CROP ECONOMICS

Poly house : Naturally Ventilated Poly house type

Crop: CARNATION

Area of Poly house: 4000 Sq. mtr. (1.0 Acre)

Sr. No.	Item	Description	Amount
	Area of Poly house	**4000**	
A	Poly house Construction	Naturally Ventilated Polyhouse as per **MIDH** norms: Totally GI pipe structure & imported Polyethylene @ Rs. 844 /- per Sq. mtr.	3,376,000
B	Drip Irrigation System	Drip Irrigation system for plants. Fogging system. Fertigation and Water Filteration head unit	400,000
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.	480,000
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
	Total Investment	**Rs.**	**5,616,000**
E	**Cost of Cultivation per Year**		
	Water requirement	0.25 litre / plant / day + Misting + Spraying	20,000
	Electricity & Generator	3.0 unit per day	50,000
	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.	120,000
	Supervision	Rs. 12,000 / month	144,000
	Sub total	**Rs.**	**1,466,000**
F	**Returns per Year (TOTAL LIFE CYCLE 5 YEAR)**		
	Yield / Plant / Year	12	960,000
	Price per Flower Rs.	3 (10 FLOWER BUNCH)	3.5
	Total Returns	Per Year	3,360,000
	Cost of Cultivation	Per Year	1,466,000
	Net Return	Per Year	**1,894,000**

Note: The above calculations are indicative only.