

IICT LABORATORY
Indian Institute of Carpet Technology
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IICT testing laboratory is a premier laboratory for the Carpet and Textile Industry, which is accredited by NABL (ISO 17025:2005). The following information gives the details of the various tests with testing charges that are conducted in this laboratory.

Tariff Schedule for Technical Services by IICT, Bhadohi

Effective from: 01.11.2015

TESTS UNDER SCOPE OF NABL

Date: 08.10.2015

CHEMICAL LAB

Test No.	Test Parameter	Test Method/ Standards	Testing charges	
			Domestic (In INR)	International (In USD)
CL-1	Quantitative chemical analysis inclusive of identification: i) Two components	IS 2006:1988, RA 2004 IS 11870:1986, RA 2006 IS 3416 (Part 2): 1999 IS 9896:1981, RA 2003 IS 6504:1979, RA 2005 IS 9889:1988, RA 2004 IS 2005:1988, RA 2004	600	24
	Overall composition of Carpet		700	28
	ii) Extra each component (above test)		240	12
CL-2	Oils, fats and waxes in Fibre DCM Extractable matter	IS 9068:1979, RA 2004 IWS/TM-136	600	24
CL-3	Determination of wool content of woolen textile material	IS 8476:1977, RA 1992	600	24
CL-4	Determination of wool fibre content of raw wool.	IS 1349: 1964, RA 2004	960	36
CL-5	Determination of moisture in wool.	IS 6637:1972, RA 2000	240	12
CL-6	Colour Fastness to Organic solvents	IS 688:1988, RA 2004	360	18
CL-7	Colour fastness to rubbing (Dry & Wet)	IS 766:1988, RA 2004 IWS/TM-232	360	18
CL-8	Colour fastness to rubbing (Organic Solvent)	IS 3426: 1982, RA 1999	480	22

CL-9	Colour Fastness to washing	ISO 105 C10 A:2006	240	12
		ISO 105 C10 B:2006	240	12
		ISO 105 C10 C:2006	240	12
		ISO 105 C10 D:2006	360	18
CL-10	Colour fastness to light	IS 2454:1985, RA 2006		
		Up to 4 BWS	1200	48
		Above 4 to 5 BWS	1800	72
		Above 5 to 6 BWS	3600	144
		Above 6 BWS	5400	216
CL-11	Surface Flammability of Carpet & Rugs	16 CFR 1630/1631: (RA 2014)	1800	72

TESTS UNDER SCOPE OF NABL

PHYSICAL LAB

Test No.	Test Parameter	Test Method/ Standards	Testing charges	
			Domestic (In INR)	International (In USD)
PL-1	Count determination	IS 1315:1977, RA 1999 IS 681:1964, RA 2010 IS 570:1964, RA 2010	240	12
PL-2	Determination of twist	IS 832:1985, RA 2010	300	12
PL-3	Weight per square/ linear meter of fabric (GSM).	IS 1964: 2001, RA 2010	240	12
PL-4	Determination of Threads per unit length in woven fabric (EPI/PPI).	IS 1963 :1981, RA 2014 (Method A)	240	12

CARPET LAB

Test No.	Test Parameter	Test Method/ Standards	Testing charges	
			Domestic (In INR)	International (In USD)
CP-1	Determination of effects of small source of ignition on textile floor covering flammability testing. (Hot Metal Nut Method)	BS 4790:1987 (Method : 1)	1200	48
CP-2	Pile height of floor covering	IS 7877(Part 4):1976 RA 2008 IWS/TM-20:2000	360	18
CP-3	Determination of thickness, compression and recovery characteristics.	BS-4098:1975 RA 1982	360	18

Tests under scope of NABL

CARPET LAB (Contd)

Test No.	Test Parameter	Test Method/ Standards	Testing charges	
			Domestic (In INR)	International (In USD)
CP-4	Determination of thickness of machine made floor covering	ISO-1765: 1986(E)	360	18
CP-5	Determination of thickness loss under dynamic loading	BS/ISO-2094: 1999	600	24
CP-6	Determination of thickness loss after prolonged heavy static loading of textile floor covering/ carpets	ISO 3416 : 1986(E)	600	24
CP-7	Tuft withdrawal force	BS-5229:1975, RA 1982 ISO 4919: 1978 IS 5884:1993,RA 2014 IWS/TM 202	600	24
CP-8	Determination of Surface Pile Density	IS 5641:1993, Annex D (RA 2011)	600	24
CP-9	Knots Per Square Decimeter/ Knots Per Square Inch	IS 7877(Part III): 1976 RA 2008	360	18
CP-10	Carpet wear and abrasion test (Weight loss method)	IWS/TM-283: 2000	960	36
CP-11	Classification and terminology of Textile Floor covering	IS 11205: 1984, RA 2011	720	30

TESTS UNDER SCOPE OF NON-NABL

CHEMICAL LAB Computer Colour Matching:

Test No.	Test Parameter	Test Method/ Standards	Testing charges	
			Domestic (In INR)	International (In USD)
NCL-1	1. Colour Difference	IICT/NTM/01	360	18
	2. Comparison of strength of dyes		600	24
	3. i) Colour of recipe setting		960	36
	ii) Reflectance readings for calibration samples up to 8 levels		600	24
	iii) Comparison of strength of dye stuffs on the basis of dyed fabric/yarn.		960	36
	4. Whiteness / Yellowness evaluation comparison between them.	CIE 76	360	18
NCL-2	pH Determination	AATCC 81-1996 Related to ISO 3071 IS 1390: 1983	360	18
NCL-3	Determination of Dry Rubber Content of Latex		480	22
NCL-4	Determination of Strength of organic acids	Titration Method	360	18
NCL-5	Determination of Colour Fastness of Textiles to Water	IS 767: 1988	240	12
NCL-6	Determination of Alkalinity of water		360	18
NCL-7	Determination of hardness of water		360	18
NCL-8	Determination of available chlorine in a given solution of sodium hypochlorite	Iodometric Titration Method	480	22
NCL-9	Colour Fastness to Washing	ISO 105 C10 E : 2006	720	30

