

**SERVICE CHARGES FOR TESTING OF COIR AND COIR PRODUCTS AT
CENTRAL COIR RESEARCH INSTITUTE, KALAVOOR**

Sl No	Characteristics tested	Service charges (Rs)
I.	Rubberised Coir (all tests)	1500.00
1	Density	100.00
2	Variation in indentation hardness on ageing	300.00
3	Variation in indentation hardness on flexing	400.00
4	Compression set (aged)	100.00
5	Compression set (unaged)	100.00
6	Chloride content	200.00
7	Sulphate content	200.00
8	pH	100.00
II.	Coir Yarn (all tests)	3500.00
1	General characteristics	100.00
2	Scorage	100.00
3	Runnage	100.00
4	Twist	100.00
5	Diameter	100.00
6	Sand content	300.00
7	Salt content	300.00
8	Moisture content	300.00
9	Break load	2000.00
10	Elongation at break	100.00
III.	Curled Coir Rope (all tests)	1000.00
1	Designation of fibre	200.00
2	Diameter	50.00
3	Curls per meter	50.00
4	Moisture content	300.00
5	Chloride content	200.00
6	Sulphate content	200.00
IV.	Retted / Brown Coir Fibre (all tests)	3800.00
1	Designation of coir fibre	200.00
2	Chloride content(Salt content)	200.00
3	Moisture content	300.00
4	Impurity content	300.00
5	Break load	2000.00
6	Elongation at break	100.00
7	Flexural rigidity	500.00
8	Sulphate content	200.00

V.		Coir Geo textiles	
	1	Break load weft direction(dry)	2000.00
	2	Break load warp direction(dry)	2000.00
	3	Break load weft direction(wet)	2000.00
	4	Breaking load warp direction (wet)	2000.00
	5	Elongation at break weft direction (dry)	100.00
	6	Elongation at break warp direction(dry)	100.00
	7	Elongation at break weft direction(wet)	100.00
	8	Elongation at break warp direction(wet)	100.00
	9	Thickness at 1 kpa	1000.00
	10	Thickness at 2 kpa	1000.00
	11	Thickness at 3 kpa	1000.00
	12	Apparent opening size	1000.00
	13	Grab strength	2000.00
	14	Trapezoid tearing strength	2000.00
	15	Puncture resistance by falling cone method	2000.00
	16	Mass per unit area	500.00
	17	Moisture content	1000.00
	18	Permeability	1000.00
	19	Direct shear	1000.00
	20	Bursting strength	1000.00
VI.		Coir Matting / Mats (all tests)	800.00
	1	Ends per dm	100.00
	2	Picks per dm	100.00
	3	Pile height	100.00
	4	Dimension	100.00
	5	Mass	100.00
	6	Constructional details - type and runnage of yarn	300.00
VII.		Wet Processing	
	1	Shade matching	250.00
	2	Strength of hydrogen peroxide	500.00
	3	Bleaching process	250.00
VIII.		Coir Rope (all tests)	3300.00
	1	Runnage	100.00
	2	Twist	100.00
	3	Diameter	100.00
	4	Sand content	300.00
	5	Salt content	300.00
	6	Moisture content	300.00
	7	Break load	2000.00
	8	Elongation at break	100.00

IX		Training	
	1	Testing of a coir product	3500.00
	2	Dyeing	3500.00
	3	Shade matching	3500.00
	4	Bleaching	2000.00
	5	Weaving on semi automatic loom	1500.00
	6	Jacquard loom	1500.00
	7	Power loom	1000.00
	8	Anugraha loom	1000.00
	9	Hand loom	1000.00
	10	Spinning on ratt	1000.00
	11	Manufacture of coir handicrafts	1000.00
X.		Technical Evaluation of Chemicals / Dyes	
	1	Suitability of a chemical for dyeing	2000.00
	2	Suitability of a chemical for bleaching	2000.00
	3	Suitability of a chemical for softening	2000.00
	4	Suitability of dyes	2000.00
X1		Project Work	5000.00
XII		Design	
	1	Design card	100.00
	2	Copies of Design card	25.00
XIII.		Library	
	1		
		a) For one month	500.00
		b) For One year	5000.00
	2	Reference	
		a) For one day only	100.00
		b) Internet per hour	50.00
		c) Photostat charges (per page/copy)	2.00
XIV		Technical Consultancy Services	
	1	Bulk dyeing / bleaching in unit	500.00 per day
	2	Supervision for Geo textiles laying	10000.00
XV		Others	
	1	COIRRET (1 kg)	60.00
	2	PITHPLUS (1 pkt-400g)	20.00
	3	Designs of Machinery	
		a) Ratt	2000.00
		b) Anugraha loom	10000.00
		c) Power loom	40000.00
		d) Semi Automatic loom	10000.00
	4	Coco-lawn (ft)	250.00
	5	Bleaching of coir (kg) (exclusive of chemicals and other incidentals)	15.00
	6	Drying of coir yarn and coir products (kg)	2.50
	7	Drying of jute / cotton products (kg)	4.00
	8	Dyeing of coir (kg)	15.00

	9	Bleaching and dyeing of coir	19.00
	10	Bleaching/dyeing of jute (kg)	22.00
	11	Bleaching of jute	14.00
	12	Dyeing of jute	14.00
	13	Fastness to light	1000.00
XVI.		Coir Pith	
	1	pH	200.00
	2	Salinity	200.00
	3	Electrical conductivity	300.00
	4	Nitrogen	300.00
	5	Potassium	300.00
	6	Phosphorous	300.00
	7	Lignin	1000.00
	8	Cellulose	1000.00
	9	Hemi cellulose	1000.00
	10	Pectin	1000.00
	11	Sulphur	500.00
	12	Organic carbon	500.00
	13	Cation exchange capacity	300.00
	14	Phytosanitary test	2500.00
	15	Bulk density	200.00
	16	Copper	500.00
	17	Organic matter	300.00
	18	SEM analysis	500.00

A service tax @ 12.36 % is applicable as extra on service charges.

The service charges may be paid in advance by Demand Draft drawn in favour of Secretary Coir Board payable at any nationalised bank in Alappuzha before releasing the report.