National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	1 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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- CABLES & WIRES	Insulated cables and wires	Conductor Resistance test	IS 1554 (Pt -1) Cl 15.1 a) 4)
2	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Adhesion Test /Winding test on Galvanized steel strip for armoring	Amend No.3 to IS 1554 (part 1): Cl 15.1 b)2)iv)
3	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Adhesion Test /Winding test on Galvanized steel strip for armoring	Amend No.3 to IS 7098 (part 1) Cl 15.1 b)2)iv) Cl
4	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Adhesion Test /Winding test on Galvanized steel strip for armouring	IS 7098(2)
5	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Adhesion Test /Winding test on Galvanized steel strip for armouring	IS:10810(39)
6	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Adhesion Test /Winding test on Galvanized steel strip for armouring	IS:3975
7	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	AS/NZS 1429 (Part 1) (table 3.1)
8	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	BS 6622 Cl. No. 7, 12:
9	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	BS 7870 (Part 4, Section 4.10) + AMD 1 Cl. No. 4.2.3, 4.4
10	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	BS EN 60811 (Part 401) + AMD 1
11	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	IS 10810 (Part 11)
12	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.d.2:
13	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	IS 5831 + AMD 2:
14	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	IS 7098 (Part 1) + AMD 5 (Table 1, 15.1.d.ii, 15.1.e.ii)
15	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	IS 7098 (Part 2): (Table 1 & 3, 19.1.iii.b, 19.1.vi.b),20.9
16	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Ageing in Air Oven for Insulation / Sheath	IS 7098 (Part 3) + AMD 4 (Table 2, 19.1.b.III, 19.1.g.2.ii):

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	2 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
17	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Annealing on Copper	IS 10810 (Part 1)
18	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Annealing test (for Copper)	IS 8130 + AMD 1 Cl. No. 7.1.2
19	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Annealing Test For Copper	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.a.1, 15.2a
20	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Annealing Test For Copper	IS 7098 (Part 1) + AMD 5 Cl. No. 15.1.a.i, 15.2 a
21	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Annealing Test for Copper	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.i.a, 19.2a
22	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Annealing Test For Copper	IS 7098 (Part 3) + AMD 4 Cl. No. 19.1.a.I, 19.2.1.b, 19.2 a
23	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Bending test	Cl.18.2.4 of IEC:60502(Part-2) Cl.18.17 of IEC:60502 (Part-1)
24	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Bending test	AS/NZS 1429 CL 3.4 & Table 3.1 Test No. 9 d
25	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Bending test	Cl.12.4.3 of IEC:60840
26	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Bending test	IEC:62067: (cl.12.4.3)
27	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Bending test	IS:10810(50):
28	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Bending test	1. 20.3 of IS:7098 (Part-2) CL.20.11.1 and 20.11 of IS:7098-3
29	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend Test for Outer Sheath	IS 10810 (Part 20):
30	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend Test for Outer sheath	IS 1554 (Part 1): Cl 15.4a):
31	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend Test for Outer sheath	IS 5831 ,C l4.1,Table 2,vi):
32	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend Test for Outer sheath	IS 7098 (Part-1) Cl.15.4a):
33	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend test for PVC Insulation	IEC 60502-1 Table 16:
34	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend Test for PVC Insulation	IS 5831, Cl.4.1 Table1 ix):

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	3 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
35	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Bend Test for PVC Sheathing and Insulating Compounds	IEC 60811-1-4, Clause (8):
36	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold bend test for PVC sheathing compounds	IEC 60502-1 Table 19:
37	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Elongation Test on dumb-bells	IEC:62067 Table 5 a) & Table 9 a)
38	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Elongation Test on dumb-bells	IEC: 60502-2:Table 18 & table 21
39	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Elongation Test on dumb-bells	IEC:60840 Table 5 a) & Table 9 a)
40	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Impact Test / Test on PVC outer sheath at Low temperature	IEC:60502(2) of Table 18 & Table 21
41	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Impact Test / Test on PVC outer sheath at Low temperature	IEC:60840: Table 5 b) & Table 9 b
42	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Impact Test / Test on PVC outer sheath at Low temperature	IEC:62067: of Table 5 b) & Table 9 b)
43	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Impact Test / Test on PVC outer sheath at Low temperature	IS: 10810 - 21
44	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Impact Test / Test on PVC outer sheath at Low temperature	IEC:60502(1) of Table 16 & Table 19
45	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Cold Impact Test / Test on PVC outer sheath at Low temperature	IS:5831, Cl4.1 Table 2 viii)
46	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	IEC:62067 (Cl.10.5)
47	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	AS/NZS 1125
48	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	AS/NZS 1429:1 (Table 3.1)
49	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	BS 6622 (Cl. 17.3)
50	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	CL.10.5 of IEC:60840

