

IDUKKI DISTRICT SAMP REPORT APRIL 2023

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

STN Code	SamplingDate	MonitoringStation	Latitude	Longitude	Type Of Location	City	District	State Name	Monitoring Agency	SO2_6AM_10A M	SO2_10AM_2PM M	SO2_2PM_6P M	SO2_6PM_10P M	SO2_10PM_2A M	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 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	03-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	10-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	14-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	17-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	19-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	24-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	26-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	28-04-2023	THODUPEZHA	9.9039812	76.711462	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0

Temperature°C		Weather	NO2_	NO2_ 10AM	NO2_	NO2_6PM	NO2_	NO2_	NO2 24	RSPM_	RSPM_2	RSPM_10	RSPM 24	SPM_	SPM_2P	SPM_	SPM 24	PM 2.5
Min	Max		6AM_10A	2PM	2PM-6PM	_10PM	10PM_2	2AM_6AM	hourly	6AM_2PM	PM_10P	PM_6AM	hourly	6AM_2P	M_10PM	10PM_6A	hourly	
			4-Hourly	4-Hourly	4-Hourly	4-Hourly	4-Hourly	4-Hourly		8-Hourly	8-Hourly	8-Hourly		8-Hourly	8-Hourly	8-Hourly		24-hourly
			Value of	Value of	Value of	Value of	Value of	Value of		Value of	Value of	Value of		Value of	Value of	Value of		value
			N02	N02	N02	N02	N02	N02		RSPM	RSPM	RSPM		SPM	SPM	SPM		
24	34	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	51.43	45.57	28.25	41.75	97.01	98.21	63.19	86.14	13
24	36	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	62.35	32.05	47.21	47.20	92.87	75.63	74.85	81.12	24
23	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	60.32	63.66	31.28	51.75	90.67	99.47	62.74	84.30	45
24	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	56.27	62.10	48.32	55.56	83.42	90.15	79.15	84.24	38
24	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	63.10	49.86	20.30	44.42	86.44	85.98	44.71	72.38	15
24	35	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	49.40	31.47	24.31	35.06	99.66	72.05	55.30	75.67	17
23	35	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	30.45	24.05	15.21	23.23	70.71	56.84	55.69	61.08	19
24	35	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	44.59	46.32	23.85	38.25	90.92	92.90	64.34	82.72	22

STN Code	SamplingDate	MonitoringStation	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	03-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	10-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	12-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	17-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	19-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	24-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	26-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0
SAMP-NIL	28-04-2023	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2	2	2	2	2.0

Temperature°C		Weather	NO2_	NO2_	NO2_	NO2_6P	NO2_	NO2_	NO2 24	RSPM_	RSPM_	RSPM_	RSPM_	SPM_	SPM_2	SPM_	SPM 24	
Min	Max		6AM_10A M	10AM- 2PM	2PM- 6PM	M_10PM	2AM	2AM_6A M	hourly average	6AM_2P M	2PM_1 0PM	10PM_6 AM	24 hourly average	6AM_2 PM	PM_10 PM	10PM_ 6AM	hourly average	PM 2.5
			4-Hourly Value of N02	4- Hourly Value of N02	4-Hourly Value of N02	4-Hourly Value of N02	4- Hourly Value of N02	4-Hourly Value of N02		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
24	34	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	41.01	31.08	24.20	32.10	77.48	61.37	48.47	62.44	19
26	36	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	44.20	46.81	39.13	43.38	67.88	91.04	54.91	71.28	9
24	37	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	37.24	61.39	48.62	49.09	67.37	97.56	59.79	74.91	30
24	38	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	55.03	57.28	42.17	51.49	104.33	94.41	77.49	92.08	10
23	37	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5	50.99	42.22	25.90	39.71	97.74	88.54	76.60	87.63	26
24	34	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	41.15	41.67	19.24	34.02	62.43	109.70	87.99	86.71	2
24	34	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	36.87	46.32	16.91	33.37	63.34	74.35	46.45	61.38	19
23	35	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5	24.31	30.94	27.17	27.47	73.45	71.16	55.89	66.83	21

