COLLEGE OF AGRICULTURE, MUL (MARODA)
Distt. CHANDRAPUR

Quotation Notice

No. CoAM/ poly-net house/308 /2025
Date: 07/07/2025

Subject: Quotation for construction of polyhouse and green net house at College of Agriculture, Mul

We intend to **do the construction of polyhouse and green net house to conduct practical classes of horticulture as per new syllabus of VIth Dean committee at College of Agriculture, Mul.** Therefore, you are requested to forward your quotations (**Construction of polyhouse and green net house at College of Agriculture, Mul)** to reach this office **on or before 16.07.2025 (Wednesday) up to 5.00 PM.** as per details given as under

Details of Construction of Polyhouse

Sr. No.	Item/ Service Description	Dimensions	Area	Rate	Amount
1.	Cost of installation of naturally ventilated polyhouse with micro irrigation system				
2.	GST				
3.	Grand Total				

General specifications

Sr. No.	Item	Description
1.	Type	Naturally Ventilated Polyhouse
2.	Area	77sqm
3.	Grid/ Span	8m x 4m
4.	Centre Height	6m
5.	Side Height	4.5m

Technical Specifications/ Standards of Naturally Ventilated Polyhouse
Micro Irrigation System

1.	Drip Irrigation System	Back Wash Assly 1'' with B/F valve
		Plastic Disc Filter 1'' 50m^3,

<table>
<tr><td></td><td></td><td>PP Header Assly 1''</td></tr>
<tr><td></td><td></td><td>Pressure Guaze</td></tr>
<tr><td></td><td></td><td>Main Valve</td></tr>
<tr><td></td><td></td><td>Venturi 1'' with Rotameter</td></tr>
<tr><td></td><td></td><td>Pressure Release Valve 2''</td></tr>
<tr><td></td><td></td><td>Drip Lateral 16mm</td></tr>
<tr><td></td><td></td><td>Emitting Pipe 16mm</td></tr>
<tr><td></td><td></td><td>Discharge 4LPH, 40cm spacing</td></tr>
<tr><td></td><td></td><td>PVC Pipe 6 kg/cm^2 pressure</td></tr>
<tr><td>2.</td><td>Foggers</td><td>
<table>
<tr><th>Sr. No.</th><th>Features & Specifications</th></tr>
<tr><td>A.</td><td>Bridgeless design eliminates dripping</td></tr>
<tr><td>B.</td><td>Interchangeable components</td></tr>
<tr><td>C.</td><td>Components are acid resistant allowing the application of chemicals to pass through the system.</td></tr>
<tr><td>D.</td><td>Uniformly distributes an average droplet size of 60 micron within a pressure range.</td></tr>
<tr><td>E.</td><td>Provides perfect conditions for plant propagation.</td></tr>
<tr><td>F.</td><td>Leakage Prevention Device (LPD) for simultaneous start-up and shut down of the system</td></tr>
</table>
</td></tr>
<tr><td>3.</td><td>Fogger applications</td><td>
<table>
<tr><td>A.</td><td>Designed for cooling and humidifying polyhouse.</td></tr>
<tr><td>B.</td><td>Provides perfect condition for plant propagation and seed germination.</td></tr>
</table>
</td></tr>
<tr><td>4</td><td>Foggers Technical</td><td></td></tr>
</table>

	Specification	

Working Pressure	4.0 kg/cm^2
Working Pressure Range	3-5 kg/cm^2
Filtration Requirement	130 micron (120 mesh)
Inlet Connector	Press fit
Colour Coded	Any nozzles
Discharge	7.5 lph
Flow Rate	30 lph/pcs
Performance	4 kg/ cm^2 -1.5 m
Distance	3 m - 2.5 m
Quantity	556 pcs/4000 sqm

Details of Construction of Net House

Sr. No.	Service Description	Area	Rate	Amount
1	Cost of Construction of Tunnel Shape Nethouse with Micro Irrigation System			
2	GST			
3	Grand Total			

General Specifications:

Sr. No.	Item	Description
1.	Type	Tunnel Shape Nethouse
2.	Area	160 sqm
3.	Grid /Span	6m X 4m
4.	Centre Height	4m
5.	Side Height	3m

Technical Specification/ Standards of Tunnel Shaped Net house

Sr. No.	Item	Specifications
1.	Structure	Hot Dip Galvanised Tubular Structure.
2.	Size Of Structural Members	

Member Name	Od (Mm)	Thickness
Column	60	2mm
Bottom	60	2mm
Hockey	48	2mm
Arc	42	2mm
Member	32	2mm
Purlin	42	2mm
Runner	42	2mm
Tiber	32	2mm
Cross	32	2mm