SCOPE OF ACCREDITATION

Laboratory Name : "HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6474 **Page No** 4 of 23

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 29/01/2022

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
51	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	Cl.15.2 of IEC:60502(Part-1)
52	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	Cl.16.2 of IEC:60502 (Part- 2)
53	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	IEC:60228
54	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor Resistance test	IS 7098 (Pt -1) Cl 15.1 a) iv).15.2.d, 15.3.a
55	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	IS:10810(5)
56	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	IS:7098(2) (Cl.19.1.1 table 1 d)
57	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	IS:7098(3) (Cl.19.2.1 a & Amendment No. 3 - Cl. 19.1 a)
58	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Conductor resistance test	IS:8130
59	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	AS/NZS 1429.1. Table 3.1 Test No. 5 & 8
60	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	Cl.17.7 of IEC:60502(Part-2)
61	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	IS 7098(3) Cl. 19.1 Si. No. f) i) Ref. of CL 20.6
62	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	Table -5 & 6 of IS:1554 (Pt-1)
63	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed Wire & Tapes.	Table -6 of IS:7098 (Pt-2)
64	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, formed wire & Tapes.	Cl.16.7 of IEC:60502 (Part-1)
65	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	IS: 10810 Part 36
66	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	IS:3975
67	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Dimensions of Armoring Round Wire, Formed wire & Tapes.	AS/NZS 1660.1.
68	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Electrical test (DC Voltage Test) on Over sheath of cable	IEC:60840 (CL. 9.4)
69	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Electrical test (DC Voltage Test) on Over sheath of cable	IS:7098(PART 3)

SCOPE OF ACCREDITATION

Laboratory Name : "HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6474 **Page No** 5 of 23

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 29/01/2022

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
70	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Electrical test (DC Voltage Test) on Over sheath of cable	IEC:60502(2) (CL. 20.2)
71	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Electrical test (DC Voltage Test) on Over sheath of cable	IEC:62067 (cL.9.4)
72	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame retardant on single cable	IS 1554 (Part 1)+ AMD 5 Cl No. 16.6, 15.1.1
73	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame retardant on single cable	IS 7098 (Part 1) + AMD 5 Cl No. 16.10, 15.1.1
74	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IEC 60502 (Part 1) Cl No. 18.14.2
75	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IEC:60332-3-22
76	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IEC:60332-3-23
77	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IEC:60332-3-24
78	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IEC:60332-3-25
79	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IS 10810 (Part 62)
80	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IS 1554 (Part 1) + AMD 5 Cl No. 16.7, 15.1.1
81	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IS 7098 (Part 1) + AMD 5 Cl No. 16.11, 15.1.1
82	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on bunched cables.	IS 7098 (Part 2) + AMD 1 Cl No. 20.12, 19.2.2:
83	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on Single Cable	IS 10810 (Part 61) + AMD 1
84	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on Single Cable	IS 7098 (Part 2)+ AMD 1 Cl No. 20.11, 19.2.2
85	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on Single Cable / Flame spread test on single cables	IEC:60332-3-21
86	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Retardant Test on Single Cable / Flame spread test on single cables	IEC:60502(1)
87	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flame Spread test on single cable	IEC 60502 (Part 1) Cl. No. 18.14.1

