

## CROP ECONOMICS

Polyhouse Type: Naturally Ventilated Polyhouse

Crop: CARNATION

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. Fogging system to maintain the temperature and Humidity in Polyhouse. Fertigation unit and Water Filtration unit	440,000
C	Growing System (Bed Preparation)	20 - 25 cm high & 80 cm wide raised bed prepared with Red Soil, Farm Yard Manure (FYM), Rice Husk, Sand etc.	280,000
D	Routed cutting Plants	Plant Density: 20 plants / Sq. Mtr. (4 Row plantation) Total No. of Plants: 80,000 Nos. Cost per Plant: Rs. 14 / plant	1,120,000
E	Crop support system	GI wire mesh support system for plant	240,000
	<b>Total Investment</b>	<b>Rs.</b>	<b>5,380,000</b>
<b>E Cost of Cultivation per Year</b>			
	Water requirement	0.25 litre / plant / day + Misting + Spraying	152,000
	Electricity & Generator	3.0 unit per day	100,000
	Fertilizers	Water Soluble fertilizers	160,000
	Labour	8 - 10 labours per day	640,000
	Crop Protection	Spraying	140,000
	Packing Material, Transport, Sales Commission	Flower packing and transport to market	192,000
	Miscellaneous	Maintainance, Depreciation etc.	538,000
	Supervision	Rs. 12,000 / month	144,000
	<b>Sub total</b>	<b>Rs.</b>	<b>2,066,000</b>
<b>F Returns per Year</b>			
	Yield / Plant / Year	12	960,000
	Price per Flower Rs.	3.25	3.25
	Total Returns	Per Year	3,120,000
	Cost of Cultivation	Per Year	2,066,000
	Net Return	Per Year	<b>1,054,000</b>

Note: The above calculations are indicative only.