

MC – 2 (A)

Energy Saving Machinery for Processing of fibre/Yarn/Fabric

| Sr. No. | Name of the machine with specification  |
|---------|---|
| 1.      | PLC controlled Knit tubular mercerizing machine or bleaching cum mercerising machine with knit fabric diameter adjuster and with caustic recovery system.                         |
| 2.      | PLC controlled Ammonia mercerising machine for fabrics, including ammonia recovery plant  |
| 3.      | PLC controlled fully automatic Yarn / fabric mercerizing machine with Caustic Recovery Unit   |
| 4.      | PLC based Soft flow Dyeing Machine with pre heating chamber (liquor ratio max 1: 1)   |
| 5.      | PLC based Rapid Jet Dyeing Machines with minimum capacity of 100 kgs and fabric speed of minimum 60 mtrs per minute (liquor ratio max 1: 1)                                       |
| 6.      | Open width Pad-dry and / or Pad-Steam continuous dyeing range with micro processor based energy control and water monitoring  |
| 7.      | Indigo dyeing range including indigo dyeing cum sizing machine with heat recovery system.   |
| 8.      | Continuous weight reduction machine through micro wave technique (for Polyester goods only) with minimum speed of 20 mtrs per minute and with preheating system for recovery tank |
| 9.      | PLC controlled Multi Chamber Washing range with minimum 5 chambers with water recovery/ reusable system   |
| 10.     | PLC controlled Multi cylinder Drying range with individual cylinder drives with Heat recovery system and with padding mangle  |
| 11.     | PLC controlled Multi chamber Stenter (minimum 4 chambers) with arrangement of Thermic fluid / gas heating and with Heat recovery system.  |
| 12.     | PLC controlled Compressive Shrinking range and with Heat recovery system  |
| 13.     | PLC controlled Calendering Machine having Thermoplast/Duraplast/Polyamide sleeve and with Heat recovery system  |
| 14.     | PLC based Compacting machine with Heat recovery system  |
| 15.     | PLC based oil / gas fired boiler (Steam /Thermic fluid) with automatic control on combustion efficiency, and Heat recovery system with O2 Monitoring Equipments                   |