ERNAKULAM DISTRICT SAMP REPORT APRIL 2023

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

Sampling	Monitoring	District Name	Latitude	Longitude	Type Of Location	State	Monitoring	SO2 _	SO2_	SO2	SO2_	SO2_	SO2_	SO2 24
Date	Station	District Name				Name	Agency	6AM_10A	10AM_2	_2PM_6	6PM_10	10PM_	2AM_6A	hourly
							Name of	4-Hourly	4-	4-Hourly	4-Hourly	4-	4-Hourly	hourly
							monitoring	Value of	Hourly	Value of	Value of	Hourly	Value of	average
							agency :	S02	S02	S02	S02	of S02	S02	
03-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	4	2	2	2	2	2.3
12-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
17-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
19-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
24-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
26-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0
28-04-2023	MUVATTUPUZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0

NO2_ 6AM_10A M	NO2_ 10AM_2P M	NO2_ 2PM_6PM	NO2_ 2AM_6 AM	NO2 24 hourly average	RSPM_ 6AM_2PM	RSPM_ 2PM_10P M	RSPM_ 10PM_6A M	RSPM 24 hourly average	SPM_ 6AM_2P M	SPM_ 2PM_10P M	SPM_ 10PM_6A M	SPM 24 hourly averag e	PM 2.5 24 hourly average ($\mu\text{g}/\text{m}^3$)	Temperature		Weather
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			Min	Max	
9.8	18	13.7	4.5	11.5	26	17	13	19	53	33	14	33	9	27	32	Sunny
4.5	12.2	4.5	4.5	6.4	47	95	34	59	63	229	105	132	16	28	33	Sunny
4.5	11	4.5	4.5	6.1	21	13	61	32	33	43	80	52	11	28	33	Sunny
12.5	16.8	4.5	12.5	11.6	35	22	14	24	43	40	18	34	17	29	33	Sunny
4.5	9.1	4.5	4.5	5.7	38	26	29	31	58	32	36	42	22	27	33	Sunny
4.5	9.8	14.3	4.5	8.3	28	43	81	51	45	117	128	97	33	25	33	Sunny
4.5	4.5	4.5	4.5	4.5	34	39	42	38	64	42	54	53	24	25	33	Partially Rainy

PALAKKAD DISTRICT SAMP REPORT APRIL 2023

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

STN	SamplingDate	MonitoringStation	Latitude	Longitude	Type Of	City	District	State	Monitoring	SO2_6AM_10A	SO2_10AM_14PM_18	SO2_18PM_22	SO2_22PM_2	SO2_2AM_6A	SO2_24	
Code	Sampling date*:	Name of monitoring station :			Location	City :	District	Name	Agency	M	4PM	PM	PM	AM	M	hourly average
Code	Sampling date*:	Name of monitoring station :			Area class	City :	District	Name	Name	Value of	Value of	Value of	Value of	Value of	Value of	
Code	Sampling date*:	Name of monitoring station :			Area class	City :	District	Name	Name	agency :	S02	S02	S02	S02	S02	S02
311B	03-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	*	*	*	*	*	*	*
311B	10-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	12-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	17-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2
311B	19-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	24-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	26-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0
311B	28-04-2023	BEML LIMITED	10.789629	76.785743	Industry	Palakkad	Palakkad	Kerala	KSPCB	2	2	2	2	2	2	2.0

* - Nemmara vallangi vela (festivel Air monitoring)

Temperature		NO2_6AM_10A	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 N02	4-Hourly Value of N02	4-Hourly Value of N02	4-Hourly Value of N02		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
*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
25	35	4.50	4.50	4.50	4.50	4.50	69	51	53	58	120	123	67	103	24
22	38	4.50	4.50	4.50	4.50	4.50	88	80	45	71	122	150	95	122	44
25	39	4.50	4.50	4.50	4.50	4.50	38	65	55	53	151	120	131	134	56
25	39	4.50	4.50	4.50	4.50	4.50	46	90	79	72	116	102	87	102	39
25	37	4.50	4.50	4.50	4.50	4.50	61	88	50	63	157	142	67	122	49
23	36	4.50	4.50	4.50	4.50	4.50	72	54	54	60	137	84	73	98	19
26	36	4.50	4.50	4.50	4.50	4.50	35	24	27	27	85	44	45	58	22

