

CROP ECONOMICS

Polyhouse Type: Naturally Ventilated Polyhouse

Crop: CUCUMBER

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 system for plants. Fogging system to maintain the temperature and Humidity in Polyhouse. Fertigation unit and Water Filtration unit	376,000
C	Growing System (Bed Preparation)	40 cm high & 90 cm wide raised bed prepared with Red Soil, Farm Yard Manure (FYM), Rice Husk, Sand etc.	360,000
D	Nursely Seedling	Plant Density: 3 plants / Sq. Mtr. (4 Cycles in Year) Total No. of Plants: 12,000 Nos. (48,000 in a Year) Cost per Plant: Rs. 5 / plant	240,000
	Total Investment	Rs.	4,276,000
E	Cost of Cultivation per Year		
	Water requirement	1.0 litre / plant / day + Misting + Spraying	132,000
	Electricity & Generator	3.0 unit per day	100,000
	Fertilizers	Water Soluble fertilizers	112,000
	Labour	6 - 8 labours per day	504,000
	Crop Protection	Spraying	120,000
	Packing Material, Transport, Sales Commission	Fruit packing and transport to market	312,000
	Miscellaneous	Maintainance, Depreciation etc.	427,600
	Supervision	Rs. 12,000 / month	144,000
	Sub total	Rs.	1,851,600
F	Returns per Year (4 Crop Cycles in a Year)		
	Yield / Plant / Year in Kg	13	156,000
	Price per Kg Rs.	15	15.00
	Total Returns	Per Year	2,340,000
	Cost of Cultivation	Per Year	1,851,600
	Net Return	Per Year	488,400

Note: The above calculations are indicative only.