



Kamarajar Port Limited

Vallur Post, Chennai-600 120, Tamil Nadu, India

Reports on Environmental Monitoring of Kamarajar Port Limited



Study Period: March 2025

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

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+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

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 proactive 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 must 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 2025 is presented in this report.

2.0 Scope and Methodology:

The scope of work 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.



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AMBIENT AIR QUALITY MONITORING:

Ambient air quality was monitored at different locations inside the port. The study area covers the periphery of Port and different parts of the port. A Total of 8 Ambient Air Quality Monitoring Stations covering both upwind and downwind were monitored during March 2025.

Table: Detail of Ambient Air Quality Monitoring Locations

Sr. No	Stations Code	Sampling Locations
1	AAQM-1	Security Main Gate
2	AAQM-2	Inside Port Administrative Building
3	AAQM-3	Signal Station
4	AAQM-4	Finger Jetty
5	AAQM-5	At 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 with a frequency of two samples per week, i.e., at 8 Locations. A Total of 32 Samples each of PM₁₀ & PM_{2.5}, Samples of SO₂, NO₂, Methane and CO each were monitored by using Respirable dust sampler, Fine Particulate Sampler, Methane & CO Analyzer.



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+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

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Test Reports of Ambient Air Quality Monitoring

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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Issued To **M/s Kamarajar Port Trust**

Vallur Post, Chennai, India

ULR No.:

TC148142500001300F, 1335F, 1414F, 1492F, 1543F,
1596F, 1767F, 1862F, 1992F

Test Report Date:

07/04/2025

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	03/03/2025	21.40	54.60	12.30	21.50	ND
2	06/03/2025	25.20	51.30	11.80	20.60	ND
3	10/03/2025	16.60	50.30	12.50	27.70	ND
4	13/03/2025	17.10	55.40	11.90	18.50	ND
5	17/03/2025	26.10	49.20	14.10	28.20	ND
6	20/03/2025	17.50	53.60	12.20	20.20	ND
7	24/03/2025	16.20	54.20	13.90	22.60	ND
8	27/03/2025	18.40	49.20	14.50	19.60	ND
9	31/03/2025	19.20	50.60	13.20	23.60	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-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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(SANDEEP SAINI)



TC-14814

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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

Test Report No.: 202503030110-118
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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Vallur Post, Chennai, India

ULR No.:

TC148142500001301F, 1336F, 1415F, 1493F, 1544F,
1597F, 1768F, 1863F, 1993F

Test Report Date:

07/04/2025

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	03/03/2025	21.80	26.50	11.20	15.50	ND
2	06/03/2025	20.50	31.40	12.60	23.50	ND
3	10/03/2025	23.50	42.20	13.40	26.20	ND
4	13/03/2025	23.90	35.20	10.80	21.50	ND
5	17/03/2025	17.50	37.40	11.40	25.90	ND
6	20/03/2025	17.10	43.20	13.90	22.30	ND
7	24/03/2025	20.10	22.90	11.70	26.50	ND
8	27/03/2025	19.70	28.80	13.20	20.90	ND
9	31/03/2025	18.80	29.40	12.90	21.80	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-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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Issued To **M/s Kamarajar Port Trust**
Vallur Post, Chennai, India

Test Report No.: 202503030119-127
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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ULR No.:

TC148142500001302F, 1337F, 1416F, 1494F, 1545F,
1598F, 1769F, 1864F, 1994F

Test Report Date:

07/04/2025

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	03/03/2025	28.20	47.20	13.20	22.20	ND
2	06/03/2025	30.30	51.40	14.50	26.20	ND
3	10/03/2025	34.30	40.20	11.20	25.50	ND
4	13/03/2025	29.10	44.20	15.50	17.20	ND
5	17/03/2025	27.40	49.20	12.30	15.40	ND
6	20/03/2025	26.50	50.90	13.90	27.10	ND
7	24/03/2025	23.10	53.20	11.80	28.40	ND
8	27/03/2025	27.80	52.20	14.10	25.70	ND
9	31/03/2025	28.60	45.80	12.80	23.80	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-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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+91-9013591021, +91-9013552273

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Test Report No.: 202503030128-136
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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ULR No.:

TC148142500001303F, 1338F, 1417F, 1495F, 1546F,
1599F, 1770F, 1865F, 1995F

Test Report Da:

07/04/2025

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	03/03/2025	25.20	43.20	13.80	22.60	ND
2	06/03/2025	21.40	50.50	12.30	18.80	ND
3	10/03/2025	22.20	47.20	14.20	21.30	ND
4	13/03/2025	19.70	46.20	13.20	18.20	ND
5	17/03/2025	18.80	51.20	16.50	19.40	ND
6	20/03/2025	19.20	53.40	12.80	25.20	ND
7	24/03/2025	22.30	43.20	14.00	24.80	ND
8	27/03/2025	23.50	43.90	14.60	20.40	ND
9	31/03/2025	24.30	48.50	15.40	23.40	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)

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

Test Report No.: 202503030137-145
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 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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Vallur Post, Chennai, India

ULR No.:

TC148142500001304F, 1339F, 1418F, 1496F, 1547F, 1600F
1771F, 1866F, 1996F

Test Report Date:

