National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-9742 **Page No** 1 of 7

Validity 09/08/2021 to 08/08/2023 **Last Amended on** 26/05/2023

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
Site Facility				
1	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Measurement of Capacitance	IEC 61869-3 (Cl. 7)
2	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	(Accuracy Test for phase angle error) Phase angle Error – According to the requirement of appropriate accuracy class	IEC 61869-3, (Cl. No. 7.2)
3	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	(Accuracy Test) Error – According to the requirement of appropriate accuracy class	IS 16227 : Part 1 (Cl. No.: 7.2.6)
4	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	(Accuracy Test) Error – According to the requirement of appropriate accuracy class	IEC 61869-1, (Cl. No.7.2.6)
5	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	(Accuracy Test) Error – According to the requirement of appropriate accuracy class	IEC 61869-3 (Cl. No. : 7.2.6 & 7.3.5)
6	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	(Accuracy Test) Error – According to the requirement of appropriate accuracy class	IS 16227 : Part 3, (Cl. No. : 7.2.6 & 7.3.5)
7	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Insulation Resistance Measurement	IEC 61869-3 (Clause 7.2 and 7.3)
8	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Measurement of Tan delta	IEC 61869-3,(Cl. 7)
9	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Terminal marking and polarity	IEC 61869-1, (Cl. 7.3.6)
10	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Terminal marking and polarity	IEC 61869-3, (Cl. 6.13.301)
11	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Terminal marking and polarity	IS 16227 : Part 1, (Cl. 7.3.6)
12	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitive Voltage transformer – Metering (0.415 kV to 220 kV) (Class : 0.2 to 1)	Terminal marking and polarity	IS 16227 : Part 3, (Cl. 6.13.301)
13	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitor Voltage transformer - Metering (6.6 kV to 220 kV) (Class :0.2 to 1)	Measurement of Capacitance	IEC 61869-5 (Cl. No. 7.2)
14	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitor Voltage transformer - Metering (6.6 kV to 220 kV) (Class :0.2 to 1)	(Accuracy Test) Error - According to the requirement of appropriate accuracy class	IEC 61869-5, (Cl. No. 7.2.6 & 7.3.5)
15	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitor Voltage transformer - Metering (6.6 kV to 220 kV) (Class :0.2 to 1)	(Accuracy Test) Error - According to the requirement of appropriate accuracy class	IS 16227 : Part 5, (Cl. No. : 7.2.6 & 7.3.5)

SCOPE OF ACCREDITATION

Laboratory Name :	AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9742	**Page No**	2 of 7
Validity	09/08/2021 to 08/08/2023	**Last Amended on**	26/05/2023

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
16	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitor Voltage transformer - Metering (6.6 kV to 220 kV) (Class :0.2 to 1)	Insulation Resistance Measurement	IEC 61869-5 (Cl. 7.2)
17	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitor Voltage transformer - Metering (6.6 kV to 220 kV) (Class :0.2 to 1)	Measurement of Tan delta	IEC 61869-5 (Cl. No. 7.2)
18	ELECTRICAL- INDUCTORS & TRANSFORMERS	Capacitor Voltage transformer - Metering (6.6 kV to 220 kV) (Class :0.2 to 1)	Terminal marking and polarity	IEC 61869-5, (Cl. 6.13.501)
19	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (0.4 kV to 220 kV, Class : 0.2s to 1, 5P, 10P, 15P)	Measurement of Tan Delta	IEC 61869 (Part 1, Clause 7)
20	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (0.4 kV to 220 kV, Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Tan Delta	IEC 61869 (Part 2, Clause 7)
21	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (0.4 kV to 220 kV, Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Tan Delta	IS 16227 (Part 2, Cl. No. 7.4)
22	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage Class: 0.4 kV to 220 kV, Accuracy Class: 0.2 s to 1, 5P, 10P, 15P)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IEC 61869 (Part 2, Clause 7.3.5)
23	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage Class: 0.4 kV to 220 kV, Accuracy class: 0.2 s to 1, 5P, 10P, 15P)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IEC 61869 (Part 4, Clause 7)
24	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage Class: 0.4 kV to 220 kV, Accuracy Class: 0.2 s to 1, 5P, 10P, 15P)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IS 16227 (Part 2, Clause 7.3)
25	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage Class: 0.4 kV to 220 kV, Accuracy Class: 0.2 s to 1, 5P, 10P, 15P)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IEC 61869 (Part 2, Clause 7.3.5)
26	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage Class: 0.4 kV to 220 kV, Accuracy Class: 0.2 s to 1, 5P, 10P, 15P)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IEC 61869 (Part 4, Clause 7)
27	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage Class: 0.4 kV to 220 kV, Accuracy Class: 0.2 s to 1, 5P, 10P, 15P)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IS 16227 (Part 2, Clause 7.3)
28	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class : 0.2s to 1, 5P, 10P, 15P)	Polarity	IEC 61869 (Part 4, Clause 7)

