National Accreditation Board for Testing and Calibration Laboratories

SCOPE OF ACCREDITATION

Laboratory Name : ORDNANCE EQUIPMENT FACTORY, HAZRATPUR TESTING LABORATORY, ORDNANCE EQUIPMENT FACTORY, FIROZABAD, UTTAR PRADESH, INDIA

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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	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Colorfastness to Chlorite Test	Appendix of PROV/S/4369/FABRIC PV/TC/11/2 (a)
2	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Colorfastness to Leveling Test	Appendix of PROV/S/4369/Fabric PV/TC/11/2 (a)
3	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Colorfastness to Organic Solvents	IS 688
4	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Colorfastness to Rubbing	IS 766 superseded by IS/ISO 105 X12:2016
5	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Colorfastness to Sea Water	IS 690
6	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Fabrics (other than Wool) Dimensional Changes on Soaking in Water	IS 2977
7	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	pH Value of Aqueous Extracts	IS 1390
8	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Proofing Content	IS 6803
9	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Quantitative Chemical Analysis of Binary Mixture of Polyester Fiber with Cotton or Regenerated Cellulose	IS 3416 (Part i)
10	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Scouring Loss in Grey & Finished Cotton Textile Materials	IS 1383
11	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cord, Ropes, Tapes	Water Soluble Matter	IS 3456
12	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Ropes & Tapes	Identification of Material	IS: 667
13	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Ropes, Tapes	Colorfastness to Hydro Test	Appendix of PROV/S/4369/FABRIC PV/TC/11/2 (a)
14	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Ropes, Tapes	Colour Fastness to Perspiration	IS:971:1983 superseded by IS/ISO 105 E04 :2013
15	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Ropes, Tapes	Colour Fastness to Washing with Soap or Soap and Soda	IS/ISO 105 (Pt. C-10)
16	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Ropes, Tapes	Dye Identification (Vat & Disperse)	IS:4472

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17	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Tapes, Ropes	Blocking	BS 3424,Method 13
18	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Tapes, Ropes	Weight of Deproofed Fabrics/ sqm	IS :7016 (Pt.I) & BS 3424
19	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Cords, Tapes,Ropes	Water soluble Matter, % mass	IS: 3456
20	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics, Ropes, Cords,Tapes	Flame Retardancy Test	IS: 11871
21	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Fabrics,Cords,Ropes, Tapes	Water Repellency (uncoated surface)	IS :390
22	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Plastic Slide Fasteners	Resistance to Heat	IS 14181 (Part 1 to 3)
23	CHEMICAL- TEXTILE (WOVEN & NON WOVEN)	Polyurethane Foam	Heat Ageing Test (Reduction of Density)	IS:7888
24	MECHANICAL- TEXTILE MATERIALS	Button Plastic	Load Test	IS:8543 (Pt.XIII/sec.1)
25	MECHANICAL- TEXTILE MATERIALS	Coated Fabric	Water Vapour Transmission	DMSRDE/T&GS/89/377 (d)
26	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Resistance Damage by Flexing	IS 7016 (Pt.IV)
27	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Resistance to Accelerating Ageing at temp.70 ± 1 °C	IS 7016 (Pt.VIII)
28	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Resistance to Low Temp. at -40 °C	IS 7016 (Part 10)
29	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Water Proofness	IS 7016 (Pt. VII)
30	MECHANICAL- TEXTILE MATERIALS	Coated Fabrics	Weave	Visual
31	MECHANICAL- TEXTILE MATERIALS	Corrugated Fiberboard Boxes	Compression Tester	CQA(GS)/US/460
32	MECHANICAL- TEXTILE MATERIALS	Corrugated Fiberboard Boxes	Flap Bend Test	CQA(GS)/US/460
33	MECHANICAL- TEXTILE MATERIALS	Corrugated Fiberboard Boxes	Puncture Resistance Test	CQA(GS)/US/460
34	MECHANICAL- TEXTILE MATERIALS	Corrugated Fiberboard Boxes	Strength Joints Test	CQA(GS)/US/460
35	MECHANICAL- TEXTILE MATERIALS	Corrugated Fiberboard boxes	Substance	CQA(GS)/US/460