07/04/2025

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				
		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	03/03/2025	27.40	29.20	19.30	25.80	ND
2	06/03/2025	30.30	35.40	21.40	22.30	ND
3	10/03/2025	17.10	33.30	25.60	25.20	ND
4	13/03/2025	16.20	41.50	18.20	20.40	ND
5	17/03/2025	21.40	43.40	28.40	29.20	ND
6	20/03/2025	29.10	44.20	23.50	24.90	ND
7	24/03/2025	26.00	40.30	20.90	26.20	ND
8	27/03/2025	27.80	34.20	22.30	25.40	ND
9	31/03/2025	22.20	32.60	20.20	23.60	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-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)



TC-14814

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

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Test Report No.: 202503030146-154
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	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 Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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Vallur Post, Chennai, India

ULR No.:

TC148142500001305F, 1340F, 1419F, 1497F, 1548F, 1601F
1772F, 1867F, 1997F

Test Report Date:

07/04/2025

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 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	03/03/2025	21.10	34.20	16.20	18.40	ND
2	06/03/2025	21.40	27.40	15.40	17.70	ND
3	10/03/2025	28.20	28.50	14.50	21.80	ND
4	13/03/2025	22.60	20.50	15.80	29.60	ND
5	17/03/2025	23.10	29.20	14.20	25.50	ND
6	20/03/2025	25.20	25.80	13.60	24.30	ND
7	24/03/2025	23.50	22.90	13.20	27.20	ND
8	27/03/2025	23.90	29.90	17.30	19.50	ND
9	31/03/2025	24.40	28.80	16.60	20.60	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-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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(SANDEEP SAINI)



TC-14814

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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

Test Report No.: 202503030155-163
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 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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ULR No.:

TC148142500001306F, 1341F, 1420F, 1498F, 1549F, 1602F
1773F, 1868F, 1998F

Test Report Date:

07/04/2025

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	03/03/2025	26.10	27.90	15.10	21.50	ND
2	06/03/2025	25.30	26.40	17.40	18.80	ND
3	10/03/2025	24.20	25.20	19.20	23.20	ND
4	13/03/2025	20.20	24.80	15.80	26.70	ND
5	17/03/2025	19.70	30.20	15.20	16.60	ND
6	20/03/2025	22.80	27.20	20.10	17.80	ND
7	24/03/2025	21.60	29.80	19.30	18.70	ND
8	27/03/2025	22.70	27.40	16.30	19.40	ND
9	31/03/2025	23.50	26.80	18.50	20.80	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-II-sec.-3(ii)] 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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(SANDEEP SAINI)



TC-14814

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Vallur Post, Chennai, India

Test Report No.: 202503030164-172
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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ULR No.:

TC148142500001307F, 1342F, 1421F, 1499F, 1550F, 1603F
1774F, 1869F, 1999F

Test Report Date:

07/04/2025

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.	03/03/2025	24.40	26.40	20.20	22.60	ND
2.	06/03/2025	24.10	29.60	19.50	29.40	ND
3.	10/03/2025	26.60	31.50	20.80	30.20	ND
4.	13/03/2025	29.50	41.50	21.40	27.40	ND
5.	17/03/2025	22.70	39.60	17.70	21.30	ND
6.	20/03/2025	21.90	35.60	15.90	19.30	ND
7.	24/03/2025	24.50	42.20	16.20	20.80	ND
8.	27/03/2025	27.40	39.30	18.40	24.70	ND
9.	31/03/2025	25.20	32.60	20.60	23.80	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-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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(SANDEEP SAINI)



TC-14814

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

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Vallur Post, Chennai, India

Test Report No.: 202503030173-181
Test Report Date: 07/04/2025

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	03/03/2025	ND
2	06/03/2025	ND
3	10/03/2025	ND
4	13/03/2025	ND
5	17/03/2025	ND
6	20/03/2025	ND
7	24/03/2025	ND
8	27/03/2025	ND
9	31/03/2025	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 Analysed within Seven days from the date of sampling, CPCB-Central Pollution Control Board

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(SANDEEP SAINI)

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(RAVINDER MITTAL)

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+91-9013591021, +91-9013552273

labsnitya@gmail.com

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Test Reports of Wastewater (STP)

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(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

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CORPORATE OFFICE & CENTRAL LABORATORIES :-

43, Sector-A1 Ext., Bhalla Enclave, Channi Himmat, Jammu-180 015, J&K (UT), India

+91-129-2241021

+91-9013591021, +91-9013552273

labsnitya@gmail.com

www.nityalab.com

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

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

ULR No.: TC148142500001508F-1509F
Test Report Date: 27/03/2025

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 20/03/2025
Test Started On : 20/03/2025
Test Completed On : 26/03/2025
Method of Sampling : SOP/B/D-3
Date of Sampling : 17/03/2025
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	pH	...	7.42	7.35	5.5 to 9.0	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/l	92	180	50	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/l	60	50	150	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (5 days at 20°C) (BOD)	mg/l	12	9	30	IS:3025 (P-44)

.....End of Report.....



TC-14814

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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CORPORATE OFFICE & CENTRAL LABORATORIES :-

9 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

BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

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

Test Report No.: 202503170110-111
Test Report Date: 27/03/2025

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 20/03/2025
Test Started On : 20/03/2025
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Date of Sampling : 17/03/2025
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	542	754	<1000	IS:1622

.....End of Report.....

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RHYTHM BASSON*)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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