SCOPE OF ACCREDITATION

Laboratory Name :	AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-9742
Page No	3 of 7
Validity	09/08/2021 to 08/08/2023
Last Amended on	26/05/2023

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
29	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class : 0.2s to 1, 5P, 10P, 15P)	Polarity	IS 16227 (Part 2, Clause 6.13.201)
30	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Winding Resistance	IEC 61869 (Part 1, Clause 7)
31	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Winding Resistance	IEC 61869 (Part 2, Clause 7)
32	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Winding Resistance	IEC 61869 (Part 4, Clause 7)
33	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Winding Resistance	IS 16227 (Part 2, Cl. No. 7.3)
34	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Measurement of Winding Resistance	IS 16227 (Part 4, Cl. No. 7.3)
35	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Polarity	IEC 61869 (Part 1, Clause 7)
36	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Polarity	IEC 61869 (Part 2, Clause 6.13.201)
37	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Polarity	IS 16227 (Part 1, Cl. No. 7.3)
38	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Polarity	IS 16227 (Part 4, Cl. No. 7.3)
39	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformer (Voltage: 0.4 kV to 220 kV Accuracy Class: 0.2s to 1, 5P, 10P, 15P)	Polarity	IS 2705 (Part 1, Clause 9.2)
40	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers (Protection) (LT, 0.415 kV to 220 kV) (5P, 10P, 15P) (1 A to 10,000 A)	Accuracy Limit Factor	IEC 61869 (Part 2, Clause 5.6, 7.5)
41	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers (Protection) (LT, 0.415 kV to 220 kV) (5P, 10P, 15P) (Primary current 1A to 10,000 A) (Class 0.2s to 1)	Accuracy Limit Factor	IEC 61869 (Part-2, Clause 5.6, 7.5)
42	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers (Protection) (LT, 0.415 kV to 220 kV) (5P, 10P, 15P) (Primary current 1A to 10,000 A) (Class 0.2s to 1)	Accuracy Limit Factor	IS 16227 (Part 2, Cl. 5.6, 7.5)
43	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers (Protection) (LT, 0.415 kV to 220 kV) (5P, 10P, 15P) (Primary current 1A to 10,000A) (Class 0.2s to 1)	Terminal Marking and Polarity	IS 2705 (Part 1, Cl. No. 9.1)
44	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(1 A to 10,000 A)	Measurement of Tan delta	IS 16227 (Part 1 & 2, Clause No. 7.4)
45	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(Primary Current 1A to 10,000A)	Winding Resistance Test	IEEE C57.13 (Cl. No. 8.4)

SCOPE OF ACCREDITATION

Laboratory Name :	AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9742	**Page No**	4 of 7
Validity	09/08/2021 to 08/08/2023	**Last Amended on**	26/05/2023

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
46	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Composite Error – Phase angle Error	IEC 61869-2 (Cl. 7.2.6.203, 7.3)
47	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Composite Error – Phase angle Error	IS 16227 (Part 1, Cl. No. 7.2, 7.3)
48	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Composite Error – Phase angle Error	IS 16227 (Part 2, (Cl. 7.2.6.203, 7.3.5.203))
49	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Composite Error – Ration Error	IEC 61869-2 (Cl. 7.2.6.203, 7.3.5.203)
50	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Composite Error – Ration Error	IS 16227 (Part 1, Cl. No. 7.2)
51	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Composite Error – Ration Error	IS 16227 (Part 2, (Cl. 7.2.6.203, 7.3.5.203))
52	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Instrument Security factor	IEC 61869-2 (Cl. 7.5)
53	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Instrument Security factor	IS 16227 (Part 1, Cl. No. 7.5)
54	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers - Metering & Protection (LT, 0.415 kV to 220 kV)(Class : 0.2s to 1) (5P,10P,15P)(Primary current 1 A to 10000 A)	Instrument Security factor	IS 16227 (Part 2, Cl. 7.5.2)
55	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P) (1 A to 10,000 A)	Measurement of Capacitance	IEC 61869 (Part 2, Clause 7.2)
56	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P) (Primary current 1A to 10,000A)	Terminal Marking and Polarity	IEC 61869-2 (Cl. 7.2)
57	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P) (Primary Current 1A to 10,000A)	Terminal Marking and Polarity	IEEE C57.13 (Cl. No. 8.3)
58	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P) (Primary Current 1A to 10,000A)	Terminal Marking and Polarity	IS 16227, Part 1 (Cl. 7.3.6)
59	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P) (Primary Current 1A to 10,000A)	Terminal Marking and Polarity	IS 16227, Part 2, (Cl.6.13.201)

SCOPE OF ACCREDITATION

Laboratory Name :	AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9742	**Page No**	5 of 7
Validity	09/08/2021 to 08/08/2023	**Last Amended on**	26/05/2023

