

IDUKKI DISTRICT SAMP REPORT NOVEMBER 2022

(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_10AM	SO2_10AM_14PM	SO2_14PM_18PM
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
SAMP-NIL	01-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	03-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	07-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	09-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	16-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	18-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	21-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	23-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	25-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	27-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	29-11-2022	Thodupuzha	9.904221	76.71136	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2

SO2_18PM_22PM	SO2_22PM_2AM	SO2_2AM_6AM	SO2 24 hourly average	Temperature°C		Weather	NO2_6AM_10AM	NO2_10AM14PM	NO2_14PM18PM	NO2_18PM_22PM	NO2_22PM_2AM	NO2_2AM_6AM	NO2 24 hourly average
				Min	Max								
4-Hourly Value of S02	4-Hourly Value of S02	4-Hourly Value of S02					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	
2	2	2	2.0	23	29	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	28	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	32	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	31	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	25	31	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	32	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	31	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	22	30	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	31	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	30	Partly cloudy	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	31	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5

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
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
35.74	43.55	25.17	34.82	75.61	83.56	63.82	74.33	5
37.72	43.54	35.74	39.00	79.73	65.34	62.48	69.18	23
52.36	56.55	40.23	49.72	78.06	85.31	61.13	74.84	10
56.81	48.79	34.30	46.64	84.43	71.97	55.77	70.72	28
40.96	43.73	38.72	41.13	71.09	74.25	58.13	67.82	5
41.60	59.97	39.31	46.96	78.98	90.62	63.21	77.61	34
46.81	36.38	34.52	39.24	80.72	66.92	54.83	67.49	23
41.65	51.43	36.16	43.08	63.41	90.72	73.57	75.90	13
43.27	41.75	26.84	37.29	71.87	67.75	57.85	65.83	30
35.43	44.73	28.68	36.28	56.05	75.64	48.95	60.21	18
49.90	37.82	26.22	37.98	77.91	60.76	54.44	64.37	32

STN Code	SamplingDate	Monitoring Station	Latitude	Longitude	Type Of Location	City	District	State Name	Monitoring Agency	SO2_ 6AM_10A M	SO2_ 10AM_14 PM	SO2 _14PM_18 PM
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
SAMP-NIL	01-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	03-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	07-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	09-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	16-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	18-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	21-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	23-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	25-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2
SAMP-NIL	29-11-2022	MUTTOM	9.840549	76.74777	CMRCL	TDPA	IDUKKI	KERALA	KSPCB	2	2	2

SO2_ 18PM_22 PM	SO2_ 22PM_2A M	SO2_ 2AM_6AM	SO2 24 hourly average	Temperature°C		Weather	NO2_ 6AM_10A M	NO2_ 10AM14P M	NO2_ 14PM18P M	NO2_18P M_22PM	NO2_ 22PM_2A M	NO2_ 2AM_6AM	NO2 24 hourly average
4-Hourly Value of S02	4-Hourly Value of S02	4-Hourly Value of S02		Min	Max		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	
2	2	2	2.0	23	29	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	24	29	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	32	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	31	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	30	Partly cloud	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	22	30	Partly cloud	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	22	30	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	30	Partly cloud	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	22	31	Partly cloud	4.5	4.5	4.5	4.5	4.5	4.5	4.5
2	2	2	2.0	23	30	Sunny	4.5	4.5	4.5	4.5	4.5	4.5	4.5

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
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
52.05	69.76	37.28	53.03	79.65	55.41	46.44	60.50	17
37.74	30.96	29.37	32.69	63.09	65.93	56.71	61.91	11
32.61	38.89	25.56	32.35	54.65	60.54	37.66	50.95	9
33.01	32.32	27.34	30.89	61.05	60.45	56.47	59.33	14
48.33	34.75	30.45	37.84	74.16	76.43	55.10	68.56	4
37.91	36.66	14.12	29.56	48.48	73.79	31.51	51.26	8
42.29	49.23	35.47	42.33	72.25	88.53	59.42	73.40	2
42.22	52.24	33.69	42.72	89.86	86.55	53.03	76.48	4
47.49	48.55	32.71	42.92	86.95	63.02	43.85	64.61	2
35.69	41.49	30.13	35.77	73.00	75.81	49.47	66.09	3

