

CIN : U93000TN2000PTC043869

## TEST REPORT

**Test Report No & Date** CTL/CH/N-34510 to N-34514/2022-23 & 06.04.2023  
**Sample Number** N-34510 to N-34514/22-23  
**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** 06.04.2023

### 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					
				26.03.2023 to 27.03.2023	25.03.2023 to 26.03.2023	25.03.2023 to 26.03.2023	24.03.2023 to 25.03.2023	25.03.2023 to 26.03.2023	
1	PARTICULATE MATTER (PM <sub>2.5</sub> )	IS 5182 Part 24 - 2019	µg/m <sup>3</sup>	34.1	31	34.8	25.6	23.0	60
2	PARTICULATE MATTER (PM <sub>10</sub> )	IS 5182 Part 23 - 2006 (R.2017)	µg/m <sup>3</sup>	73.1	64.2	71.5	57.5	52.4	100
3	SULPHUR DIOXIDE (SO <sub>2</sub> )	IS 5182 Part 2 - 2001 (R.2017)	µg/m <sup>3</sup>	13.2	11.5	13.0	9.8	8.5	80
4	OXIDES OF NITROGEN (NO <sub>2</sub> )	IS 5182 Part 6 - 2006 (R.2017)	µg/m <sup>3</sup>	28.1	25.6	26.1	18.7	19.1	80
5	OZONE (O <sub>3</sub> )	CTL/SOP/AIR/08 - 2016	µg/m <sup>3</sup>	37.5	30.1	35.2	26.1	24.0	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH <sub>3</sub> )	IS 5182 Part 25 - 2018	µg/m <sup>3</sup>	29.5	21.5	30.4	22.6	21.1	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C <sub>6</sub> H <sub>6</sub> )	IS 5182 PART 11 - 2006 (R.2017)	µg/m <sup>3</sup>	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 <sup>3</sup>	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 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 1 of 1

**G. MANIKANDAN**  
Head - Environment Division  
(CHEMICAL)

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CIN : U93000TN2000PTC043869

## TEST REPORT

**Test Report No & Date** CTL/CH/N-34515 to N-34519/2022-23 & 06.04.2023  
**Sample Number** N-34515 to N-34519/22-23  
**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** 06.04.2023

### 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					
				24.03.2023 to 25.03.2023	26.03.2023 to 27.03.2023	24.03.2023 to 25.03.2023	26.03.2023 to 27.03.2023	25.03.2023 to 26.03.2023	
1	PARTICULATE MATTER (PM <sub>2.5</sub> )	IS 5182 Part 24 - 2019	µg/m <sup>3</sup>	25.0	19.8	27.8	24.5	20.7	60
2	PARTICULATE MATTER (PM <sub>10</sub> )	IS 5182 Part 23 - 2006 (R.2017)	µg/m <sup>3</sup>	58.1	44.5	59.5	56.2	48.2	100
3	SULPHUR DIOXIDE (SO <sub>2</sub> )	IS 5182 Part 2 - 2001 (R.2017)	µg/m <sup>3</sup>	10.1	6.1	10.7	8.5	6.7	80
4	OXIDES OF NITROGEN (NO <sub>2</sub> )	IS 5182 Part 6 - 2006 (R.2017)	µg/m <sup>3</sup>	25.3	12.5	23.5	17.1	14.1	80
5	OZONE (O <sub>3</sub> )	CTL/SOP/AIR/08 - 2016	µg/m <sup>3</sup>	28.4	16.2	25.5	20.0	15.1	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH <sub>3</sub> )	IS 5182 Part 25 - 2018	µg/m <sup>3</sup>	33.2	11.5	30.1	18.5	19.2	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C <sub>6</sub> H <sub>6</sub> )	IS 5182 PART 11 - 2006 (R.2017)	µg/m <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	-	-	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 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\*\*\*

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For Chennai Testing Laboratory Pvt Ltd

Authorised Signatory

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Head - Environment Division  
(CHEMICAL)

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CIN : U93000TN2000PTC043869

## TEST REPORT

Test Report No & Date CTL/CH/N-34520 to N-34524/2022-23 & 06.04.2023  
 Sample Number N-34520 to N-34524/22-23  
 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 06.04.2023

