



QUOTATION FOR TURNKEY 4000 SQM HYDROPONICS PROJECT DEVELOPMENT

Date:

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A large graphic with a green background. On the left, a person's hands are holding a tablet that displays a green plant icon. On the right, the Triveg Farms Pvt. Ltd. logo is displayed. Below the logo, the text "TECHNOLOGY ADOPTED" is written in white, and "THE FUTURE OF FARMING" is written in white on a green rectangular background. At the bottom, there are four circular icons: a water drop, a bar chart with an upward arrow, a plant growing in a circle, and a pesticide bottle with a slash through it. Below each icon is a text label: "90 % WATER SAVING", "HIGH YIELD", "SOILLESS CULTIVATION", and "PESTICIDE FREE".

Triveg
FARMS PVT. LTD.

TECHNOLOGY ADOPTED
THE FUTURE OF FARMING

**90 %
WATER
SAVING**

**HIGH
YIELD**

**SOILLESS
CULTIVATION**

**PESTICIDE
FREE**

Cost of Project: –

4000 SQM Quotation – Triveg Farms

S no	PARTICULARS	Cost
1	Fan and Pad Polyhouse Structure - 100m x 40m- 4000 SQM • GI Pipe Structure • All GI Pipes of 300+GSM and Zinc Coated • Complete Structure Installation with GI fittings • Poly film Covering • Aluminum Zig-Zag Springs with PVC Coating • Apron, Insect Net • Agro Shade Nets and mono net • Gutter for Rain water Drainage • 23 Ton of GI (Approx) Fan and cooling pad • Exhaust fan (22) • Cooling pad (100 meter) Air circulation fan (22)	75,000,00
2	Hydroponics System Installation (12,000 Plant Capacity) • Weed mat • Grow bags • Support Trays for Proper Drainage • Trellising wire • J and H hook	11,500,00
3	Irrigation system and foggers • Arrow Drip Irrigation System • Pressure Compensating Drippers for Constant Water Flow • 4 way foggers	5,00,000

4	Fertigation system - Nutrient tank (5)- 1000lit - Mixture tank (2)-2000lit - Circulating pump	1,00,000
5	Growers Combo - Cocopeat 14 ton - Vermiculate - Perlite - Seedling trays - Seed - Nutrient	20,25,000
6	Automation - Automatic fertigation system - Weather radar - Temperature and Humidity sensor based climatic control 7-inch Touch Screen Display along with Online Dashboard	10,00,000
7	Solar and pond	10,00,000
	Total (Excluding GST + Transportation)	13275000

SUPPLY AND CONSTRUCTION OF FAN & PAD POLYHOUSE STRUCTURE:-

S no	Particulars	Unit	Value
1	Bay size	M	4.00
2	Number of bays	nos	10
3	Span size	M	8
4	Number of span	nos	12
5	Canopy (2 side)	M	2
6	Total length of unit	m	100
7	Total breadth of unit	M	40
8	Top height	M	5.5
9	Gutter height	M	4
10	Total area	Sq.m.	4000

SPECIFICATION OF DESIGN:

S no	Particulars	Details
1	G I PIPE STRUCTURE	Structure of 300 above GSM zinc coated GI pipe with ISI mark, with side and top vents; zinc coated nuts, bolts and clamps.
2	COVERING AND SIDE CURTAINS	200 Micron, Anti Drip, Anti Dust, Anti Sulphur, White Diffused, 5/7 Layered, UV Stabilized Polythene Film multi-Layer SUNCOOL/ Greenpro/ Ginegar Brand (5 Years Warranty) GI profile for poly locks with GI spring
3	APRON FOR HOCKEY	0.75 Mtr HDPE Material Apron For 2 Side Canopy Tuflex/Ginegar Brand (5 Years Warranty)
4	EXHAUST FAN	6 Number of Fans Size 1380 X 1380 X400 Mm Box Fan 54 " Exhaust Fan With 1.5 HP Motor
5	AGRO SHADE NET	110 GSM 60% Thermal Shade Net Tuflex Brand (5 Years Warranty)
6	DRAINAGE	500 mm Width GI Gutter (5 Years Warranty) With Funnels to Collect Rain Water Back in Tank
7	ANTI-ROOM	3x3 Mtr with Double Doors.
8	PAD	One Side Pad Of 6 Ft Height, 6"Thick With Aluminum Frame Work Aluminum Drainage System Total Length Of Pad 96 Mtrs.
9	AIR CIRCULATION FAN	SS Material Air Circulation Fan Of 500 mm Quantity Of 6 Number With 1 Year Warranty.
10	ELECTRIC PANEL	Automated Electrical Panel Box with all MCB's for electrical equipments like fan, motors, fogger, etc.

