



Kamarajar Port Limited
Vallur Post, Chennai-600 120, Tamil Nadu, India

Reports on Environmental Monitoring of Kamarajar Port Limited



Study Period: January 2026

Prepared By



NITYA LABORATORIES

Address: Plot No.118, Church Road, Behind Kausik Vatika, Bhagat Singh Colony, Ballabgarh,
Faridabad, Delhi NCR, India

Tel.: +91-129-2241021

Mobile No.: +91-9873924093, +91-9013591021, +91-9013552273

E-Mail ID: info@nityalab.com

Website: www.nityalab.com

Introduction

Kamaraj Port Trust is the First Corporatized Port in India and the 12th Major Port. It Works on the model of 'Landlord' concept. KPL's policy is to manage the port in a pro-active manner to minimize any impacts from port operations or new developments. Kamaraj port handles coal for Tamil Nadu Electric Board, POL products and export of automobiles. Data generations on environmental quality constitute the basis for environmental appraisal of the project. Thus, data on environmental quality has to be periodically monitored and also to comply with the TNPCB / MOEF conditions.

With this background and need Kamaraj Port Limited has appointed M/s. Nitya Laboratories to undertake the same. KPL has awarded the work to M/s. Nitya Laboratories vide work order No. KPL/MS/HSE/EM/05/2023 dated 10.03.2023.

Accordingly, environmental quality data on Ambient Air and Effluent (Sewage) for the month of January 2026 is presented in this report.

2.0 Scope and Methodology:

The scope of work, works carried out and methodology adopted for the survey are described below:

2.1 Ambient Air Quality

As a part of study, Ambient Air Quality Parameters were measured during the monitoring day's date of PM₁₀, PM_{2.5}, SO₂, NO₂, Methane and CO were monitored.



AMBIENT AIR QUALITY MONITORING:

Ambient air quality was monitored at different locations inside the port. The study area covers the periphery of Port and other parts of the port. A Total of 8 Ambient Air Quality Monitoring Stations covering both upwind and downwind were monitored during January 2026.

Table: Details of Ambient Air Quality Monitoring Locations

| Sr. No | Stations Code | Sampling Locations |
|--------|---------------|---|
| 1 | AAQM-1 | Security Main Gate |
| 2 | AAQM-2 | Inside the Port Administrative Building |
| 3 | AAQM-3 | Signal Station |
| 4 | AAQM-4 | Finger Jetty |
| 5 | AAQM-5 | At the Car Parking Yard |
| 6 | AAQM-6 | At General Cargo Berth |
| 7 | AAQM-7 | At Fire Station |
| 8 | AAQM-8 | Guest House |

Ambient Air Quality Monitoring was carried out at 8 locations, with 2 samples per week. A Total of 72 Samples, each of PM10 & PM2.5, Samples of SO2, NO2, Methane and CO, were monitored by using a Respirable dust sampler— fine Particulate Sampler, Methane & CO Analyser.

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PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

www.nityalab.com

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PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

www.nityalab.com

Test Reports of Ambient Air Quality Monitoring

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
Authorised
(RAVINDER MITTAL)

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+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

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Vallur Post, Chennai, India

ULR No. TC14814260000001F.49F, 122F, 173F, 242F, 275F,
349F, 401F, 458F
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Main Gate
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|--|---|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO ₂) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO ₂) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 27.40 | 61.40 | 17.20 | 30.20 | ND |
| 2 | 07-01-2026 | 30.50 | 58.40 | 16.50 | 28.40 | ND |
| 3 | 10-01-2026 | 23.40 | 57.80 | 13.20 | 27.50 | ND |
| 4 | 13-01-2026 | 25.80 | 61.30 | 15.50 | 25.60 | ND |
| 5 | 16-01-2026 | 32.60 | 59.50 | 19.20 | 29.40 | ND |
| 6 | 19-01-2026 | 24.50 | 56.70 | 16.40 | 31.20 | ND |
| 7 | 22-01-2026 | 23.80 | 61.40 | 14.80 | 26.50 | ND |
| 8 | 27-01-2026 | 23.90 | 59.20 | 13.40 | 23.70 | ND |
| 9 | 30-01-2026 | 30.40 | 56.20 | 17.50 | 32.90 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark:

NAAQS: National Ambient Air Quality Standards; Schedule-VII, (Rule 3 (3B)) (Part-I-sec-3(i)) 16.11.2009. ND-Not Detected.
DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.
Sample Analyzed within Seven days from the date of sampling. CPCB-Central Pollution Control Board