ERNAKULAM DISTRICT SAMP REPORT NOVEMBER 2022

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

Sampling	Monitoring	District	Latitude	Longitude	Type Of	State	Monitoring	SO2 _	SO2_	SO2	SO2_
Date	Station	Name			Location	Name	Agency	6AM_10A	10AM_2P	_2PM_6P	6PM_10P
		District					Name of	4-Hourly	4-Hourly	4-Hourly	4-Hourly
		Name					monitoring	Value of	Value of	Value of	Value of
							agency :	S02	S02	S02	S02
01-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
03-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
07-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
09-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
14-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
16-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
18-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
21-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
23-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
25-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2
28-11-2022	MUVATTUPEZHA	EKM	9.996199	76.572509	Commercial	Kerala	KSPCB	2	2	2	2

SO2_ 10PM_2A M	SO2_ 2AM_6AM	SO2 24 hourly average	NO2_ 6AM_10A M	NO2_ 10AM_2P M	NO2_ 2PM_6PM	NO2_ 6PM_10P M	NO2_ 10PM_2A M	NO2_ 2AM_6AM	NO2 24 hourly average	RSPM_ 6AM_2PM	RSPM_ 2PM_10P M	RSPM_ 10PM_6A M	RSPM 24 hourly average
4-Hourly Value of S02	4-Hourly Value of S02		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	
2	2	2.0	4.5	4.5	11.9	4.5	4.5	4.5	5.7	40	17	47	35
2	2	2.0	4.5	4.5	4.5	4.5	4.5	10.5	5.5	27	17	20	21
2	2	2.0	4.5	4.5	14.3	23.7	4.5	4.5	9.3	31	94	15	47
2	2	2.0	4.5	15.4	4.5	15.1	4.5	4.5	8.1	47	35	20	34
2	2	2.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	38	27	35	33
2	2	2.0	4.5	17.3	4.5	4.5	11.3	4.5	7.8	46	29	25	33
2	2	2.0	4.5	10.3	15.4	4.5	4.5	4.5	7.3	36	71	33	47
2	2	2.0	4.5	17	4.5	4.5	4.5	4.5	6.6	65	63	61	63
2	2	2.0	4.5	4.5	9.4	12.7	15.4	4.5	8.5	69	86	63	73
2	2	2.0	4.5	4.5	20.2	9.7	4.5	4.5	8.0	74	94	54	74
2	2	2.0	4.5	4.5	4.5	4.5	4.5	4.5	4.5	45	30	22	32

SPM_ 6AM_2PM	SPM_ 2PM_10P M	SPM_ 10PM_6A M	SPM 24 hourly average	PM 2.5 24 hourly average ($\mu\text{g}/\text{m}^3$)	Temperature		Weather
8-Hourly Value of SPM	8-Hourly Value of SPM	8-Hourly Value of SPM			Min	Max	
41	26	49	39	7	23	29	Sunny
34	24	28	29	12	23	30	Rainy
51	101	19	57	11	24	31	Sunny
59	43	24	42	14	24	31	Rainy
45	38	41	41	10	24	31	Rainy
57	39	32	43	8	25	31	Sunny
55	150	69	91	17	25	29	Rainy
86	67	78	77	20	23	30	Sunny
70	130	66	89	24	23	30	Sunny
112	129	58	100	49	24	31	Sunny
59	32	24	38	16	24	30	Sunny

