



Kamarajar Port Limited

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

Reports on Environmental Monitoring of Kamarajar Port Limited



Study Period: June 2024

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 pro-active manner to minimize any impacts from port operations or new developments. Kamaraj port handles coal for Tamil Nadu Electric Board, POL products and export of automobiles. Data generations on environmental quality constitute the basis for environmental appraisal of the project. Thus, data on environmental quality has to be periodically monitored and also to comply with the TNPCB / MOEF conditions.

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

Accordingly, environmental quality data on Ambient Air and Effluent (Sewage) for the month of June 2024 is presented in this report.

2.0 Scope and Methodology:

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

2.1 Ambient Air Quality

As a part of study, Ambient Air Quality Parameters were measured during the monitoring 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 June 2024.

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 72 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


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(RAVINDER MITTAL)

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

Test Report Date: 05/07/2024

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. Shridhar**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

Sr. No.	Date of Sampling	ULR No	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	03/06/2024	TC636624000004052F	20.48	51.20	15.29	20.59	ND
2	07/06/2024	TC636624000004141F	24.19	53.21	13.29	21.12	ND
3	10/06/2024	TC636624000004183F	19.43	49.60	12.40	26.56	ND
4	17/06/2024	TC636624000004327F	18.35	54.65	15.21	19.69	ND
5	22/06/2024	TC636624000004511F	20.12	49.60	16.38	26.38	ND
6	24/06/2024	TC636624000004581F	22.54	50.12	12.78	27.50	ND
7	29/06/2024	TC636624000004747F	21.76	52.32	13.31	22.49	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 Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030110	ND
2	07/06/2024	202406070110	ND
3	10/06/2024	202406100110	ND
4	17/06/2024	202406170110	ND
5	22/06/2024	202406220110	ND
6	24/06/2024	202406240110	ND
7	29/06/2024	202406290110	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,
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Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ULR No	Concentration				
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Carbon Monoxide (as CO) mg/m3
1	03/06/2024	TC636624000004053F	19.38	29.49	10.29	25.29	ND
2	07/06/2024	TC636624000004142F	20.48	30.42	12.43	18.29	ND
3	10/06/2024	TC636624000004184F	23.12	33.43	13.21	19.32	ND
4	17/06/2024	TC636624000004328F	22.49	34.14	12.10	20.19	ND
5	22/06/2024	TC636624000004512F	20.23	36.67	14.26	26.59	ND
6	24/06/2024	TC636624000004582F	21.12	38.59	14.11	21.12	ND
7	29/06/2024	TC636624000004748F	22.58	30.59	3.20	23.33	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 Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030111	ND
2	07/06/2024	202406070111	ND
3	10/06/2024	202406100111	ND
4	17/06/2024	202406170111	ND
5	22/06/2024	202406220111	ND
6	24/06/2024	202406240111	ND
7	29/06/2024	202406290111	ND
Test Method			PID Based Methane Analyser

Remark:

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Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ULR No	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	03/06/2024	TC636624000004054F	25.49	43.29	12.38	20.49	ND
2	07/06/2024	TC636624000004143F	28.59	41.23	14.39	22.12	ND
3	10/06/2024	TC636624000004185F	25.12	40.18	10.32	21.54	ND
4	17/06/2024	TC636624000004329F	27.69	44.26	14.23	20.48	ND
5	22/06/2024	TC636624000004513F	26.43	45.57	15.38	17.76	ND
6	24/06/2024	TC636624000004583F	29.43	47.68	13.24	21.16	ND
7	29/06/2024	TC636624000004749F	24.43	46.12	14.27	23.18	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 Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030112	ND
2	07/06/2024	202406070112	ND
3	10/06/2024	202406100112	ND
4	17/06/2024	202406170112	ND
5	22/06/2024	202406220112	ND
6	24/06/2024	202406240112	ND
7	29/06/2024	202406290112	ND
Test Method			PID Based Methane Analyser

Remark:

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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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ULR No	Concentration				
			Particulate Matter (PM2.5) µg/m3	Particulate Matter (PM10) µg/m3	Sulphur Dioxide (as SO2) µg/m3	Nitrogen Dioxide (as NO2) µg/m3	Carbon Monoxide (as CO) mg/m3
1	03/06/2024	TC636624000004055F	21.39	44.12	12.32	19.39	ND
2	07/06/2024	TC636624000004144F	24.24	48.59	14.27	20.43	ND
3	10/06/2024	TC636624000004186F	20.49	46.65	13.16	18.32	ND
4	17/06/2024	TC636624000004330F	21.13	49.59	15.54	17.49	ND
5	22/06/2024	TC636624000004514F	22.10	50.38	16.38	20.13	ND
6	24/06/2024	TC636624000004584F	20.47	43.12	15.30	22.49	ND
7	29/06/2024	TC636624000004750F	23.54	46.54	16.43	20.18	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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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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030113	ND
2	07/06/2024	202406070113	ND
3	10/06/2024	202406170113	ND
4	17/06/2024	202406220113	ND
5	22/06/2024	202406240113	ND
6	24/06/2024	202406290113	ND
7	29/06/2024	202405270113	ND
Test Method			PID Based Methane Analyser

Remark:

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

Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ULR No	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	03/06/2024	TC636624000004056F	26.59	29.49	21.43	24.39	ND
2	07/06/2024	TC636624000004145F	30.12	30.12	17.59	20.43	ND
3	10/06/2024	TC636624000004187F	23.15	31.43	20.32	21.40	ND
4	17/06/2024	TC636624000004331F	20.54	36.69	18.49	19.38	ND
5	22/06/2024	TC636624000004515F	23.10	39.40	22.13	22.10	ND
6	24/06/2024	TC636624000004585F	28.59	40.21	24.38	23.16	ND
7	29/06/2024	TC636624000004751F	25.49	38.76	20.13	24.17	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-6366

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

Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030114	ND
2	07/06/2024	202406070114	ND
3	10/06/2024	202406100114	ND
4	17/06/2024	202406170114	ND
5	22/06/2024	202406220114	ND
6	24/06/2024	202406240114	ND
7	29/06/2024	202406290114	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

Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ULR No	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	03/06/2024	TC636624000004057F	20.39	30.49	14.29	19.29	ND
2	07/06/2024	TC636624000004146F	21.54	24.29	15.32	20.39	ND
3	10/06/2024	TC636624000004188F	24.38	26.39	16.21	21.42	ND
4	17/06/2024	TC636624000004332F	24.10	22.40	14.26	24.37	ND
5	22/06/2024	TC636624000004516F	23.14	24.14	15.25	19.49	ND
6	24/06/2024	TC636624000004586F	24.47	22.46	14.22	21.31	ND
7	29/06/2024	TC636624000004752F	25.19	20.49	13.12	26.56	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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(RAVINDER MITTAL)

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

Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030115	ND
2	07/06/2024	202406070115	ND
3	10/06/2024	202406100115	ND
4	17/06/2024	202406170115	ND
5	22/06/2024	202406220115	ND
6	24/06/2024	202406240115	ND
7	29/06/2024	202406290115	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

Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	ULR No	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	03/06/2024	TC636624000004058F	24.39	29.48	15.29	20.49	ND
2	07/06/2024	TC636624000004147F	22.18	29.65	18.39	21.39	ND
3	10/06/2024	TC636624000004189F	25.49	30.14	19.21	23.14	ND
4	17/06/2024	TC636624000004333F	20.32	29.47	17.49	21.30	ND
5	22/06/2024	TC636624000004517F	23.16	28.43	16.25	19.38	ND
6	24/06/2024	TC636624000004587F	21.54	30.21	19.19	20.37	ND
7	29/06/2024	TC636624000004753F	19.49	29.43	17.73	21.13	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 Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.)	: 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030116	ND
2	07/06/2024	202406070116	ND
3	10/06/2024	202406100116	ND
4	17/06/2024	202406170116	ND
5	22/06/2024	202406220116	ND
6	24/06/2024	202406240116	ND
7	29/06/2024	202406290116	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

Test Report Date: 05/07/2024

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. Shridhar**
Sampling Duration (Hrs.) : **24 Hrs.**

Analysis Report

Sr. No.	Date of Sampling	ULR No	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	03/06/2024	TC636624000004059F	21.39	39.49	20.17	21.43	ND
2	07/06/2024	TC636624000004148F	20.19	34.21	19.24	28.65	ND
3	10/06/2024	TC636624000004190F	23.43	31.27	21.40	26.49	ND
4	17/06/2024	TC636624000004334F	26.57	37.59	18.69	29.33	ND
5	22/06/2024	TC636624000004518F	22.13	38.59	17.39	25.34	ND
6	24/06/2024	TC636624000004588F	21.25	40.12	20.15	22.16	ND
7	29/06/2024	TC636624000004754F	23.18	41.28	19.21	21.32	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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(RAVINDER MITTAL)

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

Test Report Date: 05/07/2024

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. Shridhar
Sampling Duration (Hrs.) : 24 Hrs.

Analysis Report

Sr. No.	Date of Sampling	Test Report No.	Concentration
			Methane (%)
1	03/06/2024	202406030117	ND
2	07/06/2024	202406070117	ND
3	10/06/2024	202406100117	ND
4	17/06/2024	202406170117	ND
5	22/06/2024	202406220117	ND
6	24/06/2024	202406240117	ND
7	29/06/2024	202406290117	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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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.: TC636624000004611F-4612F
Test Report Date: 06/07/2024

Sample Particulars

Nature of the Sample : **Wastewater (STP)**
Sample Quantity & Packaging : 1.0 Liter, Pet Bottle (Each)
Sample Received at Lab : 29/06/2024
Test Started On : 29/06/2024
Test Completed On : 05/07/2024
Method of Sampling : SOP/B/D-3
Date of Sampling : 25/06/2024
Monitoring Conducted By : Mr. Shridhar
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	...	7.62	7.45	5.5 to 9.0	IS:3025 (P-11)
2	Total Suspended Solids (TSS)	mg/l	66	100	50	IS:3025 (P-17)
3	Chemical Oxygen Demand (COD)	mg/l	74	64	150	IS:3025 (P-58)
4	Bio-Chemical Oxygen Demand (5 days at 20°C) (BOD)	mg/l	12	14	30	IS:3025 (P-44)
5	Faecal Coliform*	MPN/100 ml	426	669	<1000	IS:1622



(AUTHORISED SIGNATORY)

(RHYTHM BASSON*)

(AUTHORISED SIGNATORY)

(RAVINDER MITTAL)

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