National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : LV IEC MOTORS TESTING LAB, ABB INDIA LIMITED, LV MOTORS, PLOT NO 5 & 6, PEENYA INDUSTRIAL AREA, 2ND PHASE, PEENYA, BENGALURU, KARNATAKA, INDIA

Accreditation Standard ISO/IEC 17025:2017

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Validity 14/09/2022 to 13/09/2024 **Last Amended on** 12/10/2022

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- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 12615 (Cl. 16.1.3)
2	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 12615 (Cl. 16.1.3)
3	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Moto	Load Test (Load Curve Test)	IS 15999 (Part2 / sec1)
4	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Earthing Provision	IEC 60034 (Part 1) (Cl 11.1)
5	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Earthing Provision	IS 12615 (Cl 8)
6	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Earthing Provision	IS 3043
7	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	High Voltage Test (Withstand Voltage Test)	IEC 60034 (Part-1) Cl 9.2
8	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	High Voltage Test (Withstand Voltage Test)	IS 12615 (Cl. 16.1.6)
9	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	High Voltage Test (Withstand Voltage Test)	IS15999 Part-1 (Ref Cl no 9.2 &Table no 16)
10	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Insulation Resistance	IS 12615 (Cl. 16.1.1) [Ref IS7816]
11	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
12	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
13	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
14	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
15	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
16	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
17	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IEC 60034 (Part 2-1) (Cl. 6.1.3.2.1 & Cl 6.1.3.2.3)
18	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl. 16.2.3)

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19	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl. 16.2.3)
20	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl.16.2.3)
21	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl.16.2.3)
22	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (CL.16.2.3)
23	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl.16.2.3)
24	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl.16.2.3)
25	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 12615 (Cl.16.2.3))
26	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 15999 (Part2 / sec1)
27	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 15999 (Part2 / sec1)
28	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 15999 (Part2/sec1)
29	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 15999 (Part2/sec1)
30	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 15999 (Part2/sec1)
31	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Load Test (Load Curve Test)	IS 15999(Part2 / sec1)
32	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Locked Rotor Test	IS 12615 (Cl. 16.1.4 & Cl. 16.2.2 & 16.2.2.3.1)
33	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Locked Rotor Test	IS 12615 (Cl. 16.1.4 & Cl. 16.2.2 & 16.2.2.3.1)
34	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Measurement of Stator Resistance	IEC 60034 (Part 2-1) (Cl 5.7)
35	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Measurement of Stator Resistance	IEC 60034(Part 1) (Cl 8.6)
36	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Measurement of Stator Resistance	IS 12615 (Cl.16.1.2)
37	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Measurement of Stator Resistance	IS 15999 (Part 1) (Cl 8.6)

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38	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Measurement of Stator Resistance	IS 15999 (Part 2-1) (Cl 5.7)
39	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Momentary Overload Test	IEC 60034 (Part 1) (Cl 9.4)
40	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Momentary Overload Test	IS 12615 (Cl. 12.1 & Cl. 16.2.5)
41	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IEC 60034-1 (CL.9.1)
42	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IEC 60034-1 (CL.9.1)
43	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IEC 60034-1 (CL.9.1)
44	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IEC 60034-2-1 (Cl 6.1.3.2.4)
45	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IEC 60034-2-1 (Cl 6.1.3.2.4)
46	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IEC 60034-2-1 (Cl 6.1.3.2.4)
47	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 12615 (Cl. 16.1.3)
48	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 (PART1)
49	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 (PART1)
50	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 (PART1)
51	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 (Part2/sec1)
52	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 : PART 2 : SEC 1
53	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 : PART 2 : SEC 1
54	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	No Load Test	IS 15999 : PART 2 : SEC 1
55	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
56	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)

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57	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
58	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
59	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
60	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
61	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
62	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IEC 60034 (Part 2-1) (Cl 6.1.3.2.1)
63	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (CL 13 & Cl. 16.2.4)
64	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (CL 13 & Cl. 16.2.4)
65	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (CL 13 & Cl. 16.2.4)
66	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (CL 13 & Cl. 16.2.4)
67	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (Cl 13 & Cl. 16.2.4)
68	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (Cl 13 & Cl. 16.2.4)
69	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (Cl.13 & Cl. 16.2.4)
70	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (Cl.13 & Cl.16.2.4)
71	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 12615 (Cl.16.1.4 & Cl. 16.2.2 & 16.2.2.3.1)
72	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999 (Part 1) Cl 8
73	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999 (Part 1) Cl 8
74	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999 (Part 1) Cl 8
75	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999 (Part 1) Cl 8

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76	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999 (Part 1) Cl 8
77	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999(Part 1) Cl 8
78	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999(Part 1) Cl 8
79	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Temperature Rise Test (Rated Load Test)	IS 15999(Part 1) Cl 8
80	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Terminal Marking	IEC 60034 (Part 8)
81	ELECTRICAL- ROTATING ELECTRICAL MACHINES	Three Phase Squirrel Cage Induction Motor	Terminal Marking	IS 12615 (Cl. 9)