

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-38345 to N-38349/2024-25 & 01.02.2025
Sample Number N-38345 to N-38349/24-25
Name of the Customer M/s. IL&FS TAMILNADU POWER CO.LTD,
Address C.Pudhupettai(Post), Parangipettai,
 Bhuvanagiri Taluka,Cuddalore - 608502.

Sample Drawn by Laboratory
Sample Name Ambient Air
Sample Description Ambient Air Quality
Sampling Plan & Procedure CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity 1 No Each
Analysis Completed on 01.02.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 1	AAQ 2	AAQ 3	AAQ 4	AAQ 5	NAAQS*
				SAMPLING DATE					
				24.01.2025 to 25.01.2025	25.01.2025 to 26.01.2025	24.01.2025 to 25.01.2025	25.01.2025 to 26.01.2025	24.01.2025 to 25.01.2025	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 (Part 24)	µg/m ³	31.2	23.5	25.7	16.8	22.4	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 (Part 23)	µg/m ³	71.4	57.6	59.8	47.2	51.5	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	µg/m ³	14.5	9.4	11.2	6.5	8.6	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	µg/m ³	27.4	19.2	23.8	13.7	17.5	80
5	OZONE (O ₃)	CTL/SOP/AIR/08	µg/m ³	32.4	21.5	26.6	17.5	22.0	100
6	LEAD (Pb)	IS 5182 (Part 22)	µg/m ³	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23	mg/m ³	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 (Part 25)	µg/m ³	25.8	17.3	21.6	10.6	14.5	400
9	ARSENIC (As)	CTL/SOP/AIR/06	ng/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	6
10	NICKEL (Ni)	IS 5182 (Part 26)	ng/m ³	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 (Part 11)	µg/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	5
12	BENZO(a)PYRENE	IS 5182 (Part 12)	ng/m ³	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	1


Verified by



For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

Page 1 of 2

The Report shall not be used to malign, defame and for any malicious purpose.
The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaitesting@chennaitestinglab.com www.ctllabs.in



CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/N-38345 to N-38349/2024-25 & 01.02.2025
-----------------------	--

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 1	AAQ 2	AAQ 3	AAQ 4	AAQ 5	NAAQS*
				SAMPLING DATE					
				24.01.2025 to 25.01.2025	25.01.2025 to 26.01.2025	24.01.2025 to 25.01.2025	25.01.2025 to 26.01.2025	24.01.2025 to 25.01.2025	
13	MERCURY	CTL/SOP/AIR/25	ng/m ³	BLQ(LOQ:1.0)	-	-	-	-	-

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009.
 BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

S.No	Location Code	Location Name	Location Coordinates
1	AAQ 1	KUDIKADU(NE)	11°41'00.464" North 79°45'26.632" East
2	AAQ 2	PERIYAPATTU(NNW)	11°33'35.731" North 79°43'14.835" East
3	AAQ 3	SILAMBIMANGALAM(NNW)	11°32'57.358" North 79°43'28.154" East
4	AAQ 4	PUVALAI(W)	11°30'51.621" North 79°40'37.846" East
5	AAQ 5	KOTHATTAI(SW)	11°30'35.552" North 79°42'47.575" East

END OF REPORT

Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

Page 2 of 2

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

The Report shall not be used to malign, defame and for any malicious purpose.
 The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaiesting@chennaiestinglab.com www.ctllabs.in

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-38350 to N-38354/2024-25 & 01.02.2025
Sample Number N-38350 to N-38354/24-25
Name of the Customer M/s. IL&FS TAMILNADU POWER CO.LTD,
Address C.Pudhupettai(Post), Parangipettai,
 Bhuvanagiri Taluka,Cuddalore - 608502.

Sample Drawn by Laboratory
Sample Name Ambient Air
Sample Description Ambient Air Quality
Sampling Plan & Procedure CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity 1 No Each
Analysis Completed on 01.02.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 6	AAQ 7	AAQ 8	AAQ 9	AAQ 10	NAAQS*
				SAMPLING DATE					
				25.01.2025 to 26.01.2025	26.01.2025 to 27.01.2025	26.01.2025 to 27.01.2025	26.01.2025 to 27.01.2025	24.01.2025 to 25.01.2025	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 (Part 24)	µg/m ³	17.2	19.5	22.6	18.3	15.8	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 (Part 23)	µg/m ³	45.5	52.5	54.6	51.7	40.6	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	µg/m ³	5.3	6.4	8.7	5.8	5.2	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	µg/m ³	11.7	13.1	16.9	12.2	11.0	80
5	OZONE (O ₃)	CTL/SOP/AIR/08	µg/m ³	15.4	19.7	22.0	18.5	11.6	100
6	LEAD (Pb)	IS 5182 (Part 22)	µg/m ³	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23	mg/m ³	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 (Part 25)	µg/m ³	10.3	13.2	16.6	19.4	8.7	400
9	ARSENIC (As)	CTL/SOP/AIR/06	ng/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	6
10	NICKEL (Ni)	IS 5182 (Part 26)	ng/m ³	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 (Part 11)	µg/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	5
12	BENZO(a)PYRENE	IS 5182 (Part 12)	ng/m ³	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	1

