

SAMP DATA FOR THE MONTH OF NOVEMBER 2023 - MUVATTUPUZHA (ERNAKULAM)

| 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 | NO2_6AM_10AM | NO2_10AM_2PM | NO2_2PM_6PM |
|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|----------------------------------|-----------------------|-----------------------|-----------------------|----------------|-----------------------|-----------------------|-----------------------|
| | | | | | | | | 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 | hourly average | 4-Hourly Value of NO2 | 4-Hourly Value of NO2 | 4-Hourly Value of NO2 |
| 11/1/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 4.5 | 4.5 | 4.5 |
| 11/3/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 4 | 2 | 2 | 2 | 2.3 | 4.5 | 18 | 4.5 |
| 11/6/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 4.5 | 4.5 | 4.5 |
| 11/8/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 4.5 | 4.5 | 11 |
| 11/13/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 4 | 2 | 4 | 2 | 2 | 2.7 | 4.5 | 14.6 | 12.8 |
| 11/16/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 4.5 | 4.5 | 4.5 |
| 11/20/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 4 | 2 | 2 | 2 | 2 | 2.3 | 4.5 | 4.5 | 9.8 |
| 11/27/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 4.5 | 4.5 | 4.5 |
| 11/29/2023 | MUVATTUPUZHA | EKM | 9.996199 | 76.572509 | Commercial | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | 20.4 | 19.2 | 29.6 |
| NO2_6PM_10PM | NO2_10PM_2AM | NO2_2AM_6AM | NO2 24 hourly average | RSPM_6AM_2PM | RSPM_2PM_10PM | RSPM_10PM_6AM | SPM_2PM_10PM | SPM_10PM_6AM | SPM 24 hourly average | PM 2.5 24 hourly average (µg/m³) | Temperature | | Weather | | | | |
| 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 | | | Min | Max | | | | | |
| 4.5 | 18.9 | 12.5 | 4.5 | 53 | 47 | 22 | 55 | 54 | 58 | 38 | 25 | 31 | Partially Rainy | | | | |
| 4.5 | 4.5 | 4.5 | 9.0 | 30 | 49 | 24 | 55 | 69 | 55 | 39 | 26 | 31 | Partially Rainy | | | | |
| 14.6 | 4.5 | 4.5 | 4.5 | 22 | 34 | 17 | 44 | 81 | 50 | 13 | 25 | 31 | Sunny | | | | |
| 16.2 | 4.5 | 4.5 | 6.7 | 40 | 17 | 22 | 18 | 29 | 31 | 32 | 24 | 31 | Partially Rainy | | | | |
| 4.5 | 4.5 | 4.5 | 10.6 | 35 | 14 | 56 | 51 | 118 | 84 | 37 | 25 | 32 | Sunny | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 33 | 49 | 21 | 58 | 27 | 46 | 36 | 26 | 31 | Sunny | | | | |
| 4.5 | 4.5 | 4.5 | 6.3 | 30 | 42 | 46 | 48 | 53 | 46 | 22 | 25 | 37 | Sunny | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 30 | 19 | 26 | 20 | 29 | 40 | 17 | 25 | 33 | Sunny | | | | |
| 31.4 | 4.5 | 4.5 | 23.1 | 36 | 21 | 35 | 27 | 42 | 45 | 21 | 26 | 32 | Sunny | | | | |

SAMP DATA FOR THE MONTH OF NOVEMBER - 2023 - MUTTOM (IDUKKI)

