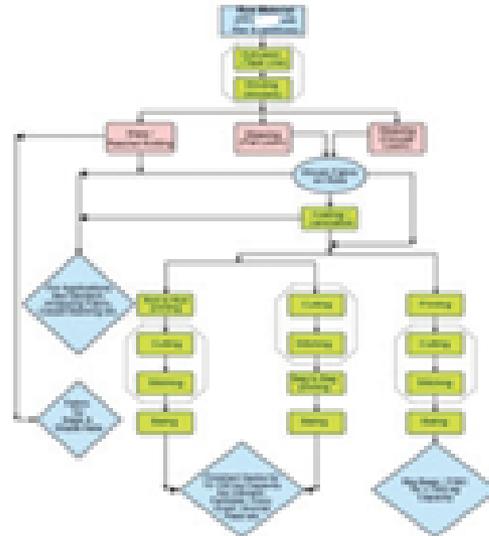


Manufacturing of Woven Sack

| Name of Project | Facility for Manufacturing of Woven Sack |
|----------------------|--|
| Project Location | Gelapukhuri, Tinsukia, Assam |
| Area Requirement | 60,000-70,00 sq ft |
| Approx. Project cost | INR 144 lakh |
| Project Scale | Machine output rate : 110 kg/hr |

Process



Rafia Tape of PP is first produced by extruder, which is equipped with a suitable die, cooling ring, temperature and process controls etc. From the extruder, the tape is taken off by a set of rollers. The tape then goes to a slitting unit where it slits into tapes of 6 to 12 mm width depending upon the requirements. The tapes thus made are conveyed to stretching orientation oven in which hot air circulates at controlled temperature. The tapes are stretched to the desired level. The oriented tapes are passed through a second godet station and then through the stabilizing oven. The stabilized tapes are passed through a third gadget station and then to a cheese winder unit where each tape is wound on a separate cheese. The monoaxially oriented tapes of PP produced are woven into fabrics in circular looms. The necessary working machine and prim winders are provided. The woven fabric can then be stitched into bags in an industrial stitching machine. After converting the fabric into bags, it is printed with suitable ink wherever necessary. For some cases laminated woven sacks are used. For packaging of fertilizers, it is necessary to laminate the fabric before making it into bags. Whereas, in woven sacks, for cement packaging, lamination is not required.

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|----------------------|--|
| Utilities | Power consumption: 3.7 KW-Phase 415V 50 Hz Power requirement : Tape line: 48 KW Cheese winder : 4KWx 120=5.4 KW Circular Loom: 4 KW x12=48 KW Stitching and cutting machine: 5KW Water Cooling tower: 8 KW Air Compressor 3HP: 5 KW |
| Manpower Requirement | 38 workers |
| Nodal Agency | Assam Industrial Development Corporation (AIDC) |