

Kamarajar Port Limited

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

Reports on Environmental Monitoring of Kamarajar Port Limited





Study Period: July 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 July 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 July 2025.

Table: Detail of Ambient Air Quality Monitoring Locations

Stations Code	Sampling Locations	
AAQM-1	Security Main Gate	
AAQM-2	Inside Port Administrative Building	_
AAQM-3	Signal Station	
AAQM-4	Finger Jetty	
AAQM-5	At Car Parking Yard	
AAQM-6	At General Cargo Berth	
AAQM-7	At Fire Station	
AAQM-8	Guest House	
	AAQM-1 AAQM-2 AAQM-3 AAQM-4 AAQM-5 AAQM-6 AAQM-7	AAQM-1 Security Main Gate AAQM-2 Inside Port Administrative Building AAQM-3 Signal Station AAQM-4 Finger Jetty AAQM-5 At Car Parking Yard AAQM-6 At General Cargo Berth AAQM-7 At Fire Station

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 Analyzer.





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1

Test Reports of Ambient Air Quality Monitoring

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)

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ULR No :

TC148142500004151F,4179F, 4250F, 4366F, 4459F

4640F, 4873F, 4924F 08/08/2025

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

Test Report Date:

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Main Gate

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ampling Concentration				
	*	Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) μg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3
1	03/07/2025	21.10	55.20	12.30	23.10	ND
2	07/07/2025	24.20	52.40	11.20	21.10	ND
3	10/07/2025	16.80	51.20	12.80	27.40	ND
4	14/07/2025	18.50	56.30	10.80	19.20	ND
5	17/07/2025	26.90	51.20	13.20	28.80	ND
6	21/07/2025	17.80	54.20	11.20	29.30	ND
7	25/07/2025	16.30	56.90	13.40	20.50	ND
8	28/07/2025	21.80	50.20	12.80	27.50	ND
NAAQM Sta	indards	60	100	80	80	2
Test Method	d	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

(SANDEEP SAINI)



(RAVINDER MITTAL

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M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507030110-117

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

: Ambient Air Quality Monitoring

To Check the Pollution Load

Main Gate

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
	8	Methane (%)
1	03/07/2025	ND
2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
7	25/07/2025	ND
8	28/07/2025	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 ULR No.:

TC148142500004152F,4180F, 4251F, 4367F, 4460F

4641F, 4874F, 4925F

Vallur Post, Chennai, India

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Ambient Air Quality Monitoring To Check the Pollution Load

Purpose of Monitoring

Sampling Location Method of Sampling **Guest House**

Monitoring Conducted By

IS 5182 (Part 14) Mr. Surya

Sampling Duration (Hrs.)

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling			oncentration		
		Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3
1	03/07/2025	22.30	27.80	11.20	16.20	ND
2	07/07/2025	20.90	32.10	12.40	24.10	ND
3	10/07/2025	23.50	43.40	13.40	27.30	ND
4	14/07/2025	23.10	36.90	10.50	22.30	ND
5	17/07/2025	17.30	38.20	12.80	27.10	ND
6	21/07/2025	16.90	45.20	13.40	23.40	ND
7	25/07/2025	19.40	23.90	11.20	26.90	ND
8	28/07/2025	23.90	37.80	14.50	29.50	ND
NAAQM Sta	ndards	60	100	80	80	2
Test Method	1	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-10)

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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M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507030118-125

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Guest House

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
		Methane (%)
1	03/07/2025	ND
2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
7	25/07/2025	ND
8	28/07/2025	ND
est 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 .:

TC148142500004153F,4181F, 4252F, 4368F, 4461F,

4642F, 4875F, 4926F

Vallur Post, Chennai, India

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By Sampling Duration (Hrs.) : Ambient Air Quality Monitoring

To Check the Pollution Load

Admin Building

IS 5182 (Part 14)

Mr. Surya 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	4	C	Concentration		
		Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) μg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3
1	03/07/2025	29.20	48.30	13.50	23.40	ND
2	07/07/2025	30.10	53.20	14.60	27.20	ND
3	10/07/2025	23.00	41.50	10.90	26.90	ND
4	14/07/2025	29.40	45.20	15.20	18.30	ND
5	17/07/2025	28.50	49.20	12.40	16.20	ND
6	21/07/2025	27.20	52.00	13.40	28.40	ND
7	25/07/2025	21.90	56.30	11.00	29.30	ND
8	28/07/2025	30.80	39.90	11.40	31.00	ND
NAAQM Sta	indards	60	100	80	80	2
Test Method	d	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 .:

202507030126-133

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Admin Building

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
		Methane (%)
1	03/07/2025	ND
. 2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
7	25/07/2025	ND
8	28/07/2025	ND
est 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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Implication
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ULR No .:

TC148142500004154F.4182F. 4253F. 4369F. 4462F.

