

MONTHLY DATA AND AQI APRIL 2023 PLAMOOD(TVM) CAAQMS

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
01-04-2023 Sat	0.71	21.1	1.0	8.8	9.7	3.7	6.5	11	38	26.4	69.5542	1.50833	73	196.71	755.7	0	38.0
02-04-2023 Sun	0.41	17.8	1.0	8.8	9.7	3.7	7.8	7	31	26.4	69.3958	1.46667	64.917	181.55	755.5	0	31.0
03-04-2023 Mon	0.43	21.1	1.0	8.8	9.8	3.6	9.7	14	44	26.2	70.4667	1.3	69.583	166.56	754.2	0.5	44.0
04-04-2023 Tue	0.41	22.6	1.0	8.8	9.8	3.6	8.5	10	31	25.2	73.4583	0.96667	78.125	136.75	753.1	9	31.0
05-04-2023 Wed	0.58	22.2	1.0	8.8	9.8	3.6	9.7	16	42	25.9	72.3458	0.95	72.5	182.55	752.8	0	42.0
06-04-2023 Thu	0.47	23.4	1.0	8.8	9.8	3.7	7.9	10	32	26.1	72.6167	1.15	73.125	200.5	755.8	83	32.0
07-04-2023 Fri	0.41	22.0	1.0	8.8	9.8	3.6	5.8	9	29	26.2	71.8375	0.9125	81.25	203.05	756.5	0	29.0
08-04-2023 Sat	0.50	22.9	1.0	8.8	9.7	3.6	9.0	14	40	26.6	70.8583	0.97083	81.417	175.73	757.3	0	40.0
09-04-2023 Sun	0.66	16.2	1.0	8.8	9.8	3.7	8.6	14	43	25.7	71.8625	0.81667	80.083	161.36	758.3	0	43.0
10-04-2023 Mon	1.29	11.7	1.0	8.8	9.7	3.7	6.7	16	37	26.1	73.325	1.19583	70.792	202.86	758.2	0	37.0
11-04-2023 Tue	1.00	13.6	1.0	8.8	9.7	3.6	7.9	17	39	26.6	70.2583	1.07917	66.542	185.35	758.4	0	39.0
12-04-2023 Wed	0.70	19.5	1.0	8.7	9.7	3.7	9.4	21	50	26.9	70.3	1.0875	66.583	179.38	758	0	50.0
13-04-2023 Thu	0.63	20.1	1.0	8.7	9.7	3.7	9.2	26	54	27.1	71.7833	1.15	61.125	183.29	758.1	0	54.0
14-04-2023 Fri	0.48	19.8	1.0	8.8	9.8	3.7	9.1	28	56	27.4	71.5167	1.32083	63.833	188.87	757.9	0	56.0
15-04-2023 Sat	0.39	20.1	1.0	8.8	9.8	3.7	7.6	23	52	27.3	70.9167	1.56667	65	182.04	757.3	0	52.0
16-04-2023 Sun	0.37	19.2	1.0	8.8	9.7	3.7	9.1	21	50	27.2	70.9083	1.40833	62.75	183.2	756.6	0	50.0
17-04-2023 Mon	0.78	19.8	1.0	8.8	9.8	3.7	8.3	23	53	27.4	70.3583	1.39583	62.375	188.86	756.7	0	53.0
18-04-2023 Tue	0.79	19.5	1.0	8.8	9.7	3.7	8.0	27	59	27.4	72.0333	1.275	69.25	194.01	757.3	1.5	59.0
19-04-2023 Wed	0.50	19.6	1.0	8.8	9.7	3.7	8.6	21	51	27.3	72.1625	1.3125	64.625	188.04	756.3	0	51.0
20-04-2023 Thu	0.68	20.7	1.0	8.8	9.7	3.7	7.5	20	47	27.3	72.6792	1.36667	68.292	175.6	755.1	3	47.0
21-04-2023 Fri	0.80	18.9	1.0	8.7	9.7	3.7	9.1	14	37	27.1	72.4125	1.225	60.625	167.77	755.1	10	40.0
22-04-2023 Sat	0.39	17.2	1.0	8.8	9.7	3.7	7.4	16	41	27.6	67.7333	1.62917	66.792	195.15	754.9	0	41.0
23-04-2023 Sun	0.37	17.7	1.0	8.8	9.7	3.7	9.0	19	45	27.6	67.9917	1.50417	71.208	196.6	754.8	0	45.0
24-04-2023 Mon	0.42	19.6	1.0	8.7	9.7	3.7	8.5	14	39	27.6	66.575	1.05833	72.917	195.61	755.6	0	39.0
25-04-2023 Tue	0.63	20.7	1.0	8.8	9.8	3.7	7.4	15	37	26.8	71.7167	0.825	78.375	146.63	756.3	4	37.0
26-04-2023 Wed	0.61	13.2	1.0	8.7	9.7	3.7	8.8	9	25	25.6	74.9542	0.82917	88.458	129.6	756.4	46	31.0
27-04-2023 Thu	0.80	15.8	1.0	8.8	9.7	3.7	7.3	13	35	26.1	75.0625	0.6875	75.458	145.41	756.1	2.5	40.0
28-04-2023 Fri	0.77	16.4	1.0	8.7	9.7	3.7	8.6	14	35	25.8	76.1958	0.72917	79.208	131.42	756.7	2	39.0
29-04-2023 Sat	0.80	14.7	1.0	8.8	9.8	3.7	8.4	9	23	24.9	79.3958	0.725	80.25	114.3	756.4	2	40.0
30-04-2023 Sun	1.02	17.6	1.0	8.7	9.7	3.7	7.3	9	28	25.8	75.725	0.70833	85.333	145.13	755.2	49	28.0
Average	0.63	18.8	1.0	8.8	9.7	3.7	8.2	16	41	26.6	71.88	1.13736	71.793	174.13	756.2		41.0
Minimum	0.37	11.7	1.0	8.7	9.7	3.6	5.8	7	23	24.9	66.575	0.6875	60.625	114.3	752.8	0	28.0
