

CIN : U93000TN2000PTC043869

## TEST REPORT

**Test Report No & Date** CTL/CH/N-34536/2022-23 & 06.04.2023  
**Sample Number** N-34536/22-23  
**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** 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:13.12.2023,  
 Kane 905 S S.No 090519403 Calibration Due Date:02.02.2024  
**Analysis Completed on** 06.04.2023

### Test Results:

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

SL.NO	PARAMETERS	METHOD	UNITS	RESULTS	LIMITS*
				SAMPLING DATE	
				27.03.2023	
1	STACK ATTACHED TO	-	-	Chimney(Unit - I)	-
2	CAPACITY	-	MW	600	-
3	STACK HEIGHT	-	m	275	-
4	STACK TEMPERATURE	IS 11255 PART 3 2008	K	356.0	-
5	STACK VELOCITY	IS 11255 PART 3 2008	m/s	22.6	-
6	STACK GAS FLOW RATE	IS 11255 PART 3 2008	Nm <sup>3</sup> /hr	3005970.2	-
7	DIAMETER OF STACK	-	m	7.5	-
8	FROM THE GROUND LEVEL PORTHOLE HEIGHT	-	m	103	-
9	DUCT AREA	-	m <sup>2</sup>	44.15	-
10	OXIDES OF NITROGEN (NO <sub>x</sub> )	IS 11255 PART 7 2005 (R 2017)	mg/Nm <sup>3</sup>	256	450
11	SULPHUR DIOXIDE (SO <sub>2</sub> )	IS 11255 PART 2 1985 (R 2019)	mg/Nm <sup>3</sup>	175	200
12	PARTICULATE MATTER(PM)	IS 11255 PART 1 1985 (R 2019)	mg/Nm <sup>3</sup>	20.7	50
13	CARBON DIOXIDE (CO <sub>2</sub> )	CTL/SOP/STACK/010-2016 (Flue Gas Analyser)	%	12.7	NA
14	CARBON MONOXIDE (CO)		mg/Nm <sup>3</sup>	13	NA
15	OXYGEN (O <sub>2</sub> )		%	7.2	NA
16	TOTAL MERCURY (Hg)	EPA Method 29	mg/Nm <sup>3</sup>	BDL(DL:0.01)	0.03

\* MoEF & CC Notification Dated 19th October, 2020

**Note:** The Value of SO<sub>2</sub>, 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

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 to promote his/her own business.

Authorised Signatory

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