4643F, 4876F, 4927F

Vallur Post, Chennai, India

Test Report Da

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Signal Station

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration					
		Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) μg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3	
1	03/07/2025	25.20	44.50	12.90	22.80	ND	
2	07/07/2025	22.40	51.20	11.20	17.30	ND	
3	10/07/2025	21.50	49.20	13.40	21.50	ND	
4	14/07/2025	20.40	47.10	12.90	17.20	ND	
5	17/07/2025	17.30	53.40	15.20	16.20	ND	
6	21/07/2025	13.40	54.50	11.20	25.40	ND	
7	25/07/2025	22.50	43.20	13.50	27.20	ND	
8	28/07/2025	16.40	47.90	17.20	21.30	ND	
NAAQM Sta	ndards	60	100	80	80	2	
Test Method	ı	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-10)	

Remark

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Issued To

M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507030134-141

08/08/2025

Test Report Date:

9

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By Sampling Duration (Hrs.)

: A

Ambient Air Quality Monitoring

To Check the Pollution Load

Signal Station

IS 5182 (Part 14)

Mr. Surya

: 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
		Methane (%)
1	03/07/2025	ND
2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
7	25/07/2025	ND
8	28/07/2025	ND
est Method		PID Based Methane Analyser

Remark:

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(SANDEEP SAINI)

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ULR No.:

TC148142500004155F,4183F, 4254F, 4370F, 4463F, 4644F,

4877F, 4928F

Vallur Post, Chennai, India

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Finger Jetty

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration					
	4	Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) μg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3	
1	03/07/2025	26.20	25.40	19.00	25.80	ND	
2	07/07/2025	29.50	35.80	21.10	15.90	ND	
3	10/07/2025	16.20	33.40	25.20	18.20	ND	
4	14/07/2025	15.20	44.20	18.50	15.10	ND	
5	17/07/2025	20.20	46.20	28.20	25.40	ND	
6	21/07/2025	29.20	44.80	23.10	23.80	ND	
7	25/07/2025	25.40	41.80	21.10	28.40	ND	
8	28/07/2025	23.50	33.90	18.20	28.20	ND	
NAAQM Sta	ndards	60	100	80	80	2	
Test Method	d	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



(AUTHORISED SIGNATORY) RAYINDER MITTAL

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11

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

Issued To

M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507030142-149

Test Report Date:

Date: 08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Finger Jetty

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
		Methane (%)
1	03/07/2025	ND
2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
7	25/07/2025	ND
8	28/07/2025	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 .:

TC148142500004156F,4184F, 4255F, 4371F, 4464F, 4645F, 4878F, 4929F

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

Test Report Date:

08/08/2025

Sample Particulars

Issued To

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

General Cargo Berth

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration						
		Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3		
1	03/07/2025	19.10	35.20	16.20	18.20	ND		
2	07/07/2025	21.10	27.20	14.80	17.40	ND		
3	10/07/2025	28.20	28.40	14.20	21.40	ND		
4	14/07/2025	22.10	21.10	14.10	29.40	ND		
5	17/07/2025	23.10	28.30	13.90	25.20	ND		
6	21/07/2025	25.40	25.20	13.20	24.10	ND		
7	25/07/2025	23.40	21.90	13.10	28.20	ND		
8	28/07/2025	16.20	25.40	15.20	19.20	ND		
NAAQM Sta	ndards	60	100	80	80	2		
Test Method	i	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-10)		

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

Issued To

M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507030150-157

Test Report Date: 08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

General Cargo Berth

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration				
	,	Methane (%)				
1	03/07/2025	ND				
2	07/07/2025	ND				
3	10/07/2025	ND				
4	14/07/2025	ND				
5	17/07/2025	ND				
6	21/07/2025	ND				
7	25/07/2025	ND				
8	28/07/2025	ND				
est Method	st Method PID Based Methane An					

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)

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14

Issued To

M/s Kamarajar Port Trust

Vallur Post, Chennai, India

ULR No.:

TC148142500004157F,4185F, 4256F, 4372F, 4465F, 4646F,

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

Test Report Date:

4879F, 4930F 08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By Sampling Duration (Hrs.) Ambient Air Quality Monitoring