NO2_6AM_10AM	NO2_10AM_2PM	NO2_2PM_6PM	NO2_6PM_10PM	NO2_10PM_2AM	NO2_2AM_6AM	NOx 24 hourly average	RSPM_6AM_2PM	RSPM_2PM_10PM	RSPM_10PM_6AM	RSPM 24 hourly average
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	
4.50	4.50	4.50	4.50	4.50	4.50	4.50	39.9	85.4	71.1	65.5
4.50	4.50	4.50	4.50	4.50	4.50	4.50	17.2	25.0	15.5	19.2
4.50	4.50	4.50	4.50	4.50	4.50	4.50	58.1	68.7	64.9	63.9
4.50	4.50	4.50	4.50	4.50	4.50	4.50	20.0	39.0	29.2	29.4
4.50	4.50	4.50	4.50	4.50	4.50	4.50	69.8	46.9	30.1	49.0
4.50	4.50	4.50	4.50	4.50	4.50	4.50	97.6	58.0	48.0	67.8
4.50	4.50	4.50	4.50	4.50	4.50	4.50	43.7	33.7	24.9	34.1
4.50	4.50	4.50	4.50	4.50	4.50	4.50	29.9	17.3	40.1	29.1
4.50	4.50	4.50	4.50	4.50	4.50	4.50	68.2	63.6	58.5	63.4
4.50	4.50	4.50	4.50	4.50	4.50	4.50	49.9	46.8	61.7	52.8
4.50	4.50	4.50	4.50	4.50	4.50	4.50	37.7	46.4	87.4	57.2

SPM_6AM_2PM	SPM_2PM_10PM	SPM_10PM_6AM	SPM 24 hourly average	PM2.5 (6AM-6AM)	<u>Temperature °C</u>		
8-Hourly Value of SPM	8-Hourly Value of SPM	8-Hourly Value of SPM		24-Hourly Value of PM 2.5 (µg/m ³)	<u>MIN</u>	<u>MAX</u>	Weather
65.7	123.1	94.8	94.6	15.21	23	32	Clear
29.3	30.1	46.0	35.1	12.82	23	32	Clear
67.1	85.3	77.0	76.4	11.75	22	229	Clear
43.2	94.2	62.2	66.5	8.95	21	32	Clear
97.5	105.9	66.0	89.8	14.23	23	31	Clear
155.4	116.6	97.1	123.0	18.76	22	29	Clear
80.9	40.2	50.1	57.0	16.27	23	31	Clear
52.9	49.0	66.1	56.0	15.04	20	31	Clear
140.0	77.2	80.0	99.1	50.23	21	31	Clear
125.1	121.3	107.3	117.9	17.72	22	30	Clear
105.0	106.3	158.0	123.1	11.72	22	31	Clear

KANNUR DISTRICT SAMP REPORT NOVEMBER 2022

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

Sampling Date	Monitorin g Station	Latitude	Longitude	Types of location	City	District	State	Monitorin g agency	SO ₂				
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM
				Class					4 hourly values of SO ₂				
01.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
03.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
07.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
09.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
14.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
16.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.4	2.0	2.0
18.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
21.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
23.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
25.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0
28.11.2022	Kannur	11.8785	75.37638	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0

PM 2.5 Machine not worked on 03.11.2022, 14.11.2022, 21.11.2022, 23.11.2022, 25.11.2022 and 28.11.2022 due to flow rate error.

		Temperature(°c)		Weather	NOx							RSPM	
2AM-6AM	24hrs avg	Min	Max		6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	6AM-2PM	2PM-10PM
					4 hourly values of NOx								
2.0	2.0	24	31	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	19.2	13.1
2.0	2.0	23	32	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	10.0	10.3
2.0	2.0	23	32	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	10.5	9.0
2.0	2.0				4.5	4.5	4.5	4.5	4.5	4.5	4.5	15.8	21.0
2.0	2.0	23	32	RAIN	4.5	4.5	4.5	4.5	4.5	4.5	4.5	12.6	12.1
2.0	2.1	23	32	CLEAR	4.5	4.5	4.5	4.5	12.4	4.5	5.8	3.2	6.5
2.0	2.0	21	31	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	13.2	17.7
2.0	2.0	22	32	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	29.4	15.0
2.0	2.0	21	31	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	24.6	50.4
2.0	2.0	23	33	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	13.3	16.4
2.0	2.0	23	31	RAIN	4.5	4.5	4.5	4.5	4.5	4.5	4.5	12.2	9.9

