-07-2023	68.69	29.92	3.5	0.92	3.8	7.18	10.94	3.4	24.2	0.09	305.99	28.35	99.68	0.71	69
08-07-2023	68.52	29.86	3.49	0.92	3.79	7.12	10.84	3.36	24.14	0.12	15.74	28.47	99.5	9.13	69
09-07-2023	67.76	29.54	3.46	0.91	3.74	7.12	10.83	3.37	23.87	0.64	319.24	31.1	99.53	2.64	68
10-07-2023	68.8	29.97	3.51	0.92	3.8	7.07	10.86	3.37	24.24	0.24	67.3	31.76	99.09	0	69
11-07-2023	67.76	29.54	3.46	0.91	3.74	7.14	10.77	3.39	23.87	0.31	320.52	30.33	99.13	7.04	68
12-07-2023	67.59	29.47	3.45	0.91	3.72	7.06	10.75	3.47	23.8	0.28	100.66	27.64	99.12	21.2	68
13-07-2023	67.62	29.51	3.61	0.9	3.71	7.68	10.52	3.41	23.7	0.27	247.16	28.45	68.41	0.75	68
14-07-2023	68.11	29.67	3.21	0.89	3.75	7.12	10.87	3.51	23.9	0.24	247.63	30.12	72.41	0.86	68
15-07-2023	67.49	29.43	3.44	0.91	3.72	7.06	10.76	3.41	23.77	0.72	299.62	29.21	98.79	0	67
16-07-2023	68.23	29.74	3.48	0.92	3.77	7.2	10.81	3.39	24.03	0.52	315.1	29.24	98.82	0	68
17-07-2023	68.03	29.65	3.47	0.91	3.75	7.24	10.89	3.33	23.96	1.04	319.15	29.16	98.84	0	68
18-07-2023	67.52	29.44	3.43	0.91	3.72	7.21	10.82	3.38	23.78	1.09	285.31	29.64	98.71	0	68
19-07-2023	66.31	28.94	3.39	0.89	3.68	7.15	10.79	3.4	23.34	1.02	287.18	29.08	98.88	0	66
20-07-2023	67.38	29.38	3.44	0.9	3.72	7.08	10.62	3.41	23.73	0.77	301.13	28.89	98.88	0	67
21-07-2023	68.01	29.77	3.51	0.91	3.86	7.56	10.96	3.74	23.89	0.96	300.41	28.81	98.73	0.4	68
22-07-2023	67.44	29.1	3.42	0.85	3.95	7.96	10.45	3.81	23.45	0.89	297.41	28.47	98.81	0.71	67
23-07-2023	63.55	29.35	3.78	0.92	3.45	7.81	10.63	3.91	24.77	0.79	278.51	28.96	98.45	0.98	64
24-07-2023	67.99	29.64	3.47	0.91	3.75	7.17	10.72	3.36	23.95	0.41	328.82	26.45	99.12	0	68
25-07-2023	68.18	29.67	3.48	0.91	3.76	7.07	10.91	3.38	24.02	0.74	328.55	25.89	99.34	0	68
26-07-2023	68.96	29.57	3.51	0.91	3.75	7.24	10.46	3.37	24.3	0.3	20.36	25.75	99.12	0	68
27-07-2023	67.08	29.66	3.42	0.91	3.75	7.2	10.59	3.37	23.62	0.82	337.67	28.55	97.19	0	67
28-07-2023	67.9	29.66	3.46	0.91	3.76	7.13	10.97	3.4	23.92	0.9	338.62	27.67	95.02	0	68
29-07-2023	67.22	29.31	3.43	0.9	3.7	6.95	10.66	3.35	23.67	0.58	332.32	28.2	99.78	0	67
30-07-2023	68.56	29.87	3.49	0.92	3.79	7.15	10.91	3.37	24.15	1.2	322.3	28.8	97.63	0.02	69
31-07-2023	67	29.23	3.42	0.9	3.69	7.11	10.88	3.38	23.59	1.21	318.24	29.05	98.04	0	67
Minimum	63.55	28.94	3.21	0.85	3.45	6.95	10.45	3.2	23.34	0.09	15.74	25.75	68.41	0	64
Maximum	69.2	30.14	3.78	0.93	3.95	7.96	11.21	3.91	24.77	1.35	338.62	34.38	100.23	21.2	69
Average	67.64	29.58	3.46	0.91	3.75	7.21	10.80	3.43	23.91	0.63	265.45	28.98	96.83	1.48	67.58