Maximum	1.29	23.4	1.0	8.8	9.8	3.7	9.7	28	59	27.6	79.3958	1.62917	88.458	203.05	758.4	83	59.0

MONTHLY DATA AND AQI APRIL 2023 KARYAVATTAM CAAQMS

PARAMETERS	PM10	PM2.5	SO2	CO	NO	NO2	NOX	NH3	O3	BEN	TOLU	ETHYL	MP	OXY	WS	WD	TC	RH	SR	RQ	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	m/s	degre-----	degreC	%	W/m2	m m	
01-04-2023	55.05	21.95	2.52	0.06	9.6	18.89	25.6	9.6	24.97	0	0.6	0	0	0	1.36	203.79	31.45	76.11	251.6	0	58
02-04-2023	37.36	16.11	1.22	0.03	9.62	18.84	25.53	9.62	25	0	0.6	0	0	0	1.46	203.18	31.67	74.24	138.58	0	46
03-04-2023	55.69	21.27	3.14	0.06	9.64	18.87	25.5	9.64	25.03	0	0.6	0	0	0	1.35	206.47	31.54	75.28		0	47
04-04-2023	51.46	21	1.51	0.12	9.27	19.05	25.58	9.3	25.06	0	0.6	0	0	0	0.8	218.93	30.06	80.7	265.42	0	54
05-04-2023	44.71	19.34	1.63	0.02	8.98	19.23	25.39	8.98	25.12	0	0.6	0	0	0	0.23	204.56	31.07	78.97	239.21	0	48
06-04-2023	48.9	22.2	0.27	0.03	8.93	19.22	25.56	8.93	25.01	0	0.6	0	0	0	0.36	214.19	31.52	81.21	265.57	0.01	47
07-04-2023	35.32	18.1	0.95	0.03	8.97	19.26	25.65	8.97	25.1	0	0.6	0	0	0	0.18	165.22	31.5	80.27	324.18	0.01	42
08-04-2023	37.02	19.84	0.85	0	8.91	19.27	25.82	8.87	24.98	0	0.6	0	0	0	0.31	16.35	31.95	78.36	303.44	0	36
09-04-2023	42.59	22.41	2.01	0	8.91	19.27	25.37	8.91	24.98	0	0.6	0	0	0	0.16	291.81	30.53	79.2	278.94	0.02	40
10-04-2023	43.77	21.87	3.06	0.07	8.95	19.21	25.47	8.95	25.05	0	0.6	0	0	0	0.15	105.99	31.29	79.43	264.41	0	43
11-04-2023	43.76	22.47	0.67	0.03	8.87	19.24	25.6	8.87	24.9	0	0.6	0	0	0	0.12	74.44	31.77	76.48	241.04	0	44
12-04-2023	56.29	28.78	0.92	0.01	8.94	19.19	25.65	8.88	25.05	0	0.6	0	0	0	0.19	49.93	32.36	75.99	239.03	0	50
13-04-2023	71	37.94	0.41	0.04	8.93	19.22	25.49	8.93	25.01	0	0.6	0	0	0	0.18	161.13	32.66	79.02	239.05	0	64
14-04-2023	68.41	32.57	0.14	0.01	8.91	19.18	25.4	8.91	24.98	0	0.6	0	0	0	0.89	210.09	32.94	78.68	239.04	0	70
15-04-2023	64.05	31.7	0.62	0.11	8.92	19.22	25.4	8.92	25	0	0.6	0	0	0	1.25	210.8	32.87	77.64	239.02	0	68
16-04-2023	58.53	27.59	2.88	0	8.94	19.27	25.62	8.94	25.04	0	0.6	0	0	0	1.05	213.21	32.74	76.92	239.05	0	61
17-04-2023	68.68	43.34	0.51	0.01	8.91	19.25	25.81	8.91	24.99	0	0.6	0	0	0	1.07	215.59	33.02	75.99	239.06	0	64
18-04-2023	70.03	36.31	0.49	0.02	8.88	19.22	25.34	8.88	24.93	0	0.6	0	0	0	0.5	212.6	33.29	78.35	239.11	0	69
19-04-2023	62.47	30.95	2.34	0.07	8.93	19.26	25.6	8.93	25.01	0	0.6	0	0	0	0.55	204.28	33.21	79.08	239.15	0	66
20-04-2023	59.89	27.94	0.94	0.06	8.91	19.2	25.6	8.91	24.99	0	0.6	0	0	0	0.5	212.42	32.69	82.77	290.65	0.01	61
21-04-2023	47.86	22.61	1.33	0.03	8.96	19.24	25.65	8.96	25.08	0	0.6	0	0	0	0.83	205.19	32.21	83.24	274	0	54
22-04-2023	51.56	23.9	1.61	0	8.94	19.19	25.7	8.94	25.04	0	0.6	0	0	0	1.33	211.88	33.07	72.93	239.08	0.01	50
23-04-2023	54.43	25.05	1.62	0	8.95	19.21	25.65	8.95	25.05	0	0.6	0	0	0	1.27	213.23	33.1	73.48	239.09	0	53
24-04-2023	51.28	17.5	0.23	0.01	8.91	19.25	25.57	8.91	24.99	0	0.6	0	0	0	0.68	216.49	33.15	71.66	239.1	0	83
25-04-2023	44.69	13.55	3.74	0.04	8.94	19.25	25.33	8.94	25.04	0	0.6	0	0	0	0.42	22.43	32.13	79.73	253.33	0	48
26-04-2023	41.14	10.28	0.31	0.05	8.86	19.23	25.43	8.9	24.9	0	0.6	0	0	0	0.32	324.38	30.81	82.55	290.36	0	43
27-04-2023	36.49	7.21	0.46	0.16	8.91	19.24	25.62	8.91	24.98	0	0.6	0	0	0	0.1	15.58	31	85.9	274.56	0	39
