

MC – 1

Machinery for Weaving, Weaving Preparatory, Knitting

A. Weaving (Loom Shed)

Sr. No.	Name of the machine with specifications
1.	Rapier Loom with Weft Insertion Rate (WIR) not less than 380 mtrs per minutes with or without Electronic Dobby/Electronic Jacquard
2.	Projectile Loom with Weft Insertion Rate (WIR) not less than 750 mtrs per minutes with or without Electronic Dobby/Electronic Jacquard
3.	Air Jet Loom with (i) Weft Insertion Rate (WIR) not less than 1200 mtrs per minutes without Electronic Dobby/Electronic Jacquard (ii) Weft Insertion Rate (WIR) not less than 900 mtrs per minutes with Electronic Dobby/Electronic Jacquard
4.	Water Jet Loom with (i) Weft Insertion Rate (WIR) not less than 1000 mtrs per minutes without Electronic Dobby/Electronic Jacquard (ii) Weft Insertion Rate (WIR) not less than 800 mtrs per minutes with Electronic Dobby/Electronic Jacquard
5.	PLC based Circular Looms with Minimum 6 shuttles, Minimum tubular lay flat width of 90 cms and WIR of 600 mpm or more.
6.	Carpet loom (Spool gripper looms/Jacquard gripper looms/Wireloom weaving / Brussels weaving / Face to face weaving)
7.	Electronic Jacquard and Electronic Dobby suitable for Shuttleless Looms having Weft Insertion Rate (WIR) of 380 mtrs per minutes and above
8.	Air Compressor 15 H.P. and above with inbuilt invertors and air driers for Air Jet looms only
9.	Battery operated trolley for beam gaing
10.	Automatic Beam storage system
11.	Over Head Travelling Clearers
12.	Ultrasonic Cleaning machines for Reed
13.	Electronic Jacquard Computerized Pattern machine for weaving Patterns and Brand Names on the Selvedge.
14.	Shuttleless / Rapier Loom for Sample weaving with or without Electronic Dobby/Jacquard

B. Weaving Preparatory

Sr. No.	Name of the machine with specifications
1	Single yarn sizing machine with minimum speed of 250 mtrs per minute
2	High speed multi cylinder sizing machine/ zero twist sizing machine having minimum 8-10 cylinders for single size box and 12-14 cylinders for double size box and minimum speed of 40 mtrs per minutes
3	Direct beam warper with minimum 300 ends creel capacity and minimum speed of 1000mtrs per minutes

4	Computer aided design system for weaving
5	Two-for-one Twister operating at the speed of minimum 8000 rpm with cradle, drop wires and overfeed system. Three-for-one Twister operating at the speed of minimum 5000 rpm with cradle, drop wires and overfeed system.
6	Chenille Yarn Manufacturing Machine with spindle speed of more than 7500 rpm
7	Draw/ Air Texturising machine having minimum speed of 800 mtrs per minutes
8	Sectional warping machine with auto stop & tension control along with minimum 300 ends creel capacity and minimum speed of 350 mtrs per minutes
9	Water Softning/ R.O. Plant for Waterjet Looms
10	Automatic Drawing in/ Warp Reaching, Tying and Leasing-in machine (Not applicable on stand alone machine)
11	Automatic Sample Warper Machine
12	Direct Warping Machine for denim application with bigger flange Dia more than 1000 mm and minimum speed of 700 mpm.
13	Beam to Cone winding machine for Indigo Package.

C. Knitting

Sr. No.	Name of the machine with specifications
1	High speed circular knitting machine with yarn tension and clearers along with Creel - 1) Having Dia up to 26" with a minimum speed of 20 RPM and above, 2) Having Dia above 26" with a minimum speed of 15 RPM and above.
2	High speed socks knitting machine having minimum production of 15 pairs per hour and gloves knitting machines having minimum production of 3(three) gloves per minute with or without electronic jacquard.
3	Computerised flat bed knitting machine with minimum speed of 11 revolutions per minute / minimum speed of 0.3 Mts/ Sec.
4	Warp/ Raschel knitting machine having minimum working width of 60" and minimum speed of 500 RPM.
5	High speed computerised warping machine for knitting with minimum closed creel capacity of 200 and minimum speed of 100 Mts/ Min
6	Computerised label making Knitting machine with minimum 2 heads and minimum speed of 500 RPM and minimum working width of 50 mm per head.
7	Computerized Strap (Collar/Cuff) Flat Bed Knitting Machine a minimum speed of 0.3 Mts/ Sec with minimum working width of 12".
8	High performance Tricot Machinery with minimum 3 Bar and speed of 2300 rpm and above.
9	Fully Fashioned Knitting Machines
10	Air Compressor 15 H.P. and above with in-built invertors and air driers