National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	1 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
Permanent Facility				
1	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Ferro Resonance Test	IEC 61869-5
2	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Ferro Resonance Test	IS 16227 Part 1
3	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Ferro Resonance Test	IEC 61869-1
4	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Ferro Resonance Test	IS16227 Part 5
5	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Power frequency withstand test on EMU unit	IEC 61869-1
6	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Power frequency withstand test on EMU unit	IEC 61869-5
7	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Power frequency withstand test on EMU unit	IS 16227 Part 1
8	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer	Power frequency withstand test on EMU unit	IS 16227 Part 5
9	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Power-frequency Voltage withstands Test on primary Terminals	IS 16227 Part 1
10	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Verification of Terminal Marking and Relative Polarity.	IEC 61869-3,5

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	2 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
11	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Verification of Terminal Marking and Relative Polarity.	IS 16227 Part 1
12	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Verification of Terminal Marking and Relative Polarity.	IS 16227 Part 3,5
13	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Partial discharge measurement	IEC 61869-1
14	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Partial discharge measurement	IS 16227 Part 3,5
15	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Low Voltage Terminal (NHF) and Neutral Terminal	IEC 61869-1
16	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Low Voltage Terminal (NHF) and Neutral Terminal	IS 16227 Part 1
17	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Low Voltage Terminal (NHF) and Neutral Terminal	IS 16227 Part 3,5
18	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Secondary Winding	IEC 61869-3,5
19	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Secondary Winding	IS 16227 Part 1
20	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Secondary Winding	IS 16227 Part 3,5
21	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Secondary Winding	IEC 61869-1

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	3 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
22	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Phase Angle Errors	IEC 61869-3,5
23	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Phase Angle Errors	IS 16227 Part 1
24	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Phase Angle Errors)	IEC 61869-1
25	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Phase Angle Errors)	IS 16227 Part 3,5
26	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Ratio Errors)	IEC 61869-1
27	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Ratio Errors)	IEC 61869-3,5
28	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Capacitance Measurement for Capacitor Divider, Potential Transformer	IEC 61869-1
29	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Capacitance Measurement for Capacitor Divider, Potential Transformer	IS 16227 Part 3,5
30	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Loss Angle (Tan Delta) Measurement for Capacitor Divider, Potential Transformer	IEC 61869-1
31	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Loss Angle (Tan Delta) Measurement for Capacitor Divider, Potential Transformer	IS 16227 Part 1
32	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Power-frequency Voltage withstands Test on primary Terminals	IEC 61869-1

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	4 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
33	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Power-frequency Voltage withstands Test on primary Terminals	IEC 61869-3,5
34	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Power-frequency Voltage withstands Test on primary Terminals	IS 16227 Part 3,5
35	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Capacitance Measurement for Capacitor Divider, Potential Transformer	IEC 61869-3, 5
36	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Capacitance Measurement for Capacitor Divider, Potential Transformer	IS 16227 Part 1
37	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Loss Angle (Tan Delta) Measurement for Capacitor Divider, Potential Transformer	IEC 61869-3,5
38	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Loss Angle (Tan Delta) Measurement for Capacitor Divider, Potential Transformer	IS 16227 Part 3,5
39	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Partial discharge measurement	IS 16227 Part 1
40	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Partial discharge measurement .	IEC 61869-3,5
41	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential transformer, GIS Voltage Transformer	Power Frequency Test on Low Voltage Terminal (NHF) and Neutral Terminal	IEC 61869-3,5
42	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer, Potential Transformer, GIS Voltage transformer	Verification of Terminal Marking and Relative Polarity.	IEC 61869-1
43	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer,Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Ratio Errors)	IS 16227 Part 1

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-7014
Validity	12/03/2022 to 11/03/2024

Last Amended on 29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
44	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Capacitive voltage transformer,Potential Transformer, GIS Voltage transformer	Accuracy Check (Determination of Ratio Errors)	IS 16227 Part 3,5
45	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Coupling Capacitor	Power Frequency Test on Low Voltage Terminal (NHF)	IEC60358-1
46	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Capacitance Measurement	IEC 61869-1
47	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Capacitance Measurement	IEC 61869-2
48	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Capacitance Measurement	IS 16227 Part 1
49	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Capacitance Measurement	IS 16227 Part 2
50	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Loss Angle (Tan Delta) Measurement	IEC 61869-1
51	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Loss Angle (Tan Delta) Measurement	IEC 61869-2
52	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Loss Angle (Tan delta) Measurement	IS 16227 Part 2
53	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Loss Angle (Tan Delta) Measurement	IS 16227 Part1
54	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Partial discharge measurement	IEC 61869-1