28-04-2023	45.69	8.05	0.85	0.03	8.87	19.31	25.65	8.87	24.91	0	0.6	0	0	0	0.32	14.97	30.79	86.51	298.59	0	41
29-04-2023	35.39	5.8	1.1	0.02	8.97	19.22	25.52	8.97	25.09	0	0.6	0	0	0	0.16	335.93	29.54	92.34	331.19	0	41
30-04-2023	32.4	5.34	1.84	0	8.91	19.23	25.55	8.91	24.98	0	0.6	0	0	0	0.38	24.21	30.93	84.27	241.25	0	34
Minimum	32.4	5.34	0.14	0	8.86	18.84	25.33	8.87	24.9	0	0.6	0	0	0	0.1	14.97	29.54	71.66	138.58	0	34
Maximum	71	43.34	3.74	0.16	9.64	19.31	25.82	9.64	25.12	0	0.6	0	0	0	1.46	335.93	33.29	92.34	331.19	0.02	83
Average	50.53	22.1	1.34	0.04	9	19.19	25.56	9	25.01	0	0.6	0	0	0	0.46	211.32	31.9	79.24		0	52.53

KOLLAM CAAQMS MONTHLY DATA APRIL 2023

PARAMETER	PM10	PM2.5	SO ₂ _	CO	NO_	NO ₂	Nox	NH ₃	O ₃	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	
01-04-2023	81.01	48.37	6.54	0.98	6.02	11.1	17.09	8.95	6.6	0.31	0.26	0.17	0.22	0.33	3.69	87.2	29.76	71.8	217.5	0	81
02-04-2023	78.06	46.3	7.81	1.07	5.16	10.2	15.36	9.82	9.81	0.57	0.48	0.33	0.41	0.62	2.11	98.68	28.64	75.58	167.4	0	78
03-04-2023	68.56	38.94	5.62	0.96	5.95	11	16.97	9.01	6.96	0.49	0.34	0.26	0.32	0.48	2.52	108.2	28.62	75.9	178.6	0	69
04-04-2023	51.51	32.99	6.95	0.89	7.03	12.2	19.2	7.92	6.92	0.44	0.23	0.2	0.25	0.37	1.89	118.2	27.01	82.36	179.2	0	55
05-04-2023	58.6	34.24	5.7	0.72	5.26	10.4	15.71	9.64	8.65	0.32	0.35	0.29	0.33	0.33	1.17	40.67	27.93	80.6	177.3	0	59
06-04-2023	68.05	26.75	6.46	0.59	5.22	10.5	15.67	9.66	12.01	0.22	0.45	0.37	0.41	0.29	0.99	75.58	28.27	82.87	222.8	0	68
07-04-2023	41.52	29.79	7.6	0.66	5.2	11	16.18	9.38	11.22	0.12	0.25	0.2	0.22	0.16	1.28	48.54	27.91	83.64	231.7	0	50
08-04-2023	63.84	30.57	6.4	0.51	5.01	10.2	15.17	9.91	14.33	0.48	0.5	0.44	0.58	0.37	1.54	314.3	30.33	70.69	180	0	64
09-04-2023	47.81	30.26	6.59	0.49	5.25	10.5	15.7	9.64	5.99	0.49	0.52	0.45	0.61	0.38	2.36	153.4	26.72	87.98	23.5	0	50
10-04-2023	70.13	31.9	12.8	0.7	5.44	12.9	18.4	8.36	12.1	0.15	0.16	0.14	0.18	0.12	0.42	17.93	29.43	70.73	248.7	0	70
11-04-2023	95.51	33.68	7.26	0.77	5.13	10.5	15.61	9.69	15.38	0	0	0	0	0	0.14	200.4	28.89	76.49	177.3	0	96
12-04-2023	111.9	33.97	7.65	0.78	5.29	10.4	15.66	9.67	15.98	0	0	0	0	0	0.64	24.74	29.29	78.94	169.7	0	108
13-04-2023	145.1	34.26	7.03	0.78	5.19	10.3	15.51	9.74	14.15	0	0	0	0	0	0.9	17.94	29.31	82.71	173.5	0	130
14-04-2023	114.5	33.37	0	0.77	12.84	21.8	34.63	15.81	36.27	0	0	0	0	0	1.15	109.2	29.33	82.47	29.7	0	110
15-04-2023	106.4	33.48	5.27	0.79	10.88	17.5	28.42	10.66	30.39	0	0	0	0	0	2.21	105.9	29.67	78.72	149.9	0	104
16-04-2023	92.35	33.84	7.5	0.78	8.69	19.2	27.92	5.43	40.17	0	0	0	0	0	1.68	79.99	29.47	78.72	160.4	0	92
17-04-2023	102.9	40.66	6.23	0.92	6.42	12.9	19.3	7.8	8.46	0.4	0.3	0.33	0.44	0.26	1.63	79.38	29.52	79.53	165.1	0	102
18-04-2023	137.2	45.92	6.8	1.03	6.54	14.3	20.84	6.98	7.26	0.71	0.54	0.59	0.8	0.46	1.46	60.87	29.72	82.4	149.7	0	125
19-04-2023	77.49	46.16	7.48	1.03	7.33	16.3	23.67	6.62	7.54	0.72	0.54	0.59	0.8	0.46	1.67	51.79	29.84	82	152.5	0	77
20-04-2023	48.25	29.24	6.78	1.03	5.37	12.5	17.89	8.47	7.94	0.72	0.55	0.6	0.8	0.46	2.02	75.29	30.13	78.14	158.9	0	49
21-04-2023	58.31	34.99	6.84	1.05	10.48	18.2	28.64	4.94	7.77	0.73	0.54	0.59	0.79	0.46	1.4	67.84	29.31	76.89	146.7	0	58
22-04-2023	84.31	46.24	6.73	1.03	14.14	22.3	36.46	2.8	9.41	0.72	0.54	0.59	0.8	0.46	2.26	104.3	29.49	73.32	161	0	84
