



Natural
Indian
Coir Fibre

CCRI

Prime Research Institute for
Testing & Research in
COIR



Recognized by



*The American Society for
Testing Materials (ASTM)*



Bureau of Indian Standards (BIS)



*Australian Quarantine and
Inspection Service (AQIS)*

Sl.No.	Characteristics tested	Service Charges for testing
1	Rubberised Coir (all tests)	Rs. 1500.00
1.1	Density	Rs. 100.00
1.2	Variation in indentation hardness on ageing	Rs. 300.00
1.3	Variation in indentation hardness on flexing	Rs. 400.00
1.4	Compression set (aged)	Rs. 100.00
1.5	Compression set (unaged)	Rs. 100.00
1.6	Chloride content	Rs. 200.00
1.7	Sulphate content	Rs. 200.00
1.8	pH	Rs. 100.00
2	Coir Yarn (all tests)	Rs. 3500.00
2.1	General characteristics	Rs. 100.00
2.2	Scorage	Rs. 100.00
2.3	Runnage	Rs. 100.00
2.4	Twist	Rs. 100.00
2.5	Diameter	Rs. 100.00
2.6	Sand content	Rs. 300.00
2.7	Salt content	Rs. 300.00
2.8	Moisture content	Rs. 300.00
2.9	Break load	Rs. 2000.00
2.1	Elongation at break	Rs. 100.00
3	Curled Coir Rope (all tests)	Rs. 1000.00
3.1	Designation of fibre	Rs. 200.00
3.2	Diameter	Rs. 50.00
3.3	Curls per meter	Rs. 50.00
3.4	Moisture content	Rs. 300.00
3.5	Chloride content	Rs. 200.00
3.6	Sulphate content	Rs. 200.00
4	Retted / Brown Coir Fibre (all tests)	Rs. 3700.00
4.1	Designation of coir fibre	Rs. 200.00
4.2	Salt content	Rs. 300.00
4.3	Moisture content	Rs. 300.00
4.4	Impurity content	Rs. 300.00
4.5	Break load	Rs. 2000.00
4.6	Elongation at break	Rs. 100.00
4.7	Flexural rigidity	Rs. 500.00

5. Coir Geo-textiles

5.1	Break load weft direction(dry)	Rs. 2000.00
5.2	Break load warp direction(dry)	Rs. 2000.00
5.3	Break load weft direction(wet)	Rs. 2000.00
5.4	Breaking load warp direction (wet)	Rs. 2000.00
5.5	Elongation at break weft direction (dry)	Rs. 100.00
5.6	Elongation at break warp direction(dry)	Rs. 100.00
5.7	Elongation at break weft direction(wet)	Rs. 100.00
5.8	Elongation at break warp direction(wet)	Rs. 100.00
5.9	Thickness at 1 kpa	Rs. 1000.00
5.10	Thickness at 2 kpa	Rs. 1000.00
5.11	Thickness at 3 kpa	Rs. 1000.00
5.12	Apparent opening size	Rs. 1000.00
5.13	Grab strength	Rs. 2000.00
5.14	Trapezoid tearing strength	Rs. 2000.00
5.15	Puncture resistance by falling cone method	Rs. 2000.00
5.16	Break load after keeping in Xenotest for	
	a) 0 hrs	Rs. 2000.00
	b) 150 hrs.	Rs. 5000.00
	c) 300 hrs.	Rs. 10000.00
	d) 500 hrs.	Rs. 15000.00
5.17	Mass per unit area	Rs. 500.00
5.18	Compressibility	Rs. 2000.00
5.19	Moisture content	Rs. 1000.00
5.20	Permeability	Rs. 1000.00
5.21	Direct Shear	Rs. 1000.00

6. Coir Matting / Mats (All tests)

Rs. 800.00

6.1	Ends per dm	Rs. 100.00
6.2	Picks per dm	Rs. 100.00
6.3	Pile height	Rs. 100.00
6.4	Dimension	Rs. 100.00
6.5	Mass	Rs. 100.00
6.6	Constructional details - type and runnage of yarn	Rs. 300.00

7. Wet Processing

7.1	Colour fastness to Light	Rs.1000.00
7.2	Shade matching	Rs. 250.00
7.3	Strength of Hydrogen peroxide	Rs. 500.00
7.4	Bleaching process	Rs. 250.00

