

Manufacturing of Non-Woven Fabric

Name of Project	Facility for Manufacturing of Non-Woven Fabric
Project Location	Gelapukhuri, Tinsukia, Assam
Area Requirement	30,000- 40,000 sq ft
Approx. Project cost	Machinery cost : INR 370-400 lakh
Project Scale	Machinery Output: 375 Kg/hr
Process	<p>Manufacturing Process</p> <p>The mix of virgin and recycled PP granules (optional) along with additives and colour are fed to the extruder. The molten PP is fed to a spinning die via a filter and measuring pump. After this step the fibres are passed through the orientation zone for stretching to get the required tensile strength. The fibres are spread /arranged to form the web and then hot rolled to form the fabric. The thickness and weight of fabric will depend on the quantity of fibre that are used to form the web. The fabric thus formed is trimmed/silted on the sides and wound on a winder to get the roll.</p>
Utilities	<p>Electricity Connected Load: 455 KW</p> <p>Cooling Tower : 80 T/hr</p>
Manpower Requirement	29 workers
Nodal Agency	Assam Industrial Development Corporation (AIDC)