





### KANNUR DISTRICT SAMP DATA AUGUST 2023

Sampling Date	Monitoring Station	Latitude	Longitude	Types of Location	City	District	State	Monitoring Agency	SO <sub>2</sub>							Temperature		Weather
									6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	24hrs	Min	Max		
									4 hourly values of SO <sub>2</sub>									
01.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	2	2	2	2	2	2	2	24	31	CLEAR
03.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	2	2	2	2	2	2	2	26	30	CLEAR
07.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	2	2	2	2	2	2	2	25	31	CLEAR
10.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	2	2	2	2	2	2	2	24	31	RAIN
16.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	2	2	2	2	2	2	2	24	32	CLEAR
18.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	0	0	0	0	0	0		23	31	RAIN
21.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	0	0	0	0	0	0		24	32	RAIN
23.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	0	0	0	0	0	0		23	31	CLEAR
25.08.2023	Kannur	11.8785	75.37638	COMMERC	Kannur	Kannur	Kerala	KSPCB	2	2	2	2	2	2	2	24	33	CLEAR
NOx							RSPM		RSPM	SPM		SPM	PM 2.5					
6AM-10AM	10AM-2PM	2PM-6PM	6PM-10PM	10PM-2AM	2AM-6AM	24hrs av	6AM-2PM	2PM-10PM	10PM-6AM	6AM-10PM	10PM-6AM							
4 hourly values of NOx																		
4.5	4.5	4.5	4.5	4.5	4.5	4.5	55.3	28.73	25.7	36.57	82.1	44.26	42	56	13.8			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	62.644	17.15	30.2	36.67	94.8	37.5	59	64	19.6			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	27.724	65.18	28.6	40.51	28.9	67.02	34	43	18.9			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	42.644	35.43	24.4	34.15	76	44.57	108	76	12.5			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	39.647	17.76	24.7	27.37	73.6	47.76	67	63	24.1			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.67			
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26.9			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	13.429	15.85	18.2	15.82	31	46.43	20	33	16.8			

## SAMP DATA -2023-AUGUST KANNUR (MANGATTUPARAMBA)

Sampling Date	Monitoring Station	Latitude	Longitude	Types of location	City	District	State	Monitoring agency	SO <sub>2</sub>							Temperature		Weather
									M-10A	M-2A	PM-6A	PM-10A	PM-2A	M-6A	24hrs avg	Min	Max	
									4 hourly values of SO <sub>2</sub>									
01.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	31	CLEAR
03.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	26	30	CLEAR
07.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	25	31	CLEAR
10.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	31	RAIN
16.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	32	CLEAR
18.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	31	RAIN
21.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	32	RAIN
23.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	23	31	CLEAR
25.08.2023	NGATTPARAM	11.98657	75.382	INDUSTRIAL	Kannur	Kannur	Kerala	KSPCB	2.0	2.0	2.0	2.0	2.0	2.0	2.0	24	33	CLEAR
<b>NO<sub>x</sub></b>							<b>RSPM</b>			<b>RSPM 24hrs avg</b>	<b>SPM</b>			<b>SPM 24 hrs avg</b>	<b>PM 2.5</b>			
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 NO <sub>x</sub>																		
4.5	4.5	4.5	4.5	4.5	4.5	<b>4.5</b>	17.9	29.0	25.9	24.3	28.7	56.5	50.4	45.2	30.04			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	25.1	13.7	30.8	23.2	60.6	41.9	68.8	57.1	27.60			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	0.0	16.6	46.8	21.1	13.6	180.1	54.6	82.7	17.59			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	18.7	9.6	35.7	21.3	30.5	20.4	50.7	33.9	13.85			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	32.2	23.2	64.3	39.9	43.0	35.9	75.8	51.6	27.25			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	17.4	13.7	12.7	14.6	34.1	25.0	25.1	28.1	10.99			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	14.5	11.8	11.9	12.7	45.3	35.3	28.0	36.2				
4.5	4.5	4.5	4.5	4.5	4.5	4.5	15.4	27.3	33.4	25.4	25.3	32.5	46.7	34.8	17.63			
4.5	4.5	4.5	4.5	4.5	4.5	4.5	23.1	14.4	41.8	26.4	35.7	28.3	59.1	41.1	####			

21.08.2023 - PM 2.5 Monitoring not done due to flow rate error.