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	6 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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- CABLES & WIRES	Insulated cables and wires	Flame spread test on single cables	IEC 60502 (Part 2) Cl. No.19.16
89	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flammability	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.h, 16.4
90	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flammability	IS 7098 (Part 1) + AMD 5 Cl. No. 16.3, 15.1.h:
91	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flammability test on Single Vertical Cable	IS 7098 (Part 2)+ AMD 1 Cl. No. 19.1.xv, 20.8:
92	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Flammability test on Single Vertical Cable	IS: 10810-53
93	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat Shock on PVC sheaths (resistance of PVC sheaths to cracking)	IS: 10810 -14
94	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat Shock on PVC sheaths (resistance of PVC sheaths to cracking)	IS 5831, Table 2 (V)
95	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	IEC:60811-509
96	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	CL.12.5.8 of IEC:60840/ IEC:60811-3-1, Table - 9 of IEC:60840
97	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	Cl.12.5.8 of IEC:62067, IEC:60811-3-1, Table -9 of IEC:62067
98	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	Cl.18.9 of IEC:60502(Part-1) IEC: 60811-3-1 Table-16 & 19 of IEC:60502(Part-1)
99	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	Cl.18.9 of IEC:60502(Part-1) IEC: 60811-3-1 Table-16 & 19 of IEC:60502(Part-1)
100	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	CL.19.11 of IEC:60502(Part-2) IEC:60811-509, Table - 21 of IEC:60502(Part-2)
101	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	IS:7098(2): Cl. 19.1 Si No. vi) f) IS 5831
102	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat shock test (PVC Outer sheaths type ST-1 and ST -2)	IS:7098(3): Cl. 19.1 Si No. g) iv) IS 5831:
103	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat Shock Test for PVC Insulation	IS 1554 Part 1 Cl 15.1 d)6)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	7 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
104	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heat Shock Test for PVC Insulation	IS 5831: cl 4.1 Table 1 vii)
105	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	IEC-60502-2 (CL. 18.2.7)
106	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	IS:10810(Part 49)
107	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	AS/NZS 1429.1 (Section 3 Cl. 3.7)
108	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	IEC 62067 (CL. 12.4.4& 12.4.6)
109	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	IEC-60840 (Cl. 12.4.4 & 12.4.6)
110	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	IS 7098 (PART-2) (CL.20.5)
111	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Heating Cycle Voltage Test / Load Cycle voltage Test/Heat cycle Test.	IS 7098 (PART -3) (CL.20.14)
112	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	High voltage test(water immersion test)	IS 1554 P1:Cl 15.1.f,16.3
113	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IS:7098(3) Cl. 19.1.g ,3.1 & Sl. No. g) v) IS 5831
114	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IEC: 60811-508
115	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	CL.12.5.6 of IEC:62067, IEC:60811-3-1, Table -7 of IEC:62067
116	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	Cl.12.5.6 of IEC:60840 & IEC:60811-3-1
117	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	CL.19.9 of IEC:60502(Part-2)
118	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IEC:60811-3-1
119	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IS: 10810(Part-15)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	8 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
120	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IS:7098(2) Cl.No.19.1 Si. No. VI) d) , IS 5831 or Table 3
121	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IS 1554(1):,Cl.15.1 d)4
122	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test (For PE Type sheath & PVC Sheath)	IS 5831: Cl 4.1 Table 2 iv)
123	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot deformation test(For PE Type sheath & PVC Sheath)	IS 7098(1): Cl.15.1 e)v
124	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set Test	BS 6622 Cl No 7, 18.6
125	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set Test	IEC 62067 Cl. No. 10.9, 12.5.10
126	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	AS/NZS 1429
127	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IEC 60502 (Part 1)Cl. No. 16.9&18.11, Table-17
128	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IEC 60502 (Part 2) Cl. No.17.10, 19.13,Table 14, 17, 22:
129	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IEC 60840 Cl. No. 10.9 & 12.5.10
130	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IEC 62067 Cl. No. 10.9, 12.5.10:
131	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IEC: 60811-507
132	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IS 10810 (Part 30)
133	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IS 7098 (Part 1) + AMD 5 (Table 1, 15.1.d.iii, 15.2.f)
134	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IS 7098 (Part 2)+ AMD 1 (Table 1, 19.1.i.d, 19.2.f:
135	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Hot set test (XLPE Insulation)	IS 7098 (Part 3) + AMD 4 (Table 2, 19.1.b.IV, 19.2.1.d, Table 1
136	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Impulse Test for cables	IS:10810(47)
137	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation Resistance constant	AS/NZS 1660 (Method 3) + AMD 1

