

MC- 7

Machinery for Jute Industry

| S. No. | Machine Description  |
|--------|--|
| 1.     | Two for One Twister with cradle, drop wires and overfeed system and 4500 rpm as minimum speed                          |
| 2.     | Soft Package Precision Winding machine with individual spindle/drum driven with minimum speed of 480 mpm               |
| 3.     | PLC Controlled Pre-beaming having minimum speed 135 mpm and , Beaming & Sizing Machine having minimum speed of 125 mpm |
| 4.     | PLC based Dressing Machine/Direct Warper with minimum speed of 30 mpm  |
| 5.     | PLC based Circular Looms with minimum WIR of 400 mpm   |
| 6.     | Warp Knitting Machine with minimum 60" width and minimum speed of 300 rpm  |
| 7.     | Automatic Cutting Machine having minimum speed of 25 cuts per minute   |
| 8.     | Automatic Lapping and Measuring Machine with minimum 25 strokes per minute   |
| 9.     | Sewing Machine with minimum 2900 rpm   |
| 10.    | Automatic Branding (Screen Printing) Machine with minimum speed of 30 rpm  |
| 11.    | Automatic Integrated Damping and Calendering Machine with minimum speed of 27 mpm                                      |
| 12.    | Integrated Herakle and Safety Stitching Machine with minimum speed of 1400 rpm   |
| 13.    | Automatic Bag Making machine with a capacity of minimum 50 Bags per hour   |
|        | <b>Processing Machines for Jute Diversified Products.</b>  |
| 14.    | Singeing Machine with minimum speed of 30 mpm  |
| 15.    | Pressure Kier/Jumbo jigger with minimum speed of 50 mpm  |
| 16.    | Cloth/ yarn mercerising with minimum speed of 25 mpm   |
| 17.    | Pad batch /Mangle with minimum speed of 25 mpm   |
| 18.    | Winch with minimum speed of 25 mpm   |
| 19.    | Semi-automatic/automatic Jiggers with minimum speed of 50 mpm  |
| 20.    | Automatic PLC based Jet dyeing machine   |

| S. No.                                     | Machine Description   |
|--|---|
| 21.  | Automatic PLC based Soft Flow Dyeing machine                                    |
| 22.  | Automatic PLC based Cabinet Dyeing Machine (for yarn)                           |
| 23.  | Automatic PLC based Dyeing Machine  |
| 24.  | PLC based Macro Extractor/Hydro Extractor with minimum speed of 200 rpm         |
| 25.  | PLC based Multi Cylinder Dyeing Range with minimum speed of 25 mpm              |
| 26.  | Automatic PLC based Stenter with minimum 3 chambers and minimum speed of 25 mpm |
| 27.  | Coating machine with or without stenter with minimum speed of 20 mpm            |
| 28.  | Carpet Backing coating machine with minimum speed of 20 mpm                     |
| 29.  | Ball making machine (Yarn) with minimum speed of 200 rpm                        |
| <b>Machinery for Testing Jute Textiles</b> |   |
| 30.  | Evenness tester   |
| 31.  | Jute bundle strength tester   |
| 32.  | Yarn tensile strength tester  |
| 33.  | Jute fineness tester  |
| 34.  | Fabric strength tester  |
| 35.  | Jute Moisture meter   |
| 36.  | Scotch guard applicator tester  |
| 37.  | Electronic twist tester   |
| 38.  | Abrasion tester   |
| 39.  | Bending rigidity tester   |
| 40.  | Color fastness tester   |
| 41.  | Computerized color matching   |
| 42.  | Rubbing fastness tester   |
| 43.  | Fire Retardancy Tester  |
| 44.  | Light fastness tester   |

| S. No. | Machine Description  |
|--------|--|
| 45.    | Drape meter  |
| 46.    | Count balance  |
| 47.    | Laundero meter   |
| 48.    | Yarn twist tester  |
| 49.    | Yarn appearance tester (manual/automatic)  |
| 50.    | Ballistic raw jute strength tester   |
| 51.    | Latexing tester  |
| 52.    | Water proofing   |
| 53.    | Computer color matching machine  |
|        | <b>Coating &amp; Laminating Machinery for Jute Industry</b>  |
| 54.    | Complete Lamination Plant suitable for Poly/Rubber lamination of jute fabric with facility for sandwich lamination/ both side lamination |

**Note: The machinery given in MC-7 are only eligible for Jute Segment.**