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
60	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(1 A to 10,000 A)	Measurement of Capacitance	IS 16227 (Part 1 & 2, Clause No. 7.4)
61	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(Primary Current 1A to 10,000A)	(Accuracy Test for Phase angle error) Phase angle Error – According to the Requirement of Appropriate Accuracy Class	IEC 61869-2, Clause 7.2
62	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(Primary Current 1A to 10,000A)	(Accuracy Test for Phase angle error) Phase angle Error – According to the Requirement of Appropriate Accuracy Class	IS 16227 : Part 2 (Cl. No. 7.9)
63	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(Primary Current 1A to 10,000A)	(Accuracy Test) Error – According to the Requirement of Appropriate Accuracy Class	IEC 61869-2, (Cl. 7.2.6 & 7.3.5)
64	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(Primary Current 1A to 10,000A)	(Accuracy Test) Error – According to the Requirement of Appropriate Accuracy Class	IS 16227 : Part 1 (Cl. 7.2.6)
65	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P)(Primary Current 1A to 10,000A)	Winding Resistance Test	IEC 61869-2 (Cl. 7.2.6 & 7.3.5)
66	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (class :0.2s to 1) (5P,10P,15P)(Primary current 1A to 10,000A)	(Accuracy Test) Error – According to the Requirement of Appropriate Accuracy Class	IS 16227 : Part - 2, (Cl. 7.2.6 & 7.3.5)
67	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class :0.2s to 1) (5P, 10P, 15P) (1 A to 10,000 A)	Measurement of Tan delta	IEC 61869 (Part 2, Clause 7.2)
68	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class: 0.2s to 1) (5P,10P,15P)(Primary Current 1 A to 10,000 A)	Insulation Resistance Measurement	IEC 61869-2 (Cl. 7.2)
69	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class: 0.2s to 1) (5P,10P,15P)(Primary Current 1 A to 10,000 A)	Knee Voltage test	IEC 61869-2 (Cl. 7.3.203)
70	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class: 0.2s to 1) (5P,10P,15P)(Primary Current 1 A to 10,000 A)	Knee Voltage test	IEC 61869-2 (Cl. 7.3.203)
71	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class: 0.2s to 1) (5P,10P,15P)(Primary Current 1 A to 10,000 A)	Knee Voltage test	IS 16227 (Part 2, Cl. 7.3.203)
72	ELECTRICAL- INDUCTORS & TRANSFORMERS	Current Transformers -Metering & Protection (LT, 0.415 kV to 220 kV) (Class: 0.2s to 1) (5P,10P,15P)(Primary Current 1 A to 10,000 A)	Knee Voltage test	IS 16227 (Part 2, Cl. No. 7.3)

SCOPE OF ACCREDITATION

Laboratory Name :	AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9742	**Page No**	6 of 7
Validity	09/08/2021 to 08/08/2023	**Last Amended on**	26/05/2023

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
73	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IEC 61869 (Part 1, Clause 7)
74	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IEC 61869 (Part 3, Clause 7.2.6)
75	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IEC 61869 (Part 4, Clause 7)
76	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IS 16227 (Part 3, Cl. No. 7.3)
77	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for phase angle error)	IS 16227 (Part 4, Cl. No. 7.3)
78	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IEC 61869 (Part 3, Cl. No. 7.3)
79	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IEC 61869 (Part 3, Clause 7.2.6)
80	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IEC 61869 (Part 4, Clause 7)
81	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IS 16227 (Part 3, Cl. No. 7.3)

SCOPE OF ACCREDITATION

Laboratory Name :	AKRON ENERGY PRIVATE LIMITED, TESTING DIVISION, 5TH FLOOR, A-504, PRIVILION, AMBLI-BOPAL ROAD, S.G.HIGHWAY, AHMEDABAD, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-9742	**Page No**	7 of 7
Validity	09/08/2021 to 08/08/2023	**Last Amended on**	26/05/2023

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
82	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Determination of errors according to the requirements of appropriate accuracy class (Accuracy test for ratio error)	IS 16227 (Part 4, Clause No 7.3)
83	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Measurement of Winding Resistance	IEC 61869 (Part 3, Cl. No. 7.3)
84	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Accuracy Class: 0.2 Class to 1)	Measurement of Winding Resistance	IS 16227 (Part 3, Cl. No. 7.3)
85	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Range: 0.4 kV to 220 kV, Accuracy Class: 0.2 Class to 1)	Polarity	IS 16227 (Part 3, Clause 6.13.301)
86	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Range: 0.4 kV to 220 kV, Accuracy Class: 0.2 Class to 1)	Measurement of Tan Delta	IEC 61869 (Part 3, Clause 7)
87	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Range: 0.4 kV to 220 kV, Accuracy Class: 0.2 Class to 1)	Polarity	IEC 61869 (Part 3, Cl No 7.3)
88	ELECTRICAL- INDUCTORS & TRANSFORMERS	Potential Transformer (Range: 0.4 kV to 220 kV, Accuracy Class: 0.2 Class to 1)	Polarity	IS 16227 (Part 2, Clause 6.13)