### 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					
				24.03.2023 to 25.03.2023	26.03.2023 to 27.03.2023	25.03.2023 to 27.03.2023	24.03.2023 to 25.03.2023	25.03.2023 to 26.03.2023	
1	PARTICULATE MATTER (PM <sub>2.5</sub> )	IS 5182 Part 24 - 2019	µg/m <sup>3</sup>	18.3	14.2	17.1	15.6	21.1	60
2	PARTICULATE MATTER (PM <sub>10</sub> )	IS 5182 Part 23 - 2006 (R.2017)	µg/m <sup>3</sup>	41	35.2	39	36.4	48.5	100
3	SULPHUR DIOXIDE (SO <sub>2</sub> )	IS 5182 Part 2 - 2001 (R.2017)	µg/m <sup>3</sup>	BDL(DL:3.0)	BDL(DL:3.0)	BDL(DL:3.0)	BDL(DL:3.0)	4.2	80
4	OXIDES OF NITROGEN (NO <sub>2</sub> )	IS 5182 Part 6 - 2006 (R.2017)	µg/m <sup>3</sup>	8.4	5.1	6.5	6.8	10.5	80
5	OZONE (O <sub>3</sub> )	CTL/SOP/AIR/08 - 2016	µg/m <sup>3</sup>	BDL(DL:5.0)	10.5	11.2	BDL(DL:5.0)	14.1	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH <sub>3</sub> )	IS 5182 Part 25 - 2018	µg/m <sup>3</sup>	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	11.5	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C <sub>6</sub> H <sub>6</sub> )	IS 5182 PART 11 - 2006 (R.2017)	µg/m <sup>3</sup>	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 <sup>3</sup>	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(DL - 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\*\*\*

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CIN : U93000TN2000PTC043869

## TEST REPORT

Test Report No & Date      CTL/CH/N-34525 to N-34529/2022-23 & 06.04.2023  
 Sample Number              N-34525 to N-34529/22-23  
 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      06.04.2023

### 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					
				26.03.2023 to 27.03.2023	25.03.2023 to 26.03.2023	26.03.2023 to 27.03.2023	24.03.2023 to 25.03.2023	26.03.2023 to 27.03.2023	
1	PARTICULATE MATTER (PM <sub>2.5</sub> )	IS 5182 Part 24 - 2019	µg/m <sup>3</sup>	23	24.4	21.8	21.1	16.8	60
2	PARTICULATE MATTER (PM <sub>10</sub> )	IS 5182 Part 23 - 2006 (R.2017)	µg/m <sup>3</sup>	51.4	56.6	47.2	45.1	37	100
3	SULPHUR DIOXIDE (SO <sub>2</sub> )	IS 5182 Part 2 - 2001 (R.2017)	µg/m <sup>3</sup>	7.8	9.7	6.4	5.4	4.1	80
4	OXIDES OF NITROGEN (NO <sub>2</sub> )	IS 5182 Part 6 - 2006 (R.2017)	µg/m <sup>3</sup>	16.5	18.2	15.1	13.2	12.0	80
5	OZONE (O <sub>3</sub> )	CTL/SOP/AIR/08 - 2016	µg/m <sup>3</sup>	22.8	24.5	20	17.1	15.4	100
6	LEAD (Pb)	IS 5182 PART 22 - 2004 (R.2019)	µg/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	BDL(DL:1.15)	2
8	AMMONIA (NH <sub>3</sub> )	IS 5182 Part 25 - 2018	µg/m <sup>3</sup>	14.1	10.8	11	BDL(DL:5.0)	BDL(DL:5.0)	400
9	ARSENIC (As)	CTL/SOP/AIR/06 - 2016	ng/m <sup>3</sup>	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 <sup>3</sup>	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	BDL(DL:5.0)	20
11	BENZENE (C <sub>6</sub> H <sub>6</sub> )	IS 5182 PART 11 - 2006 (R.2017)	µg/m <sup>3</sup>	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 <sup>3</sup>	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 <sup>3</sup>	-	-	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(DL - 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	CHINNOOR(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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