

Mulch Mat Project Profile

Product Brief

In the field of Technical Textiles, agriculture is one of the end use sectors of national interest. In the agricultural arena various textile base products are used, some are generalpurpose industrial application products and some are specialized structures exclusively designed for agricultural applications (Agro textiles). Mulch mat is one of the most popular products in India. Mulch matis used in horticulture, floriculture, green house/poly house and farming arena to prevent weed germination around the plant, and other benefits of mulch are water and nutrition conservation along-with better yield and quality. All this comes along-with higher yield with better quality of the produce.Mulch mat is made-up of PP polymer. It can be developed througha cost effective Circular Weaving Technology. Appropriate UV stabilizers are incorporated in base polymer so as to impart Ultra Violet stability property to the Mulch mat.

Sr.No.	Particulars	Details
1	Product	Mulch mat
2	Technology	Circular Weaving
3	Raw material	PP (UV Stabilised)
4	Product type	GSM:95.2
5	Process sequence	Polymer → Film extrusion → Tape Development → Circular Weaving
6	Fixed Capital	₹ 1732Lakh
7	Working Capital at full capacity	₹1365Lakh
8	No. of Looms in one the shed	40
9	Production per loom per annum	85606.39 Kg
10	Production per annum of the shed	3287285.20Kg (Including 4% waste)
11	Sales value	₹6561.75 lakh (₹199.61 /kg)
12	EBITDA	₹1188.82 lakh
13	EBT	₹832.08 lakh
14	Net Profit	₹ 574.97 lakh
15	I.R.R.	42%
16	NPV	₹4370.79 lakh
17	Return on Investment	25%
19	Simple Payback Period	3 Yrs and 10 Months