

IDUKKI DISTRICT SAMP REPORT MARCH 2023

(All paramaters are in $\mu\text{g}/\text{m}^3$)

STN Code	SamplingDate	MonitoringStation	Latitude	Longitude	Type Of Location	City	District	State	Monitoring Agency	SO2_6AM_10A M	SO2_10AM_2P M	SO2_2PM_6PM PM	SO2_6PM_10PM PM	SO2_10PM_2AM AM	SO2_2AM_6AM M	SO2 24 hourly average
Station Code	Sampling date*:	Name of monitoring station :			Area class :	City :	District Name	State Name	Name of monitoring agency :	4-Hourly Value of S02	4-Hourly Value of S02	4-Hourly Value of S02	4-Hourly Value of S02	4-Hourly Value of S02	4-Hourly Value of S02	
SAMP-NIL	02-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	07-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	09-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	13-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	15-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	17-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	20-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	22-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	24-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	27-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	30-03-2023	THODUPEZHATHODUPUZHA	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0

Temperature°C		Weather	NO2_6AM_10A	NO2_10AM-2PM	NO2_2PM-6PM	NO2_6PM-10PM	NO2_10PM-2AM	NO2_2AM_6AM	NO2_24 hourly average	RSPM_6AM_2PM	RSPM_2PM_10PM	RSPM_10PM_6AM	RSPM_24 hourly average	SPM_6AM_2P	SPM_2PM_10PM	SPM_10PM_6AM	SPM_24 hourly average	PM 2.5
Min	Max		4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2		8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM		8-Hourly Value of SPM	8-Hourly Value of SPM	8-Hourly Value of SPM		24-hourly value
22	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	59.58	64.26	54.87	59.57	97.34	99.25	82.16	92.92	41
24	37	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	54.61	75.48	56.47	62.19	96.85	100.27	84.91	94.01	43
25	37	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	59.32	61.74	74.87	65.31	88.20	87.07	91.00	88.75	53
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	56.97	73.68	62.05	64.23	93.18	101.50	74.18	89.62	42
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	79.55	65.68	40.89	62.04	102.41	94.78	59.33	85.51	34
23	35	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	63.42	42.05	34.30	46.59	101.12	64.48	55.08	73.56	40
22	36	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	49.12	46.67	49.23	48.34	85.33	74.28	60.92	73.51	37
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	66.68	51.40	26.88	48.32	98.99	96.48	60.64	85.37	28
23	36	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	34.83	30.22	26.43	30.49	74.10	68.41	53.72	65.41	27
24	37	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	36.12	85.04	43.54	54.90	62.63	105.03	69.80	79.15	38
23	35	Cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	66.42	36.84	22.15	41.81	102.34	76.68	53.00	77.34	34

STN Code	SamplingDate	Monitoring Station	Latitude	Longitude	Type Of Location	City	District	State	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_2PM	SO2_2PM_6PM	SO2_6PM_10PM	SO2_10PM_2AM	SO2_2AM_6AM	SO2_24 hourly average
Station Code	Sampling date*:	Name of monitoring station :			Area class :	City :	District Name	State Name	Name of monitoring agency :	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	
SAMP-NIL	02-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	07-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	09-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	13-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	15-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	17-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	20-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	22-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	24-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	27-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	30-03-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0

Temperature°C		Weather	NO2_ 6AM_1 0AM	NO2_ 10AM- 2PM	NO2_ 2PM-6PM	NO2_6 PM_10 PM	NO2_ 10PM_2 AM	NO2_ 2AM_6A M	NO2 24 hourly averag e	RSPM_ 6AM_2P M	RSPM_2 PM_10PM	RSPM_ 10PM_6 AM	RSPM 24 hourly average	SPM_ 6AM_2P M	SPM_2 PM_10P M	SPM_ 10PM_ 6AM	SPM 24 hourly average	PM 2.5
Min	Max		4- Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4- Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2		8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM		8-Hourly Value of SPM	8-Hourly Value of SPM	8- Hourly Value of SPM		24- hourly value
22	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	64.55	60.49	47.57	57.53	94.18	84.62	79.76	86.19	32
24	37	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	45.14	50.69	58.50	51.44	86.16	87.19	78.39	83.91	30
25	37	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	61.08	62.01	52.53	58.54	88.28	96.61	72.03	85.64	40
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	67.46	74.25	54.57	65.43	88.49	88.30	65.44	80.74	39
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	71.42	67.45	40.47	59.78	85.71	83.25	57.54	75.50	26
23	35	Partly c	4.5	4.5	4.5	4.5	4.5	4.5	4.5	50.09	41.67	22.26	38.00	85.78	62.34	48.13	65.42	29
22	36	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	43.44	49.11	57.43	49.99	81.16	79.03	71.08	77.09	77
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	45.57	44.01	27.43	39.00	80.57	90.97	66.82	79.46	79
23	36	Partly c	4.5	4.5	4.5	4.5	4.5	4.5	4.5	43.44	49.11	57.43	49.99	81.16	79.03	71.08	77.09	26
24	37	Partly c	4.5	4.5	4.5	4.5	4.5	4.5	4.5	45.57	44.01	27.43	39.00	80.57	90.97	66.82	79.46	12
23	35	Cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	37.85	18.47	18.72	25.01	77.12	58.18	48.28	61.19	20

