National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : VIN POWER ELECTRO PRODUCT, H-413A, H-413B, SARNA DUNGAR INDUSTRIAL AREA, SARNA DUNGER, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 1 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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	Aerial Bunched Cables for Working voltages upto and including 1100 V	Bending Test on Completed Cable	IS 14255 (Clause 10.4)
2	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Breaking Load of Messenger	IS 14255 (Clause 10 b)
3	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Carbon Black Test	IS 14255 (Clause 10 c) vi) 1), IS 10810 (Part 32)
4	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Conductor Resistance Test	IS 14255 (Clause 10 a) iii), IS 10810 (Part 5)
5	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Elongation test of Messenger	IS 14255 (Clause 10 b) ii
6	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Elongation test of XLPE Insulation After Aging	IS 14255 (Clause 10 c) i), IS 10810 (Part 7)
7	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Elongation test of XLPE Insulation Before Aging	IS 14255 (Clause 10 c) i), IS 10810 (Part 7)
8	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	High Voltage (Room Temp.)	IS 14255 (Clause 10 g), IS 10810 (Part 45)
9	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Hot Set Test of Insulation	IS 14255 (Clause 10 c) iii), IS 10810 (Part 30)
10	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Insulation Resistance Constant (At Room Temperature)	IS 14255 (Clause 10 f), IS 10810 (Part 43)
11	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Lay Ratio	IS 14255 (Clause 9.1)
12	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Resistance test of Messenger	IS 14255 (Clause 10 b) iii)
13	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Shrinkage test of XLPE Insulation	IS 14255 (Clause 10 c) iv), IS 10810 (Part 12)
14	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Tensile Test for Aluminum	IS 14255 (Clause 10 a) i), IS 10810 (Part 2)
15	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Tensile test of XLPE Insulation After Aging	IS 14255 (Clause 10 c) i), IS 10810 (Part 7)
16	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Tensile test of XLPE Insulation Before Aging	IS 14255 (Clause 10 c) i), IS 10810 (Part 7)
17	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Thickness of Insulation	IS 14255 (Clause 10 e), IS 10810 (Part 6)
18	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Water absorption (Gravimetric)	IS 14255 (Clause 10 c) v), IS 10810 (Part 33)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 2 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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19	ELECTRICAL- CABLES & WIRES	Aerial Bunched Cables for Working voltages upto and including 1100 V	Wrapping Test for Aluminum	IS 14255 (Clause 10 a) ii), IS 10810 (Part 3)
20	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Adhesion Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 3975
21	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Annealing Test for Copper	IS 7098 (Part 1, Clause 15.1 a) i), IS 10810 (Part 1)
22	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Armoring Coverage	IS 7098 (Part 1) Amendment 5, Appendix C
23	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Armour Resistance	IS 7098 (Part 1, Clause 15.3 c) IS 10810 (Part 42)
24	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Carbon Black Content	10810 (Part 32)
25	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Cold Bend Test	IS 7098 (Part 1, Clause 15.4 a), IS 10810 (Part 20)
26	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Cold Impact Test	IS 7098 (Part 1, Clause 15.4 b), IS 10810 (Part 21)
27	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Conductor Resistance Test	IS 7098 (Part 1, Clause 15.1 a) iv), IS 10810 (Part 5)
28	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Determination of the amount of Halogen Acid gas evolved during combustion of Polymeric materials taken from cable (HCL Test)	IS 7098 (part-1)15.1.1,16.13 IS 10810 (Part-59)
29	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Dimensions of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 36)
30	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Elongation of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 37)
31	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Elongation test of Insulation After Aging	IS 7098 (Part 1, Clause 15.1 d) ii), IS 10810 (Part 7)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 3 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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32	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Elongation test of Insulation Before Aging	IS 7098 (Part 1, Clause 15.1 d) i), IS 10810 (Part 7)
33	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Elongation test of Sheath After Aging	IS 7098 (Part 1, Clause 15.1 e) ii), IS 10810 (Part 7)
34	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Elongation test of Sheath Before Aging	IS 7098 (Part 1, Clause 15.1 e) i), IS 10810 (Part 7)
35	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Fire Retardance	IS 7098(PT-I)16.1 IS 10810 (Part-61)
36	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Flammability Test	IS 7098 (Part 1, Clause 15.1 h), IS 10810 (Part 53)
37	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Heat shock test of Sheath	IS 7098 (Part 1, Clause 15.1 e) vi), IS 10810 (Part 14)
38	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	High Voltage (Room Temp.)	IS 7098 (Part 1, Clause 15.1 g), IS 10810 (Part 45)
39	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Hot Deformation test of Sheath	IS 7098 (Part 1, Clause 15.1 e) v), IS 10810 (Part 15)
40	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Hot Set Test of Insulation	IS 7098 (Part 1, Clause 15.1 d) iii), IS 10810 (Part 30)
41	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Insulation Resistance Constant (At Room Temperature)	IS 7098 (Part 1, Clause 15.1 f), IS 10810 (Part 43)
42	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Loss of mass test of Sheath	IS 7098 (Part 1, Clause 15.1 e) iii), IS 10810 (Part 10)
43	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Mass of Zinc coating of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 41)
44	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Oxygen Index	IS 7098(PT -1) 16.9 IS 10810 (Part-58)
45	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Resistivity Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 42)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 4 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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46	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Shrinkage test of Insulation	IS 7098 (Part 1, Clause 15.1 d) iv), IS 10810 (Part 12)
47	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Shrinkage test of Sheath	IS 7098 (Part 1, Clause 15.1 e) iv), IS 10810 (Part 12)
48	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Smoke Density	ASTMD 2843
49	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Temperature Index	IS 7098 PART-I 16.14 IS 10810 (Part 64)
50	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Tensile Strength of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 37)
51	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Tensile Test for Aluminum	IS 7098 (Part 1, Clause 15.1 a) ii), IS 10810 (Part 2)
52	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Tensile test of Insulation After Aging	IS 7098 (Part 1, Clause 15.1 d)ii), IS 10810 (Part 7)
53	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Tensile test of Insulation Before Aging	IS 7098 (Part 1, Clause 15.1 d) i), IS 10810 (Part 7)
54	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Tensile test of Sheath After Aging	IS 7098 (Part 1, Clause 15.1 e) ii), IS 10810 (Part 7)
55	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Tensile test of Sheath Before Aging	IS 7098 (Part 1, Clause 15.1 e) i), IS 10810 (Part 7)
56	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Thermal stability test of Sheath	IS 7098 (Part 1, Clause 15.1 e) vii), IS 10810 (Part 60)
57	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Thickness of Insulation	IS 7098 (Part 1, Clause 15.1 c), IS 10810 (Part 6)
58	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Thickness of Sheath & Overall Diameter	IS 7098 (Part 1, Clause 15.1 c), IS 10810 (Part 6)
59	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Torsion Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 38)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 5 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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60	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Uniformity of Zinc coating of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 40)
61	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Water absorption (Gravimetric)	IS 7098 (Part 1, Clause 15.1 d) v), IS 10810 (Part 33)
62	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Winding Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 10810 (Part 39)
63	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Wrapping Test for Aluminum	IS 7098 (Part 1, Clause 15.1 a) iii), IS 10810 (Part 3)
64	ELECTRICAL- CABLES & WIRES	Cross Linked Polyethylene Insulated Thermoplastic Sheathed Cables for Working voltages upto and including 1100 V	Wrapping Test of Armoring	IS 7098 (Part 1, Clause 15.1 b), IS 3975
65	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Additional Ageing Test (OU cable Only)	IS 694 (Clause Table 1 iii) e) 6)
66	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Annealing Test for Copper	IS 694 (Clause Table 1 iii) a) 1), IS 10810 (Part 1)
67	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Cold Bend Test	IS 694 (Clause Table 1 iii) c) 8), IS 10810 (Part 20)
68	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Cold Impact Test	IS 694 (Clause Table 1 iii) c) 9), IS 10810 (Part 21)
69	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Conductor Resistance Test	IS 694 (Clause Table 1 iii) a) 4), IS 10810 (Part 5)
70	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Determination of the amount of Halogen Acid gas evolved during combustion of Polymeric materials taken from cable (HCL Test)	IS 1554(PT-I) 15.2.1,D IS 10810 (Part-59):
71	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Durability & Legibility of Marking	IS 694 (Clause 11.1 & 11.2)
72	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Elongation test of Insulation After Aging	IS 10810 (Part-7)