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	9 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
138	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation Resistance constant	AS/NZS:1429 (Part 1) (Table 3.1)
139	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation Resistance constant of Over sheath	BS 6622 Cl. No. 7, 12, 19.3
140	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation Resistance Test	IS 1554 P1 Cl.15.1 e, Cl. 15.2.g
141	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation resistance test at ambient temperature and Insulation resistance test at maximum temperature (volume resistivity)	IEC 60502 (Part 1) Cl. No. 17.1 & 17.2, Table- 13
142	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation resistance test at ambient temperature and Insulation resistance test at maximum temperature (volume resistivity)	IS: 5831 Cl4.1Table 1 i)
143	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation resistance test at ambient temperature and Insulation resistance test at maximum temperature (volume resistivity)	IEC 60502 (Part 2) Cl. No. 18.3.2 & 18.3.3
144	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation resistance test at ambient temperature and Insulation resistance test at maximum temperature (volume resistivity)	IS 7098 (Part 1) + AMD 5 (Table 1) Cl. No. 15.1.f, 15.2.i
145	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation resistance test at ambient temperature and Insulation resistance test at maximum temperature (volume resistivity)	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.xi, 19.2.k, Table 1
146	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Insulation resistance test at ambient temperature and Insulation resistance test at maximum temperature (volume resistivity)	IS: 10810 - 43
147	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightening Impulse Test for cables	IEC 60230:
148	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	IEC-60502(2)
149	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	IEC:60502(1)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	10 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
150	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	AS/NZS 1429
151	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	IEC 60840 Cl. No.10.12 & 12.4.7.2
152	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	IS 7098 (PART -3)
153	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	IS 7098 (PART-2)
154	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Lightning Impulse Voltage Test for cables	IEC 62067 Cl. No. 10.12 & 12.4
155	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of mass in air oven for PVC Insulation	IS1554 P1: Cl 15.1 d) 5)
156	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of mass in air oven Test on PVC Insulation	IS 5831 Cl 4.1 Table 1 v)
157	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of mass Test on PVC outer Sheath	IS:7098 (Part-2)
158	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	BS 6622 CL. NO.12, 19.8
159	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of mass Test on PVC outer Sheath	BS 7835 CL. NO. 13
160	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	BS 7870 (Part 1) (table B2)
161	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	BS EN 10244(Part 2)
162	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	BS EN 60811 (Part 409)
163	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IEC 60502 (Part 1) CL. NO.18.6
164	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IEC 60502 (Part 2) Cl. No. 19.8
165	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IEC 60840 CL. NO. 12.5.5
166	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IEC 62067 CL. NO. 12.5.5
167	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IS 1554 (Part 1) + AMD 5 CL. NO. 15.1.d.5
168	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IS 5831

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	11 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
169	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IS 7098 (Part 1) + AMD 5 CL. NO. 15.1.e.iii
170	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IS:10810 / Part 10
171	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Loss of Mass test on PVC outer sheath	IS:7098 (Part-3)
172	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Mass of Zinc coating	IS:3975
173	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Mass of Zinc coating	BS 7835 Cl. No. 20.9
174	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Mass of Zinc coating	IS 7098 (Part 1) + AMD 5 Cl. No. 13.6 f, 15.1.b
175	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Mass of Zinc coating of galvanized wires & strips	IS 7098(2)
176	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Mass of Zinc coating of Galvanized Wires & Strips	IS: 10810(41)
177	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Mass of zinc coating of Galvanizes wire & strips	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.b
178	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Capacitance	IEC 60840 Cl. No. 10.10
179	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Capacitance	IEC 62067 Cl No 10.10
180	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Capacitance	IS 7098 (Part 3) + AMD 4 Cl. No. 20.18, 19.2.1.k, 20.13
181	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Capacitance	IS 7098 part 2
182	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Capacitance	IS 10810 (Part 48)
183	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IEC:60811-605
184	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IEC:60840
185	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IEC:62067 Cl. No.12.5.12, Annexure E:
186	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IS:10810-32
187	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	AS/NZS:1429 (Part 1)