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	6 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
55	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Partial discharge measurement	IEC 61869-2
56	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Partial discharge measurement	IS 16227 Part 1
57	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Partial discharge measurement	IS 16227 Part 2
58	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Power frequency Voltage withstand test on primary winding	IEC 61869-1
59	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Power frequency Voltage withstand test on primary winding	IEC 61869-2
60	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Power frequency Voltage withstand test on primary winding	IS 16227 Part 1
61	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer	Power frequency Voltage withstand test on primary winding	IS 16227 Part 2
62	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Phase Angle Errors)	IEC 61869-1
63	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Phase Angle Errors)	IEC 61869-2
64	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Phase Angle Errors)	IS 16227 Part 1
65	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Phase Angle Errors)	IS 16227 Part 2

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	7 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
66	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Ratio Errors)	IEC 61869-1
67	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Ratio Errors)	IEC 61869-2
68	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Ratio Errors)	IS 16227 Part 1
69	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Accuracy Check (Determination of Ratio Errors)	IS 16227 Part 2
70	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Composite Error	IEC 61869-1
71	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Composite Error	IEC 61869-2
72	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Composite Error	IS 16227 Part 1
73	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Composite Error	IS 16227 Part 2
74	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Instrument Security Factor	IEC 61869-1
75	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Instrument Security Factor	IEC 61869-2
76	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Instrument Security Factor	IS 16227 Part 1

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	8 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
77	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Instrument Security Factor	IS 16227 Part 2
78	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Interturn Overvoltage Test	IEC 61869-1
79	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Interturn Overvoltage Test	IEC 61869-2
80	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Interturn Overvoltage Test	IS 16227 Part 1
81	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Interturn Overvoltage Test	IS 16227 Part 2
82	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Knee Point Voltage	IEC 61869-1
83	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Knee Point Voltage	IEC 61869-2
84	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Knee Point Voltage	IS 16227 Part 1
85	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Knee Point Voltage	IS 16227 part 2
86	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Measurement of Resistance	IEC 61869-1
87	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Measurement of Resistance	IEC 61869-2

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	9 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
88	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Measurement of Resistance	IS 16227 Part 1
89	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Measurement of Resistance	IS 16227 Part 2
90	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Power Frequency Test on Secondary Winding	IEC 61869-1
91	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Power Frequency Test on Secondary Winding	IEC 61869-2
92	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Power Frequency Test on Secondary Winding	IS 16227 Part 1
93	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Power Frequency Test on Secondary Winding	IS 16227 Part 2
94	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Verification of Terminal Marking and Relative Polarity.	IEC 61869-1
95	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Verification of Terminal Marking and Relative Polarity.	IEC 61869-2
96	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Verification of Terminal Marking and Relative Polarity.	IS 16227 Part 1
97	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Current Transformer, GIS Current Transformer	Verification of Terminal Marking and Relative Polarity.	IS 16227 Part 2
98	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS Bushings	Capacitance Measurement	IEC 60137

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	10 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
99	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS Bushings	Loss Angle (Tan Delta) Measurement	IEC 60137
100	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS Bushings	Partial discharge measurement	IEC 60137
101	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	GIS Bushings	Power frequency withstand test	IEC 60137
102	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Grading Capacitor ,Coupling Capacitors, TRV Capacitor	Power frequency withstand test	IEC 60358-1
103	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Grading Capacitor, Coupling Capacitors, TRV Capacitor	Capacitance Measurement	IEC 60358-1
104	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Grading Capacitor, Coupling Capacitors, TRV Capacitor	Loss Angle (Tan Delta) Measurement	IEC 60358-1
105	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Grading Capacitor, Coupling Capacitors, TRV Capacitor	Partial discharge measurement	IEC 60358-1
106	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Trap	Measurement of rated inductance of the main coil	IEC60353
107	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Measurement of blocking impedance	IEC60353
108	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Measurement of blocking resistance	IEC60353
109	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Measurement of power frequency inductance of the main coil	IEC60353

SCOPE OF ACCREDITATION

Laboratory Name :	HIGH VOLTAGE AND HIGH CURRENT TEST LABORATORY, BUSHINGS, INSTRUMENT TRANSFORMERS & COILS, SIEMENS LTD, E-76, MIDC, WALUJ, AURANGABAD, MAHARASHTRA, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-7014	**Page No**	11 of 11
Validity	12/03/2022 to 11/03/2024	**Last Amended on**	29/03/2022

S.No	Discipline / Group	Materials or Products tested	Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed	Test Method Specification against which tests are performed and / or the techniques / equipment used
110	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Measurement of tapping loss based on the blocking impedance	IEC60353
111	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Measurement of tapping loss based on the blocking resistance	IEC60353
112	ELECTRICAL-TRANSMISSION LINE EQUIPMENT & ACCESSORIES	Line Traps	Power frequency voltage test on Tuning device	IEC60353