TC-14814

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(RAVINDER MITTAL)

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+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

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Issued To **M/s Kamarajar Port Trust**
Vallur Post, Chennai, India

Test Report No.: 202601010110-119
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : **To Check the Pollution Load**
Sampling Location : **Main Gate**
Method of Sampling : **IS 5182 (Part 14)**
Monitoring Conducted By : **Mr. Surya**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PID Based Methane Analyser |

Remarks:

NAAQS - National Ambient Air Quality Standards, Schedule-VI, (Rule 3 (3B), (Part-I)-sec-3(i)) 16.11.2009, ND-Not Detected.
DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling. CPCB-Central Pollution Control Board



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+91-129-2241021

+91-9013591021, +91-9013552273

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ULR No.: TC14814260000002F,50F, 123F, 174F, 243F, 276F, 350F, 402F, 459F
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : **To Check the Pollution Load**
Sampling Location : **Guest House**
Method of Sampling : **IS 5182 (Part 14)**
Monitoring Conducted By : **Mr. Surya**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|--|---|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO ₂) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO ₂) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 30.50 | 30.50 | 17.30 | 18.30 | ND |
| 2 | 07-01-2026 | 26.80 | 34.80 | 18.40 | 22.50 | ND |
| 3 | 10-01-2026 | 25.90 | 45.80 | 15.20 | 24.60 | ND |
| 4 | 13-01-2026 | 27.40 | 39.60 | 16.60 | 23.00 | ND |
| 5 | 16-01-2026 | 19.80 | 41.00 | 17.30 | 25.50 | ND |
| 6 | 19-01-2026 | 18.50 | 47.50 | 19.20 | 24.80 | ND |
| 7 | 22-01-2026 | 21.60 | 28.40 | 13.50 | 26.00 | ND |
| 8 | 27-01-2026 | 29.30 | 41.90 | 14.40 | 26.30 | ND |
| 9 | 30-01-2026 | 21.40 | 43.90 | 15.70 | 31.30 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark:

NAAQS: National Ambient Air Quality Standards, Schedule-VI (Rule 3 (2)(i)) (Part-9-sec-3(i)) 19.11.2009, ND-Not Detected, DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions, Sample Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board



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+91-129-2241021

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Test Report No.: 202601010120-128
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Guest House
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PID Based Methane Analyser |

Remark:

NAAQS: National Ambient Air Quality Standards, Schedule-VI, (Rule 3 (3B)) (Part-I-sec-3)(i) 16.11.2009. ND-not Detected.
DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions.
Sample Analyzed within Seven days from the date of sampling. CPCB-Central Pollution Control Board

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☎ +91-129-2241021

☎ +91-9013591021, +91-9013552273

✉ labsnitya@gmail.com

🌐 www.nityalab.com

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ULR No.: TC14814260000003F,51F, 124F, 175F, 244F, 277F,
351F, 403F, 46DF
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : **To Check the Pollution Load**
Sampling Location : **Admin Building**
Method of Sampling : **IS 5182 (Part 14)**
Monitoring Conducted By : **Mr. Surya**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|--|---|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO ₂) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO ₂) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 30.40 | 48.50 | 18.20 | 25.40 | ND |
| 2 | 07-01-2026 | 32.60 | 52.00 | 19.40 | 29.60 | ND |
| 3 | 10-01-2026 | 29.60 | 47.60 | 17.30 | 28.50 | ND |
| 4 | 13-01-2026 | 31.50 | 50.30 | 20.50 | 21.80 | ND |
| 5 | 16-01-2026 | 28.80 | 55.40 | 14.50 | 19.50 | ND |
| 6 | 19-01-2026 | 27.20 | 58.20 | 16.40 | 31.50 | ND |
| 7 | 22-01-2026 | 24.60 | 62.00 | 15.40 | 32.60 | ND |
| 8 | 27-01-2026 | 27.80 | 45.00 | 15.40 | 31.10 | ND |
| 9 | 30-01-2026 | 33.10 | 48.60 | 18.40 | 23.10 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark:

NAAQS: National Ambient Air Quality Standards: Schedule-VI (Rule 3 (29)) (Part-II-sec-3)) 18.11.2009. ND-Not Detected.
DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.
Sample Analyzed within Seven days from the date of sampling. CPCB-Central Pollution Control Board.



