**AGRO SHADE NET PROJECT PROFILE**

1. **PRODUCT BRIEF**

In the field of Technical Textiles, agriculture is one of the end use sector of national interest. In the agricultural arena various textile base products are used, some are general-purpose industrial application products and some are specialized structures exclusively designed for agricultural applications (Agro textiles). Agro shade net is one of the most popular product in India. Agro shade nets are used in horticulture, floriculture, green house/poly house, forestry and farming arena to protect plantation from the sun in order to ensure healthy plant growth and good harvest.

The main agro shade net is a knitted fabric structure manufactured from polyethylene, Polypropylene polymer that is either tape or monofilament forms etc. Appropriate UV stabilizers are incorporated in base polymer so as to impart Ultra Violet stability property to the shade net structure.

1. **PROJECT PROFILE BRIEF –** 
   1. **Tape x Tape Product**

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| **SN** | **PARTICULARS** | **DETAILS** |
| 1 | Product | Shade Net |
| 2 | Application | Horticulture, Floriculture, Poly House Green House, Nurseries, Forestry |
| 3 | Indian Market Scenario  2007-2008  2012-2013  2016-2017 (Projected) | Rs. 487 Crores  Rs. 751 Crores  Rs. 1869 Crores |
| 4 | Technology   * Knitted nets | Raschel Knitting |
| 5 | Raw material | HDPE (UV Stabilised) |
| 6 | Product type | Tape x tape nets |
| 7 | Process sequence | Polymer 🡪 blown film extrusion 🡪slitting 🡪 knitting |
| 8 | Total Project Cost | Rs. 8.25 Crores |
| 9 | Production capacity | 23000 mts/day |
| 10 | Sales Realisation | Rs. Lakhs 1275 |
| 11 | Cost Of Production | Rs. Lakhs 936 |
| 12 | Gross Operating Profit = 2 | Rs. Lakhs 339 |
| 13 | Net Profit | Rs. Lakhs 147 |
| 14 | Break Even Point | 54.08 % |
| 15 | Cash Break Even Point | 40 % |
| 16 | I.R.R. | 37% |
| 17 | Return On Investment | 45% |
| 18 | Payback Period | * 1. Years |

* 1. **SHADE NET – Tape x Monofilament Product**

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| **SN** | **PARTICULARS** | **DETAILS** |
| 1 | Product | Shade Net |
| 2 | Application | Horticulture, Floriculture, Poly House Green House, Nurseries, Forestry |
| 3 | Indian Market Scenario  2007-2008  2012-2013  2016-2017 (Projected) | Rs. 487 Crores  Rs. 751 Crores  Rs. 1869 Crores |
| 4 | Technology   * Knitted nets | Raschel Knitting |
| 5 | Raw material | HDPE (UV Stabilised) |
| 6 | Product type | Tape x monofilament nets |
| 7 | Process sequence | Polymer 🡪 blown film extrusion 🡪slitting 🡪 knitting  Polymer 🡪 Monofilament spinning 🡪warping 🡪 knitting |
| 8 | Total Project Cost | Rs. 9.75 Crores |
| 9 | Production capacity | 23000 mts/day |
| 10 | Sales Realisation | Rs. Lakhs 1275 |
| 11 | Cost Of Production | Rs. Lakhs 936 |
| 12 | Gross Operating Profit = 2 | Rs. Lakhs 339 |
| 13 | Net Profit | Rs. Lakhs 147 |
| 14 | Break Even Point | 54.08 % |
| 15 | Cash Break Even Point | 40 % |
| 16 | I.R.R. | 37% |
| 17 | Return On Investment | 45% |
| 18 | Payback Period | 4-5 Years |

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