23-04-2023	62.46	46.36	7.35	1.04	8.61	15.9	24.5	5.21	9.6	0.72	0.54	0.6	0.8	0.47	2.26	98.6	29.83	76.61	158.9	0	77
24-04-2023	52.43	39.89	8.07	0.86	5.71	11.4	17.1	8.92	9.9	0.37	0.29	0.31	0.41	0.24	1.67	110.3	29	77.18	192.7	0	66
25-04-2023	74.1	32.8	4.81	0.67	5.41	10.8	16.24	9.38	12.34	0	0	0	0	0	1.02	19.38	28.94	80.53	196.6	0	74
26-04-2023	47.43	29.63	3.84	1	5.41	10.8	16.21	9.36	9.95	0.61	0.47	0.54	0.67	0.42	0.3	90.14	28.61	78.73	206.9	0	49
27-04-2023	104.3	31.2	3.66	1.02	5.18	10.5	15.73	9.62	8.55	0.65	0.5	0.58	0.71	0.45	0.47	219.2	27.55	84	113.2	0	103
28-04-2023	71.79	31.58	6.81	0.92	5.17	10.4	15.59	9.69	7.8	0.46	0.36	0.41	0.51	0.33	0.66	305.3	28.38	81.04	128.8	0	72
29-04-2023	91.18	42.43	7.13	0.69	5.18	10.4	15.61	9.81	6.82	0	0	0	0	0	0.55	134	26.9	89.94	179.4	0	91
30-04-2023	78.99	42.83	6.65	0.7	5.33	10.7	16.01	9.48	6.73	0	0	0	0	0	0.45	66.25	28.25	82.25	184.8	0	79
Minimum	41.52	26.75	0	0.49	5.01	10.2	15.17	2.8	5.99	0	0	0	0	0	0.14	17.93	26.72	70.69	23.5	0	49
Maximum	145.1	48.37	12.8	1.07	14.14	22.3	36.46	15.81	40.17	0.73	0.55	0.6	0.8	0.62	3.69	314.3	30.33	89.94	248.7	0	130
Average	79.54	36.42	6.55	0.84	6.66	12.91	19.57	8.75	12.23	0.35	0.29	0.29	0.37	0.26	1.42	102.78	28.87	79.43	166.08	0.00	79.67

ELOOR(EKM) CAAQMS MONTHLY DATA APRIL 2023

PARAMETERS	PM10_	PM2.5_	SO ₂ _	CO_	NO_	NO ₂ _	Nox	NH ₃	O ₃ _	WS	WD_	TC_	HR_	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	%	m m	
01-04-2023	85.49	44.59	0.87	0.61	7.48	15.07	22.76	7.14	24.48	0.72	310.26	31.01	84.33	0	85
02-04-2023	65.76	28.77	1.23	0.61	7.47	15.31	22.57	7.24	21.94	0.39	74.89	28.84	97.13	0	66
03-04-2023	73.24	30.71	4.29	0.83	5.11	12.32	17.43	11.65	30.84	1.83	210.38	32.47	80.94	0	73
04-04-2023	80.94	34.82	5.76	0.24	4.63	8.62	13.25	22.54	17.12	1.42	196.17	36.3	79.63	0	81
05-04-2023	69.13	28.24	1.24	0.6	7.34	15.62	22.61	7.33	21.52	1.14	23.24	35.17	96.85	0	69
06-04-2023	77.02	36.43	9.99	1.01	10.39	19.91	30.3	5.13	33.67	0.36	87.5	32.3	97.22	0.19	77
07-04-2023	84.86	40.73	11.45	0.98	3.14	10.52	13.66	10.89	38.24	2.01	246.88	34.63	77.28	0.31	85
08-04-2023	65.45	28.42	0.49	0.61	7.38	15.34	22.36	7.17	21.66	0.8	254.03	36.41	81.69	0	65
09-04-2023	65.55	28.46	0.98	0.61	7.39	15.13	22.33	7.09	21.7	0.29	299.06	35.29	77.79	0	66
10-04-2023	76.05	34.57	1.75	0.75	6.49	15.29	21.74	5.98	26.29	0.55	301.8	35.14	86.63	0	76
11-04-2023	85.76	40.33	1.18	0.87	5.64	15.66	21.23	4.88	30.62	0.47	319.65	36.16	84.19	0	86
12-04-2023	77.49	35.16	2.41	0.66	4.25	12.47	16.73	3.18	32.69	0.39	315.72	36.6	84.39	0	77
13-04-2023	70.66	31	1.41	0.49	3.18	10.3	13.4	1.99	33.98	0.55	314.37	36.55	86	0	70
14-04-2023	70.36	30.87	1.08	0.49	3.17	10.3	13.45	2.01	33.83	0.76	319.05	36.53	84.42	0	70
15-04-2023	71.17	31.22	0.92	0.5	3.21	10.39	13.58	1.98	34.22	0.49	328.65	35.97	87.18	0	71
16-04-2023	84.27	36.84	8.43	0.81	5.11	11.32	16.43	4.98	28.73	1.03	246.84	34.11	70.29	0	84
17-04-2023	90.64	40.17	9.25	0.95	7.48	15.21	22.69	6.43	20.47	1.27	288.32	36.17	69.42	0	91
18-04-2023	70.69	31.02	0.53	0.49	3.19	10.39	13.43	1.98	33.99	0.6	317.36	38.25	66.71	0	71
19-04-2023	70.12	30.77	4.78	0.49	3.16	10.27	13.51	1.99	33.72	0.49	319.54	34.38	82.54	0	70
20-04-2023	70.55	30.95	1.03	0.49	3.18	10.25	13.44	2.01	33.92	0.45	318.22	32.89	79.48	0	71
