

YOUR TECHNICAL EXPERT IN HI-TECH GREENHOUSE FARMING

Complete Greenhouse Solution For Maximum Efficiency and Yield.



13 YEARS OF
EXCELLENCE IN
GREENHOUSE FARMING
2012 - 2025

100% TAX FREE INCOME

UP TO 65% GOVERNMENT
SUBSIDY FACILITY

UP TO 90% BANK LOAN FACILITY
& 3% INTEREST SUBSIDY BY AIF

UP TO ₹ 2 CRORE COLLATERAL
FREE LOAN UNDER CGTMSE



FAN & PAD GREENHOUSE

A "fan & pad" cooling system is most popular mechanical cooling method for greenhouse. Here temperature could be cool down as 5 to 15 degrees during summer & in winter it protects your crops from cold and maintain humidity.

DESCRIPTION	Span	Bay	Guthur Height	Top Height	Top Vent	Side Vent
PARAMETER	8 mtr	4 mtr	4 mtr	6 mtr	NA	NA

APPLICATION: Hydroponics, Aquaponic, Exotic Vegetables, Exotic Fruits, Temperate Fruits & Flowers, Tissue Culture, Mist Chamber.



NATURALLY VENTILATED GREENHOUSE

Naturally Ventilated greenhouses effectively save energy by managing shade, temperature, and humidity. By utilizing the hot air differential pressure, warm air is kept at the top, reducing temperature and humidity levels - ideal for flowers and crops requiring lower humidity. This design is widely adaptable and suitable for use worldwide.

DESCRIPTION	Span	Bay	Guthur Height	Top Height	Top Vent	Side Vent
PARAMETER	8 mtr	4 mtr	4 mtr	6.5 mtr	1 mtr	3 mtr

APPLICATION: Exotic Vegetables, Ornamental Plants, Medicinal Plants, etc.



DOME SHAPE NET HOUSE

Shade Net houses provide excellent cross ventilation and growth for various vegetable crops, including tomatoes, capsicum, and cucumbers, as well as flowers and ornamentals. They offer adjustable shade percentages for different crops and protect against hail, excessive sunlight, and wide range of insect attacks.

DESCRIPTION	Span	Bay	Guthur Height	Top Height	Top Vent	Side Vent
PARAMETER	8 mtr	6 mtr	4 mtr	5.5 mtr	NA	NA

APPLICATION: Exotic Vegetables & Nursery Holders.



FLAT TYPE NETHOUSE

A flat net house structure is a light-weight frame with poles and cables that support the net & air vents are covered with nets, or all the greenhouse walls are made of nets that use to protecting crop from insects & weather damage. This is cheaper in compare to dome type nethouse.

DESCRIPTION	Span	Bay	Guthur Height	Top Height	Top Vent	Side Vent
PARAMETER	6 mtr	4 mtr	4 mtr	4 mtr	NA	NA

APPLICATION: Exotic Vegetables & Nursery Holders.



WIRE ROPE NETHOUSE

This type of net house is a low-cost solution and helps to extend the growing season or permits off-season production by way of controlling light, temperature, humidity, carbon-dioxide level and nature of root medium. This is low-cost design.

DESCRIPTION	Span	Bay	Gutter Height	Top Height	Top Vent	Side Vent
PARAMETER	8 mtr	4 mtr	4 mtr	4 mtr	NA	NA

APPLICATION: **Mainly Use For Nursery Holders & Exotic Vegetables.**

SOILLESS & COCOPEAT MEDIA PROJECT

About

Cocopeat is a renewable and sustainable material that is made from coconut husk. It has many benefits over traditional soil and can be used to create a cocopeat growbag turnkey project.

The cocopeat growbag turnkey project is the perfect solution for greenhouses where there is no access to soil or for people who want the benefits of cocopeat but don't have the time or money to put into a full-scale project.

The cocopeat growbag is made up of 100% cocopeat and has the ability to store water, air and nutrients for plants.