SCOPE OF ACCREDITATION

Laboratory Name : "HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6474 **Page No** 12 of 23

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 29/01/2022

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
188	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	AS/NZS:3808 + AMD 2
189	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IEC 60502 (Part 2) Cl. No. 19.17
190	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IEC 60502-1 Cl. No. 18.15:
191	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IEC 60840 Cl. No. 12.5.12, Annexure E:
192	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IS 7098 (Part 2) + AMD 1 Cl. No. Table 3, 19.1.vi.h
193	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of carbon black content of black PE sheaths	IS 7098 (Part 3) + AMD 4 Cl. No. 8.3, 19.1.g.3.i
194	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Density of HDPE & MDPE insulation	IEC:60840
195	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of Density of HDPE & MDPE insulation	IEC:62067
196	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IEC:60502(Part-2)
197	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IEC:62067
198	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	BS 7870 (Part 2) Cl No. 2.1.3.1
199	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IEC 60502 (Part 1) Cl No. 16.8
200	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IEC:60811-203
201	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IEC:60840
202	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IS 1554 part 1
203	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IS 7098 part 2
204	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of external diameter	IS 7098 Part-1
205	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IEC:60502(Part-1)
206	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IEC:60811-1-1

SCOPE OF ACCREDITATION

Laboratory Name : "HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6474 **Page No** 13 of 23

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 29/01/2022

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
207	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IEC:60811-201/202
208	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IEC:60840
209	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IEC:62067
210	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IS: 7098 (Pt-3)
211	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IS:10810-6
212	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IS:7098 (Pt-2)
213	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IS:7098(Pt-1)
214	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	AS/NZS 1429
215	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	AS/NZS 1660
216	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IEC:60502(Part-2)
217	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness for insulation and cable sheath	IS:1554(Pt-1)
218	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	AS / NZS 1429 (Part 1) Table 3.1(7) cl 2.9.2.4:
219	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	AS/NZS 1660 (Part 1) Cl. No. 5.1:
220	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	BS 7870 (2) Cl. 2.1.5
221	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	IEC:60502(Part-2)
222	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	IEC:60840
223	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	IEC:62067
224	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	IS 10810 (Part 34)
225	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	IS 7098 (Part 3) + AMD 4 Cl. No. 20.5, 19.1.e, 19.2.1.f

SCOPE OF ACCREDITATION

Laboratory Name : "HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6474 **Page No** 14 of 23

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 29/01/2022

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
226	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	IS7098(3)
227	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Measurement of thickness of metal sheath	AS/NZS 1429 (Part 1) Cl. No. 2.9.2.4
228	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Oxygen Index Test	ASTM D 2863
229	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Oxygen Index Test	IS 10810(58)
230	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Oxygen Index Test	IS 1554 (Part 1) + AMD 5 Cl. No. 16.5, 15.1.1
231	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Oxygen Index Test	IS 7098 (Part 1) + AMD 5 Cl. No. 16.9, 15.1.1,15.2.1
232	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Oxygen Index Test	IS 7098(2)
233	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	IS:10810(46)
234	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	AS/NZS 1429
235	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	BS:6622
236	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	IEC 62067
237	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	IEC-60840
238	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	IS 7098 (PART -3)
239	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	IEC-60502-(2)
240	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Partial Discharge Test	IS 7098 (PART-2)
241	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	PH & Conductivity	IEC: 60754(2)
242	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistance test for armour (other than mining cable)	IS :7098 (Part 1),Cl13.5.1,15.4 c) Table 7
243	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistance test for armour (other than mining cable)	IS:1554(Part 1) Cl15.4 c)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	15 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
244	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	AS/NZS 1429
245	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	AS/NZS 1660
246	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	IEC:60502(2)
247	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	IEC:60840
248	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	IEC:62067
249	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	IS:7098(2)
250	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity of semi-conducting screen/Volume Resistivity of extruded screen	IS:7098(3)
251	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity test of Armour wire & Strips	IS 1554 (Part 1) + AMD 5 Cl.No. 13.6.g
252	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity test of Armour wire & Strips	IS 7098(2)
253	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity test of Armour wire & Strips	IS 7098:(3)
254	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity test of Armour wire & Strips	IS:3975
255	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity test of Armour wire & Strips & Conductance test on Armour wire & Strips	IS 10810(42)
256	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Resistivity test of Armour wire & Strips	IS 7098(Part 1) + AMD 5 Cl. No. 13.5, 15.1.b, 15.3.c, 15.4.c,Table 6
257	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage Test	IEC:60502(1)
258	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage Test	IS:10810-12