| STN Code | Sampling Date | Monitoring Station | Latitude | Longitude | Type Of Location | City | District | 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 | Temperature | | Weather |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|-------------|---------------|---------|
| | | | | | Area | | | | | 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 | °C | Min | Max | |
| | | | | | class : | | | | | | | | | | | | | | |
| SAMP-NIL | 11/1/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/3/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/6/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/8/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/13/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/16/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/20/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/23/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/27/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/29/2023 | MUTTOM | 9.840549 | 76.74777 | CMRCL | TDPA | IDUKKI | 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 value | Temperature °C | | Weather | |
| 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 | 4-Hourly Value of NO2 | 8-Hourly Value of RSPM | 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 | 8-Hourly Value of SPM | 8-Hourly Value of SPM | 24-hourly value | Min | Max | Weather |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 24 | 32 | 19 | 25 | 56 | 68 | 39 | 54 | 20 | 25 | 33 | Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 17 | 22 | 19 | 19 | 40 | 46 | 35 | 40 | 19 | 23 | 30 | Partly Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 18 | 37 | 25 | 27 | 48 | 52 | 47 | 49 | 15 | 23 | 27 | Partly cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 22 | 33 | 27 | 28 | 26 | 53 | 48 | 42 | 16 | 24 | 31 | Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 29 | 31 | 19 | 26 | 62 | 65 | 39 | 55 | 14 | 25 | 32 | Sunny | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 27 | 36 | 24 | 29 | 45 | 55 | 45 | 49 | 21 | 24 | 30 | Partly Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 31 | 36 | 20 | 29 | 45 | 56 | 28 | 43 | 22 | 24 | 33 | Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 11 | 25 | 23 | 20 | 33 | 53 | 38 | 41 | 17 | 24 | 31 | Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 28 | 42 | 26 | 32 | 63 | 68 | 32 | 54 | 18 | 23 | 27 | Cloudy | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 16 | 24 | 21 | 20 | 49 | 40 | 42 | 44 | 16 | 24 | 31 | Rainy | |

SAMP DATA FOR THE MONTH OF NOVEMBER - 2023 - THODUPUZHA (IDUKKI)

| STN Code | Sampling Date | Monitoring Station | Latitude | Longitude | Type Of Location | City | District | 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 | | | Weather |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|-----------------------|------------------------|-----------------------|---------------|
| | | | | | Area class : | | | | | 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 | | RSPM 24 hourly average | SPM 24 hourly average | |
| SAMP-NIL | 11/1/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/3/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/6/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/8/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/13/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/16/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/20/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/23/2023 | THODUPUZHA | 9.904221 | 76.711358 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/27/2023 | Thodupuzha | 9.904221 | 76.711358 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/23/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/27/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | KERALA | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | | | |
| SAMP-NIL | 11/29/2023 | THODUPUZHA | 9.9039812 | 76.7114615 | CMRCL | TDPA | IDUKKI | 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 value | Temperature° | Min | Max | Weather |
| 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 | 4-Hourly Value of NO2 | 8-Hourly Value of RSPM | 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 | 8-Hourly Value of SPM | 24-hourly value | Temperature° | Min | Max | Weather |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 37 | 42 | 32 | 37 | 85 | 96 | 65 | 82 | 27 | 24 | 31 | 31 | Cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 23 | 23 | 19 | 22 | 55 | 67 | 46 | 56 | 20 | 23 | 30 | 30 | Partly Cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 24 | 28 | 15 | 22 | 56 | 65 | 45 | 55 | 18 | 23 | 27 | 27 | Partly cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 28 | 27 | 24 | 26 | 55 | 55 | 55 | 55 | 21 | 24 | 32 | 32 | Cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 34 | 40 | 36 | 36 | 60 | 76 | 59 | 65 | 19 | 24 | 36 | 36 | Sunny |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 29 | 56 | 17 | 34 | 81 | 94 | 46 | 73 | 23 | 25 | 35 | 35 | Sunny |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 21 | 46 | 26 | 31 | 60 | 76 | 66 | 67 | 33 | 25 | 35 | 35 | Partly cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 20 | 27 | 14 | 20 | 66 | 74 | 55 | 65 | 21 | 25 | 33 | 33 | cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 11 | 20 | 19 | 17 | 64 | 60 | 48 | 57 | 29 | 24 | 28 | 28 | cloudy |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 30 | 34 | 31 | 32 | 75 | 80 | 68 | 74 | 26 | 25 | 30 | 30 | Rainy |