TESTS UNDER SCOPE OF NON-NABL

PHYSICAL LAB

Test No.	Test Parameter	Test Method/ Standards	Testing charges	
			Domestic (In INR)	International (In USD)
NPL-1	Percentage of Medullated Fibre	IS 2899: 1965	360	18
NPL-2	Micronaire Value of cotton (Using Air Flow Method)	IS 3674: 1966	360	18
NPL-3	Abrasion Resistance of fabric (Martindale)	IS 12673: 1989 TM – 112	480	22
NPL-4	Pilling Test (I.C.I. Pill Box)	IS 10971: 1984	600	24
NPL-5	Span Length of Cotton Length	IS 233 (Part 4): 1979	360	18
NPL-6	Trash & Lint content in cotton fibre	IS 4871: 1968	360	18
NPL- 7	Lea Strength with CV%	IS 1671: 1977, RA 2004	540	24
NPL- 8	Determination of Stiffness of Fabrics (Cantilever Test)	IS 6490: 1971	360	18
NPL- 9	Determination of recovery from Creasing of Textile Fabrics by measuring the angle of Recovery	IS 4681: 1981	360	18
NPL- 10	Method for assessment of Fabric Drapes	IS 8357: 1977	480	22
NPL- 11	Determination of Tear resistance by the falling Pendulum Method	IS 6489: 1993	360	18
NPL- 12	Determination of Width of woven Fabrics	IS 1954: 1990	240	12
NPL-13	Determination of Count Strength Product of yarn (CSP)	Is 1671: 1977 (RA 1999)	720	30
NPL-14	Single thread strength/Tenacity with elongation (%) with CV%	IS 1670: 1991, RA 2000	540	24
NPL-15	Wool Fibre Diameter (Micron Value)	Validated Lab Developed method IICT/TM/01	480	22
NPL-16	Wool Fibre Length	Validated Lab Developed method IICT/TM/02	480	22
NPL-17	Determination of Flammability and Flame Resistance of Textile Fabrics	IS 11871: 1986 (RA 2004)	600	24
NPL-18	Cotton Fibre Maturity (By sodium hydroxide swelling method)	IS 236 : 1968 (RA 2008)	360	18

CARPET LAB

Test No.	Test Parameter	Testing charges	
		Domestic (In INR)	International (In USD)
NCP-01	Development of Carpet Samples with our yarn (Size of Sample : 18 inch X 18 inch)	3000	120
NCP-02	Development of Carpet Samples with Supplied Yarn (Size of Sample : 18 inch X 18 inch)	2160	90
NCP-03	Determine the level of pilling and fuzzing dye to shredding particularly with 100 % pile carpets.	480	22
NCP-04	Evaluation of perforation of Carpet	3000	120
	i) Appearance Retention		
	ii) Resilience		
	iii) Durability		

DESIGN LAB

Sl. No.	Item	Testing charges	
		Domestic (In INR)	International (In USD)
1.	Development of Exclusive design		
a	Tufted, 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	Tibetan, Gabbeh, Stunaiq		
	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)	(Rs per sq. inch)	(USD per sq. inch)
	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	22
7	Checking the graph and advice colour combination advice of suitable quality per design.	330	18
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	48
9	Colour Photocopy of Design		
	1. Normal paper Size A4 Size A3	48 96	5 10
	2. Coated Paper Size A4 Size A3	54 108	6 12
10	Carpocost Software /- (Tool for costing of HK & HT Carpet)	6000	180

DESIGN LAB (contd...)**TRAINING PROGRAMME**

Sl. No.	Item	Testing charges	
		IICT (In INR)	(In USD)
1.	Short Term Training of Carpet & textile Designing / CAD Duration 06 months (4.5 hours per day)	20000	800
2.	Short Term Training of Carpet yarn dyeing Duration 06 months (4.5 hours per day)	15000	600
3.	Application of Computer & IT in Carpet Manufacturing Perspective. Duration 06 months (4.5 hours per day)	15000	600
4	Other Modules Short term training programmes	15000	600

TECHNICAL SERVICE TO INDUSTRY

Sl. No.	Item	Testing charges IICT (In INR)
1	Technical Consultancy including for design	On case to case basis decided by the institute
2	Management consultancy	-----Do-----
3	Trouble shooting	-----Do-----
4	R & Consultancy/ Sponsored Project depending on case to case & provision in the project	-----Do-----
5	Miscellaneous	-----Do-----
6	Shade Card/ Chromotone	Annual membership fees is Rs 1200/- for reference (not to be issued)
7	Library	Annual membership fees is Rs 1200/- (not to be issued)
8	Consultancy services on various fields as per requirement (includes implementation of projects sponsored by various authorities)	Consultancy charges
		For Senior level consultant upto Rs 9000/- per day.
		For middle level consultant upto Rs 6000/- per day
		For Junior level consultant upto Rs 3000/- per day
9	Photography on digital camera and conversion on to CD	Rs 60 for each snap
10	Carpet sample prepared by KIBBY Carpet Sampling machine	Rs 2160/-
11	Kaleen Bandhu –for Life Membership Associate Membership	Rs 50000 Rs 4000 per annum