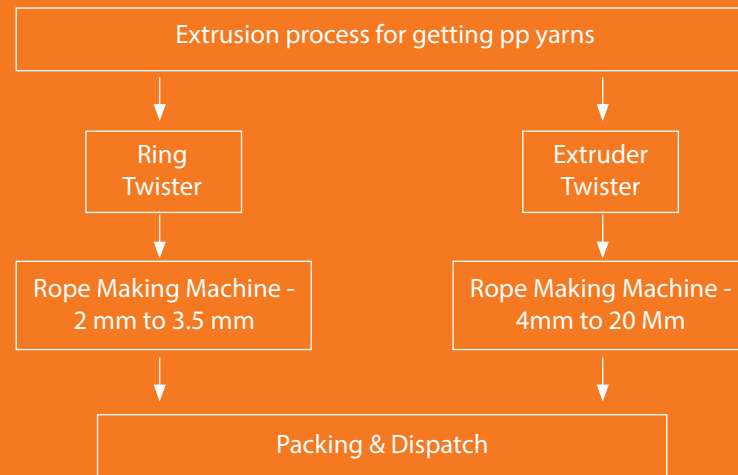


Manufacturing of Ropes

Name of Project	Facility for Manufacturing of Ropes
Project Location	Gelapukhuri, Tinsukia, Assam
Area Requirement	50,000 to 60,000 sq ft
Approx. Project cost	INR 290-310 lakh
Project Scale	Production Capacity 6 mm: 30 kg/hr 8 mm: 60 kg/hr 10 mm: 170 kg/hr 12 mm: 175 kg/hr

Process



Manufacturing Process

Extrusion

Plastic granules are extruded and monofilament is produced from the die-head and drawn in water bath and subsequently dried by hot air as well as stretched

Yarn Twister

Ring twisters are used to twist the bunched strands for 2 mm to 3.5 mm ropes for getting higher outputs
Extruder twisters are used for twisting the yarns for 4 mm and above rope sizes.

The twisted yarns are converted into rope by a combined strander/ rope making Machine and coiling in one single operation. The resulting rope is wound into a bundle and packed.

Utilities	Electricity: 197 KW
Manpower Requirement	36 workers
Nodal Agency	Assam Industrial Development Corporation (AIDC)