21-04-2023	70.68	31.01	1.01	0.49	3.18	10.27	13.39	2.01	33.99	0.42	340.21	32.23	72.73	0	71
22-04-2023	69.67	30.57	1.12	0.49	3.14	10.39	13.54	1.98	33.50	0.26	343.65	32.01	86.51	0	70
23-04-2023	70.51	30.94	1.10	0.49	3.18	10.21	13.36	2.02	33.91	0.48	56.16	31.04	89.55	0	71
24-04-2023	79.33	36.37	2.21	0.95	5.02	13.01	18.14	5.85	28.86	0.93	300.04	33.54	73.9	0	79
25-04-2023	80.39	36.97	1.33	0.99	5.18	13.31	18.51	6.27	28.57	0.22	64.84	31.2	85.3	0	80
26-04-2023	78.54	35.93	0.86	0.95	4.95	13.43	18.18	6.07	27.6	0.44	329.78	32.2	78.48	0	79
27-04-2023	69.41	24.83	3.47	0.68	3.11	8.27	11.38	4.96	20.58	0.94	209.76	31.71	80.44	0.16	69
28-04-2023	74.09	32.94	1.58	0.63	4.29	12.44	16.56	7.47	26.68	0.57	301.37	32.68	82.39	0	74
29-04-2023	75.15	34.35	1.11	0.59	5.06	13.54	18.45	8.85	30.13	0.42	349.78	30.57	89.39	0	75
30-04-2023	75.85	34.68	2.24	0.6	5.11	13.48	18.59	8.98	30.41	0.19	330.65	31.91	86.1	0	76
Minimum	65.45	24.83	0.49	0.24	3.11	8.27	11.38	1.98	17.12	0.19	23.24	28.84	66.71	0	65
Maximum	90.64	44.59	11.45	1.01	10.39	19.91	30.3	22.54	38.24	2.01	349.78	38.25	97.22	0.31	91
Average	74.96	33.42	2.84	0.67	5.02	12.60	17.57	5.94	28.93	0.70	257.27	33.81	82.63	0.02	74.93

VYTTILA(EKM) CAAQMS MONTHLY DATA APRIL 2023

Date&Time	PM10	PM2.5	SO2	NH3	NO	NO2	NOx	CO	O3	Wind speed	Wind direction	Air temperature	Relative humidity	TotalRainFall	Solar Radiation	Benzene	Toluene	Ethylbenzene	M&P-Xylenes	O-Xylene	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	
01/04/2023 00:00	66.2	27.66	29.3	6.52	54.02	9.52	48.59	1.03	1.59	0.58	19.4	29	63	0	253.5	0	0	0	0	0	66
02/04/2023 00:00	58.01	24.46	35.41	13	55.46	5.63	47.7	0.97	InVld	0.56	17.6	28.4	63.99	0	243.1	0	0	0	0	0	58
03/04/2023 00:00	65.11	16.65	36.03	13.8	47.6	13.04	45.32	0.98	1.6	0.59	19.89	29	61.4	0	252.9	0	0	0	0	0	65
04/04/2023 00:00	50.93	18.78	42.25	5.11	66.76	11.67	60.03	1	1.61	0.59	21.83	27.9	65.71	19.6	249.8	0	0	0	0	0	75
05/04/2023 00:00	58.37	23.6	44.57	6.05	53.57	15.21	51.29	1.09	1.6	0.52	20.37	28.9	64.25	0	257	0	0	0	0	0	64
06/04/2023 00:00	54.28	27.95	43	5.14	55.74	14.54	52.68	1.09	1.59	0.52	18.96	29.2	61.52	0	252.3	0	0	0	0	0	66
07/04/2023 00:00	46.6	31.45	45.92	5.99	52.44	5.36	45.14	1.07	1.59	0.53	17.69	29.3	66.68	0	255.7	0	0	0	0	0	57
08/04/2023 00:00	56.92	35.45	44.35	6.43	47.15	12.16	44.48	1.09	1.6	0.64	19.45	29.4	62.61	7.6	249.3	0	0	0	0	0	59
09/04/2023 00:00	44.15	56.39	47.88	0.99	77.88	1.61	63.59	1.02	1.58	0.47	20.41	26.5	84.44	0	247.6	0	0	0	0	0	94
10/04/2023 00:00	44.24	28.17	37.12	5.84	56.19	26.3	59.3	1.2	1.59	0.71	15	31.1	64.1	0	257.6	0	0	0	0	0	74
11/04/2023 00:00	62.1	36.09	42.89	4.29	61.27	13.91	56.8	1.17	1.6	0.72	14.83	30.3	69.56	0	262.1	0	0	0	0	0	71
12/04/2023 00:00	65.6	41.98	44.67	4.23	60.01	14.04	55.79	1.19	1.59	0.6	14.84	30.4	70.86	0	260.3	0	0	0	0	0	70
13/04/2023 00:00	67.27	46.43	42.9	4.56	60.86	12.22	55.49	1.23	1.61	0.62	14.8	30.3	71.21	0	255.6	0	0	0	0	0	77
14/04/2023 00:00	57.17	40.35	42.92	3.82	68.52	10.27	60.71	1.18	1.6	0.65	14.66	30.5	70.14	0	258.3	0	0	0	0	0	76
15/04/2023 00:00	68.06	47.57	42.03	6.28	57.42	9.4	51.19	1.12	1.59	0.64	14.42	30.3	68.75	0	263.1	0	0	0	0	0	79
16/04/2023 00:00	61.62	41.76	49.03	7.27	53.35	11.38	49.07	1.13	1.6	0.64	14.28	30	69.67	0	253.7	0	0	0	0	0	70