8.	Coir rope (all tests)	Rs. 3300.00
8.1	Runnage	Rs. 100.00
8.2	Twist	Rs. 100.00
8.3	Diameter	Rs. 100.00
8.4	Sand content	Rs. 300.00
8.5	Salt content	Rs. 300.00
8.6	Moisture content	Rs. 300.00
8.7	Break load	Rs. 2000.00
8.8	Elongation at break	Rs. 100.00
9	Training	
9.1	Testing of coir product	Rs. 5000.00
9.2	Dyeing	Rs. 5000.00
9.3	Shade matching	Rs. 5000.00
9.4	Bleaching	Rs. 2000.00
9.5	Weaving on semi automatic loom	Rs. 1000.00
9.6	Jacquard loom	Rs. 1000.00
9.7	Power loom	Rs. 1000.00
9.8	Anugraha loom	Rs. 1000.00
9.9	Hand loom	Rs. 1000.00
9.10	Spinning on ratt	Rs. 1000.00
9.11	Manufacture of coir handicrafts	Rs. 1000.00
10.	Technical evaluation of Chemicals / Dyes	
10.1	Suitability of a Chemical for dyeing	Rs. 2000.00
10.2	Suitability of a chemical for bleaching	Rs. 2000.00
10.3	Suitability of a chemical for softening	Rs. 2000.00
10.4	Suitability of dyes	Rs. 2000.00
11	Project work	Rs. 5000.00
	<i>(plus other charges including chemicals, testing and documentation)</i>	
12	Design	
12.1	Design card	Rs. 500.00
12.2	Copies of Design cards	Rs. 200.00
13.	Library	
13.1	Membership	
13.1.1	For one month	Rs. 500.00
13.1.2	For One year	Rs. 5000.00
13.2	Reference work	
13.2.1	For one day only	Rs. 100.00
13.2.2	Internet per hour	Rs. 50.00
13.2.3	Photostat charges <i>(per page/copy)</i>	Rs. 2.00

14. Technical consultancy services

14.1	Bulk dyeing / bleaching <i>(per day plus transportation and accommodation)</i>	Rs. 500.00
14.2	Supervision for Geo-textiles laying	Rs. 10000.00
14.3	Field demonstration registration fee	Rs. 500.00

15. Others

15.1	Coirret (1 kg)	Rs. 60.00
15.2	Pithplus (1 pkt-400g)	Rs. 20.00
15.3	Designs of machinery	
	a) Ratt	Rs. 2000.00
	b) Anugraha loom	Rs. 10000.00
	c) Power loom	Rs. 40000.00
	d) Semi Automatic loom	Rs. 10000.00
15.4	Coco-lawn (per sq.ft)	Rs. 250.00
15.5	Bleaching / Dyeing of coir (kg) <i>(Exclusive of chemicals and other incidentals)</i>	Rs. 15.00
15.6	Drying of coir yarn and coir products (kg)	Rs. 2.50
15.7	Drying of Jute / Cotton products (kg)	Rs. 4.00

16. Coir pith testing

16.1	pH	Rs. 200.00
16.2	Salinity	Rs. 200.00
16.3	Electrical conductivity	Rs. 300.00
16.4	Nitrogen	Rs. 300.00
16.5	Potassium	Rs. 300.00
16.6	Phosphorous	Rs. 300.00
16.7	E.Coli	Rs. 1000.00
16.8	Salmonella	Rs. 1000.00
16.9	Lignin	Rs. 1000.00
16.10	Cellulose	Rs. 1000.00
16.11	Hemicellulose	Rs. 1000.00
16.12	Pectin	Rs. 1000.00
16.13	Sulphur	Rs. 500.00
16.14	Organic Carbon	Rs. 500.00
16.15	Cat-ion exchange capacity	Rs. 300.00
16.16	Phytosanitary test	Rs. 2500.00

C.C.R.I. a premier research institute of COIR BOARD, an autonomous body under Ministry of Agro & Rural Industries, Govt. of India, has the facilities for testing wide-width tensile properties, grab strength, trapezoid tearing strength, AOS thickness, mass per unit area and deterioration of geotextiles on exposure to light and water as per ASTM standards. Testing of coir pith is done for its conductivity, N,P,K & C, H, O, S content, including phytosanitary tests. Indentation Hardness Test and Chloride, Sulphate content of Rubberized Coir mattresses,

Note: Service tax is applicable as extra on service charges



For further details, contact:

**SECRETARY
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