<table>
<tr><td>4.</td><td>Fixuratures To Joint Structural Members</td><td>Different Types Of Fixtures Are Used To Join Structural Members Of Flat Net House Like Brackets,Cleats,Clamps, Nut And Bolts, Washers, Self Tapping And Self Drilling Screw Etc.</td></tr>
<tr><td>5.</td><td>Brackets</td><td>Made From The Section Like Angel. Channel.</td></tr>
<tr><td>6.</td><td>Clamps</td><td>Different Types Of Clamps Like 76/60/48 Od Are Used Which Will Be Made Up Of 42mm Wide And 2mm Thick Gp Coil.</td></tr>
<tr><td>7.</td><td>Nut,Bolt,Washers</td><td>From M12 To M6 Bolts Washers Should Be Used And They Should Be Cold Galvanised.</td></tr>
<tr><td>8.</td><td>Self Drilling Screw</td><td>These Screws Should Be Used To Assure Extra Safety. They Prevent Dislocation Of Clamps From Its Place.</td></tr>
<tr><td>9.</td><td>Foundation Pit Measurement</td><td><table><tr><td>Pit Diameter</td><td>Pit Depth</td></tr><tr><td>1.5 Feet</td><td>2 Feet</td></tr></table></td></tr>
<tr><td>10.</td><td>Foundation</td><td>Length Of Foundation Pipe Will Be 1.0m, Outer Diameter 48mm,Thickness 2mm.</td></tr>
<tr><td>11.</td><td>Bottom Apron</td><td>To Tap The Co2 Inside The Greenhouse, Bottom Apron Is Necessary The Minimum Height Of Apron Will Be 1 M From The Ground.</td></tr>
<tr><td>12.</td><td>Doors</td><td>Double Door Entry Hinged.</td></tr>
<tr><td>13.</td><td>Top Shading Or Sliding Net Of (White Colour)</td><td><table><tr><td>Shading Factor</td><td>50%</td></tr><tr><td>Gsm (Gram Per Square Meter)</td><td>Min 100 Gsm</td></tr><tr><td colspan="2">Uv Stabilised</td></tr></table></td></tr>
<tr><td>14.</td><td>Cladding Material (Mono X Mono)</td><td>To Cover Entire Structure At The Top Mono X Mono 50% Shedding, 120 Gsm.
Side Shading: Insect Net Of 40 Mesh And 12 Gsm</td></tr>
<tr><td>15.</td><td>Gi Profile For Polyfilm Fixing</td><td>“C” Type Profile Made Up Of Gi Coil Have High Strength With Lightweight,Smooth Edges, Curve Bottom Triple Spring Locking.</td></tr>
<tr><td>16.</td><td>Spring Insert</td><td>Gi Coated Wire Spring Of 2.2mm Diameter,Having Good Elasticity Is Used For Longer Life That Transfer Less Heat To The Cladding Material As Plastic Film Or Shade Net.</td></tr>
</table>

Micro Irrigation

1.	Drip Irrigation System	Back Wash Assly 1'' with B/F Valve
		Plastic Disc Filter 1''
		PP Header Assly 3''
		Pressure Guaze
		Main Valve
		Venturi 1'' With Rotameter
		Pressure Release Valve1''
		Drip Lateral 16mm
		Emitting Pipe 16mm,
		Discharge 4 Lph, 40cm Spacing
		Pvc Pipe 6 Kg/Cm2 Pressure
02.	Foggers	Bridgeless Design Eliminates Dripping
		Interchangeable Components
		Components Are Acid Resistant Allowing The Application Chemicals To Pass Through The System.
		Uniformly Distributes An Average Droplet Size Of 60 Micron Within A Pressure Range.
		Provides Perfect Conditions For Plant Propagation.
		Leakage Prevention Device(Lpd) For Simultaneous Start-Up And Shut Down Of The System
03	Fogger Application	Designed For Cooling And Humidifying Polyhouse.
		Provides Perfect Condition For Plant Propagation And Seed Germination.
04	Foggers Technical Specification	Specification

Working Pressure	4.0 Kg / Cm2
Working Pressure Range	3-5 Kg / Cm2
Filtration Requirement	130 Micron(120 Mesh)
Inlet Connect	Press Fit

		Colour Coded	Green Nozzles
		Discharge	7.5 Lph
		Flow Rate	30 Lph/Pcs
		Performance	4 Kg/ Cm2 -1.5 M
		Distance	3 Mtr - 2.5 Mtr
		Quantity	556 Pcs/4000 Sqm

Transportation Charges: The Prices Are Including Transportation.

Terms and Conditions:

1. Rates should be for Chandrapur/ Gadchiroli/ Nagpur inclusive of all taxes, insurance, packing and forwarding charges.
2. Quotation should be sent in the name of Associate Dean, College of Agriculture, Mul, Dist-Chandrapur Pin Code- 441224.
3. If rates are approved you will have to do the work within 45 (forty-five) days from the date of the supply/ work order.
4. Your Quotation should reach the undersigned on or before the date 16.07.2025, quotations received late will not be considered
5. The cost should be including transportation, installation, all taxes prescribed by govt. and everything required for construction of polyhouse and net house.

Associate Dean
College of Agriculture, Mul

Copy to: - Officer In-charge, ARIS cell, Dr. PDKV, Akola for information and to publish the same on University website.