ERNAKULAM DISTRICT SAMP REPORT MARCH 2023

(All paramaters are in $\mu\text{g}/\text{m}^3$)

Sampling Date	Monitoring Station	District Name District	Latitude	Longitude	Type Of Location	State Name	Monitoring Agency Name of monitoring agency :	SO2_ 6AM_10 AM	SO2_ 10AM_2P M	SO2 _2PM_6P M	SO2_ 6PM_10 PM	SO2_ 10PM_2 AM	SO2_ 2AM_6A M	SO2 24 hourly average
02-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
06-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	6	2	2	2	2.7
09-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	8	2	15	8	4	2	6.5
13-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
15-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	5	2	2	2.5
17-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	4	2	4	6	3.3
22-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
24-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	4	2	2	2	2.3
27-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	5	2	2	2	2	2.5
30-03-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	5	2	2	2.5

NO2_6AM_10AM	NO2_10AM_2PM	NO2_2PM_6PM	NO2_6PM_10PM	NO2_10PM_2AM	NO2_2AM_6AM	NO2_24 hourly average	RSPM_6AM_2PM	RSPM_2PM_10PM	RSPM_10PM_6AM	RSPM_24 hourly average	SPM_6AM_2PM	SPM_2PM_10PM	SPM_10PM_6AM	SPM_24 hourly average	PM 2.5 24 hourly average (µg/m³)	Temperature		Weather
Value of N02	Value of N02	Value of N02	Value of N02	Value of N02	Value of N02	average	8-Hourly Value of RSPM	Value of RSPM	Value of RSPM		Value of SPM	Value of SPM	Value of SPM			Min	Max	
9.8	4.5	4.5	14.3	19.2	4.5	9.5	61	101	23	62	99	140	84	108	32	27	33	Sunny
4.5	4.5	14.9	10.1	4.5	4.5	7.2	88	54	61	68	100	72	70	81	14	25	32	Sunny
11.3	14.9	11	4.5	4.5	4.5	8.5	150	82	100	111	168	95	105	123	10	26	34	Sunny
14.3	4.5	4.5	4.5	4.5	4.5	6.1	69	78	33	60	140	98	36	91	74	26	32	Sunny
4.5	11	4.5	4.5	4.5	4.5	5.6	129	26	63	73	154	51	80	95	27	24	32	Sunny
9.8	4.5	15.5	4.5	4.5	4.5	7.2	36	34	36	35	48	51	64	54	32	26	32	Sunny
4.5	4.5	4.5	13.7	4.5	10.1	7.0	22	39	26	29	35	56	34	42	15	24	32	Sunny
4.5	4.5	11.6	10.4	4.5	4.5	6.7	50	45	47	47	167	65	139	124	10	26	32	Sunny
10.7	13.7	22.6	17.4	4.5	4.5	12.2	44	27	31	34	86	36	46	56	21	26	32	Sunny
4.5	4.5	4.5	4.5	4.5	4.5	4.5	49	39	30	39	69	53	72	65	15	25	35	Sunny

PALAKKAD DISTRICT SAMP REPORT MARCH 2023

(All paramaters are in $\mu\text{g}/\text{m}^3$)

STN	SamplingDate	Monitoring	Latitude	Longitude	Type Of	City	District	State	Monitoring	SO2_	SO2_	SO2	SO2_	SO2_	SO2_	SO2 24
Code		Station			Location			Name	Agency	6AM_10A	10AM_1	_14PM_1	18PM_22	22PM_2	2AM_6A	hourly
Station	Sampling	Name of			Area class :	City :	District	State	Name of	4-Hourly	4-Hourly	4-Hourly	4-Hourly	4-Hourly	4-Hourly	
Code	date*:	station :				Name	Name	agency :	Value of	Value of	Value of	Value of	Value of	Value of	Value of	average
									SO2	SO2	SO2	SO2	SO2	SO2	SO2	
311B	02-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	06-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	09-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	13-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	15-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	17-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	20-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	22-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	24-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	27-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	30-03-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0