17/04/2023 00:00	52.28	34.95	37.56	19.5	58.7	16.62	56.13	1.2	1.62	0.63	14.68	30.4	70.71	0	258.6	0	0	0	0	0	70
18/04/2023 00:00	56.63	40.09	42.12	28.1	61.56	23.13	61.94	1.24	1.59	0.58	15.36	30.7	72.14	0	268.5	0	0	0	0	0	77
19/04/2023 00:00	62.12	34.81	41.01	36	70.11	27.14	70.97	1.23	1.59	0.7	15.09	30.6	68.76	0	263.7	0	0	0	0	0	89
20/04/2023 00:00	57.59	32.41	42.73	34.3	58.06	29.95	62.75	1.24	1.59	0.77	14.83	30.1	66.75	0	262.3	0	0	0	0	0	78
21/04/2023 00:00	66.64	InVld	44.86	7.24	51.2	14.44	48.96	1.19	1.6	0.71	14.43	30.4	67.79	0	253.1	0	0	0	0	0	67
22/04/2023 00:00	58.57	30.4	42.45	9.51	44.12	20.75	46.62	1.17	1.62	0.87	14.74	29.7	65.22	0	259	0	0	0	0	0	59
23/04/2023 00:00	54.65	30.34	45.41	9.52	40.81	18.41	42.7	1.15	1.63	0.81	14.2	29.4	68.47	0	255.9	0	0	0	0	0	58
24/04/2023 00:00	49.58	26.72	40.6	19.8	51.23	17.2	50.46	1.16	1.61	0.78	13.71	29.1	69.58	0	247.1	0	0	0	0	0	63
25/04/2023 00:00	52.69	27.55	55.94	16.2	42.49	15.52	42.52	1.17	1.6	0.87	13.85	29.3	67.41	2	246.4	0	0	0	0	0	70
26/04/2023 00:00	44.63	25.63	62.17	11.3	37.03	34.99	48.31	1.24	1.57	0.98	13.62	30.9	62.17	223	286.7	0	0	0	0	0	78
27/04/2023 00:00	94.75	20.91	17.16	7.04	53.95	29.17	58.97	1.22	1.59	0.72	11.62	30.3	64.33	143	247.9	0	0	0	0	0	93
28/04/2023 00:00	50.57	34.64	19.04	1.27	78.78	9.29	68.37	1.25	1.52	0.58	12.02	28.5	70.48	238.6	256.2	0	0	0	0	0	85
29/04/2023 00:00	43.5	28.05	18.69	5.85	43.91	13.3	42.49	1.23	1.53	0.68	11.82	27.6	77.05	19.4	246.5	0	0	0	0	0	63
30/04/2023 00:00	65.53	29.18	25.22	4	56.49	8.54	50.08	1.2	1.55	0.5	11.48	28.3	74.69	12.6	245.3	0	0	0	0	0	66
Min	43.5	16.65	17.16	0.99	37.03	1.61	42.49	0.97	1.52	0.47	11.48	26.5	61.4	0	243.1	0	0	0	0	0	57
Maximum	94.75	56.39	246.9	36	78.78	34.99	70.97	1.25	1.63	0.98	21.83	31.1	84.44	238.6	286.7	0	0	0	0	0	
Avg	57.88	32.43	50.74	10.3	55.89	15.49	53.28	1.15	1.59	0.66	15.66	29.5	68.11	665.8	255.6	0	0	0	0	0	

THRISSUR CAAQMS MONTHLY DATA APRIL 2023

PARAMETERS	PM10	PM2.5	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	
01-03-2023	65.64	46.18	0.82	0.45	4.85	12.18	32.03	5.01	38.91	0.96	1.45	0	0	0	2.07	257.98	28.77	71.6	305.76	0	77
02-03-2023	68.98	44.73	0.56	0.32	4.83	12.33	31.96	4.96	38.8	0.96	1.46	0	0	0	1.99	257.96	28.99	69.93	308.62	0	75
03-03-2023	83.25	38.67	2.43	0.43	4.82	12.34	31.96	4.98	38.75	0.96	1.46	0	0	0	2.13	258.08	28.7	70.55	304.84	0	83
04-03-2023	83.04	38.68	3.31	0.45	4.82	12.34	32.02	5.03	38.77	0.96	1.46	0	0	0	2.2	257.72	29.24	64.52	311.95	0	83
05-03-2023	196.57	45.66	1.72	0.43	4.75	12.27	31.99	5	38.34	0.96	1.45	0	0	0	2.02	258.11	29.12	69.73	310.41	0	
06-03-2023			0.8	0.43	4.85	12.25	32.07	5.01	38.9	0.96	1.45	0	0	0	1.81	258.52	29.72	71.51	318.26	0	
07-03-2023			1.14	0.47	4.86	12.32	32.03	4.98	38.98	0.96	1.46	0	0	0	1.86	258.75	29.52	73.44	315.64	0	
08-03-2023			0.67	0.52	4.8	12.23	32.1	5	38.65	0.96	1.45	0	0	0	1.75	258.51	30.16	70.22	324.08	0	
09-03-2023			1.22	0.42	4.76	12.22	31.99	4.95	38.4	0.96	1.45	0	0	0	1.79	258.54	30.39	66.86	327.11	0	
10-03-2023	105.67	4.04	0.88	0.46	4.74	12.26	32.04	4.95	38.29	0.96	1.45	0	0	0	1.9	259.06	30.27	70.01	325.6	0	104
11-03-2023	104.23	31.32	0.16	0.53	4.81	12.32	31.95	4.99	38.7	0.96	1.46	0	0	0	1.69	258.42	30.64	71.17	330.44	0	103
12-03-2023	111.9	37.05	1.82	0.88	4.85	12.43	32.05	4.97	39.07	0.96	1.46	0	0	0	1.74	257.72	30.58	72.17	329.69	0	108
