

## INDIAN JUTE INDUSTRIES' RESEARCH ASSOCIATION

### **Testing / Services Charges in IJIRA for member mills**

#### Note:

Sampling / Method / Consultancy charges in special cases are to be settled after discussion and mutual understanding

ABOVE CHARGES ARE FOR THE MEMBER MILLS. FOR NON-MEMBER MILLS, A FLAT RATE OF 50 % EXTRA WILL BE CHARGED.

IF ANY MEMBER OR NON-MEMBER MILL INTENDS TO CARRY OUT BULK TESTING THROUGHOUT THE YEAR, THE INDIVIDUAL MILL WILL HAVE TO SIGN AN AGGREMENT FOR CONCESSION.

#### **FGJP CERTIFICATION**

1.	<b>Technology</b>	transfer	for manuf	acturing	FGJP -
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2. Process capability license for manufacturing FGJP - (valid for one year, to be renewed every year,

For members	Rs. 75,000
For non members	Rs. 1,50,000
For members	Rs 31 000

For non members Rs. 62,000

3. Interim process audit for FGJP-

April- March)

For members	Rs. 10,000
For non members	Rs. 20.000

After completion of above three, the individual mill will be charged for food grade jute product testing as per serial number 102.

#### **OTHERS**

1. Bulk trial / Pilot plant trial

Any bulk trial or Pilot plant trial at IJIRA regarding sample preparation of yarn, fabric or chemical processing will be charged (as per the volume of work) through mutual discussion between the mill / party and IJIRA management.

2. The charges for any mill related problem to be solved by IJIRA, may be decided after discussion between mill and IJIRA.

### YARN STRENGTH PARAMETER

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Rkm (Breaking length in Km) = Breaking Strength (kgf) x Yarn Count (Nm) where Nm =

Tex

 $QR = 7.53 \times Rkm = 0.1328 QR$ 

CSP (Count strength product)

CSP = Breaking Load (lb) of Lea (120 yd) x Cotton Count

## **CONVERSION TABLE FOR YARN COUNT**

F r	To Tex (n <sub>d</sub> )	To Denier (n <sub>d</sub> )	To Grist (n <sub>g</sub> )	To Cott Count (
Tex (n <sub>t</sub> )	1	9 x	0.029 x n <sub>t</sub>	590.5 x
Denier (n <sub>d</sub> )	0.111 x n <sub>d</sub>	1	0.003225 x n <sub>d</sub>	5315 /
Grist (n <sub>g</sub> )	34.45 x n <sub>g</sub>	310 x	1	17.14 /
Cotton Count (n <sub>c</sub> )	590.5 / n <sub>c</sub>	5315 / n <sub>c</sub>	17.14 / n <sub>c</sub>	1
Metric Count (N <sub>m</sub> )	1000 / N <sub>m</sub>	9000 N	29.02 / N <sub>m</sub>	0.59 N

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# **CONVERSION OF MEASURES**

British to Metric Units		Metric to British Units		
LENGTH				
1 in 1 ft 1 yd 1 statute mile 1 sea mile = AREAS	= 25.4 mm = 0.3048 m = 0.9144 m = 1.609 km 1.853 km	1 m 1 mm 1 m 1 m 1 km terestrial mile 1 km mile	= = = =	3.281 ft 0.03937 in 1.094 yd 0.6214 0.540 nautical
1 sq. in 1 sq. ft 1 sq. yd 1 acre	= $6.45 \text{ cm}^2$ = $929 \text{ cm}^2$ = $0.836 \text{ m}^2$ = $0.4047 \text{ ha}$	1 cm <sup>2</sup> 1 m <sup>2</sup> 1 m <sup>2</sup> 1 ha	= = = =	0.1550 sq. in 10.764 sq. ft 1.196 sq. yd 2.471 acres
1 cu. ft 1 cu. in 1 cu. yd	= 0.0283 m <sup>3</sup> = 16.3870 cm <sup>3</sup> = 0.7646 m <sup>3</sup>	1 m <sup>3</sup> 1 dm <sup>3</sup> 1 cm <sup>3</sup>	= = =	1.308 cu. yd 0.03531 cu. ft 0.061 cu. in
CAPACITY				
1 US. Gallon 1 Imperial Gallon WEIGHTS	= 3.785 litre = 4.54 litre	1 litre Gallon 1 litre Gallon	=	0.26417 US 0.21997 Imp.
1 lb 1 oz 1 ton (British) 1 ton	= 0.4536 kg = 28.350 gm = 1016 kg = 907 kg	1 kg 1 gm 1 MT (British) 1 MT	= = =	2.2046 lb 0.0351 oz 0.984 ton 1.102 US ton

British to Metric Units  Metric to British Units	
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1 US ton = 2,000 lb

1 British ton = 2,240 lb

1 lb = 16 OZ

**PRESSURE** 

1 lb/sq. inch (PSI) =  $0.07030 \text{ kg} / \text{cm}^2$  1 kg/cm<sup>2</sup> =

**POWER** 

1 HP (Horse Power) = 0.746 kilowatt 1 kilowatt =