### SAMP DATA FOR THE MONTH OF AUGUST 2023-PALAKKAD

STN Code	Sampling Date	Monitoring Station	Latitude	Longitude	Type Of Location	City	District	State Name	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_14P	SO2_14PM_18M	SO2_18PM_22P	SO2_22P	SO2_2AM_6AM	SO2_24 hourly	Temperature	
Station Code	Sampling date*:	Name of monitoring station :			Area class :	City :	District Name	State Name	Name of monitoring	4-Hourly Value of	4-Hourly	4-Hourly	4-Hourly Value	4-Hourly	4-Hourly Value		Min	Max
311B	01-08-2023	LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2	24	34
311B	03-08-2023	LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2	24	34
311B	07-08-2023	LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2	24	34
311B	10-08-2023	LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2	22	34
311B	16-08-2023	LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2.0	24	33
311B	18-08-2023	BEML LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2.0	23	35
311B	21-08-2023	BEML LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2.0	24	35
311B	23-08-2023	BEML LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2.0	23	35
311B	25-08-2023	BEML LIMITED	10.7896	76.7857	Industry	Palakkad	PLKD	Kerala	KSPCB	2	2	2	2	2	2	2.0	24	34
NO2_6AM_10AM	NO2_10AM14PM	NO2_14PM18PM	NO2_18PM_22PM	NO2_22PM_2AM	NO2_2AM_6AM	NO2_24 hourly average	RSPM_6AM_14PM_2PM	RSPM_14PM_22PM_6AM	RSPM_24 hourly	SPM_6AM_14PM_22PM	SPM_14PM_22PM_6AM	SPM_24 hourly	PM 2.5					
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		8-Hourly Value	8-Hourly Value of RSPM	8-Hourly Value of RSPM		8-Hourly	8-Hourly	8-Hourly Value		24-hourly value			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	31	28	27	29	78	107	54	80	9			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	28	32	31	30	81	122	55	86	12			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	29	50	39	39	81	124	60	88	8			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	47	40	43	43	99	84	65	83	9			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	62	51	41	51	92	70	80	81	8			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	73	74	76	74	142	123	116	127	8			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	51	31	47	43	106	79	87	91	11			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	55	50	28	44	108	97	70	92	9			
4.50	4.50	4.50	4.50	4.50	4.50	4.50	59	62	61	61	116	114	80	103	17			

**AMBIENT AIR MONITORING DATA AUGUST 2023**

**(All parameters are in µg/l)**

**STATION : MUVATTUPUZHA**

Sampling Date	Monitoring Station	District Name	Latitude	Longitude	Type Of Location	State Name	Monitoring Agency	SO2_6AM_10AM	SO2_10AM_2PM	SO2_2PM_6PM	SO2_6PM_10PM	SO2_10PM_2AM	SO2_2AM_6AM	SO2_24 hourly average					
		District Name					Name of monitoring	4-Hourly Value of SO2	4-Hourly Value	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value of SO2	4-Hourly Value	4-Hourly average				Temperature	Weather
01-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	4	2.3					
03-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
07-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
10-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
16-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
18-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
21-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
23-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
25-08-2023	MUVATTUPUZHA	EKM	9.996199	76.57251	Commercial	Kerala	KSPCB	2	2	2	2	2	2	2.0					
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	Min	Max	Weather	
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	4.5	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						
4.5	4.5	4.5	4.5	4.5	4.5	4.5	28	64	26	39	54	83	42	60	26	26	30	Sunny	
4.5	4.5	4.5	4.5	4.5	4.5	4.5	29	23	47	33	40	35	70	48	17	26	30	Sunny	
4.5	4.5	4.5	4.5	4.5	10.7	5.5	26	18	42	29	45	29	44	39	15	25	31	Sunny	
4.5	4.5	4.5	4.5	4.5	4.5	4.5	29	20	31	27	36	26	42	35	17	26	30	Sunny	
4.5	17.7	13.1	4.5	4.5	4.5	8.1	59	49	24	44	133	70	57	87	35	25	31	Sunny	
4.5	4.5	4.5	4.5	4.5	4.5	4.5	44	20	22	29	66	25	40	44	19	26	31	Sunny	
4.5	4.5	4.5	4.5	4.5	4.5	4.5	47	28	27	34	69	85	31	62	21	26	31	Sunny	
9.5	13.7	4.5	4.5	4.5	4.5	6.9	67	33	20	40	129	58	24	70	26	27	31	Rainy	
4.5	4.5	4.5	4.5	4.5	4.5	4.5	56	69	26	50	101	116	44	87	31	25	31	Sunny	