Temperature		NO2_6AM_10AM	NO2_10AM14PM	NO2_14PM18PM	NO2_18PM_22PM	NO2_22PM_2AM	NO2_2AM_6AM	NO2_24 hourly average	RSPM_6AM_14PM	RSPM_14PM_22PM	RSPM_22PM_6AM	RSPM_24 hourly average	SPM_6AM_14PM	SPM_14PM_22PM	SPM_22PM_6AM	SPM_24 hourly average	PM 2.5
Min	Max	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2	4-Hourly Value of NO2		8-Hourly Value of RSPM	8-Hourly Value of RSPM	8-Hourly Value of RSPM		8-Hourly Value of SPM	8-Hourly Value of SPM	8-Hourly Value of SPM		24-hourly value
28	34	4.50	4.50	4.50	4.50	4.50	4.50	4.50	97	93	91	94	196	160	171	176	32
28	34	4.50	4.50	4.50	4.50	4.50	4.50	4.50	86	51	71	69	160	158	126	148	29
27	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	86	79	80	82	133	131	133	132	18
28	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	38	58	80	59	93	147	131	124	32
27	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	77	90	83	83	127	196	173	165	44
27	34	4.50	4.50	4.50	4.50	4.50	4.50	4.50	36	54	34	41	85	107	76	89	49
27	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	33	50	43	42	116	130	90	112	47
28	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	43	78	87	69	69	118	143	110	43
27	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	48	67	76	64	81	101	95	92	42
27	33	4.50	4.50	4.50	4.50	4.50	4.50	4.50	71	46	54	57	105	78	92	92	44
28	34	4.50	4.50	4.50	4.50	4.50	4.50	4.50	67	95	63	75	157	129	98	128	34

KANNUR DISTRICT SAMP REPORT MARCH 2023

(All paramaters are in $\mu\text{g}/\text{m}^3$)

Sampling Date	Monitoring	Latitude	Longitude	Types of	City	District	State	Monitoring	SO ₂							Temperature(°c)	
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs	Min	Max
				Class					4 hourly values of SO ₂								
02.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.4	2.0	2.0	2.0	2.1	25	39
06.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	35
09.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.6	2.0	2.0	2.0	3.1	2.3	24	35
13.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	25	34
15.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	25	33
17.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	34
20.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	22	34
22.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	34
24.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	25	34
27.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	34
30.03.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.3	7.9	8.6	9.7	8.2	2.3	6.5	24	32

Weather	NOx							RSPM			RSPM 24hrs	SPM			SPM 24 hrs	PM 2.5	
	6AM- 10AM	10AM- 2PM	2PM- 6PM	6PM- 10PM	10PM- 2AM	2AM- 6AM	24hrs avg	6AM- 2PM	2PM- 10PM	10PM- 6AM		6AM- 2PM	2PM- 10PM	10PM- 6AM			
	4 hourly values of NOx																
CLEAR	4.5	4.5	4.5	4.5	4.5	24.2	7.8	87.9	79.3	83.0	83.4	274.1	157.2	120.5	184.0	45.23	
CLEAR	20.5	4.5	4.5	4.5	4.5	15.6	9.0	69.7	62.6	79.9	70.7	149.5	86.4	99.6	111.8	45.14	
CLEAR	4.5	12.3	4.5	4.5	4.5	4.5	5.8	93.6	92.6	97.0	94.4	210.0	136.6	118.5	155.0	48.13	
CLEAR	14.8	4.5	16.6	20.4	4.5	19.5	13.4	91.3	71.2	39.2	67.2	155.0	101.6	48.9	101.8	21.18	
CLEAR	4.5	12.0	4.5	12.0	4.5	4.5	7.0	31.1	45.3	69.9	48.7	48.8	53.2	78.4	60.1	48.19	
CLEAR	17.5	4.5	16.2	10.0	4.5	12.6	10.9	65.6	61.8	59.0	62.1	112.4	132.4	77.0	107.2	38.05	
CLEAR	13.1	12.1	29.4	4.5	4.5	13.9	12.9	42.8	122.9	46.3	70.7	105.6	191.8	64.1	120.5	27.46	
CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	43.5	42.6	43.8	43.3	98.4	80.2	67.1	81.9	21.36	
CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	36.3	12.2	35.6	28.0	83.9	22.1	54.8	53.6	36.24	
CLEAR	4.5	14.5	4.5	4.5	4.5	4.5	6.2	72.7	8.8	30.0	37.2	141.8	46.7	41.6	76.7	15.95	
CLEAR	9.2	9.7	4.5	4.5	4.5	19.3	8.6	63.4	36.2	35.5	45.0	98.6	73.1	67.5	79.7	24.25	

