

3. CARPET LAB

Sr. No.	Test Parameter	Test Method	Testing charge (In INR) Per Sample
1.	Determination of effects of small source of ignition on textile floor covering flammability testing. (Hot Metal Nut Method)	BS 4790:1987	1450
2.	Pile height of floor covering.	IS 7877(Part 4):1976 IWS/TM-20:2000	450
3.	Determination of thickness, compression and recovery characteristics.	BS-4098:1975	450
4.	Determination of thickness of machine made floor covering	ISO-1765:1986	450
5.	Determination of thickness loss under dynamic loading	BS/ISO-2094: 1999	750
6.	Determination of thickness loss after prolonged heavy static loading of textile floor covering/ carpets	ISO 3416:1986(E)	750
7.	Tuft withdrawal force	IS 5884:1993 Ra2020	500
8.	Determination of Surface Pile Density	IS 5641(Annex -D):1993 RA 2020	750
9.	Knots Per Square Decimeter/ Knots Per Square Inch	IS 7877: 1976 PART - III	450
10.	Carpet wear & abrasion tester (Weight Loss Method)	IWS/TM-283:2000	900
11.	Classification & terminology of Textile floor covering	IS 11205:2011 ISO 2424:2007	900
12.	Development of Carpet Samples with our yarn	-	3500
13.	Development of Carpet Samples with Supplied Yarn	-	2500
14.	Determine the level of pilling and fuzzing to shredding particularly with 100 % pile carpets.	-	650
15.	Evaluation of performance of Carpet i) Appearance Retention ii) Resilience iii) Durability	ISO 10361:2015 (E) Method B	3400
16.	Hexapod tumbler tester	ISO 10361:2015 (E) Method B	3400

Eco Lab

Test No.	Test parameter	Testing charge (In INR) Per Sample
NEP-01	Banned azo dyes	2640 (Natural Fibres) 3700 (Synthetic Fibres)
NEP-02	Permethrin	7000
NEP-03	pH of effluent	450
NEP-04	Mothproof chemicals	5000
NEP-05	Formaldehyde	1500
NEP-06	Screening of organic chemicals	900

4. DESIGN LAB

Sl. No.	Item	Testing charges	
		ICT (In INR)	International (In USD)
1.	Development of Exclusive design		
a.	Persian (Traditional)/ Oriental Design.	(Rs. Per sq. inch)	(USD Per sq. inch)
	High quality	60	12
	Medium quality	42	10
	Low quality	24	6
	Only Design editing work	30	7
b.	Tufted, Tibetan, Gabbeh, Sumaiq		
	Modern /Floral Design	42	11
	Persian (Knotted) Style	54	12
	Only Design editing work	30	10.
c.	Dhurries (Floral/Modern/Killim)		
	High quality	42	10
	Low quality	24	6
	Only Design editing work	24	6
2.	Chain stitch & Niddle point/Kashmiri shawl	66	10
3.	Naksha (Graph)	per sq. yrd	per sq. yrd
	High quality	330	12
	Naksha extra copy	216	10
	Medium quality .	246	10
	Naksha extra copy	168	10
	Low quality	.180	10
	Naksha extra copy	138	6
4.	Textile design plate for dress material, Saree, suiting & shirting.	450-3900	36-180
5.	Checking of woolen carpet per sample and rectification.	600	24
6.	Selling of idea regarding motif, colour combination and designs of latest trend in international market.		480/-
7.	Checking the graph and advice colour combination advice of suitable quality per design.		330/-
8.	Suggestion for new colour combination and setting of wool tuft (guchhi) in the graph per Indo Persian design.(Kashan, Herati, shruk, Bijar-5, Bijar-9, Tabriz, Lichi, (Mir) Medium to High quality and others)		1152/-
9.	Trainees, Matcher/Manual Designer / Sketcher can use computer.(During Training Subject to the availability of Computer)		125/- Per Hour