PROJECT DEVELOPMENT STAGES:-

STEP 1: SITE FEASIBILITY:-

OUR TECHNICAL TEAM WILL COME TO YOUR SITE TO EXAMINE THE FOLLOWING PARAMETERS:

- 1) LAND LEVELLING
- 2) SPACE AVAILABILITY

3) ELECTRICITY AND WATER AVAILABILITY

4) LOCALITY STUDY

5) ORIENTATION

6) WIND PATTERNS

7) CLIMATIC CONDITIONS

8) ECONOMIC VIABILITY.

STEP 2: POLYHOUSE STRUCTURE DEVELOPMENT:-

The assembly of the polyhouse structure begins with laying a strong foundation. Following this, the framework is erected as per the approved design and insights derived from the site feasibility study. Once the structural framework is completed, the polyfilm is installed. The project then advances to the next phase, which focuses on developing the internal farm infrastructure.



STEP 3: GROWBAGS/GROWSLABS INSTALLATION WITH IRRIGATION SYSTEM

Arrangement of Growbags filled with Cocopeat/Growslabs while also establishing a dependable Netafim Brand Online Drip irrigation System equipped with a PCJ (Pressure Compensating Junction) fixed to a four way Manifold and Aero drippers, all to ensure a continuous and reliable supply of essential nutrients to the plants.



STEP 4: PLANT TESTING:-

Our technical staff tests the entire farm to ensure that all of the equipment installed at the farm is working properly.

STEP 5: OPERATIONAL TRAINING:-

Our Agronomy team will come to your farm to give you an Operational Training of 7 Days regarding the Seeds Germination & Farm Management Processes.

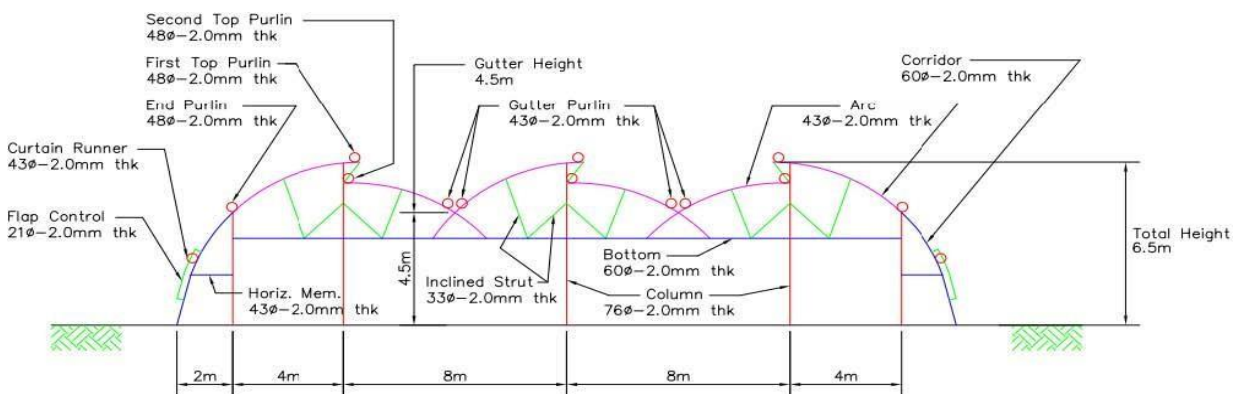






G.I PIPE STRUCTURE DETAILS:

SR.NO.	DISRIPTION	PIPE SIZE (OD) – Thickness All 2mm
1	FOUNDATION	48 mm
2	COLLUMN (Main and Second)	60 mm
3	BOTTEM CORD	48mm
4	ARCH (Upper and Lower)	42 mm
5	CENTER SUPPORT	48 mm
6	W SUPPORT	33 mm
8	GUTTER PURLIN & RUNNER PURLIN	42 mm
9	PURLIN TOP	42 mm
10	HOCKEY	48 mm
12	ANTI ROOM	42 mm



