

## Manufacturing of Box Strap

Name of Project	Facility for Manufacturing of Box Strap
Project Location	Gelapukhuri, Tinsukia, Assam
Area Requirement	5000 to 8000 Sq.ft
Approx. Project cost	INR 30-40 lakh
Project Scale	Machine Output Rate: 65Kg/hr
Process	<p>PP homo-polymer along with colorant and reprocessed material is fed into the hopper of the extruder which was present with the processing temperature.</p> <p>Extruder started and molten material passes through the die. The molten strap so produced is quenched in the water tank.</p> <p>The strap is then fed to the first godet unit for pulling the strap.</p> <p>The strap is then fed to the hot water tank for heating the strap in order to make it stretchable .The hot strap is pulled by stretching godet unit.</p> <p>The stretched strap is then passed through the stabilizing hot air oven for maintaining the temperature to get proper orientation and the strength. It is then cooled by pulling through a cold water tank with the help of last godet unit.</p> <p>The final strap so obtained is checked for its properties and processing parameters are set for the right process, which gives the required properties.</p> <p>The strap is then wound on to bobbins and rolls of marketable lengths are packed and shipped</p>
Utilities	<p>Power: 3-phase 440V+10% 50 Hz +_ 5%</p> <p>Electricity Connected Load : 133 KW</p> <p>Electric Running Load : 80 KW</p> <p>Water cooling Tower: 10 TR</p> <p>Water Recirculation System : 2 HP Pump and Related Piping Arrangement</p>
Manpower Requirement	14 workers
Nodal Agency	Assam Industrial Development Corporation (AIDC)