LAB TESTING SERVICES

INFORMATION BULLETIN FOR TECHNICAL SERVICES TO INDUSTRIES



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Indian Institute of carpet Technology

Under the aegis of DC (Handicrafts), Ministry of Textiles, Govt. of INDIA

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1. CHEMICAL LAB

Sr. No.	Test Parameter	Test Method	Testing charge (In INR) Per Sample
i)	Composition of fibres including identification: Yarn, Fabric (Two component)	IS 2006:1988	800
		IS 11870:1986 IS 3416 (Part 2): 1999 IS 9896:1981 IS 6504:1979 RA 2020 IS 9889:1988 RA 2020 IS 2005:1988	
ii)	Extra each component (above test)	IS 2006:1988 IS 11870:1986 IS 3416 (Part 2): 1999 IS 9896:1981 IS 6504:1979 RA 2020 IS 9889:1988 RA 2020 IS 2005:1988	300
iii)	Composition of carpet yarns (Two component)	IS 2006:1988 IS 3416 (Part 2): 1999 IS 6504:1979 RA 2020	800
iv)	Identification of fibre in yarn, pile yarn of carpet etc.	IS 667	500
v)	Overall composition of carpet (fibrous matters, non fibrous matters, latex etc) Pile Fibres of Warps Thari Backing fabric composition and Latex	IS 2006:1988 IS 11870:1986 RA 2020 IS 3416 (Part 2): 1999 IS 9896:1981 IS 6504:1979 IS 9889:1988 RA 2020 IS 2005:1988	2000
2.	Oils, fats and waxes in Fibre DCM Extractable matter of yarn/ fabric DCM Extractable matter of carpet	IS 9068:1979	550
		IWS/TM-136 IWS/TM-136	750
3.	Determination of wool content of woollen textile material	IS 8476:1977, RA 2020	750
4.	Determination of wool fibre content of raw wool.	IS 1349: 1964	550
5.	Determination of moisture in wool.	IS 6637:1992 RA 2018	300
6.	Colour Fastness to Organic solvents of yarn/ fabric Colour Fastness to Organic solvents of carpet	IS 688:1988	400
		IS 688:1988	450
7.	Colour fastness to rubbing (Dry & Wet) of yarn/ fabric Colour fastness to rubbing (Dry & Wet) of carpet	IS/ISO 105-X12:2016	250
		IS/ISO 105-X12:2016	450
8.	Colour fastness to rubbing (Organic Solvent) of yarn/ fabric Colour fastness to rubbing (Organic Solvent) of carpet	IS/ISO 105-D02:2016	450
		IS/ISO 105-D02:2016	450