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 6 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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73	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Elongation test of Insulation Before Aging	IS 694 (Clause Table 1 iii) c) 1), IS 10810 (Part 7)
74	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Elongation test of Sheath After Aging	IS 694 (Clause Table 1 iii) c) 3), IS 10810 (Part 7)
75	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Elongation test of Sheath Before Aging	IS 694 (Clause Table 1 iii) c) 1), IS 10810 (Part 7)
76	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Fire Retardance	IS 694 10.7 IS 10810 (Part-64)
77	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Flammability Test	IS 694 (Clause Table 1 iii) e) 5), IS 10810 (Part 53)
78	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Heat shock test of Insulation	IS 694 (Clause Table 1 iii) C) 5), IS 10810 (Part-14)
79	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Heat shock test of Sheath	IS 694 (Clause Table 1 iii) D) 5), IS 10810 (Part-14)
80	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	High Voltage (Room Temp.)	IS 694 (Clause Table 1 iii) e) 4), IS 10810 (Part 45)
81	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	High Voltage (Water Immersion)	IS 694 (Clause Table 1 iii) e) 1), IS 10810 (Part 45)
82	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Hot Deformation test of Insulation	IS 694 (Clause Table 1 iii) c) 6), IS 10810 (Part 15)
83	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Hot Deformation test of Sheath	IS 694 (Clause Table 1 iii) D) 6), IS 10810 (Part 15)
84	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Insulation Resistance Test	IS 694 (Clause Table 1 iii) e) 3), IS 10810 (Part 43)
85	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	IS 694 (Clause Table 1 iii) c) 1), IS 10810 (Part 7)	IS 10810 (Part-7)
86	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Loss of mass test of Insulation	IS 694 (Clause Table 1 iii) c) 2), IS 10810 (Part 10