	RSPM 24hrs avg	SPM			SPM 24 hrs avg	PM 2.5
10PM- 6AM		6AM-2PM	2PM- 10PM	10PM- 6AM		
13.1	12.3	17.6	17.6	16.8	15.8	16.19
7.8	8.3	14.8	12.3	12.8	11.8	
7.7	8.0	13.5	12.2	12.5	11.2	27.83
16.3	13.8	25.5	20.8	18.3	20.0	12.78
7.4	9.7	16.6	11.9	14.2	12.7	
7.8	5.1	11.0	20.2	9.6	12.1	18.14
13.8	11.8	22.2	18.3	16.3	17.4	33.78
24.1	16.3	19.5	28.6	20.8	21.5	
24.4	26.5	54.9	28.9	31.0	36.7	
19.3	11.4	20.9	23.8	15.9	18.7	
2.9	8.9	14.4	7.4	13.4	10.2	

Sampling Date	Monitoring Station	Latitude	Longitude	Types of location	City	District	State	Monitoring agency	SO ₂			
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM
				Class					4 hourly values of SO ₂			
01.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
03.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
07.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
09.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
14.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
16.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
18.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
21.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
23.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
25.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0
28.11.2022	MANGATTPARAMBA	11.98657	75.381995	Y	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0

PM 2.5 Machine not worked on 03.11.2022, 07.11.2022, 14.11.2022, and 28.11.2022 due to flow rate error.

			Temperature(°c)		Weather	NOx							
10PM-2AM	2AM-6AM	24hrs avg	Min	Max		6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs avg	6AM-2PM
						4 hourly values of NOx							
2.0	2.0	2.0	24	31	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	62.1
2.0	2.0	2.0	23	32	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	45.7
2.0	2.0	2.0	23	32	CLEAR	11.6	11.2	4.5	4.5	4.5	4.5	6.8	63.0
2.0	2.0	2.0				4.5	4.5	4.5	4.5	4.5	4.5	4.5	56.9
2.0	2.0	2.0	23	32	RAIN	4.5	12.7	4.5	4.5	4.5	4.5	5.9	46.7
2.0	2.0	2.0	23	32	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	12.6
2.0	2.0	2.0	21	31	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.1
2.0	2.0	2.0	22	32	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	121.1
2.0	2.0	2.0	21	31	CLEAR	4.5	4.5	4.5	4.5	4.5	4.5	4.5	90.1
23.6	2.0	5.6	23	33	CLEAR	4.5	4.5	4.5	23.6	4.5	4.5	7.7	42.3
2.0	2.0	2.0	23	31	RAIN	9.8	9.9	11.2	4.5	4.5	4.5	7.4	42.9

RSPM		RSPM 24hrs avg	SPM			SPM 24 hrs avg	PM 2.5
2PM- 10PM	10PM- 6AM		6AM-2PM	2PM- 10PM	10PM- 6AM		
46.2	66.1	58.2	78.4	62.2	74.1	71.6	23.48
35.5	28.0	36.4	65.0	39.3	30.7	45.0	
1.3	1.0	21.7	80.7	10.2	3.0	31.3	
96.6	76.7	76.7	77.5	109.4	98.2	95.0	43.23
38.4	14.7	33.3	77.2	44.7	21.5	47.8	
22.8	44.3	26.5	22.4	35.1	54.8	37.4	35.60
91.3	96.0	62.5	1.7	119.4	164.0	95.0	21.02
72.0	97.1	96.7	147.2	90.0	110.4	115.9	43.56
95.0	93.9	93.0	129.4	106.2	123.7	119.8	29.71
71.7	80.1	64.7	49.2	84.6	87.5	73.7	84.92
38.8	45.4	42.4	59.3	48.7	52.3	53.4	