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Test Report No.: 202601010129-138
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Admin Building
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration | |
|--------------------|------------------|-----------------------------------|--|
| | | Methane (%) | |
| 1 | 01-01-2026 | ND | |
| 2 | 07-01-2026 | ND | |
| 3 | 10-01-2026 | ND | |
| 4 | 13-01-2026 | ND | |
| 5 | 16-01-2026 | ND | |
| 6 | 19-01-2026 | ND | |
| 7 | 22-01-2026 | ND | |
| 8 | 27-01-2026 | ND | |
| 9 | 30-01-2026 | ND | |
| Test Method | | PID Based Methane Analyser | |

Remark:

NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (36)], [Part-II sec. -5(i)] 15.11.2009, ND-Not Detected.
DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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+91-129-2241021

+91-9013591021, +91-9013552273

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ULR No.: TC14814260000004F, 52F, 125F, 176F, 245F, 278F,
352F, 404F, 461F
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Signal Station
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|--|---|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO ₂) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO ₂) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 30.20 | 57.30 | 13.40 | 23.40 | ND |
| 2 | 07-01-2026 | 29.60 | 62.00 | 16.60 | 25.50 | ND |
| 3 | 10-01-2026 | 25.50 | 63.40 | 18.30 | 26.00 | ND |
| 4 | 13-01-2026 | 29.40 | 58.60 | 19.40 | 25.60 | ND |
| 5 | 16-01-2026 | 23.60 | 61.40 | 21.30 | 27.10 | ND |
| 6 | 19-01-2026 | 21.50 | 62.20 | 14.50 | 28.00 | ND |
| 7 | 22-01-2026 | 31.40 | 54.60 | 15.80 | 25.60 | ND |
| 8 | 27-01-2026 | 23.40 | 60.30 | 16.80 | 28.10 | ND |
| 9 | 30-01-2026 | 27.80 | 54.30 | 17.20 | 26.90 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark:

NAAQS- National Ambient Air Quality Standards, Schedule VII, (Rule 3-(3B)) (Part-3-sec-3)) 18.11.2009, ND-Not Detected.
DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board



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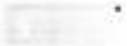
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Vallur Post, Chennai, India

Test Report No.: 202601010139-148
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Signal Station
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PID Based Methane Analyser |

Remark:

NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (3B)] [Part-II-sec.-3(i)] 16.11.2008, ND-Not Detected.
DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITAL)



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Test Report No.: 202601010149-158
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Finger Jetty
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PID Based Methane Analyser |

Remark:

NAAQSS - National Ambient Air Quality Standards, Schedule-VII, [Rule 3 (26)] [Part-II sec - 5(i)] 16.11.2009, ND-Not Detected.
DL - Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling, CPCIS-Central Pollution Control Board

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
Authorised
(RAVINDER MITTAL)

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ULR No.: TC14814260000006F,54F, 127F, 178F, 247F, 280F, 354F, 406F, 463F
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : General Cargo Berth
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|---|--|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO2) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO2) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 25.50 | 36.40 | 13.20 | 23.40 | ND |
| 2 | 07-01-2026 | 26.80 | 37.30 | 14.80 | 25.60 | ND |
| 3 | 10-01-2026 | 37.60 | 33.50 | 16.40 | 28.80 | ND |
| 4 | 13-01-2026 | 28.40 | 29.40 | 17.50 | 34.40 | ND |
| 5 | 16-01-2026 | 29.80 | 39.00 | 13.40 | 35.50 | ND |
| 6 | 19-01-2026 | 32.60 | 40.50 | 16.20 | 30.90 | ND |
| 7 | 22-01-2026 | 33.20 | 38.20 | 17.40 | 33.30 | ND |
| 8 | 27-01-2026 | 35.70 | 31.20 | 17.70 | 26.90 | ND |
| 9 | 30-01-2026 | 26.10 | 27.80 | 18.20 | 32.30 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark

NAAQS: National Ambient Air Quality Standards; Schedule-VII, (Rule 3 (26)) (Part II-sec-3(i)) 16.11.2009. ND-Not Detected, DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions. Sample Analysed within Seven days from the date of sampling. CPCB-Central Pollution Control Board



(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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Test Report No.: 202601010159-168
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : General Cargo Berth
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PiD Based Methane Analyser |

Remark:

NAAQS: National Ambient Air Quality Standards: Schedule-VII, [Rule 3 (3B)], [Part-II-sec -3(i)] 16.11.2009, ND-Not Detected
DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.
Sample Analyzed within Seven days from the date of sampling. CPCB-Central Pollution Control Board