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 7 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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87	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Loss of mass test of Sheath	IS 694 (Clause Table 1 iii) D) 2), IS 10810 (Part 10)
88	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Shrinkage test of Insulation	IS 694 (Clause Table 1 iii) c) 4), IS 10810 (Part 12)
89	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Shrinkage test of Sheath	IS 694 (Clause Table 1 iii) D) 4), IS 10810 (Part 12)
90	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Smoke Density	ASTMD 2843
91	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Temperature Index	IS 694 10.7 IS 10810 (Part-64)
92	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Tensile Test for Aluminum	IS 694 (Clause Table 1 iii) a) 2), IS 10810 (Part 2)
93	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Tensile test of Insulation After Aging	IS 694 (Clause Table 1 iii) c) 1), IS 10810 (Part 7)
94	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Tensile test of Insulation After Aging	IS 694 (Clause Table 1 iii) c) 3), IS 10810 (Part 7)
95	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Tensile test of Sheath After Aging	IS 694 (Clause Table 1 iii) D) 3), IS 10810 (Part 7)
96	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Tensile test of Sheath Before Aging	IS 694 (Clause Table 1 iii) D) 1), IS 10810 (Part 7)
97	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Thermal stability test of Insulation	IS 694 (Clause Table 1 iii) c) 7), IS 10810 (Part 60)
98	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Thermal stability test of Sheath	IS 694 (Clause Table 1 iii) D) 7), IS 10810 (Part 60)
99	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Thickness of Insulation	IS 694 (Clause Table 1 iii) b), IS 10810 (Part 6)
100	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Thickness of Sheath & Overall Diameter	IS 694 (Clause Table 1 iii) b), IS 10810 (Part 6)

SCOPE OF ACCREDITATION

Laboratory Name : VIN POWER ELECTRO PRODUCT, H-413A, H-413B, SARNA DUNGAR INDUSTRIAL AREA, SARNA DUNGER, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 8 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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
101	ELECTRICAL- CABLES & WIRES	Polyvinyl Chloride Insulated Unsheathed and Sheathed Cables/Cords with rigid & flexible conductor for rated voltage upto and including 1100 V	Wrapping Test for Aluminum	IS 694 (Clause Table 1 iii) a) 3), IS 10810 (Part 3)
102	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Adhesion Test of Armoring	IS 1554 (Part 1, Clause 15 b),IS 3975:
103	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Annealing Test for Copper	IS 1554 (Part 1, Clause 15 a) 1), IS 10810 (Part 1)
104	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Armoring Coverage	IS 1554 (Part 1) Amendment 5, Appendix-C
105	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Cold Bend Test	IS 1554 (Part 1, Clause 15.4 a), IS 10810 (Part 20)
106	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Cold Impact Test	IS 1554 (Part 1, Clause 15.4 b), IS 10810 (Part 21)
107	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Conductor Resistance Test	IS 1554 (Part 1, Clause 15 a) 4), IS 10810 (Part 5)
108	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Determination of the amount of Halogen Acid gas evolved during combustion of Polymeric materials taken from cable (HCL Test)	IS 1554(PT-I) 15.2.1,D IS 10810 (Part-59)
109	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Dimensions-Thickness & Diameter	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 36)
110	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Elongation of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 37)
111	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Elongation test of Insulation After Aging	IS 1554 (Part 1, Clause 15 d) 2), IS 10810 (Part 7)
112	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Elongation test of Insulation Before Aging	IS 1554 (Part 1, Clause 15 d) 1), IS 10810 (Part 7)
113	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Elongation test of Sheath After Aging	IS 1554 (Part 1, Clause 15 d)), IS 10810 (Part 7)
114	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Elongation test of Sheath Before Aging	IS 1554 (Part 1, Clause 15 d) 1), IS 10810 (Part 7)
115	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Flammability Test	IS 1554 (Part 1, Clause 15 h), IS 10810 (Part 53)
116	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Heat shock test of Insulation	IS 1554 (Part 1, Clause 15 d) 6), IS 10810 (Part 14)
117	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Heat shock test of Sheath	IS 1554 (Part 1, Clause 15 d) 6), IS 10810 (Part 14)