KANNUR DISTRICT SAMP REPORT APRIL 2023

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

Sampling Date	Monitoring Station	Latitude	Longitude	Types of location	City	District	State	Monitoring agency	SO ₂						
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg
				Class					4 hourly values of SO ₂						
03.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.3	2.0
10.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
17.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
19.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
24.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
26.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
28.04.2023	Kannur	11.878504	75.376382	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.4	2.0	2.1

Temperature(° c)		Weather	NOx					RSPM			RSPM 24hrs avg	SPM			SPM 24 hrs avg	PM 2.5
Min	Max		6AM- 10AM	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													
24	35	CLEAR	4.5	4.5	4.5	9.4	6.7	82.2	41.2	49.0	57.5	169.2	109.1	69.2	115.8	17.98
26	34	CLEAR	4.5	18.7	15.1	27.5	12.5	50.9	43.1	58.3	50.8	83.1	87.4	84.3	84.9	37.37
25	35	CLEAR	4.5	4.5	4.5	4.5	10.2	43.2	50.1	68.2	53.8	68.2	82.5	72.4	74.4	47.04
26	34	CLEAR	4.5	4.5	4.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.93
26	33	CLEAR	4.5	4.5	4.5	4.5	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.59
26	35	CLEAR	4.5	4.5	4.5	4.5	4.5	51.8	59.8	38.4	50.0	103.2	121.6	48.7	91.2	44.51
25	33	RAIN	4.5	4.5	4.5	4.5	4.5	35.9	41.8	49.5	42.4	51.0	52.4	58.5	54.0	11.17
26	34	CLEAR	4.5	4.5	4.5	4.5	4.5	39.3	42.7	37.4	39.8	47.0	49.2	46.3	47.5	9.11

Sampling Date	Monitoring Station	Latitude	Longitude	Types of location	City	District	State	Monitoring agency	SO ₂						
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg
									4 hourly values of SO ₂						
03.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.9	2.0	2.1
10.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
12.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.6	2.7	3.0	5.3	2.9
17.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.6	2.0	2.4	3.1	3.0	2.0	2.5
19.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.3	2.0	2.1	2.0	2.1
24.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
26.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0
28.04.2023	MANGATTPARAMBA	11.986566	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.1	2.8	2.0	2.0	2.1

Temperature (°c)		Weather	NOx					RSPM			RSPM 24hrs avg	SPM			SPM 24 hrs avg	PM 2.5
Min	Max		6AM-10AM	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													
24	35	CLEAR	13.2	17.0	15.7	16.3	15.3	43.9	36.3	39.3	39.8	107.5	70.7	58.4	78.8	22.49
26	34	CLEAR	4.5	16.6	4.5	4.5	6.5	48.7	53.7	49.1	50.5	95.4	83.9	57.6	79.0	37.27
25	35	CLEAR	4.5	4.5	12.3	14.8	11.1	50.9	113.7	14.0	59.5	98.1	132.1	14.8	81.6	39.45
26	34	CLEAR	4.5	4.5	4.5	4.5	4.5	46.4	51.9	79.8	59.4	87.9	102.3	90.1	93.4	50.71
26	33	CLEAR	4.5	4.5	4.5	4.5	4.5	50.6	36.2	53.0	46.6	104.2	47.3	64.9	72.1	31.80
26	35	CLEAR	4.5	4.5	4.5	4.5	4.5	38.5	34.1	35.3	36.0	72.5	60.0	43.7	58.7	27.35
25	33	RAIN	4.5	4.5	4.5	4.5	4.5	47.3	108.5	43.3	66.4	158.3	151.0	50.3	119.9	72.76
26	34	CLEAR	4.5	4.5	4.5	4.5	4.5	28.1	32.6	33.6	31.4	51.0	58.2	41.6	50.3	25.88