SAMP DATA FOR THE MONTH OF NOVEMBER 2023 - BEML LIMITED (PALAKKAD)

| STN Code | Sampling Date | Monitoring Station | Latitude | Longitude | Type Of | City | District | State Name | Monitoring Agency | SO2_6AM_10AM | SO2_10AM_14PM | SO2_14PM_18PM | SO2_18PM_22PM | SO2_22PM_2AM | SO2_2AM_6AM | SO2 24 hourly average | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------------|-----------------------|------------------------|------------------------|------------------------|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----|
| | | | | | Location Area class : | | | | | 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 | | |
| 311B | 01/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 311B | 03/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 311B | 06/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 311B | 08/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| 311B | 13/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | |
| 311B | 16/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | |
| 311B | 20/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | |
| 311B | 23/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | |
| 311B | 27/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | |
| 311B | 29/11/2023 | BEML LIMITED | 10.789629 | 76.785743 | Industry | Palakkad | Palakkad | Kerala | KSPCB | 2 | 2 | 2 | 2 | 2 | 2 | 2.0 | |
| NO2_6AM_10AM | NO2_10AM_14PM | NO2_14PM_18PM | 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 | Temperature | |
| 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 | Min | Max |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 92 | 90 | 79 | 87 | 142 | 129 | 69 | 113 | 54 | 23 | 28 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 32 | 66 | 64 | 54 | 166 | 107 | 43 | 105 | 51 | 23 | 27 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 52 | 27 | 36 | 38 | 111 | 126 | 102 | 113 | 38 | 24 | 28 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 36 | 48 | 72 | 52 | 70 | 100 | 105 | 92 | 57 | 22 | 28 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 81 | 54 | 71 | 69 | 141 | 128 | 65 | 111 | 46 | 21 | 28 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 43 | 31 | 52 | 42 | 118 | 116 | 112 | 115 | 52 | 22 | 27 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 60 | 31 | 40 | 44 | 116 | 127 | 144 | 129 | 55 | 22 | 27 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 51 | 36 | 19 | 35 | 127 | 99 | 135 | 120 | 21 | 22 | 29 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 20 | 15 | 25 | 20 | 86 | 122 | 122 | 110 | 14 | 23 | 28 |
| 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 4.50 | 58 | 51 | 39 | 49 | 86 | 75 | 57 | 73 | 9 | 23 | 28 |

SAMP DATA FOR THE MONTH OF NOVEMBER 2023 - MANGATTAPARAMBU (KANNUR)

| Sampling Date | Monitoring Station | Latitude | Longitude | Types of location | | City | District | State | Monitoring agency | SO2 | | | | | | | 24hrs avg | |
|------------------------|--------------------|-----------|-----------|-------------------|------------------------|-----------|----------|----------|-------------------|----------------|---------|----------|----------|----------------|-----------------|-----|-----------|-------|
| | | | | Class | 6AM-10AM | | | | | 10AM-2PM | 2PM-6PM | 6PM-10PM | 10PM-2AM | 2AM-6AM | | | | |
| | | | | | 4 hourly values of SO2 | | | | | | | | | | | | | |
| 01.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 03.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 06.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 08.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 13.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 16.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 20.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 23.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 27.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| 29.11.2023 | MANGATTPARAMBA | 11.986566 | 75.381995 | INDUSTRIAL | | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | |
| NOx | | | | | | | RSPM | | | | SPM | | | | Temperature(°c) | | Weather | |
| 6AM-10AM | 10AM-2PM | 2PM-6PM | 6PM-10PM | 10PM-2AM | 2AM-6AM | 24hrs avg | 6AM-2PM | 2PM-10PM | 10PM-6AM | RSPM 24hrs avg | 6AM-2PM | 2PM-10PM | 10PM-6AM | SPM 24 hrs avg | PM 2.5 | Min | | Max |
| 4 hourly values of NOx | | | | | | | | | | | | | | | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 40.7 | 22.1 | 38.3 | 33.7 | 70.5 | 38.7 | 72.8 | 60.7 | 30.68 | 23 | 33 | CLEAR |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 30.5 | 29.9 | 31.3 | 30.6 | 50.0 | 50.4 | 61.4 | 53.9 | 34.95 | 25 | 33 | RAIN |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 70.9 | 30.4 | 44.7 | 48.7 | 100.7 | 30.5 | 44.7 | 58.6 | 20.31 | 25 | 33 | CLEAR |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 30.9 | 38.0 | 45.4 | 38.1 | 45.8 | 53.5 | 60.1 | 53.1 | 43.04 | 23 | 30 | RAIN |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 109.6 | 71.6 | 147.8 | 109.7 | 124.5 | 92.3 | 182.7 | 133.2 | 90.64 | 23 | 33 | CLEAR |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 75.6 | 52.9 | 208.5 | 112.3 | 91.9 | 69.5 | 223.5 | 128.3 | 86.62 | 24 | 33 | CLEAR |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 83.4 | 79.9 | 73.5 | 78.9 | 100.7 | 100.0 | 107.0 | 102.5 | 55.56 | 24 | 35 | CLEAR |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 31.5 | 39.4 | 44.2 | 38.4 | 47.8 | 62.9 | 75.7 | 62.2 | 49.78 | 24 | 31 | RAIN |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 55.0 | 59.9 | 61.7 | 58.9 | 80.1 | 80.6 | 91.5 | 84.1 | 44.90 | 24 | 34 | CLEAR |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 66.0 | 74.6 | 77.5 | 72.7 | 88.9 | 94.5 | 108.7 | 97.3 | 62.52 | 24 | 34 | CLEAR |

