

CROP ECONOMICS

Polyhouse Type: Naturally Ventilated Polyhouse

Crop: Chrysanthemum

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

Sr. No.	Item	Description	Amount
	Area of Polyhouse	4000	
A	Polyhouse Construction	Naturally Ventilated Polyhouse as per National Horticulture Board norms: Totally GI pipe structure & imported Polyethylene @ Rs. 825 /- per Sq. mtr.	3,300,000
B	Drip Irrigation System	Drip Irrigation & fogging system with fertigation & water filtration unit.	376,000
C	Artificial Lighting System	Electrical wiring & LED light	150,000
D	Darkening System	Automated darkening system with weed mat	1,120,000
E	Growing System (Bed Preparation)	45 cm high & 90 cm wide raised bed prepared with preferably Red Soil	250,000
F	Routed cutting Plants	Plant Density: 50 plants / Sq. Mtr. (3 Cycles in Year)	9,000,000
		Total No. of Plants: 2,00,000 Nos. (6,00,000 in a Year)	
		Cost per Plant: Rs. 15 / plant	
	Total Investment	Rs.	14,196,000
G	Cost of Cultivation per Year		
	Water requirement	0.7 litre / plant / day + Misting + Spraying	100,000
	Electricity & Generator	3.0 unit per day	100,000
	Fertilizers	Water Soluble fertilizers	120,000
	Labour	6 - 8 labours per day	672,000
	Crop Protection	Spraying	120,000
	Packing Material, Transport, Sales Commission	Flower packing and transport to market	150,000
	Miscellaneous	Maintainance, Depreciation etc.	1,419,600
	Supervision	Rs. 12,000 / month	144,000
	Sub total	Rs.	2,825,600
F	Returns per Year		
	Yield / Plant / Year	3	600,000
	Price per Flower Rs.	8	8.00
	Total Returns	Per Year	4,800,000
	Cost of Cultivation	Per Year	2,825,600
	Net Return	Per Year	1,974,400

Note: The above calculations are indicative only.