

CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date: CTL/CH/N-28134 to N-28138/2024-25 & 30.08.2024
 Sample Number: N-28134 to N-28138/24-25
 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: 30.08.2024

Test Results:

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

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 1	AAQ 2	AAQ 3	AAQ 4	AAQ 5	NAAQS*
				SAMPLING DATE					
				21.08.2024 to 22.08.2024	22.08.2024 to 23.08.2024	21.08.2024 to 22.08.2024	23.08.2024 to 24.08.2024	23.08.2024 to 24.08.2024	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	35.2	29.1	22.7	19.6	21.6	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006 (R.2017)	µg/m ³	76.2	62.4	53.8	48.5	50.2	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001 (R.2017)	µg/m ³	15.1	10.5	8.4	7.5	9.4	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 Part 6 - 2006 (R.2017)	µg/m ³	29.6	22.4	17.6	16.2	20	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	37.0	34.5	25.1	20.2	26.1	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m ³	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	36.5	24.5	20.5	17.6	18.2	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006 (R.2017)	µg/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004 (R.2019)	ng/m ³	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	1
13	MERCURY	CTL/SOP/AIR/25-2016	ng/m ³	BDL(DL: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. BDL - Below Detection Limit(D.L - Detection Limit)

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 *[Signature]*

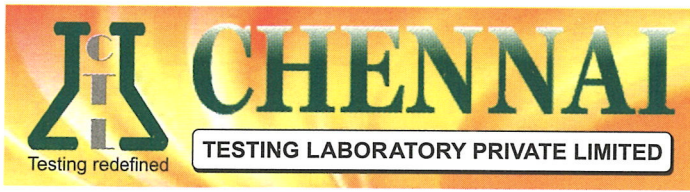
For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory
G. MANIKANDAN
Head - Environment Division
(CHEMICAL)

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date	CTL/CH/N-28139 to N-28143/2024-25 & 30.08.2024
Sample Number	N-28139 to N-28143/24-25
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	30.08.2024

Test Results:

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

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 6	AAQ 7	AAQ 8	AAQ 9	AAQ 10	NAAQS*
				SAMPLING DATE					
				22.08.2024 to 23.08.2024	23.08.2024 to 24.08.2024	22.08.2024 to 23.08.2024	24.08.2024 to 25.08.2024	23.08.2024 to 24.08.2024	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	22.5	18.1	17.8	20	17.0	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006 (R.2017)	µg/m ³	51	40.6	45.5	47.5	38.2	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001 (R.2017)	µg/m ³	8.8	4.5	5.1	5.7	3.5	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 Part 6 - 2006 (R.2017)	µg/m ³	16.5	9.6	11.5	10.2	7.6	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	24.5	12.2	16.1	15.1	9.2	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m ³	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	23.2	14.4	17.8	20	10.1	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006 (R.2017)	µg/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004 (R.2019)	ng/m ³	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL: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.

BDL - Below Detection Limit(D.L - Detection Limit)

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

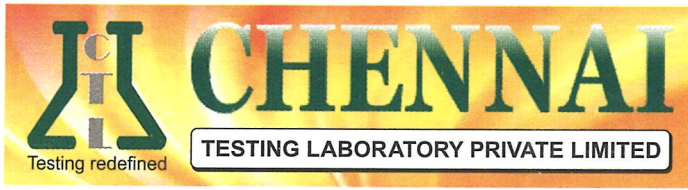
G. MANIKANDAN
Head - Environment Division
(CHEMICAL)

Page 1 of 1

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-28144 to N-28148/2024-25 & 30.08.2024
Sample Number N-28144 to N-28148/24-25
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 30.08.2024

Test Results:

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

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 11	AAQ 12	AAQ 13	AAQ 14	AAQ 15	NAAQS*
				SAMPLING DATE					
				22.08.2024 to 23.08.2024	23.08.2024 to 24.08.2024	21.08.2024 to 22.08.2024	21.08.2024 to 22.08.2024	22.08.2024 to 23.08.2024	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	19.8	16.6	17.6	16.8	19.2	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006 (R.2017)	µg/m ³	44.1	37.5	42.5	39.6	40	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001 (R.2017)	µg/m ³	4.5	BDL(DL:3.0)	5	BDL(DL:3.0)	BDL(DL:3.0)	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 Part 6 - 2006 (R.2017)	µg/m ³	9	5.5	9.6	4.5	6.7	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	11.5	BDL(DL:5.0)	10.2	BDL(DL:5.0)	BDL(DL:5.0)	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m ³	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006 (R.2017)	µg/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004 (R.2019)	ng/m ³	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL: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.

BDL - Below Detection Limit(D.L - Detection Limit)

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

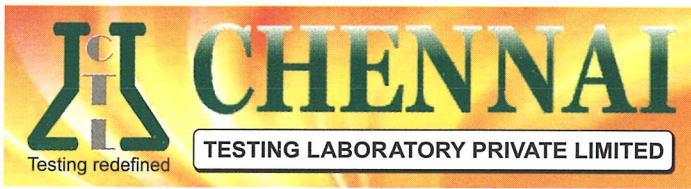
Page 1 of 1

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CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-28149 to N-28153/2024-25 & 30.08.2024
Sample Number N-28149 to N-28153/24-25
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 30.08.2024

Test Results:

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

SL.NO	PARAMETERS	METHODS	UNITS	AAQ 16	AAQ 17	AAQ 18	AAQ 19	AAQ 20	NAAQS*
				SAMPLING DATE					
				24.08.2024 to 25.08.2024	21.08.2024 to 22.08.2024	23.08.2024 to 24.08.2024	22.08.2024 to 23.08.2024	21.08.2024 to 22.08.2024	
1	PARTICULATE MATTER (PM _{2.5})	IS 5182 Part 24 - 2019	µg/m ³	19.7	18	20.9	16.9	16.2	60
2	PARTICULATE MATTER (PM ₁₀)	IS 5182 Part 23 - 2006 (R.2017)	µg/m ³	46.5	39	47.5	37.2	34.2	100
3	SULPHUR DIOXIDE (SO ₂)	IS 5182 Part 2 - 2001 (R.2017)	µg/m ³	4	BDL(DL:3.0)	4.4	BDL(DL:3.0)	BDL(DL:3.0)	80
4	OXIDES OF NITROGEN (NO ₂)	IS 5182 Part 6 - 2006 (R.2017)	µg/m ³	7.6	4.2	8.1	10.1	7.8	80
5	OZONE (O ₃)	CTL/SOP/AIR/08 - 2016	µg/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m ³	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	BDL(DL:0.1)	1
7	CARBON MONOXIDE (CO)	CTL/SOP/AIR/23 - 2016	mg/m ³	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH ₃)	IS 5182 Part 25 - 2018	µg/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	6
10	NICKEL (Ni)	IS 5182 Part 26 - 2020	ng/m ³	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C ₆ H ₆)	IS 5182 PART 11 - 2006 (R.2017)	µg/m ³	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	BDL(DL:1.0)	5
12	BENZO(a)PYRENE	IS 5182 PART 12 - 2004 (R.2019)	ng/m ³	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	BDL(DL:0.5)	1
13	MERCURY	CTL/SOP/AIR/25-2016	ng/m ³	BDL(DL: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.

BDL - Below Detection Limit(D.L - Detection Limit)

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

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