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

S. No	Location Code	Location Name	Location Coordinates
1	AAQ 6	PUTHUR(S)	11°21'23.264" North 79°34'2.173" East
2	AAQ 7	CHIDAMBARAM(SSW)	11°24'10.408" North 79°40'49.764" East
3	AAQ 8	VADALUR(W)	11°33'20.876" North 79°33'22.013" East
4	AAQ 9	PANRUTI(WNW)	11°46'11.929" North 79°33'56.816" East
5	AAQ 10	THACHAKKADU(WSW)	11°28'55.267" North 79°41'30.399" East

END OF REPORT



Verified by

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

Page 1 of 1

The Report shall not be used to malign, defame and for any malicious purpose.
 The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaiesting@chennaiestinglab.com www.ctllabs.in

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-38355 to N-38359/2024-25 & 01.02.2025
Sample Number N-38355 to N-38359/24-25
Name of the Customer M/s. IL&FS TAMILNADU POWER CO.LTD,
Address C.Pudhupettai(Post), Parangipettai,
 Bhuvanagiri Taluka,Cuddalore - 608502.

Sample Drawn by Laboratory
Sample Name Ambient Air
Sample Description Ambient Air Quality
Sampling Plan & Procedure CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity 1 No Each
Analysis Completed on 01.02.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 11	AAQ 12	AAQ 13	AAQ 14	AAQ 15	NAAQS*
				SAMPLING DATE					
				24.01.2025 to 25.01.2025	26.01.2025 to 27.01.2025	25.01.2025 to 26.01.2025	26.01.2025 to 27.01.2025	24.01.2025 to 25.01.2025	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 (Part 24)	µg/m ³	16.2	12.6	21.4	20.2	15.7	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 (Part 23)	µg/m ³	35.5	30.8	51.3	41.3	31.0	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	µg/m ³	BLQ(LOQ:3.0)	BLQ(LOQ:3.0)	8.3	5.5	BLQ(LOQ:3.0)	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	µg/m ³	8.3	6.5	18.3	11.4	5.6	80
5	OZONE (O ₃)	CTL/SOP/AIR/08	µg/m ³	9.5	8.6	20.7	16.7	BLQ(LOQ:5.0)	100
6	LEAD (Pb)	IS 5182 (Part 22)	µg/m ³	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23	mg/m ³	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 (Part 25)	µg/m ³	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	7.4	5.2	BLQ(LOQ:5.0)	400
9	ARSENIC (As)	CTL/SOP/AIR/06	ng/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	6
10	NICKEL (Ni)	IS 5182 (Part 26)	ng/m ³	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 (Part 11)	µg/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	5
12	BENZO(a)PYRENE	IS 5182 (Part 12)	ng/m ³	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	1

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826 dated 18.11.2009.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

S. No	Location Code	Location Name	Location Coordinates
1	AAQ 11	VELINGIRAYANPETTAI(NNE)	11°31'30.138" North 79°45'43.718" East
2	AAQ 12	PORTO NOVO(SE)	11°29'8.834" North 79°45'3.517" East
3	AAQ 13	SAMIYARPETTAI(NNE)	11°33'2.294" North 79°45'17.803" East
4	AAQ 14	THOPPIRUPPU(WSW)	11°30'51.244" North 79°44'12.562" East
5	AAQ 15	AYYAMPETTAI(N)	11°35'9.655" North 79°45'18.822" East

END OF REPORT



Verified by 

For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory
G.MANIKANDAN
 SENIOR MANAGER
 (CHEMICAL)

Page 1 of 1

The Report shall not be used to malign, defame and for any malicious purpose.
 The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaiesting@chennaiestinglab.com www.ctllabs.in

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-38360 to N-38364/2024-25 & 01.02.2025
Sample Number N-38360 to N-38364/24-25
Name of the Customer M/s. IL&FS TAMILNADU POWER CO.LTD,
Address C.Pudhupettai(Post), Parangipettai,
 Bhuvanagiri Taluka,Cuddalore - 608502.