Benefits

- ✔ It is an eco-friendly material, easy to install in any type of non-fertile land.
- ✔ As it can be easily wet and re-wet, a grow bag absorbs water readily and has a water holding capacity of 77%.
- ✔ Does not require any digging & heavy preparations.



Comparison between growing in Substrate & Soil

FEATURES	Substrate	Soil
Root zone space	Limited to the substrate Volume	Unlimited
Available water	Limited by the substrate volume and water capacity	Dependent on soil type
Irrigation water tension	15-20 mili-bar	20-50 centi-bar
Nutrition	NPK + micro elements	NPK
EC & pH	Can be controlled	Uncontrollable
Irrigation system	Dense and precise	Standard
Nutrition system	Relative and controlled*	Standard

Cocopeat Culture Project Types:

- ✔ Trough Beds
- ✔ Grow Slabs
- ✔ Grow Bags



HYDROPONICS

Hydroponics is a type of agriculture that does not require soil. It has the potential to grow plants in an efficient and sustainable way.

Hydroponic System use water solution as the nutrient for plants, that means it can be used to grow any plant all year round. In addition, hydroponics uses less water than traditional farming methods because the water is recycled in a closed system.

Benefits

- ✔ Require less space than traditional farming methods
- ✔ Plant can grow with up to 98% less water than traditional growing methods
- ✔ You can control your own micro-climate in hydroponic

Hydroponic Types

- ✔ Falt Beds
- ✔ A-Frame
- ✔ Indoor Set-Up
- ✔ DWC (Deep Water Culture)
- ✔ Dutch Buckets
- ✔ Aquaponics



IoT & AUTOMATION SYSTEM

This is a climate and irrigation control computer system for greenhouse growers for flowers and vegetable crops. This program can control the heating and cooling of the water and air in different zones. You can control the temperature and humidity levels during day and night, as well as CO₂ systems. You can apply adequate nutrients solutions with scientific technology.

Our Automation System Includes:

- ✔ IoT System with Weather Station
- ✔ Climate & Fertigation System
- ✔ Fogging & Misting System for Moisture Control
- ✔ Auto Sliding Net Operation
- ✔ Auto Side Curtain Operation
- ✔ Air Circulation Fans Control



WE ARE A SINGLE WINDOW SOLUTIONS FOR YOUR GREENHOUSE PROJECTS

SUBSIDY PROCESS

- Bank visit & initial consultation
- Token amount submission
- Loan file preparation with required documents
- NHB (National Horticulture Board) registration
- GOC (Grant of Clearance) approval
- Loan disbursement by the bank
- Farm construction begins
- JIT (Joint Inspection Team) visit
- Subsidy credited to farmer's bank account directly



