A. PHYSICAL TESTING SECTION: **wef. 01.12.2023**

Sl. No.	TEST PARAMETER	TEST METHOD	Old	Revised Rate
I.	**FIBRE TEST**			
1	Fineness test	ASTM D 2130 - 90	500	500
2	Moisture test	IS 199 : 1989	350	350
3	Fibre bundle strength	IS 3675 : 1966	500	550
4	Single fibre strength test	IS 235 / ASTM D 3822 -01	1000	1500
5	Fibre length	ASTM D 5103 - 01	600	600
6	Microscopic tests	IS 667 : 1981 (5.5)	400	450
II	**RAW SILK TEST**			
	Winding breaks	ISA Chapter II-Article-3		
1		In house test method IS 15090(part-4) 2002	60	60
	Size test	ISA - Chapter II - Article 4, 5 & 6		
2		In house test method IS 15090(part-5 & 6) 2002	200	200
	Seriplane tests (Evenness,	IS 15090 Part-7, 8 & 9 :2002		
3		ISA-Chapter II – Article 7,8 & 9	300	300
	Tenacity & Elongation	IS 15090 Part-10:2002	110	110
4		ISA-Chapter II –Article 10 & In house method	400	400
	Cohesion	IS 15090 Part XI:2002	60	60
5		ISA-Chapter II-Article 11 & In house method	400	400
	All testing & grading	IS 15090:2002 (other than bivoltine)	400	500
		IS 15090:2002 (Bivoltine)	400	1000
6		ISA Chapter-II	2000	2500
III	**DUPION SILK TEST**			
1	Special defect test	In house test method	300	350
2	Winding breaks	ISA & In house test method	200	250
3	Size test	ISA & In house test method	200	250
IV	**YARN TEST**			
		IS 1315 : 1977, IS-7703 (Part 1)-1990	200	250
1	Linear density (For hank form - Rs. 100/- extra)	ASTM D 1907-01& ASTM D 1059-01		
2	Moisture content & moisture regain	IS 7703 (PART-3) 1991	350	350
3	Single thread strength & elongation test	IS 1670 : 1991, IS 7703 (Part 2)/ ASTM D 2256 – 02	500	550
4	Loop/Knot strength	IS 1670:1991	500	500
5	Lea strength	IS 1671:1999/ASTM D 1578 – 93	500	500
	Twist	IS 832 : 1985 / ASTM D 1422 - 99 & 1423 - 99	250	300
7		component	400	500
8	Identification of type of yarn	In house test method	300	400
9	No. of filaments in yarn	In house test method	300	400

10	Cross sectional shape of filaments	In house test method	400	500
11	Yarn diameter	ASTM D 2130- 90	400	500
VI	**FABRIC TEST**			
1	Thickness	IS 7702 – 1975	150	200
2	Width/ length	IS 1954 : 1990 /ASTM D 3774 - 96	150	150
4	Fabric mass / GSM	IS 1964 : 2001 / ASTM D 3776 – 96, ISO 3801	150	200
5	Thread density/	IS 1963 : 1981, ASTM D 3887-96	200	200
6	Crimp/count of yarn fabric count	IS 3442 : 1980	200	200
7	Cover factor	In-house test method	500	600
8	Warp/weft twist	IS 832:1985 / ASTM D 1422 – 99 & ASTM D 1423 – 99	400	500
9	Crease recovery	IS 4681 : 1981 / AATCC 66-1988	500	500
10	Stiffness	IS 6490 : 1971 / ASTM D 1388 – 96	300	400
11	Abrasion resistance for 5000	IS 12673 : 1989 / ASTM D 4966 – 98	500	1000
12	Tensile strength & Elongation	IS-1969 : 1985 / ASTM D 5034 – 95 & ASTM D 5035 – 95	500	550
13	Tearing strength	IS-6489 : 1993, ASTM D 1424-96	300	400
		ASTM D 2261 – 96	500	500
14	Bursting strength	Based on IS-1966 : 1975	400	500
15	Identification of warp &weft yarn	In-house test method	300	300
16	Percentage by weight	In house test method	300	500
17	Air permeability test	IS-11056 : 1984 / ASTM D 737 – 04	300	400
18	Weave analysis	In house test method ISO 7211/1 Simple	250	250
		Complex	500	500
19	Drape co-efficient	IS 8357 : 1977	400	500
20	Water spray test	IS-390 : 1975	300	400
21	Pilling resistance	IS-10971 : 1984	500	500
22	Bow & skewness test	ASTM D 3882 – 99	350	350
23	Seam slippage	ASTM D 434 – 95	500	500
24	Seam strength	ASTM D 1683 – 04	500	500
25	Seam bursting strength	Based on IS 1966 : 1975	400	400
26	Garment seam strength	ASTM D 1683 - 04	500	500
27	Fabric defect analysis	In house method	1500	1500
28	Shear & peel strength for fastness	ASTM D 5169-98	600	600
29	Static elongation & peel strength for laminated fabrics	ASTM D 4851-97	600	600
30	Fabric stretch & stretch recovery	ASTM D 6614-00	600	600
31	Absorbency of Textiles	AATCC 79-2000	500	500
32	Wicking Test - (Vertica)		500	500
33	Water vapour permeability		1000	1000

