

## CROP ECONOMICS

Polyhouse Type: Naturally Ventilated Polyhouse

Crop: BETEL VINE (PAAN)

Area of Polyhouse: 4000 Sq. mtr. ( 1.0 Acre )

| Sr. No.  | Item  | Description   | Amount           |
|----------|---|---|------------------|
|          | Area of Polyhouse                             | <b>4000</b>   |                  |
| A        | Polyhouse Construction                        | Naturally Ventilated Polyhouse as per <b>National Horticulture Board</b> norms: Totally GI pipe structure & imported Polyethylene @ Rs. 825 /- per Sq. mtr. | 3,300,000        |
| B        | Drip Irrigation System                        | Drip Irrigation system for plants.<br>Fogging system to maintain the temperature and Humidity in Polyhouse.<br>Fertigation unit and Water Filtration unit   | 376,000          |
| C        | Growing System (Bed Preparation)              | 10 cm high & 75 cm wide raised bed prepared with Regular Soil, Farm Yard Manure (FYM), Neem cake etc.   | 160,000          |
| D        | Routed cutting Plants                         | Plant Density: 15 plants / Sq. Mtr.<br>Total No. of Plants: 60,000 Nos.<br>Cost per Plant: Rs. 12 / plant   | 720,000          |
| E        | Crop support system                           | Support system for plant with GI wire & Bamboo  | 100,000          |
|          | <b>Total Investment</b>                       | <b>Rs.</b>  | <b>4,556,000</b> |
| <b>F</b> | <b>Cost of Cultivation per Year</b>           |   |                  |
|          | Water requirement                             | 0.5 litre / plant / day + Misting + Spraying  | 64,000           |
|          | Electricity & Generator                       | 3.0 unit per day  | 100,000          |
|          | Fertilizers                                   | Organic Manure  | 150,000          |
|          | Labour  | 4 - 6 labours per day   | 380,000          |
|          | Crop Protection                               | Spraying  | 120,000          |
|          | Packing Material, Transport, Sales Commission | Leaf packing and transport to market  | 300,000          |
|          | Miscellaneous                                 | Maintainance, Depreciation etc.   | 455,600          |
|          | Supervision                                   | Rs. 12,000 / month  | 144,000          |
|          | <b>Sub total</b>                              | <b>Rs.</b>  | <b>1,713,600</b> |
| <b>G</b> | <b>Returns per Year</b>                       |   |                  |
|          | Yield / Plant / Year                          | 50  | 3,000,000        |
|          | Price per Leaf Rs.                            | 1   | 1.00             |
|          | Total Returns                                 | Per Year  | 3,000,000        |
|          | Cost of Cultivation                           | Per Year  | 1,713,600        |
|          | Net Return                                    | Per Year  | <b>1,286,400</b> |

Note: The above calculations are indicative only.