

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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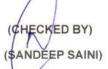


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Test Reports of Ambient Air Quality Monitoring





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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

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		C	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	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 Sta	andards	60	100	80	80	2
Test Metho	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(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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Test Report No .:

202501040110-117

Test Report Date:

10/02/2025

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
		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
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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IIIR No :

TC148142500000056F.384F, 440F, 489F

Test Report Date: 10/02/2025

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					
		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	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 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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Test Report No.:

202501040118-125

10/02/2025 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

Guest House

IS 5182 (Part 14)

Mr. Surya

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
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:

TC148142500000057F.385F, 441F, 490F

Test Report Date: 10/02/2025

Sample Particulars

Sampling Location Method of Sampling

Issued To

Nature of the Sample Purpose of Monitoring

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		C	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	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 St	andards	60	100	80	80	2
Test Metho	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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Test Report No .:

202501040126-133

Test Report Date:

10/02/2025

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	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:

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ULR No .:

TC148142500000058F,386F, 442F, 491F

Test Report Da

10/02/2025

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		C	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	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 Sta	ndards	60	100	80	80	2
Test Metho	d	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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Vallur Post, Chennai, India

Test Report No.:

202501040134-141

Test Report Date: 10

10/02/2025

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
		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
est Method		PID Based Methane Analyser

Remark:

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Vallur Post, Chennai, India

III R No

TC148142500000059F,387F, 443F, 492F

Test Report Date:

10/02/2025

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		C	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	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 Sta	indards	60	100	80	80	2
Test Metho	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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Test Report No.:

202501040142-149

Test Report Date:

10/02/2025

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	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
est 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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Vallur Post, Chennai, India

ULR No .:

TC148142500000060F,388F, 444F, 493F

Test Report Date: 10/02/2025

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						
		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	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 Metho	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 .:

202501040150-157

Test Report Date:

10/02/2025

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	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			
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

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Vallur Post, Chennai, India

ULR No .:

TC148142500000061F,389F, 445F, 494F

Test Report Date:

10/02/2025

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	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 Metho	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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Vallur Post, Chennai, India

Test Report No.:

202501040158-165

Test Report Date:

10/02/2025

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	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				
est 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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Vallur Post, Chennai, India

ULR No .:

TC148142500000062F,390F, 446F, 495F

Test Report Date:

10/02/2025

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						
		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.	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 Metho	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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Test Report No.:

202501040166-173

Test Report Date:

10/02/2025

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			
		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			
st 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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18

Test Reports of Wastewater (STP)

(CHECKED BY)
(SANDEEP SAINI)

(AUTHORISED SIGNATORY)

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Vallur Post, Chennai, India

ULR No .:

TC148142500000342F-343F

Test Report Date:

31/01/2025

Sample Particulars

Nature of the Sample

Sample Quantity & Packaging

Sample Received at Lab

Test Started On

Test Completed On

Method of Sampling

Date of Sampling

Monitoring Conducted By

Sample Description

Wastewater (STP)

1.0 Liter, Pet Bottle (Each)

24/01/2025

24/01/2025

30/01/2025

SOP/B/D-3

21/01/2025

Mr. Surya

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	Limits	
1	pH	3888	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)



(CHECKED BY) (SANDEEP SAINI)

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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 Sample Description

Mr. Surya

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	788	<1000	IS:1622

(CHECKED BY) (SANDEEP SAINI)

ORISED SIGNATORY)

THM BASSON*)

(AUTHORISED SIGNATORY) (RAVINDER MITTAL

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