Sampling Date	Monitoring Station	Latitude	Longitude	Types of	City	District	State	Monitoring	SO ₂						
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg
				Class					4 hourly values of SO ₂						
02.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.8	2.0	2.0	2.0	2.0	2.1
06.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
09.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	3.2	2.2
13.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
15.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
17.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
20.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
22.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
27.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
30.03.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	9.5	2.0	2.0	2.0	3.5	2.0	3.5

Temperature (°c)		Weather	NOx							RSPM			RSPM 24hrs	SPM			SPM 24 hrs avg	PM 2.5	
Min	Max		6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	6AM-2PM	2PM-10PM	10PM-6AM		6AM-2PM	2PM-10PM	10PM-6AM			
			4 hourly values of NOx																
25	39	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	86.2	99.2	105.9	97.1	201.4	160.0	115.2	158.8	72.00	
23	35	CLEAR	10.3	4.5	4.5	4.5	11.9	4.5	6.7	79.0	60.9	86.9	75.6	142.7	86.9	104.2	111.2	61.50	
24	35	CLEAR	10.5	4.5	4.5	4.5	4.5	4.5	5.5	108.5	95.3	112.2	105.3	210.1	115.7	168.6	164.8	77.96	
25	34	CLEAR	4.5	4.5	15.5	4.5	44.6	4.5	13.0	91.2	88.6	92.4	90.7	149.9	142.0	102.3	131.4	42.74	
25	33	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	79.9	65.5	76.6	74.0	129.6	86.2	84.1	100.0	59.01	
24	34	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	59.9	44.6	59.7	54.7	116.5	70.9	73.0	86.8	51.08	
22	34	CLEAR	4.5	19.6	4.5	14.2	4.5	4.5	8.6	42.5	59.6	39.2	47.1	107.5	131.6	59.3	99.4	33.53	
24	34	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	65.4	36.4	46.3	49.4	132.9	66.1	54.5	84.5	32.88	
25	34	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	32.4	20.0	49.4	33.9	74.4	42.9	56.0	57.8	36.45	
24	34	CLEAR	4.5	4.5	9.3	4.5	4.5	4.5	5.3	62.5	40.3	32.6	45.1	142.4	94.9	41.1	92.8	27.87	
24	32	CLEAR	4.5	15.6	4.5	4.5	18.9	24.7	12.1	46.9	39.2	38.0	41.4	68.7	68.1	51.7	62.9	32.72	

RSPM ($\mu\text{g}/\text{m}^3$)					TOTAL SPM ($\mu\text{g}/\text{m}^3$)				
06-14	14-22	22-06	8 hrs Max	24 hrs avg	06-14	14-22	22-06	8 hrs Max	24 hrs avg
48	32	45	48	41	93	72	91	93	86
48	42	31	48	40	99	90	59	99	83
37	50	43	50	43	86	114	91	114	97
39	51	36	51	42	79	98	80	98	85
44	47	42	47	45	97	104	92	104	97
41	47	32	47	40	90	94	67	94	84
45	47	43	47	45	99	94	84	99	92
54	52	49	54	52	104	106	91	106	100

RSPM ($\mu\text{g}/\text{m}^3$)					TOTAL SPM ($\mu\text{g}/\text{m}^3$)					PM2.5 ($\mu\text{g}/\text{m}^3$)
06-14	14-22	22-06	8 hrs Max	24 hrs avg	06-14	14-22	22-06	8 hrs Max	24 hrs avg	06 - 06 24HRS
54	48	56	56	53	105	96	116	116	106	47
54	42	35	54	44	104	85	82	104	90	41
49	62	42	62	51	96	127	86	127	103	34
57	60	49	60	55	109	124	96	124	110	53
58	40	39	58	45	115	77	86	115	92	43
46	55	47	55	49	87	110	106	110	101	29
47	41	42	47	43	99	87	85	99	90	23
32	44	45	45	40	64	89	93	93	82	33