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36	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	50% Extension	IS 9686
37	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	50% Extension (after Ageing)	IS 9686
38	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	Accelerated Ageing	Clause 4.4 (A-3) of IS 9686
39	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	Determination of Load required for 50% Extension and Limit of useful Extension	Clause 4.4 (A-6) of IS 9686
40	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	Fatigue Test	Clause 4.4 (A-8) of IS 9686
41	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	Tension Decay under constant stretch	Clause 4.4 (A-7) IS 9686
42	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	Tension Decay under constant Stretch (after Ageing)	IS 9686
43	MECHANICAL- TEXTILE MATERIALS	Elastic Tapes	Thickness	IS 7702
44	MECHANICAL- TEXTILE MATERIALS	Fabrics	Air Permeability in Fabrics for Parachute	IS 11056
45	MECHANICAL- TEXTILE MATERIALS	HDPE Dot Coated Interlining	Weave	Visual
46	MECHANICAL- TEXTILE MATERIALS	HDPE Dot Printed Interlining	Bond Strength (Kgs) Fusing Condition	IS 1963
47	MECHANICAL- TEXTILE MATERIALS	Hook & Hoop Tapes	Peeling Strength after Endurance L &H Fasteners	IS 8156
48	MECHANICAL- TEXTILE MATERIALS	Hook & Loop Tape	Endurance Test	Clause 7.4 of IS 8156
49	MECHANICAL- TEXTILE MATERIALS	Hook & Loop Tape	Peeling Strength	Clause 7.2 of IS 8156
50	MECHANICAL- TEXTILE MATERIALS	Hook & Loop Tape	Shearing Strength	Clause 7.2 of IS 8156
51	MECHANICAL- TEXTILE MATERIALS	Hook & Loop Tapes	Shearing Strength after Endurance L & H Fasteners	IS 8156
52	MECHANICAL- TEXTILE MATERIALS	Latex Foam	After Ageing at 70°C Indentation Hardness Test	IS:1741
53	MECHANICAL- TEXTILE MATERIALS	Latex Foam	Compression Set	IS:1741

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54	MECHANICAL- TEXTILE MATERIALS	Latex Foam	Indentation Hardness test for Latex Foam	IS:1741
55	MECHANICAL- TEXTILE MATERIALS	Latex Foam	Reduction of Thickness after Flexing	IS:1741
56	MECHANICAL- TEXTILE MATERIALS	Latex Foam	Thickness	IS:1741
57	MECHANICAL- TEXTILE MATERIALS	Medical Testing (PU Coated Nylon Fabric, Laminated Polypropylene Spunbond fabric)	Resistance of Protective Clothing Materials to Penetration by Blood and Body Fluids — Test Method Using Synthetic Blood	ISO 16603
58	MECHANICAL- TEXTILE MATERIALS	Netting Mosquito	No. of Holes on Base Bias	Appendix A of IS 1431
59	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Breaking Load 15 cm between grip in N	App.-B of IS 4727
60	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Core Looping Tendency	Anex.-B clause 4.2 of IS 4227
61	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Elongation at Break %	App. B of IS 4727
62	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Linear Density of Yarns	App. D JSS 4020-09
63	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Mass	Appendix B of IS 4727
64	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	No. of Ends	JSS 4020-09
65	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	No. of Plates/dm	App. B JSS 4020-09
66	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	No. of Spindle	JSS 4020-09
67	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Sheath Slackness	Anex.- B clause 4.2 of IS 4227
68	MECHANICAL- TEXTILE MATERIALS	Nylon Cords	Twist of Yarns	IS 832 (Part I)
69	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Fold over Security of textile chains	Clause 10.2 of 14181 (part I)
70	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Remeshability of Fasteners	Clause 10.3 of 14181 (part I)
71	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Security of Attachment of Bottom Stop	Clause 10.2 of 14181 (part I)