TYPICAL LINE SECTION OF TRUSS LINE

TURNKEY FAN PAD GROWBAGS WITH COCOPEAT SETUP:-

Sr no	Particulars	Model	Price
1	Polyhouse (With NHB Norms)	Fan and Pad based	Included
2	Drip Irrigation with Its Filtration Unit and Venture System	Netafim company For grow bag - arrow type dripper	Included
3	Fogging System	Foggers with Anti Drain Valves for Humidity and Temperature Control with Complete Plumbing Netafim Brand/ Equivalent 3 mtr x 2.5 mtr zig zag spacing	Included
4	Sprinklers	Roof Top Sprinklers for Plastic Cleaning and Temperature Control with Complete Plumbing Netafim Brand/ Equivalent 8 mtr x 3 mtr zig zag spacing	Included
5	Planting Material (Colored Capsicum/Cucumber)	Prepared from imported seeds from Rijk zwaan	Included
6	Trellising Work	With standard UV material, 4.8 mm GI wire for main support, 3 mm Monofilament PVC wire for secondary support, J hook for Each Plant, White UV threads for each plant support and each plant will have 2 UV Plant Clips	Included
7	Grow Bags with Cocopeat	LDPE Growbags for 12,000 Plant Capacity UV Treated Growbags for Longer Durability Low EC Cocopeat (0.5<), with Low Dust (3%>), High Moisture Holding Capacity (Low Coco Fibre)	Included
8	Weed Mat	UV stabilized 105 GSM and fitting	Included
9	Automatic Climatic Control & Electric Panel Work	Automatic sensor operated climate control system Fogger, Sprinkler and ACF controller, Wiring, Electric Panel, and other electric work	Optional
10	IoT Based Automation	IoT based Automation Program with 7-inch Touch screen display also accessible through online dashboard	Optional

11	Auto Fertigation Unit	Automatic Fertilizer Management System for complete farm with multi nutrition options and preset configurations.	Optional
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TRIVEG AUTOFERTIGATION UNIT (OPTIONAL):-

DESCRIPTION:

- Automatic Fertilizer Management System for complete farm with Multi nutrition options
- Scheduling, Grouping, Part fertigation Functions
- Volume based Fertigation
- EC and pH-based Fertigation
- 2/4+1 Nutrient Stock Solution System
- Automatic Solenoid valves for up to 4 Fertigation Zones (Brand – Baccara)
- Air Blower with Filter for Nutrient Mixing
- Touch screen display with IoT based Data logging system – Temp, RH, EC, Ph







PROJECT DEVELOPMENT TIME LINE:-

S no	PROJECT STAGES	TIME LINE
1	Fan and Pad Development	40 days
2	Growbags Installation	10-12 days
3	Irrigation System Installation	5-7 days
4	Operational Training	5 days
5	Material Procurement & Fabrication	20-25 days

TERMS&CONDITIONS:-

BUYER'S SCOPE OF WORK:

1. Water source to meet the operational requirement of the Project.
2. Site should be clear, clean and leveled.
3. Uninterrupted 3 phase power (+earthing) to be supplied near the site before work commencement & Constant and Stabilized 3 phase power supply (between 220 to 230 V AC) up to the platform/controller.

4. All labour required for project development would be on your end, our Supervisor will visit a site and will guide the workforce on chargeable basis.
5. Providing appropriate boarding facility for our workforce.
6. Total two walls of 24 meters each to be constructed for Fans and Pads mounting.
7. All necessary civil work and water arrangement will be done by client.
8. Grouting materials for foundation work will be on buyer's end.
9. All electricity and motor pumps for irrigation and pad will be on buyer's end.
10. Accommodation Facility and Drinking water on field will be provide by client
11. For Site Development Requirement of Electricity or Generator will be provided by client
12. Safety and security issues will be taken by client
13. Transportation is arranged by client if they wish to.
14. RO if required is taken care by client
15. Underground RCC work and tank to be made by client
16. Common Drainage near the site area to dispose of drained water.
17. Cement, sand & gravel for foundation grouting, tractor, trolley, levelling work for Arranged and paid by buyer.
18. All trenching to be arranged by buyer.
19. Underground tank for water storage, plumbing material for auto fertigation unit to be provided by client.
20. Above quote is only for material kit supply, all prices are ex-factory ,exclusive of all taxes and duties, all to be added extra as actuals.