34	Identification of loom origin		1500	1500
35	Type of woven fabric		500	500
VII	**FELT TEST**			
1	Width	ASTM D 461-93 Section 9	300	300
2	Mass(Weight)	ASTM D 461-93 Section 11	300	300
3	Tensile Strength & Elongation	ASTM D 461-93 Section 12	1000	1000
VIII	**Coated/Laminated and non woven fabric**			
1	Tensile Strength & Elongation	IS 7016 (Part 2):1981	1000	1000
2	Tearing strength	IS 7016 (Part 3):1981 Method B ASTM D 5734-95	500	500
3	Width	IS 7016 (Part 1): 1982 Sec.3 ASTM D 3774-96	300	300
4	Thread Density	ASTM D 3775-03a	500	500
5	Length	IS 7016(Part 1):Section 2 ASTM D 3773-90	300	300
6	Mass	IS 7016 (Part 1):1982 Sec.4 ASTM D 3776-96	300	300
7	Stiffness	ASTM D 5732-95	500	500
8	Bow & skew	ASTM D 3882-95	500	500

B. CHEMICAL TESTING SECTION

Sl. No.	TEST PARAMETER	TEST METHOD		
I	**TEXTILES**			
	Light fastness Xenon	IS-2454-1985	1000	1000
	(Artificial) - 1-5 BWS		750	750
1	Day light	IS-686-1985	750	750
	Wash fastness Test No. 1-3	IS/ISO C-10-105	200	300
2	Test No. 4 & 5	IS/ISO C-10-105	300	400
3	Rubbing fastness	IS-766-1988	200	250
4	Perspiration fastness	IS-971-1983	400	400
5	Dry Cleaning fastness	IS-4802-1988	500	500
6	Submlimation Fastness	IS-975-1988	400	400
7	Hot Pressing fastness	IS-689-1988	400	400
8	Colour fastness to bleaching Hypochlorite / Hydrogen Peroxide	IS 762-1988	400	400
	Colour fastness to degumming	IS-970-1988	400	400
	hot water	IS-767- IS 4389	400	400
9	Laundering, home & commercial accelarated	AATCC-61 (1A to 5A)-2001	500	500
10	Scouring loss of silk	IS-1582-1968	300	300
11	Scouring loss of Cotton	IS-1383-1977	500	500
12	Fiber Identification	AATCC-20-2007	300	350
13	Blend Analysis (Multi)	AATCC-20A-2008	600	600