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA
Accreditation Standard	ISO/IEC 17025:2017
Certificate Number	TC-6474
Page No	16 of 23
Validity	03/11/2021 to 02/11/2023
Last Amended on	29/01/2022

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
259	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IEC:60811-1-3
260	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IEC:60840
261	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IEC:60502(2)
262	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IEC:60840
263	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.d.3:
264	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IS 5831 + AMD 2:
265	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IS 7098 (Part 1) + AMD 5, CL no. 15.1.e.iv
266	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IS:7098-(Part-2)
267	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IS:7098-3
268	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage of Outer / Over sheath	IEC: 60811-503
269	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for PVC insulation	IS 1554(1) amd. 5
270	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for PVC insulation	IS 5831:Cl.4.1 Table1 viii)
271	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	AS/NZS 1429
272	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	AS/NZS 1660
273	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IEC 60502 (Part 2) Cl. No.19.18
274	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IEC 60840 Cl. No. 12.5.16
275	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IEC:60811-1-3
276	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IS 7098 (Part 1) + AMD 5, CL no. 15.1.d.iv, Table 1:
277	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IEC 60811 (Part 502)

SCOPE OF ACCREDITATION

Laboratory Name : "HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-6474 **Page No** 17 of 23

Validity 03/11/2021 to 02/11/2023 **Last Amended on** 29/01/2022

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
278	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IEC:60502(Part-1)
279	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IS:7098 (Part-3)
280	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test for XLPE insulation	IS:7098(Part-2)
281	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Shrinkage test Outer sheath	IS 7098 (Part 1) + AMD 5, CL no. 15.1.e.iv:
282	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Smoke Density Test	ASTM D 2843
283	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Smoke Density Test	IS 10810 (Part 63)
284	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Smoke Density Test	IS 7098(2)
285	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Smoke emission	IEC 60502 (Part 1) Cl. No. 18.14.3
286	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Strippability test for Strippable Semiconducting Insulation Screen	AS/NZS 1660 (Part 2, Section 5): + AMD 2
287	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Strippability test for Strippable Semiconducting Insulation Screen	BS 6622 Cl. No.18.9.2 & 19.5, table 13, Annexure I
288	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Strippability test for Strippable Semiconducting Insulation Screen.	AS/NZS 1429 (Part 1) Cl. No. 2.4.3,Table 3.1, 4b, 4c
289	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Strippability test for Strippable Semiconducting Insulation Screen.	IEC 60502 (Part 2) Cl. No. 19.23
290	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Strippability test for Strippable Semiconducting Insulation Screen.	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.v.a, Table 2
291	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	AS/NZS 1429
292	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	IS 7098 (PART -3)
293	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	BS 6622 Cl. No. 20.4 & 20.5
294	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	IEC 60840 Cl. No. 12.4.5