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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ULR No.: TC14814260000007F,55F, 128F, 179F, 248F, 281F, 355F,
407F, 464F
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : **To Check the Pollution Load**
Sampling Location : **Car Parking**
Method of Sampling : **IS 5182 (Part 14)**
Monitoring Conducted By : **Mr. Surya**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|--|---|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO ₂) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO ₂) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 33.60 | 38.20 | 14.20 | 23.20 | ND |
| 2 | 07-01-2026 | 32.40 | 41.50 | 18.30 | 25.80 | ND |
| 3 | 10-01-2026 | 34.20 | 48.60 | 16.40 | 30.00 | ND |
| 4 | 13-01-2026 | 27.40 | 39.20 | 15.60 | 32.40 | ND |
| 5 | 16-01-2026 | 29.20 | 43.50 | 17.20 | 24.00 | ND |
| 6 | 19-01-2026 | 28.10 | 46.20 | 19.20 | 24.90 | ND |
| 7 | 22-01-2026 | 29.00 | 43.00 | 20.40 | 24.10 | ND |
| 8 | 27-01-2026 | 31.70 | 30.70 | 16.30 | 32.90 | ND |
| 9 | 30-01-2026 | 23.70 | 34.50 | 13.90 | 34.50 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark:

NAAQS: National Ambient Air Quality Standards: Schedule-VI, [Rule 3 (38)] [Part-II-sec -3(i)] 16.11.2009, ND-Not Detected.
DL-Detection Limit, the lowest concentration of a substance that can be accurately measured under specified experimental conditions.
Sample Analyzed within Seven days from the date of sampling, CPCB-Central Pollution Control Board



(CHECKED BY)
(SANDEEP SAINI)

TC-14814



(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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Vallur Post, Chennai, India

Test Report No.: 202601010189-178
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : Ambient Air Quality Monitoring
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Car Parking
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PID Based Methane Analyser |

Remark:

NAAQS: National Ambient Air Quality Standards, Schedule-VI, (Rule 3 (2B)), (Part-II-sec.-3(i)) 16.11.2009. ND-Not Detected.
DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling. CPCB-Central Pollution Control Board

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(RAVINDER MITTAL)



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ULR No.: TC14814260000008F,58F, 129F, 180F, 249F, 282F, 356F,
408F, 465F

Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
 Purpose of Monitoring : **To Check the Pollution Load**
 Sampling Location : **Fire Station**
 Method of Sampling : **IS 5182 (Part 14)**
 Monitoring Conducted By : **Mr. Surya**
 Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

| Sr. No. | Date of Sampling | Concentration | | | | |
|------------------------|------------------|---|--|--|---|--|
| | | Particulate Matter (PM2.5) $\mu\text{g}/\text{m}^3$ | Particulate Matter (PM10) $\mu\text{g}/\text{m}^3$ | Sulphur Dioxide (as SO ₂) $\mu\text{g}/\text{m}^3$ | Nitrogen Dioxide (as NO ₂) $\mu\text{g}/\text{m}^3$ | Carbon Monoxide (as CO) mg/m^3 |
| 1 | 01-01-2026 | 23.20 | 46.20 | 19.20 | 23.00 | ND |
| 2 | 07-01-2026 | 24.50 | 42.10 | 21.40 | 29.40 | ND |
| 3 | 10-01-2026 | 26.20 | 44.50 | 20.80 | 30.20 | ND |
| 4 | 13-01-2026 | 28.50 | 48.20 | 22.40 | 28.70 | ND |
| 5 | 16-01-2026 | 23.60 | 45.10 | 17.90 | 22.80 | ND |
| 6 | 19-01-2026 | 22.80 | 47.00 | 16.60 | 25.90 | ND |
| 7 | 22-01-2026 | 24.80 | 49.20 | 17.70 | 26.80 | ND |
| 8 | 27-01-2026 | 31.20 | 49.40 | 23.70 | 32.70 | ND |
| 9 | 30-01-2026 | 25.10 | 43.70 | 13.90 | 24.70 | ND |
| NAAQM Standards | | 60 | 100 | 80 | 80 | 2 |
| Test Method | | 40CFR Appendix L Part 53 CPCB Guidelines | IS:5182 (P-23) | IS:5182 (P-2) | IS:5182 (P-6) | IS:5182 (P-10) |