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72	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Security of Attachment of Puller to Slider	Clause 10.2 of IS 14181 (part I)
73	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Security of Attachment of Retainer Longitudinal Load (open end)	clause 10.2 of 14181(part I) (
74	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Security of Attachment of Retainer to Lateral load (open end)	clause 10.2 of 14181 (part I)
75	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Security of Attachment of Top stop	Clause 10.2 of 14181 (part I)
76	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Security of Slider Lock holding	Clause 10.2 of IS 14181 (Part I)
77	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	Textile chain Thickness	Clause 8.1 of IS 14181 (part I)
78	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fasteners	textile chain Width	Clause 8.1 of IS 14181 (part I)
79	MECHANICAL- TEXTILE MATERIALS	PLASTIC SLIDE FASTNERS	Resistance to Abrassion	14181 (Part I to 3)
80	MECHANICAL- TEXTILE MATERIALS	Plastic Slide Fastners	Security of Interlocking of Textile chain to Lateral Load	Clause 10.2 of 14181 (Part I)
81	MECHANICAL- TEXTILE MATERIALS	Polythene Film	Elongation at Break	IS:2508
82	MECHANICAL- TEXTILE MATERIALS	Polythene Film	Tensile Strength at Break	IS:2508
83	MECHANICAL- TEXTILE MATERIALS	Polyurethane Foam	Compression Set (Reduction of Thickness)	IS:7888
84	MECHANICAL- TEXTILE MATERIALS	Polyurethane Foam	Density	IS:7888
85	MECHANICAL- TEXTILE MATERIALS	Polyurethane Foam	Tensile Strength	IS:7888
86	MECHANICAL- TEXTILE MATERIALS	Ropes & Cordage	Construction (cabled)	Visual
87	MECHANICAL- TEXTILE MATERIALS	Ropes & Cordages	Dia(mm)	IND/TC/2324 (b)
88	MECHANICAL- TEXTILE MATERIALS	Ropes & Cordages	Mass,kg/1000 m, (max) Unwaxed (3.0)	Appx.A of ADRDE/Specn./1984/19 (a)
89	MECHANICAL- TEXTILE MATERIALS	Ropes & Cordages	No. of Seration per mm Width	Appx. B, IND/TC/2324 (b)

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90	MECHANICAL- TEXTILE MATERIALS	Ropes and Cordages	Breaking Load	IS 7071(Pt.IV)
91	MECHANICAL- TEXTILE MATERIALS	Ropes and Cordages	Length	IS 7071 (Pt. 2)
92	MECHANICAL- TEXTILE MATERIALS	Ropes and Cordages	Linear Density	IS 7071 (Pt. 2)
93	MECHANICAL- TEXTILE MATERIALS	Ropes and Cordages	Mass	IS 7071 (Pt. 2)
94	MECHANICAL- TEXTILE MATERIALS	Rubber Solution	Rubber Solution (Adhesive Strength in Shear)	IND/GS/1535-25/09
95	MECHANICAL- TEXTILE MATERIALS	Rubber Solution	Rubber Solution (Adhesion Strength by Striping)	IND/GS/1535-25/09
96	MECHANICAL- TEXTILE MATERIALS	Rubber Studs	Shore A Hardness Test	ASTM D2240
97	MECHANICAL- TEXTILE MATERIALS	Tapes & Webs	Resistance to Accelerated Ageing	Appdx-C of ADRDE/SPECN/70 (a) & 69 (a)
98	MECHANICAL- TEXTILE MATERIALS	Tapes & Webs	Stiffness (Drop Angle) of Tape Nylon UVR-WR Treated	ADRDE/SPECN/70 (a)
99	MECHANICAL- TEXTILE MATERIALS	Textile Fabric	mass / unit Length and mass / unit area	IS: 1964
100	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Breaking Load of Braided Nylon cords for aerospace purpose	4227
101	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Breaking Load of Tyre yarns, cords, and Tyre cords warp sheet made from man-made fibre	4910 (Part 111)
102	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Breaking Strength (Ravelled Strips)	1969 (Part 1)
103	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Breaking Strength of Coated and Treated Fabrics	7016 (Part 11)
104	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Cone Test	6803
105	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Count of Yarn removed from Fabrics	3442
106	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Linear Density of Yarns Spun on Cotton System	1315
107	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Pilling Resistance Test	10971 (Part I)

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108	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Pressure Head Test	6803
109	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Recovery from creasing of Textile Fabrics by measuring the angle of recovery	IS:4681
110	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Tear strength by the falling Pendulum Method	6489 (Part I)
111	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Tear Strength of Coated and Treated Fabrics	7016 (Part III)
112	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Threads per Unit Length	IS 1963
113	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Width of Woven Fabric	IS 1954
114	MECHANICAL- TEXTILE MATERIALS	Textile Fabrics	Yarn- Breaking Strength and Elongation at Break of single strand	1670
115	MECHANICAL- TEXTILE MATERIALS	Triangular D Ring for Cargo Parachute	Proof load in Triangular D Ring	JSS 1670-03