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	18 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
295	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	IEC 62067 Cl. No. 12.4.5
296	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	IS 7098 (PART-2)
297	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tan Delta Measurement	IEC 60502 (Part 2) Cl. No. 18.2.6
298	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Temperature Index Test	ASTM D 2863:
299	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Temperature Index Test	IS 10810(64)
300	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Temperature Index Test	IS 1554 (Part 1) + AMD 5 Cl. No. 16.10, 15.1.1
301	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Temperature Index Test	IS 7098 (Part 1) + AMD 5 Cl. No. 16.14, 15.1.1:
302	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Temperature Index Test	IS 7098 (Part 2) + AMD 1 Cl. No. 20.15,19.1.3
303	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of armoring material	IS 7098 (Part 3) + AMD 4 Cl. No. 19.1.f.ii
304	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of armoring material	IS: 10810 (37)
305	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of armoring material	IS:3975 Table 5
306	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of armouring material	IS 7098 (Part 1) + AMD 5 Cl. No. 13.6 a & b, 15.1.b:
307	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of armouring material	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.ii
308	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of armouring material	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.b
309	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Cl 19.1.b. 1,2 & 19.1.g3 & 19.1.5 ii & 8.3 of IS: 7098 (Pt-3)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	19 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
310	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Cl. 19.6 & CL.19.5 & Table-17 & Table - 20 of IEC:60502(Part-2)
311	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Cl.12.5.2 & Table -6 & Cl.12.5.3 & Table -7 of IEC:62067
312	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Cl.12.5.2 & Table -6 & Cl.12.5.3 & Cl.12.5.4.5 & Table -7 of IEC:60840
313	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Cl.18.3 & Table-15 of IEC:60502(Part-1)
314	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	IEC: 60811-1-1
315	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	IEC:60811-1-2
316	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	IS 5831 Table 1 & 2
317	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	IS:10810(7)
318	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Table -1& 3 of IS:7098 (Pt-2)
319	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile strength and Elongation at break of insulation and sheath before and after ageing.	Table 3.1 Test NO.9 k of AS/NZS 1429.1
320	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile test (for Aluminum)	cl.2.1 of AS/NZS:1429.1