13-03-2023	106.2	33.81	2.71	0.53	4.77	12.29	32.04	4.95	38.44	0.96	1.46	0	0	0	1.89	258.38	30.69	70.95	331.1	0	104
14-03-2023	111.27	34.93	0.16	0.43	4.84	12.36	31.96	5.04	38.83	0.96	1.46	0	0	0	2	257.88	30.54	73.35	329.09	0	108
15-03-2023	133.17	44.52	1.94	0.4	4.83	12.19	31.97	5	38.78	0.96	1.45	0	0	0	1.88	259.35	30.14	73.74	323.83	0	122
16-03-2023	126.94	40.56	1.25	0.39	4.79	12.46	32.06	5.03	38.58	0.96	1.46	0	0	0	1.9	259.74	30.29	73.13	325.81	0	118
17-03-2023	109.21	37.04	0.43	0.47	4.74	12.24	32.05	4.99	38.27	0.96	1.45	0	0	0	1.95	258.8	30.7	72.57	331.29	0	106
18-03-2023	103.97	35.34	1.15	0.33	4.83	12.28	31.95	4.97	38.78	0.96	1.46	0	0	0	2	258.11	31.03	72.92	335.65	0	103
19-03-2023	90.95	27.35	2.46	0.63	4.81	12.23	32.04	4.98	38.68	0.96	1.45	0	0	0	1.73	258.02	30.76	69.03	332	0	91
20-03-2023	89.43	29.57	0.79	0.4	4.78	12.28	32.03	4.98	38.54	0.96	1.45	0	0	0	1.98	257.84	30.46	66.98	328.05	0	89
21-03-2023	90.82	29.48	1.23	0.35	4.78	12.27	31.88	5.01	38.52	0.96	1.45	0	0	0	1.94	257.89	30.52	71.08	328.85	0	91
22-03-2023	87.17	27.94	1.84	0.56	4.82	12.26	32.1	5	38.73	0.96	1.45	0	0	0	2.03	257.76	30.27	68.38	325.59	0	87
23-03-2023	87.86	27.93	0.34	0.51	4.81	12.22	32.04	4.99	38.66	0.96	1.45	0	0	0	1.99	257.82	30.3	68.16	325.9	0	88
24-03-2023	98.29	32.18	4.77	1.02	4.85	12.33	31.94	4.99	38.91	0.96	1.46	0	0	0	1.97	257.64	30.56	68.96	329.35	0	98
25-03-2023	80.47	25.12	2.61	0.65	4.77	12.4	31.91	4.99	38.44	0.96	1.46	0	0	0	1.65	257.95	29.06	74.91	309.58	0	80
26-03-2023	57.78	20.19	3.9	0.53	4.74	12.22	32.07	5.02	38.27	0.96	1.45	0	0	0	1.95	259.13	28.41	75.51	301.03	0	58
27-03-2023	58.21	20.29	0.39	0.55	4.79	12.38	32.07	5.01	38.58	0.96	1.46	0	0	0	1.65	260.1	29.18	74.46	311.22	0	58
28-03-2023	66.86	25.82	1.95	0.55	4.78	12.27	31.88	4.97	38.51	0.96	1.45	0	0	0	1.83	259.97	29.91	73.72	320.85	0	67
29-03-2023	47.22	19.61	2.52	0.65	4.78	12.34	32.02	4.99	38.49	0.96	1.46	0	0	0	1.69	257.63	27.01	87.97	282.55	0	47
30-03-2023	47.89	15.89	0.31	0.38	4.81	12.26	31.97	4.99	38.69	0.96	1.45	0	0	0	1.64	258.28	28.77	78.39	305.83	0	48
Minimum	47.22	4.04	0.16	0.32	4.74	12.18	31.88	4.95	38.27	0.96	1.45	0	0	0	1.64	257.63	27.01	64.52	282.55	0	47
Maximum	196.57	46.18	4.77	1.02	4.86	12.46	32.10	5.04	39.07	0.96	1.46	0.00	0.00	0.00	2.20	260.10	31.03	87.97	335.65	0.00	122.00
Average	94.89	30.86	1.60	0.51	4.80	12.29	32.00	4.99	38.64	0.96	1.45	0.00	0.00	0.00	1.89	258.42	29.77	72.14	319.01	0.00	87.59

KANNUR CAAQMS MONTHLY DATA APRIL 2023

PARAMETERS	PM10	PM2.5	SO ₂	CO	NO	NO ₂	Nox	NH ₃	O ₃	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	
01-04-2023	80.34	40.01	1.34	0.54	11.27	16.7	27.88	6.73	26.11	0	0	0	0	0	4.46	251.63	34.41	52.41	143.53	0	80
02-04-2023	86.23	44.85	0.26	1	8.22	14.11	21.96	5.3	33.59	0	0	0	0	0	4.81	253.81	34.45	52.45	148.47	0	86
03-04-2023	83.27	43.03	0.75	0.88	7.54	13.39	21.11	6.18	30.91	0.05	0.18	0.05	0.11	0.15	4.98	255.16	34.47	52.47	151.18	0	83
04-04-2023	77.99	39.58	1.29	0.62	6.03	11.77	18.16	8.3	25.12	0.17	0.6	0.17	0.37	0.51	3.92	247.27	33.78	51.78	60.53	0	78
05-04-2023	82.2	41.72	1.33	0.54	8.17	15.13	23.29	6.82	22.05	0.28	0.51	0.28	0.47	0.62	4.29	251.06	34.48	52.48	152.86	0	82
06-04-2023	87.33	44.33	1.36	0.49	10.3	18.06	28.69	5.4	19.55	0.4	0.42	0.4	0.56	0.72	4.01	248.38	34.51	52.51	156.45	0	87