SAMP DATA FOR THE MONTH OF NOVEMBER 2023 - KANNUR (KANNUR)

| Sampling Date | Monitoring Station | Latitude | Longitude | Types of location | City | District | State | Monitoring agency | SO2 | | | | | | | Temperature(°c) | | Weather | |
|------------------------|--------------------|-----------|-----------|------------------------|---------|-----------|---------|-------------------|----------|----------------|---------|----------|----------|----------------|-----------|-----------------|-----|---------|-------|
| | | | | Class | | | | | 6AM-10AM | 10AM-2PM | 2PM-6PM | 6PM-10PM | 10PM-2AM | 2AM-6AM | 24hrs avg | Min | Max | | |
| | | | | 4 hourly values of SO2 | | | | | | | | | | | | | | | |
| 01.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 23 | 33 | CLEAR |
| 03.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 25 | 33 | RAIN |
| 06.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 25 | 33 | CLEAR |
| 08.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 23 | 30 | RAIN |
| 13.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 23 | 33 | CLEAR |
| 16.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 33 | CLEAR |
| 20.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 35 | CLEAR |
| 23.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 31 | RAIN |
| 27.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 34 | CLEAR |
| 29.11.2023 | Kannur | 11.878504 | 75.376382 | COMMERCIAL | Kannur | Kannur | Kerala | KSPCB | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 24 | 34 | CLEAR |
| NOx | | | | | | | RSPM | | | RSPM 24hrs avg | SPM | | | SPM 24 hrs avg | 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 | | | | | | | | | | | | | | | | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 14.9 | 18.4 | 22.6 | 18.6 | 28.0 | 35.8 | 46.1 | 36.6 | 26.14 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 27.4 | 33.5 | 61.9 | 40.9 | 39.2 | 60.4 | 100.7 | 66.8 | 24.16 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 33.1 | 16.0 | 19.4 | 22.8 | 39.4 | 39.2 | 46.3 | 41.7 | 12.66 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 37.8 | 26.7 | 46.2 | 36.9 | 53.9 | 73.7 | 62.2 | 63.3 | 34.25 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 64.4 | 57.4 | 75.5 | 65.8 | 74.6 | 69.7 | 92.3 | 78.9 | 71.16 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 77.8 | 70.9 | 130.4 | 93.0 | 105.1 | 101.4 | 168.4 | 125.0 | 87.85 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 67.3 | 50.0 | 58.4 | 58.6 | 90.4 | 63.3 | 78.9 | 77.5 | 51.52 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 17.7 | 34.4 | 44.4 | 32.2 | 43.5 | 62.6 | 74.4 | 60.2 | 21.77 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 41.9 | 53.4 | 57.1 | 50.8 | 60.1 | 68.0 | 79.8 | 69.3 | 44.10 | | | | |
| 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 57.5 | 46.9 | 60.3 | 54.9 | 72.4 | 60.6 | 80.2 | 71.1 | 53.56 | | | | |