To Check the Pollution Load

Car Parking

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration						
		Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) μg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3		
1	03/07/2025	26.10	28.30	16.20	22.40	ND		
2	07/07/2025	25.40	17.30	17.40	19.10	ND		
3	10/07/2025	23.30	26.20	19.50	24.70	ND		
4	14/07/2025	20.50	24.40	15.90	28.20	ND		
5	17/07/2025	19.50	30.90	15.20	15.10	ND		
6	21/07/2025	21.90	26.30	21.40	16.20	ND		
7	25/07/2025	20.80	31.90	20.40	18.20	ND		
8	28/07/2025	20.40	25.20	22.50	22.50	ND		
NAAQM Standards		60	100	80	80	2		
Test Method	d	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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BUILDING & ROAD, MATERIAL, SOIL, ENVIRONMENTAL & CALIBRATION TESTING LAB

Issued To

M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507030158-165

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Car Parking

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
		Methane (%)
1	03/07/2025	ND
2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
7	25/07/2025	ND
8	28/07/2025	ND
est 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 .:

TC148142500004158F,4186F, 4257F, 4373F, 4466F, 4647F,

4880F, 4931F

Vallur Post, Chennai, India

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Ambient Air Quality Monitoring To Check the Pollution Load

Purpose of Monitoring

Fire Station

Sampling Location Method of Sampling

Monitoring Conducted By

IS 5182 (Part 14)

Sampling Duration (Hrs.)

Mr. Surva 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration						
		Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) μg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) ug/m3	Carbon Monoxide (as CO) mg/m3		
1.	03/07/2025	23.90	25.60	19.10	23.90	ND		
2.	07/07/2025	22.50	29.40	18.20	30.20	ND		
3.	10/07/2025	25.40	31.40	19.40	32.20	ND		
4.	14/07/2025	28.10	45.10	20.10	28.80	ND		
5.	17/07/2025	21.90	40.00	14.80	22.40	ND		
6.	21/07/2025	20.10	35.10	13.90	20.10	ND		
7.	25/07/2025	23.40	43.20	14.90	21.40	ND		
8.	28/07/2025	20.90	41.20	13.20	22.30	ND		
NAAQM Standards		60	100	80	80	2		
Test Method	d	40CFR Appendix L Part 53 CPCB Guidelines	IS:5182 (P-23)	IS:5182 (P-2)	IS:5182 (P-6)	IS:5182 (P-10)		

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.:

202507030166-173

Test Report Date:

08/08/2025

Sample Particulars

Nature of the Sample

Purpose of Monitoring

Sampling Location

Method of Sampling

Monitoring Conducted By

Sampling Duration (Hrs.)

Ambient Air Quality Monitoring

To Check the Pollution Load

Fire Station

IS 5182 (Part 14)

Mr. Surya

24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Concentration
	1	Methane (%)
1	03/07/2025	ND
2	07/07/2025	ND
3	10/07/2025	ND
4	14/07/2025	ND
5	17/07/2025	ND
6	21/07/2025	ND
. 7	25/07/2025	ND
8	28/07/2025	ND
est Method		PID Based Methane Analyser

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) NDEEP SAINI) (AUTHORISED SIGNATORY) INDER MITTAL

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18

Test Reports of Wastewater (STP)



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Issued To M/s Kamarajar Port Trust

Vallur Post, Chennai, India

ULR No.:

TC148142500004490F-4491F

Test Report Date:

28/07/2025

Sample Particulars

Nature of the Sample

Wastewater (STP)

Sample Quantity & Packaging

1.0 Liter, Pet Bottle (Each)

Sample Received at Lab

21/07/2025

Test Started On

21/07/2025

Test Completed On

26/07/2025

Method of Sampling

SOP/B/D-3

Date of Sampling

17/07/2025

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	Protocol
			W-1	W-2	Limits	
1	pH	***	7.50	7.20	5.5 to 9.0	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/l	130	310	50	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/l	30	20	150	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (5 days at 20°C) (BOD)	mg/l	10	5	30	IS:3025 (P-44)





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Issued To M/s Kamarajar Port Trust

Vallur Post, Chennai, India

Test Report No.:

202507170110-111

Test Report Date:

28/07/2025

Sample Particulars

Nature of the Sample

Wastewater (STP)

Sample Quantity & Packaging

1.0 Liter, Pet Bottle (Each)

Sample Received at Lab

21/07/2025

Test Started On

21/07/2025

Test Completed On

26/07/2025

Method of Sampling

SOP/B/D-3

Date of Sampling

17/07/2025

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	Protocol
			W-1	W-2	Limits	
1	Faecal Coliform*	MPN/100 ml	426	542	<1000	IS:1622

(CHECKED BY) NDEEP SAINI)

(AUTHOR SED SIGNATORY)

(RHYTHM BASSON*)

RAVINDER MITTAL

CORPORATE OFFICE & CENTRAL LABORATORIES:-