07-04-2023	78.7	38.84	0.64	0.56	7.74	16.53	24.11	7.44	16.12	0.45	0.56	0.45	0.45	0.64	4.1	249.24	34.49	52.49	153.14	0	79
08-04-2023	75.46	36.95	0.26	0.51	5.07	14.39	19.55	6.51	16.85	0.3	0.5	0.3	0.29	0.44	3.91	248.35	34.56	52.56	163.06	0	75
09-04-2023	78.1	38.76	0.26	0.4	4.07	13.68	17.66	4.22	19.91	0.12	0.37	0.12	0.2	0.27	3.96	248.68	34.53	51.98	158.54	0	78
10-04-2023	73.34	36.75	0.6	0.74	5.62	16.55	22.09	6.2	16.72	0.41	0.46	0.41	0.34	0.44	3.99	248.67	34.43	52.43	145.39	0	73
11-04-2023	67.47	34.17	0.74	1.07	7.05	19.27	26.46	8.14	13.2	0.7	0.55	0.7	0.49	0.61	3.66	245.95	34.75	52.75	188.21	0	67
12-04-2023	50.08	35.06	2.32	0.92	4.62	18.49	23.11	7.5	37.35	0.09	0.28	0.09	0.05	0	4.36	249.09	29.67	81.67	480.3	0	58
13-04-2023	46.82	30.7	2.46	0.9	3.19	15.14	16.89	7.5	50.81	0.09	0.29	0.09	0.05	0	4.71	251.47	30.29	82.29	562.92	0	51
14-04-2023	71.74	28.52	2.35	1.13	9.19	13.54	21.44	9.55	20.78	0.1	0.29	0.1	0.05	0	3.59	245.09	28.08	53.08	270.26	0	72
15-04-2023	66.02	35.63	2.31	1.32	8.61	14.12	22.27	9.37	21.81	0.09	0.3	0.09	0.11	0	3.95	247.21	28.82	53.82	367.99	0	66
16-04-2023	69.36	33.03	1.42	0.97	8.7	14.25	21.43	9.43	19.64	0.09	0.31	0.09	0.05	0	4.26	249.25	29.71	54.71	485.07	0	69
17-04-2023	78.46	31.33	2.25	0.95	8.2	13.87	21.93	9.78	31.81	0.08	0.3	0.08	0.05	0	5.07	253.69	26.67	51.67	84.54	0	78
18-04-2023	75.29	38.43	1.68	0.88	8.51	14.23	21.88	9.44	20.49	0.09	0.31	0.09	0.46	0.04	5.69	257.73	26.96	51.96	123.26	0	75
19-04-2023	61.86	24.41	2.82	0.93	9.16	14.11	22.35	10.5	19.3	0.1	0.3	0.1	0.05	0.01	3.43	243.94	26.51	51.51	62.71	0	62
20-04-2023	62.73	27.71	2.03	0.92	8.84	13.97	21.99	9.65	23.29	0.09	0.3	0.09	0.05	0	4.28	250.38	27.38	52.38	178.29	0	63
21-04-2023	70.16	27.55	2.84	0.97	8.74	13.66	21.38	9.52	28.42	0.09	0.29	0.09	0.27	0	3.09	242.03	26.48	51.48	59.67	0	70
22-04-2023	77.97	28.3	2.17	0.88	8.96	13.93	22.46	9.71	31.26	0.09	0.3	0.09	0.05	0	4.57	250.79	26.49	51.49	61.08	0	78
23-04-2023	83.95	42.65	1.71	0.84	9.28	13.38	21.7	9.38	19.82	0.1	0.28	0.1	0.05	0.09	5.49	256.49	29.93	54.93	514.97	0	84
24-04-2023	80.45	45.51	0.9	0.89	8.48	14.4	21.31	10.42	19.82	0.09	0.31	0.09	0.05	0	6.48	262.92	29.66	54.66	478.94	0	80
25-04-2023	58.69	24.89	2.56	1.17	8.58	13.86	21.23	9.78	21.27	0.09	0.3	0.09	0.05	0	4	247.31	27.99	52.99	259.19	0	59
26-04-2023	66.92	33.89	5.16	1.06	7	19.33	26.54	8.24	13.04	0.69	0.55	0.69	0.49	0.61	4.7	252.74	35.13	53.13	238.59	0	67
27-04-2023	68.85	34.94	3.32	0.98	6.33	17.49	23.81	7.74	15.04	0.52	0.41	0.52	0.37	0.46	3.97	248.36	35.01	53.01	222.24	0	69
28-04-2023	86.04	42.03	1.23	0.39	12.16	16.69	30.27	6.57	26.06	0	0	0	0	0	3.79	246.11	33.43	51.43	13.09	0	86
29-04-2023	78.93	38.51	2.54	0.36	12.62	17.5	30.65	7.34	23.43	0	0	0	0	0	4.34	249.46	35.76	53.76	321.87	0	79
30-04-2023	83.33	40.69	1.42	0.38	12.42	18.91	29.03	8.13	25.06	0	0	0	0	0	5.86	258.57	33.81	51.81	63.92	0	83
Minimum	46.82	24.41	0.26	0.36	3.19	11.77	16.89	4.22	13.04	0	0	0	0	0	3.09	242.03	26.48	51.43	13.09	0	51
Maximum	87.33	45.51	5.16	1.32	12.62	19.33	30.65	10.5	50.81	0.7	0.6	0.7	0.56	0.72	6.48	262.92	35.76	82.29	562.92	0	87
Average	73.60	36.09	1.74	0.81	8.16	15.35	23.09	8.03	23.62	0.18	0.31	0.18	0.18	0.19	4.39	250.36	31.55	54.60	215.68	0.00	73.90