



Kamarajar Port Limited

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

Reports on Environmental Monitoring of Kamarajar Port Limited



Study Period: January 2025

Prepared By



NITYA LABORATORIES

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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 days 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 January 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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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.: TC148142500000055F,383F, 439F, 488F
Test Report Date: 10/02/2025

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	04/01/2025	23.5	57.6	14.3	24.5	ND
2	06/01/2025	27.0	54.3	13.8	23.6	ND
3	09/01/2025	18.8	53.2	14.5	30.7	ND
4	16/01/2025	19.2	58.4	13.9	21.5	ND
5	20/01/2025	28.2	52.2	16.1	31.2	ND
6	23/01/2025	19.6	56.6	14.15	31.3	ND
7	27/01/2025	18.4	57.2	15.9	23.2	ND
8	30/01/2025	20.5	52.5	16.5	25.6	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



TC-14814

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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

Test Report No.: 202501040110-117
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	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.: TC148142500000056F,384F, 440F, 489F
Test Report Date: 10/02/2025

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	04/01/2025	24.0	29.5	13.2	18.5	ND
2	06/01/2025	22.6	34.4	14.6	26.5	ND
3	09/01/2025	25.6	45.2	15.4	29.2	ND
4	16/01/2025	25.9	38.2	12.8	24.5	ND
5	20/01/2025	19.7	40.4	13.4	28.9	ND
6	23/01/2025	19.2	46.2	15.9	25.3	ND
7	27/01/2025	21.9	25.9	13.7	28.2	ND
8	30/01/2025	22.2	31.8	15.2	23.9	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



TC-14814

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

Test Report No.: 202501040118-125
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	ND
Test Method		PID Based Methane Analyser

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)

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ULR No.: TC148142500000057F,385F, 441F, 490F
Test Report Date: 10/02/2025

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	04/01/2025	30.3	50.2	15.2	25.2	ND
2	06/01/2025	32.4	54.4	16.5	29.2	ND
3	09/01/2025	26.1	43.2	13.1	28.5	ND
4	16/01/2025	31.2	47.2	17.5	20.2	ND
5	20/01/2025	29.5	51.4	14.3	18.4	ND
6	23/01/2025	28.6	53.9	15.9	30.1	ND
7	27/01/2025	25.2	56.2	13.8	31.4	ND
8	30/01/2025	29.05	55.2	16.1	28.7	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)

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(RAVINDER MITTAL)

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Vallur Post, Chennai, India

Test Report No.: 202501040126-133
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	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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Issued To **M/s Kamarajar Port Trust**
Vallur Post, Chennai, India

ULR No.: TC14814250000058F,386F, 442F, 491F
Test Report Da 10/02/2025

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	04/01/2025	27.0	46.2	15.8	25.6	ND
2	06/01/2025	23.5	53.5	14.3	21.8	ND
3	09/01/2025	23.1	50.0	16.1	24.3	ND
4	16/01/2025	21.7	49.2	15.9	21.2	ND
5	20/01/2025	20.9	54.2	18.5	22.4	ND
6	23/01/2025	21.4	56.2	14.8	28.0	ND
7	27/01/2025	24.3	46.4	16.0	27.8	ND
8	30/01/2025	25.6	46.7	16.6	23.4	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.: 202501040134-141
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	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)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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Vallur Post, Chennai, India

ULR No.: TC14814250000059F, 387F, 443F, 492F
Test Report Date: 10/02/2025

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	04/01/2025	29.05	32.2	21.3	28.8	ND
2	06/01/2025	32.10	38.4	23.4	25.3	ND
3	09/01/2025	19.2	36.3	27.6	28.2	ND
4	16/01/2025	18.4	44.5	20.2	23.4	ND
5	20/01/2025	23.5	46.4	30.4	32.10	ND
6	23/01/2025	31.2	47.2	25.5	27.9	ND
7	27/01/2025	28.2	43.3	22.9	29.2	ND
8	30/01/2025	29.9	37.2	24.2	28.4	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



TC-14814

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(RAVINDER MITTAL)

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Vallur Post, Chennai, India

Test Report No.: 202501040142-149
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	ND
Test Method		PID Based Methane Analyser

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)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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ULR No.: TC14814250000060F, 388F, 444F, 493F
Test Report Date: 10/02/2025

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	04/01/2025	23.1	37.2	18.2	21.4	ND
2	06/01/2025	23.5	30.4	17.4	20.7	ND
3	09/01/2025	30.3	31.5	16.5	24.8	ND
4	16/01/2025	24.7	23.5	17.6	32.6	ND
5	20/01/2025	25.2	32.2	16.2	28.5	ND
6	23/01/2025	27.4	28.8	15.6	27.3	ND
7	27/01/2025	25.6	25.9	15.2	30.2	ND
8	30/01/2025	26.1	32.9	19.3	22.5	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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Test Report No.: 202501040150-157
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	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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ULR No.: TC148142500000061F, 389F, 445F, 494F
Test Report Date: 10/02/2025

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	04/01/2025	28.2	30.9	18.1	24.5	ND
2	06/01/2025	27.3	29.4	19.4	21.8	ND
3	09/01/2025	26.0	28.2	21.2	26.1	ND
4	16/01/2025	22.2	27.8	17.8	29.7	ND
5	20/01/2025	21.8	33.2	17.2	19.6	ND
6	23/01/2025	24.8	30.2	23.1	20.8	ND
7	27/01/2025	23.0	32.8	22.3	21.7	ND
8	30/01/2025	24.7	30.4	19.3	22.4	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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Vallur Post, Chennai, India

Test Report No.: 202501040158-165
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	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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(RAVINDER MITTAL)

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ULR No.: TC148142500000062F,390F, 446F, 495F
Test Report Date: 10/02/2025

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.	04/01/2025	26.4	29.4	22.3	25.6	ND
2.	06/01/2025	26	32.6	21.5	32.4	ND
3.	09/01/2025	28.6	34.5	22.8	33.2	ND
4.	16/01/2025	31.5	44.5	23.4	30.4	ND
5.	20/01/2025	24.7	42.6	19.7	24.3	ND
6.	23/01/2025	23.9	38.5	17.9	22.7	ND
7.	27/01/2025	26.5	45.2	18.2	23.8	ND
8.	30/01/2025	29.4	42.3	20.4	27.4	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



TC-14814

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Test Report No.: 202501040166-173
Test Report Date: 10/02/2025

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	04/01/2025	ND
2	06/01/2025	ND
3	09/01/2025	ND
4	16/01/2025	ND
5	20/01/2025	ND
6	23/01/2025	ND
7	27/01/2025	ND
8	30/01/2025	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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Test Reports of Wastewater (STP)

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(RAVINDER MITTAL)

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

ULR No.: TC148142500000342F-343F
Test Report Date: 31/01/2025

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 24/01/2025
Test Started On : 24/01/2025
Test Completed On : 30/01/2025
Method of Sampling : SOP/B/D-3
Date of Sampling : 21/01/2025
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	...	7.56	7.24	5.5 to 9.0	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/l	104	220	50	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/l	50	40	150	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (5 days at 20°C) (BOD)	mg/l	10	8	30	IS:3025 (P-44)



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(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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

Test Report No.: 202501210110-111
Test Report Date: 31/01/2025

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 24/01/2025
Test Started On : 24/01/2025
Test Completed On : 30/01/2025
Method of Sampling : SOP/B/D-3
Date of Sampling : 21/01/2025
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	426	788	<1000	IS:1622

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)
(RHYTHM BASSON*)

(AUTHORISED SIGNATORY)
(RAVINDER MITTAL)

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