SCOPE OF ACCREDITATION

Laboratory Name : VIN POWER ELECTRO PRODUCT, H-413A, H-413B, SARNA DUNGAR INDUSTRIAL AREA, SARNA DUNGER, JAIPUR, RAJASTHAN, INDIA

Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 9 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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118	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	High Voltage (Room Temp.)	IS 1554 (Part 1, Clause 15 g), IS 10810 (Part 45)
119	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	High Voltage (Water Immersion)	IS 1554 (Part 1, Clause 15 f), IS 10810 (Part 45)
120	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Hot Deformation test of Insulation	IS 1554 (Part 1, Clause 15 d) 4), IS 10810 (Part 15)
121	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Hot Deformation test of Sheath	IS 1554 (Part 1, Clause 15 d) 4), IS 10810 (Part 15)
122	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Insulation Resistance Constant (At Room Temperature)	IS 1554 (Part 1, Clause 15 e), IS 10810 (Part 43)
123	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Loss of mass test of Insulation	IS 1554 (Part 1, Clause 15 d) 5), IS 10810 (Part 10)
124	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Loss of mass test of Sheath	IS 1554 (Part 1, Clause 15 d) 5), IS 10810 (Part 10)
125	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Mass of Zinc Coating of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 41)
126	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Oxygen Index	IS 1554(PT-I)15.2.1 a IS 10810 (Part-45)
127	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Resistivity Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 42)
128	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Shrinkage test of Insulation	IS 1554 (Part 1, Clause 15 d) 3), IS 10810 (Part 12)
129	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Shrinkage test of Sheath	IS 1554 (Part 1, Clause 15 d) 3), IS 10810 (Part 12)
130	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Smoke Density	ASTMD 2843
131	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Temperature Index	IS 1554(PT-I) 15.1.1,16.10 IS 10810 (Part-64)
132	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Tensile Strength of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 37)
133	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Tensile Test for Aluminum	IS 1554 (Part 1, Clause 15 a) 2), IS 10810 (Part 2)
134	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Tensile test of Insulation After Aging	IS 1554 (Part 1, Clause 15 d) 2), IS 10810 (Part 7)
135	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Tensile test of Insulation Before Aging	IS 1554 (Part 1, Clause 15 d) 1), IS 10810 (Part 7)
136	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Tensile test of Sheath After Aging	IS 1554 (Part 1, Clause 15 d) 2), IS 10810 (Part 7)

SCOPE OF ACCREDITATION

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Accreditation Standard ISO/IEC 17025:2017

Certificate Number TC-11491 **Page No** 10 of 11

Validity 21/03/2023 to 20/03/2025 **Last Amended on** -

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137	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Tensile test of Sheath Before Aging	IS 1554 (Part 1, Clause 15 d) 1), IS 10810 (Part 7)
138	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Thermal stability test of Insulation	IS 1554 (Part 1, Clause 15 d) 7), IS 10810 (Part 60)
139	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Thermal stability test of Sheath	IS 1554 (Part 1, Clause 15 d) 7), IS 10810 (Part 60)
140	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Thickness of Insulation	IS 1554 (Part 1, Clause 15 c), IS 10810 (Part 6)
141	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Thickness of Sheath & Overall Diameter	IS 1554 (Part 1, Clause 15 c), IS 10810 (Part 6)
142	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Torsion Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 38)
143	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Uniformity of Zinc coating of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 40)
144	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Winding Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 10810 (Part 39)
145	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Wrapping Test for Aluminum	IS 1554 (Part 1, Clause 15 a) 3), IS 10810 (Part 3)
146	ELECTRICAL- CABLES & WIRES	PVC Insulated (Heavy Duty) Electric cables for Working Voltage upto 1100 V	Wrapping Test of Armoring	IS 1554 (Part 1, Clause 15 b), IS 3975
147	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Breaking Load	IS 398 (Part-2)
148	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Ductility & Elongation test	IS 398 (Part-2)
149	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Mass of Zinc Coating (Galvanizing)	IS 4826
150	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Measurement of Diameter	IS 398 (Part-2)
151	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Measurement of Lay Ratio	IS 398 (Part-2)
152	ELECTRICAL- CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Resistance Test	IS 398 (Part-2)

National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

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Accreditation Standard	ISO/IEC 17025:2017		
Certificate Number	TC-11491	**Page No**	11 of 11
Validity	21/03/2023 to 20/03/2025	**Last Amended on**	-

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153	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Uniformity of Zinc Coating (Galvanizing)	IS 4826
154	ELECTRICAL-CONDUCTORS & CONDUCTING MATERIALS	Aluminum Conductors for Overhead Transmission Purposes (ACSR)	Wrapping Test	IS 398 (Part-2)