Sample Drawn by Laboratory
Sample Name Ambient Air
Sample Description Ambient Air Quality
Sampling Plan & Procedure CTL/QSP/F-89 & IS 5182 (Part V) and (Part XIV)
Sample Quantity 1 No Each
Analysis Completed on 01.02.2025

Test Results:

The above sample tested as received, and results are as follows:

DISCIPLINE : CHEMICAL

GROUP : ATMOSPHERIC POLLUTION

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 16	AAQ 17	AAQ 18	AAQ 19	AAQ 20	NAAQS*
				SAMPLING DATE					
				23.01.2025 to 24.01.2025	26.01.2025 to 27.01.2025	25.01.2025 to 26.01.2025	23.01.2025 to 24.01.2025	25.01.2025 to 26.01.2025	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 (Part 24)	µg/m ³	16.2	14.2	17.5	18.7	20.6	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 (Part 23)	µg/m ³	39.5	31.2	41.3	44.5	47.5	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 (Part 2)	µg/m ³	BLQ(LOQ:3.0)	BLQ(LOQ:3.0)	BLQ(LOQ:3.0)	BLQ(LOQ:3.0)	7.1	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 (Part 6)	µg/m ³	6.4	6.9	8.5	9.7	14.8	80
5	OZONE (O ₃)	CTL/SOP/AIR/08	µg/m ³	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	11.3	100
6	LEAD (Pb)	IS 5182 (Part 22)	µg/m ³	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	BLQ(LOQ:0.05)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23	mg/m ³	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	BLQ(LOQ:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 (Part 25)	µg/m ³	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	BLQ(LOQ:5.0)	7.8	400
9	ARSENIC (As)	CTL/SOP/AIR/06	ng/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	6
10	NICKEL (Ni)	IS 5182 (Part 26)	ng/m ³	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	BLQ(LOQ:2.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 (Part 11)	µg/m ³	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	BLQ(LOQ:1.0)	5
12	BENZO(a)PYRENE	IS 5182 (Part 12)	ng/m ³	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	BLQ(LOQ:0.5)	1

Verified by 



For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory 

Page 1 of 2

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

The Report shall not be used to malign, defame and for any malicious purpose.
 The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaiesting@chennaiestinglab.com www.ctllabs.in



CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/N-38360 to N-38364/2024-25 & 01.02.2025
-----------------------	--

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 16	AAQ 17	AAQ 18	AAQ 19	AAQ 20	NAAQS*
				SAMPLING DATE					
				23.01.2025 to 24.01.2025	26.01.2025 to 27.01.2025	25.01.2025 to 26.01.2025	23.01.2025 to 24.01.2025	25.01.2025 to 26.01.2025	
13	MERCURY	CTL/SOP/AIR/25	ng/m ³	BLQ(LOQ:1.0)	-	-	-	-	-

*National Ambient Air Quality Standards prescribed by Ministry of Environment and Forests, Government of India vide Gazette Notification G.S.R. 826(E) dated 18.11.2009.

BLQ - Below Limit of Quantification; LOQ - Limit of Quantification:

S. No	Location Code	Location Name	Location Coordinates
1	AAQ 16	RASAPETTAI(NE)	11°41'2.539" North 79°46'15.087" East
2	AAQ 17	CHINOOR(SE)	11°30'46.981" North 79°45'49.39" East
3	AAQ 18	THIYAGAVALLI(NE)	11°37'22.42" North 79°44'28.909" East
4	AAQ 19	KILLAI(SSE)	11°27'13.279" North 79°45'24.792" East
5	AAQ 20	VATHIYAPALLI(SE)	11°29'17.580" North 79°45'32.616" East

END OF REPORT


 Verified by

For Chennai Testing Laboratory Pvt Ltd


 Authorised Signatory

Page 2 of 2

G.MANIKANDAN
SENIOR MANAGER
(CHEMICAL)

The Report shall not be used to malign, defame and for any malicious purpose.
The Report is meant only for sole use of the addressee

A - Super 19, T.V.K. Industrial Estate, Guindy, Chennai - 600 032, Tamil Nadu - India

Phone : +91-44-2250 1757 | E-mail : chennaiesting@chennaiestinglab.com www.ctllabs.in