KASARAGOD DISTRICT SAMP REPORT NOVEMBER 2022

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

Station 01: Kasaragod Town

Monitoring Station : Kasaragod municipality

Type of Location : Residential

Monitoring Agency : KSPCB

STN Code	Parameter →		SO ₂ ($\mu\text{g}/\text{m}^3$)										
	Sampling Date↓/Time →	Weather	06-10	10-14	14-18	18-22	22-02	02-06	4 hrs Max	24 hrs avg	06-10	10-14	14-18
KSRD 01	01-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	03-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	07-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	09-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	14-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	16-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	18-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	21-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	23-11-2022	CLOUDY	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
	25-11-2022	CLOUDY	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5
28-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	

NOx($\mu\text{g}/\text{m}^3$)					RSPM ($\mu\text{g}/\text{m}^3$)					TOTAL SPM ($\mu\text{g}/\text{m}^3$)				
18-22	22-02	02-06	4 hrs Max	24 hrs avg	06-14	14-22	22-06	8 hrs Max	24 hrs avg	06-14	14-22	22-06	8 hrs Max	24 hrs avg
4.5	4.5	4.5	4.5	4.5	31	35	32	35	33	72	78	71	78	74
4.5	4.5	4.5	4.5	4.5	44	34	29	44	36	86	69	59	86	71
4.5	4.5	4.5	4.5	4.5	28	32	41	41	34	54	67	82	82	68
4.5	4.5	4.5	4.5	4.5	32	43	34	43	37	70	89	68	89	75
4.5	4.5	4.5	4.5	4.5	27	30	21	30	26	59	64	46	64	56
4.5	4.5	4.5	4.5	4.5	33	31	32	33	32	70	71	74	74	72
4.5	4.5	4.5	4.5	4.5	32	40	38	40	37	68	77	79	79	75
4.5	4.5	4.5	4.5	4.5	33	34	29	34	32	68	73	46	73	62
4.5	4.5	4.5	4.5	4.5	30	27	13	30	23	64	53	32	64	50
4.5	4.5	4.5	4.5	4.5	32	35	22	35	30	65	66	42	66	58
4.5	4.5	4.5	4.5	4.5	46	32	28	46	35	91	62	61	91	71

Station 02: Kanhangad Town**Monitoring Station : Kanhangad municipality****Type of Location : Residential****Monitoring Agency : KSPCB**

STN Code	Parameter →	Weather	SO ₂ (µg/m ³)								NO _x (µg/m ³)				
			06-10	10-14	14-18	18-22	22-02	02-06	4 hrs Max	24 hrs avg	06-10	10-14	14-18	18-22	
KNHD 02	01-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	03-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	07-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	09-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	14-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	16-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	18-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	21-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	23-11-2022	CLOUDY	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	25-11-2022	CLOUDY	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5
	28-11-2022	CLEAR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.5	4.5	4.5	4.5

NOx($\mu\text{g}/\text{m}^3$)				RSPM ($\mu\text{g}/\text{m}^3$)					TOTAL SPM ($\mu\text{g}/\text{m}^3$)					PM2.5 ($\mu\text{g}/\text{m}^3$)
22-02	02-06	4 hrs Max	24 hrs avg	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
4.5	4.5	4.5	4.5	32	33	25	33	30	68	68	55	68	64	23
4.5	4.5	4.5	4.5	30	29	31	31	30	61	54	67	67	61	25
4.5	4.5	4.5	4.5	38	28	33	38	33	88	58	61	88	69	28
4.5	4.5	4.5	4.5	22	29	33	33	28	52	61	69	69	61	27
4.5	4.5	4.5	4.5	34	47	26	47	36	71	96	55	96	74	32
4.5	4.5	4.5	4.5	36	32	38	38	36	76	62	81	81	73	26
4.5	4.5	4.5	4.5	45	32	32	45	36	88	63	64	88	72	33
4.5	4.5	4.5	4.5	41	33	29	41	34	91	72	57	91	73	31
4.5	4.5	4.5	4.5	36	24	18	36	26	74	58	28	74	53	22
4.5	4.5	4.5	4.5	33	26	11	33	24	69	62	20	69	51	16
4.5	4.5	4.5	4.5	36	36	28	36	33	82	77	68	82	75	21