Remark:

NAAQS: National Ambient Air Quality Standards; Schedule-VI, (Rule 3 (5B)), (Part-II-sec.-3(i)) 15.11.2009; ND-Not Detected;
 DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions
 Sample Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board



TC-14814

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(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDEE MITTAL)

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Test Report No.: 202601010179-188
Test Report Date: 07/02/2026

Sample Particulars

Nature of the Sample : **Ambient Air Quality Monitoring**
Purpose of Monitoring : To Check the Pollution Load
Sampling Location : Fire Station
Method of Sampling : IS 5182 (Part 14)
Monitoring Conducted By : Mr. Surya
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

| Sr. No. | Date of Sampling | Concentration |
|--------------------|------------------|-----------------------------------|
| | | Methane (%) |
| 1 | 01-01-2026 | ND |
| 2 | 07-01-2026 | ND |
| 3 | 10-01-2026 | ND |
| 4 | 13-01-2026 | ND |
| 5 | 16-01-2026 | ND |
| 6 | 19-01-2026 | ND |
| 7 | 22-01-2026 | ND |
| 8 | 27-01-2026 | ND |
| 9 | 30-01-2026 | ND |
| Test Method | | PID-Based Methane Analyser |

Remark:

NAAQS: National Ambient Air Quality Standards, Schedule-VII, [Rule 3(38)], [Part-II-sec. 3(i)] 16.11.2009. ND-Not Detected.
DL-Detection Limit, the lowest concentration, of a substance that can be accurately measured under specified experimental conditions.
Sample Analysed within Seven days from the date of sampling. CPCB-Central Pollution Control Board

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+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

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Test Reports of Wastewater (STP)

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(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
Authorised
(RAVINDER MITTAL)

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Issued To **M/s Kamarajar Port Trust**
Vallur Post, Chennai, India

ULR No.: TC14814260000181F-182F
Test Report Date: 22/01/2026

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 16/01/2026
Test Started On : 16/01/2026
Test Completed On : 21/01/2026
Method of Sampling : SOP/B/D-3
Date of Sampling : 13/01/2026
Monitoring Conducted By : Mr. Surya
Sample Description : W-1: STP Oil of Admin Building
W-2: STP Oil of Car Parking

Analysis Report

| Sr. No. | Parameter | Unit | Result | | Permissible Limits | Protocol |
|---------|---|------|--------|------|--------------------|----------------|
| | | | W-1 | W-2 | | |
| 1 | pH | ... | 6.84 | 7.01 | 5.5 to 9.0 | IS:3025 (P-11) |
| 2 | Total Suspended Solids (TSS) | mg/l | 48 | 34 | 50 | IS:3025 (P-17) |
| 3 | Chemical Oxygen Demand (COD) | mg/l | 34 | 30 | 150 | IS:3025 (P-58) |
| 4 | Bio-Chemical Oxygen Demand (5 days at 20°C) (BOD) | mg/l | 6 | 5 | 30 | IS:3025 (P-44) |



(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDEER MITTAL)

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CORPORATE OFFICE & CENTRAL LABORATORIES :-

PLOT NO. 118, CHURCH ROAD, BEHIND KAUSIK VATIKA, BHAGAT SINGH COLONY, BALLABHGARH, FARIDABAD - 121004, HARYANA, INDIA

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

www.nityalab.com

Issued To **M/s Kamarajar Port Trust**
Vallur Post, Chennai, India

Test Report No.: 202601130110-111
Test Report Date: 22/01/2026

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 16/01/2026
Test Started On : 16/01/2026
Test Completed On : 21/01/2026
Method of Sampling : SOP/B/D-3
Date of Sampling : 13/01/2026
Monitoring Conducted By : Mr. Surya
Sample Description : W-1: STP O/L of Admin Building
W-2: STP O/L of Car Parking

Analysis Report

| Sr. No. | Parameter | Unit | Result | | Permissible Limits | Protocol |
|---------|------------------|------------|--------|-----|--------------------|----------|
| | | | W-1 | W-2 | | |
| 1 | Faecal Coliform* | MPN/100 ml | 280 | 350 | <1000 | IS:1622 |

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(DHANU PRIYA*)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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CORPORATE OFFICE & CENTRAL LABORATORIES :-

Plot No. 118, Church Road, Behind Kausik Vatika, Bhagat Singh Colony, Ballabgarh, Faridabad - 121004, Haryana, India

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

www.nityalab.com