SUGGESTED CROPS - Which Gives You ROI Upto 35% In Greenhouse



COLORED CAPSICUM



CUCUMBER



CHERRY TOMATO



BROCCOLI



LETTUCE



ZUCCHINI



GERBERA



CARNATION



GYPSOPHILA



DUTCH ROSE



ORCHID



CHRYSANTHEMUM



BLUE BERRY



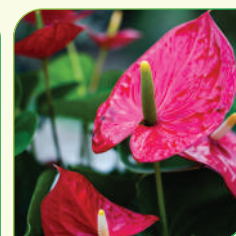
MUSK MELON



STRAW BERRY






TURMERIC



ANTHURIUM






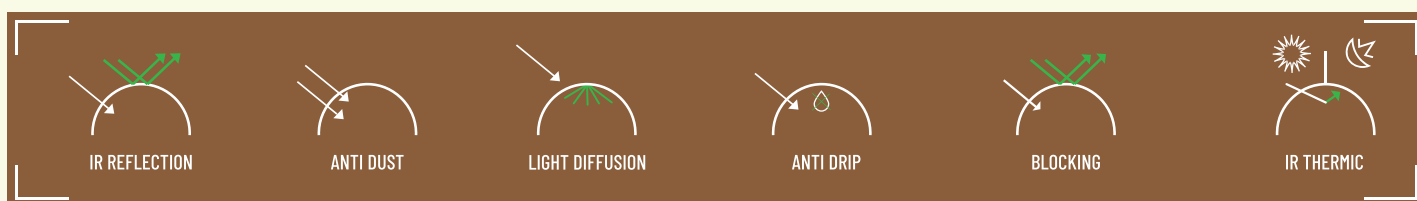
LILIUM

TENTATIVE PROJECTION FOR 1 ACRE		COLOURED CAPSICUM	CUCUMBER	TOMATO
				
CAPITAL INVESTMENT AFTER SUBSIDY		₹ 20,00,000/-	₹ 20,00,000/-	₹20,00,000/-
INCOME	Plant Population	10,000 plants	10,000 plants	10,000 plants
	Production Per Plant	2.8 kg/Season	5 kg/Season	14 kg/Season
	Plant's Life	8 Months	4 Months <small>(2.5 Seasons/Year)</small>	8 Months
	Production / Year	28,000 kg	1,25,000 kg	1,40,000 kg
	Average Rate Per Year	₹ 100 / kg	₹ 25 / kg	₹ 18 / kg
	TOTAL INCOME	₹ 28,00,000/-	₹ 31,25,000/-	₹ 25,20,000/-
EXPENSES	Plants Cost	1,20,000	1,80,000	80,000
	Labour (400 per day)	3,84,000	4,80,000	3,84,000
	Fertilizer & Pesticides	3,40,000	4,40,000	2,80,000
	Electricity	30,000	40,000	30,000
	Packaging & Transportation	2,30,000	3,45,000	3,00,000
	Maintenance & Supervision	1,50,000	1,50,000	1,50,000
	TOTAL OPERATING COST	₹ 12,54,000/-	₹ 16,35,000/-	₹ 12,24,000/-
NET PROFIT/YEAR		₹ 15,46,000/-	₹ 14,90,000/-	₹12,96,000/-

CLUSTER GREENHOUSE PROJECTS



TENTATIVE PROJECTION FOR 1 ACRE		GERBERA 	DUTCH ROSE 	ORCHID 
CAPITAL INVESTMENT AFTER SUBSIDY		₹ 35,00,000/-	₹ 30,00,000/-	₹ 60,00,000/-
INCOME	Plant Population	24,000 plants	32,000 plants	40,000 plants
	Production Per Plant	40 Nos/year	22 Nos/year	10 Nos/year
	Plant's Life	3-4 Years	4-5 years	7-8 years
	Production / Year	9,60,000 Nos	7,04,000 Nos	4,00,000 Nos
	Average Rate Per Year	₹ 4 / Nos	₹ 5 / Nos	₹ 14/ Nos
	TOTAL INCOME	₹ 38,40,000/-	₹ 35,20,000/-	₹ 56,00,000/-
EXPENSES	Plants	2,50,000	1,50,000	2,50,000
	Labour (400 per day)	4,32,000	4,32,000	2,88,000
	Fertilizer & Pesticides	3,50,000	3,90,000	2,20,000
	Electricity	1,20,000	1,20,000	2,80,000
	Packaging & Transportation	5,20,000	5,80,000	4,00,000
	Maintenance & Supervision	1,50,000	1,50,000	2,00,000
	TOTAL OPERATING COST	₹ 18,22,000/-	₹ 18,22,000/-	₹ 16,38,000/-
NET PROFIT/YEAR		₹ 20,18,000/-	₹ 16,98,000/-	₹ 39,62,000/-



More Than 3.2 Million Sq. Mt. build up Area of Greenhouse Projects Completed by 2024.

OUR CORPORATE CLIENTELE



800+ PROJECTS

17+ STATES

7+ COUNTRIES



HQ: 815, Swati Clover, Sardar Patel Ring Road, Near Shilaj Circle, Thaltej, Ahmedabad, Gujarat - 380059

Factory: Plot- 11, Yashraj Industrial Plotting, Opposite Mayur Woven Gate, Khatrej Kalol Road, Moti Bhojan, Gandhinagar, Gujarat - 382721

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