2. PHYSICAL LAB

Sr. No.	Test Parameter	Test Method	Testing charge (In INR) Per Sample
9.	Colour Fastness to washing of yarn/ fabric Colour Fastness to washing of carpet	ISO 105 C10 :2006 (RA 2021) ISO 105 C10 A:2006 ISO 105 C10 B:2006 ISO 105 C10 C:2006 ISO 105 C10 D:2006	250
		ISO 105 C10 :2006 (RA 2021) ISO 105 C10 A:2006 ISO 105 C10 B:2006 ISO 105 C10 C:2006 ISO 105 C10 D:2006	400 400 400 450
10.	Colour fastness to light of yarn/ fabric Colour fastness to light of carpet	IS/ISO 105-B02:2022 Up to 4 BWS Above 4 to 5 BWS Above 5 to 6 BWS Up to 7 BWS Up to 8 BWS	1000 1500 2500 3500 5000
		IS/ISO 105-B02:2022 Up to 4 BWS Above 4 to 5 BWS Above 5 to 6 BWS Up to 7 BWS	1500 2200 4400 6500
11.	Surface Flammability of carpets & Rugs	16 CFR Part 1630 /1631 : 2003	3800
12.	Determination of colour fastness of textile to water of yarn/ fabric Determination of colour fastness of textile to water of carpet	IS/ISO 105-E01:2013	300
		IS/ISO 105-E01:2013	400
13.	Determination of PH value of Aqueous extract of textile material of yarn/ fabric Determination of PH value of Aqueous extract of textile material of carpet	IS 1390:1983	400
		IS 1390:1983	450
14.	1.Colour Difference	CIE : 1976	450
15.	2.Comparison of strength of dyes	CIE : 1976	750
16.	3. i) Colour of recipe setting	Spectro photo meter	1200
17.	ii) Reflectance readings for calibration samples up to 8 levels.	Spectro photo meter	750
18.	iii) Comparison of strength of dye stuffs on the basis of dyed fabric/yarn.	Spectro photo meter	1200
19.	Whiteness / Yellowness evaluation comparison between them.	Hunter Lab, ASTM E313	450
20.	pH Determination of yarn/ fabric pH Determination of carpet	AATCC 81-1996 Related to ISO 3071	450
		IS 1390: 1983	
21.	Determination of Dry Rubber Content of Latex	ISO 2555:1989	600
22.	Determination of Strength of Organic Acids	IS: 695: 1986	450
23.	Determination of Strength of Hydrogen Peroxide	IS 2080 :1980	600
24.	Determination of Alkalinity of Water	IS 3025:1987	450
25.	Determination of Hardness of Water	IS 3025:1987	450
26.	Determination of available of chlorine in a given solution of sodium hypochlorite	Is 11673:1982 RA 2003	600
27.	Identification of Dyes	IS 4472:1967	550
28.	Identification of Fibre	AATCC20, IS 667	500

Sr. No.	Test Parameter	Test Method	Testing charge (In INR) Per Sample
1.	Count determination	IS 1315:1977 RA 2018 IS 681:1964 RA 2019 IS 570:1964 RA 2018	500
2.	Determination of twist	IS 832:1985 RA 2021	500
3.	Weight per square/linear meter of fabric (GSM)	IS 1964:2001	300
4.	Determination of thread per unit length in woven fabric (EPI/PPI)	IS 1963:1981 Ra2018	300
5.	Percentage of Medullated Fibre	IS 2899: 1965	450
6.	Micronaire Value of cotton (Using Air Flow Method)	IS 3674: 1966	450
7.	Abrasion Resistance of Fabric (Martindale)	IS 12673: 1989 TM – 112	600
8.	Pilling Test (I.C.I Pill Box)	IS 10971: 1984	750
9.	Span Length of Cotton Length	IS 233 (Part 4): 1979	450
10.	Trash & Lint content in cotton fibre	IS 4871: 1968	450
11.	Lea Strength with CV%	IS 1671:1977	700
12.	Determination of stiffness to fabrics (Cantilever Test)	IS 6490:1971	500
13.	Determination of Recovery from Creasing of Textile Fabrics by Measuring the angle of Recovery	IS 4681:1981	500
14.	Method for assessment of Fabric Drape	IS 8357:1977	600
15.	Determination of Tear Resistance by the Falling Pendulum Method	IS 6489:1993	450
16.	Determination of width of Woven Fabrics	IS 1954:1990	300
17.	Determination of Count Strength Product of Yarn (CSP)	IS 1671:1977	900
18.	Single Thread Strength/Tenacity with Elongation(%) With CV%	IS 1670:1991	700
19.	Wool Fibre Diameter (Micron Value)	Validated Lab Developed Method IICT/TM/01	1000
20.	Wool Fibre Length	IWTO DTM 16:2002	1000
21.	Determination of Flammability and Flame Resistance of Textile Fabrics	IS 11871:1986	750
22.	Cotton Fibre Maturity (By Sodium Hydroxide Swelling Method)	IS 236:1968	450
23.	Determine the level of pilling and fuzzing dye to shredding particularly with 100 % pile carpets.	IICT/TM/03	600
24.	Determination of Critical Heat Flux (CHF) at extinguishment of a given floor covering using Flooring Radiant Panel Tester.	ISO 9239-1	45000
25.	Amended Test Report Charges	NA	200