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	20 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
321	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile test (for Aluminum)	cl.2.11 of AS/NZ:1125
322	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile test (for Aluminum)	cl.7.2.3 of IS:8130
323	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile test (for Aluminum)	IS:10810(2)
324	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile test (for Aluminum)	IS:7098(Part 1) Cl 15,15.1,a),ii), 15.2.b
325	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Tensile test(for aluminium)	IS:1554(Part 1) Cl.15 a) 2)
326	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	Cl. 10.6.2 of IEC:60840
327	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	Cl. 10.6.2 of IEC:62067
328	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	CL. 17.5.2 of IEC:60502
329	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	Cl.12 & Annexure-A of IS:7098-2
330	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	Cl.18.7.2 of AS/NZS 1429.1.
331	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	cl.18.7.2 of BS 6622
332	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for eccentricity / Concentricity of insulation	cl.20.16.2 of IS 7098(Part-3)
333	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for concentric copper wire / Tape /Metallic Screen. (Resistivity test)	Cl.19.1 Si. No. f ofIS:7098-3
334	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for concentric copper wire / Tape /Metallic Screen.(Dimension)	Cl. 19.1 Si. No. f) i) Ref. of CL20.6 of IS 7098(3)
335	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for Halogen Acid gas evolution / HCL acid Gas Generation Test	Cl. 20.13 of IS 7098(2)
336	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for Halogen Acid gas evolution / HCL acid Gas Generation Test	IEC 60754(1)
337	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for Halogen Acid gas evolution / HCL acid Gas Generation Test	IS 10810(59)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	21 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
338	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for Ovality	Cl. 12.4 & 1.4 ,Annex A (A-2) of IS 7098(2)
339	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Test for Ovality	Cl. 20.16.3 of IS 7098(3)
340	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Insulation & sheath	IS: 10810 - (60)
341	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal Stability Test On PVC Insulation	IS 5831, Cl 4.1 Table 1 xiii)
342	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Insulation & Sheath	IS 1554 P1 Cl15.1 d)7)
343	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Type sheath	Cl. 19.19 of IEC:60502(2)
344	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Type sheath	Cl.19.1 Si. No. g) vii) of IS:7098(3)
345	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Type sheath	Cl.19.1 Sl.No vi) g) of IS 7098(2)
346	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Type sheath	IEC:60811-3-2 part -3 Section 2
347	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thermal stability test on PVC Type sheath	IS:5831 Cl 4.1 Table 2 xi)
348	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thickness of Metallic sheath	CL.20.5 of IS 7098(Part-3)
349	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Thickness of Metallic sheath	IS: 10810 -34
350	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Torsion test on Galvanized steel wire for armoring	Cl. No 19.1 Si.No. ii) Cl. 7 , Table 6 of IS 7098(2)
351	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Torsion test on Galvanized steel wire for armoring	IS 1554(1) Cl 15.1 b)2)iii)
352	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Torsion test on Galvanized steel wire for armoring	IS 7098(1) cl15.1 b)
353	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Torsion test on Galvanized steel wire for armouring	IS 10810(38)
354	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Torsion test on Galvanized steel wire for armouring	IS:3975
355	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Uniformity of Zinc coating	Amend No.3 to IS 1554 (part 1) Cl.15.1 b)v)
356	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Uniformity of Zinc coating	Amend No.3 to IS 7098 (part 1): Cl.15.1 b)v)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	22 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
357	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Uniformity of Zinc coating	Cl. 19 , Table SI ii of IS 7098(2)
358	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Uniformity of Zinc coating	IS: 10810 (40)
359	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Uniformity of Zinc coating	IS:3975
360	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	UV TEST(Accelerated ageing through day light & humidity condition)	ASTM G 154
361	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	BS:6622
362	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IEC 62067
363	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IEC-60502-2
364	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	AS/NZS 1429
365	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IEC-60840
366	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IEC:60502(1) Table 16 & Table 19:
367	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IS 1554 (Part 1) + AMD 5 Cl. No. 15.1.g, 15.2.h, 15.3.b, 16.2
368	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IS 7098 (PART-2)
369	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IS 7098 (PART -3)
370	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IS 7098 (Part 1) + AMD 5 Cl. No. 16.2, 15.3.b, 15.2.h, 15.1.g
371	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Voltage Test / High Voltage Test	IS:10810(45)
372	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Absorption Test on XLPE Insulation (Gravimetric)	IEC 60502 (Part 2) Cl. No. 19.15
373	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Absorption Test on XLPE Insulation (Gravimetric)	IEC 60502-1 Cl. No. 18.13
374	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Absorption Test on XLPE Insulation (Gravimetric)	IS 10810(33)

SCOPE OF ACCREDITATION

Laboratory Name :	"HV / EHV TEST LABORATORY"KEC INTERNATIONAL LIMITED, PLOT NO. 803 SAMALAYA SAVLI ROAD, VILLAGE GODAMPURA, VADODARA, GUJARAT, INDIA		
Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-6474	**Page No**	23 of 23
Validity	03/11/2021 to 02/11/2023	**Last Amended on**	29/01/2022

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
375	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Absorption Test on XLPE Insulation (Gravimetric)	IS 7098 (Part 2)+ AMD 1 (Table1, Cl No. 19.1.iii.f)
376	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Penetration Test / Water Tightness Test	IEC 62067
377	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Penetration Test / Water Tightness Test.	AS/NZS 1429
378	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Penetration Test / Water Tightness Test.	IEC:62067
379	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Penetration Test / Water Tightness Test.	IEC:60502(2)
380	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Penetration Test / Water Tightness Test.	IEC:60840
381	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Water Penetration Test / Water Tightness Test.	IS:7098(3)
382	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	AS/NZ:1125
383	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	AS/NZS:1429
384	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	IS 7098 (Part 1) + AMD 5 Cl.No. 15.2 c, 15.1.a.iii:
385	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	IS:10810(3)
386	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	IS:8130
387	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	IS 1554 (Part 1) + AMD 5 Cl.No. 15.1.a.3, 15.2 c
388	ELECTRICAL- CABLES & WIRES	Insulated cables and wires	Wrapping test (for Aluminum)	IS 7098 (Part 2) + AMD 1 Cl. No. 19.1.i.c, 19.2 c