14	Blend Analysis Carpet Felts, non woven		1000	1000
15	Blend Analysis Industrial		2000	2500
16	pH of Aqueous Extracts	AATCC-81 – 2001 **IS-1390-1983**	300	400
17	Ether Soluble Matter (Oil & Wax Content %)	IS-4390-2001	500	500
18	Water Soluble Matter	IS-3456-1966	500	500
19	*Dimensional changes*	IS-2977-1989	250	400
	Silk Woven Fabrics	IS-3561-1989		
	Fabrics containing wool	IS-665-1989		
	Knitted fabrics made of & synthetic	IS-4419-1967		
	Woven fabrics of rayon & synthetic	IS 1299-1984		
20	Heat shrinkage	IS-11248-1995	500	500
II *	**CHEMICALS**			
1	Soap Analysis (for all the following parameters)		2750	2750
2	pH		300	300
3	Total Fatty Matter		500	500
4	Matter insoluble in alcohol		500	500
5	Total moisture Content	IS-286-1978	250	250
6	Glycerol content		400	400
7	Rosin content		300	300
8	Unsaponified matter		500	500
III *	IDENTIFICATION OF DYES ON	IS-4472 (Part-1) 1967		
	Cellulose / Protein/ Man made materials		500	550
IV *	WATER ANALYSIS FOR			
	Hardness / pH / Total dissolved solids	IS-3025-1964	200	400
V	OTHERS			
1	Nature	In house method	200	200
2	Woven / Knitted	In house method	200	200
3	Colour / dyed or not	In house method	200	200
4	Bleached / unbleached	In house method	250	250
5	Coated / laminated/ impragnated	In house method	200	200
6	Tufted / Non tufted	In house method	200	200
7	Cut pile / loop pile	In house method	200	200
8	Upholstry or not	In house method	200	200
9	PU / PVC coated	In house method	300	500
10	HSN Certificate	In house method	1000	1250

C. ECO PARAMETER TESTING				
I	Textiles/Leather/Auxilliaries			
1	Banned Aryl Amines	German method &	3000	3000
2	Penta Chlorophenol	In house test method	2000	2500

3	Pesticides	In house test method	4000	4000
4	a) Free formaldehyde	ISO/DIS-14184-1/	1000	1000
5	Heavy metals	IS:1039:1989 / DIN 38405 (part-24)	550	550
II *	Zari testing			
	Estimation of gold and silver content of zari threads	IS 9925-1981	2500	2500
	Handloom weavers		1000	1500
III	CCM results	DCI method	300	350
	FTIR		1000	1200
VI a	Cocoon testing		550	550
b	Cocoon character analysis		150	150
c	Cocoon reeling performance		550	550
d	Test - dyeing charges		250	400
Proposed rates for SCTH / RSTC units Under CSTRI				
1	Denier test (bobbin)	Sample size - minimum of 5 skeins	30	30
2	Denier test Skein		40	40
3	Limited test	(5 skeins - miminum)	50	50
4	Raw silk testing & Grading - BIS.		400	400
5	Raw silk testing & Grading - ISA.	Only Indigenous ARM produced silk	1100	1100
6	Raw silk testing & Grading - ISA.	Other than indigenous ARM Silk	2000	2000
7	Fibre Identification		300	300
8	Composition of raw silk (Blend analysis)		600	600
9	Nature		200	200
10	Seriplane tests of raw silk - BIS		60	60
11	Serigraph test of raw silk - BIS		110	110
12	Cohesion test of raw silk - BIS		60	60
13	Twist (twisted silk) - single		55	55
14	Twist (twisted silk) - composite		160	160
15	Denier test of twisted silk		60	60
16	Twist (twisted silk TN co-operative		50	50
17	Degumming loss of twisted silk TN cooperative		50	50
18	Computerized zari testing		75	75
19	Computerized zari testing at multiple points		75*	75*

20	Zari testing chemical method	IS 9925-1981	2500	2500
21	Zari testing Handloom weavers		1000	1000
22	Muga cococn stifling per 1000 Nos		20	20
23	NE warping charges per warp		225	225
24	NE machine rent (CSTRI-MRTM) per year		600	600
25	NE machine rent (Skeining m/c) per year		150	150
26	Mono cocoon reeling J&K		60	60
27	Reelability test (cocoons)		550	550
28	Reelability test with neatness		750	750

Any other test if taken up the rate applicable to TTLs has to be refered.