



CIN : U93000TN2000PTC043869

TEST REPORT

Test Report No & Date CTL/CH/N-28160 to N-28161/2024-25 & 30.08.2024
Sample Number N-28160 to N-28161/24-25
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 Stack Emission
Sample Description Stack Emission
Sampling Plan & Procedure CTL/QSP/F-89 & IS 11255
Sample Quantity 1 No
Equipment used for Sampling VSS1 Stack Sampler S.No -288-DTI-2020 Due Date:13.12.2024,
Kane 905 S S.No 090519403 Calibration Due Date:02.02.2025
Analysis Completed on 30.08.2024

Test Results:

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

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS		LIMITS*
				SAMPLING DATE		
				22.08.2024	22.08.2024	
1	STACK ATTACHED TO	-	-	Chimney(Unit - 1)	Chimney(Unit - 2)	-
2	CAPACITY	-	MW	600	600	-
3	STACK HEIGHT	-	m	275	275	-
4	STACK TEMPERATURE	IS 11255 PART 3 2008	K	370.0	371.0	-
5	STACK VELOCITY	IS 11255 PART 3 2008	m/s	22.4	22.0	-
6	STACK GAS FLOW RATE	IS 11255 PART 3 2008	Nm ³ /hr	2862859.0	2804157.7	-
7	DIAMETER OF STACK	-	m	7.5	7.5	-
8	FROM THE GROUND LEVEL PORTHOLE HEIGHT	-	m	103	103	-
9	DUCT AREA	-	m ²	44.15	44.15	-
10	OXIDES OF NITROGEN (NO _x)	IS 11255 PART 7 2005 (R 2017)	mg/Nm ³	285	291	450
11	SULPHUR DIOXIDE (SO ₂)	IS 11255 PART 2 1985 (R 2019)	mg/Nm ³	150	158	200
12	PARTICULATE MATTER(PM)	IS 11255 PART 1 1985 (R 2019)	mg/Nm ³	18.2	20.7	50
13	CARBON DIOXIDE (CO ₂)	CTL/SOP/STACK/010-2016 (Flue Gas Analyser)	%	13.2	12.9	NA
14	CARBON MONOXIDE (CO)		mg/Nm ³	10	19	NA
15	OXYGEN (O ₂)		%	7.4	7.5	NA
16	TOTAL MERCURY (Hg)	EPA Method 29	mg/Nm ³	BDL(DL:0.01)	BDL(DL:0.01)	0.03

* MoEF & CC Notification Dated 19th October, 2020

Note: The Value of SO₂, Nox & PM Corrected to 6% Oxygen

BDL- Below Detection Limit , D.L-Detection Limit NA - Not Available

END OF REPORT

For Chennai Testing Laboratory Pvt Ltd

Verified by

Authorised Signatory

G. MANIKANDAN
Head, Environment Division
(CHEMICAL)

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The Report is meant only for sole use of the addressee to promote his/her own business.

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