



# कयर बोर्ड COIR BOARD

सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय, (भारत सरकार)  
Ministry of Micro, Small and Medium Enterprises,  
केन्द्रीय कयर अनुसंधान संस्थान  
CENTRAL COIR RESEARCH INSTITUTE

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CCRI/2016/SP/4/7

31.11.2016

Central Coir Research Institute (Coir Board), Ministry of MSME, Government of India invites Expression of Interest from interested educational Institutions and research organization for Development of Plant Machinery and control systems to spin fine quality of coir yarn of uniform thickness and reduced hairiness for weaving of Superior quality coir floor furnishing products.

## Salient features of the Machine

- ❖ The machine should be fully electronically controlled producing coir yarn with less than 5% hairiness.
- ❖ The length of the protruding coir fibre in the coir yarn should be less than 1mm.
- ❖ The coir yarn should be of loose twist 2 ply yarn of uniform thickness with a varied runnage in the range 150-360 (length of coir yarn produced from 1kg coir fibre). The machine should be able to produce coir yarn of different runnages by changing gears and pulleys (or any other mechanism) to alter twist, runnage, rate of output etc.
- ❖ The breaking load of the resultant coir yarn should be 156-275 Newtons.
- ❖ The finished coir yarn should be free from impurities, dust, coir pith, sand, metallic parts, chemicals, oil, fat etc.
- ❖ Productivity of the machine should be in the range of 12-15 kg (2 ply yarn) per hour per head.
- ❖ The yarn should possess 70-92 twists per meter.
- ❖ The other parameters should be bare minimum labour content, lesser wear and tear, less maintenance and continuous trouble free running.

Expression of Interest in a sealed cover along with the covering letter duly signed by an authorized signatory on or before **15<sup>th</sup> December, 2016** to the following address: **Director, RDTE, Central Coir Research Institute, Kalavoor, Alappuzha, Ph.0477-2258933,2258094**

Sd/-  
DIRECTOR, RDTE