

## CROP ECONOMICS

Polyhouse Type: Naturally Ventilated Polyhouse

Crop: DUTCH ROSE

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. Misting system to maintain the temperature and Humidity in Polyhouse. Fertigation unit and Water Filtration unit	376,000
C	Growing System (Bed Preparation)	45 cm high & 90 cm wide raised bed prepared with Red Soil, Farm Yard Manure (FYM), Rice Husk, Sand etc.	400,000
D	Top Grafted Plants	Plant Density: 7.5 plants / Sq. Mtr. Total No. of Plants: 30,000 Nos. Cost per Plant: Rs. 10 / plant	300,000
	<b>Total Investment</b>	<b>Rs.</b>	<b>4,376,000</b>
<b>E</b>	<b>Cost of Cultivation per Year</b>		
	Water requirement	0.9 litre / plant / day + Misting + Spraying	124,000
	Electricity & Generator	3.0 unit per day	100,000
	Fertilizers	Water Soluble fertilizers	80,000
	Labour	5 - 6 labours per day	504,000
	Crop Protection	Spraying	60,000
	Packing Material, Transport, Sales Commission	Flower packing and transport to market	180,000
	Miscellaneous	Maintainance, Depreciation etc.	437,600
	Supervision	Rs. 12,000 / month	144,000
	<b>Sub total</b>	<b>Rs.</b>	<b>1,629,600</b>
<b>F</b>	<b>Returns per Year</b>		
	Yield / Plant / Year	30	900,000
	Price per Flower Rs.	3	3.00
	Total Returns	Per Year	2,700,000
	Cost of Cultivation	Per Year	1,629,600
	Net Return	Per Year	<b>1,070,400</b>

Note: The above calculations are indicative only.