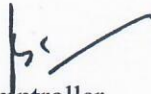


**TENDER NOTICE**

**CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur  
Central Purchase & Disposal Unit  
Office of the Comptroller**

**Tender for the Construction of Hi-Tech Mist Propagation chamber**

Sealed tenders addressed to the Comptroller, CSK HPKV, Palampur are invited for the Construction of Hi-Tech Mist Propagation chamber for the multiplication of blueberries (as per detail given in Annexure-I) from Sole/Reputed Manufacturers/Suppliers or their stockiest/authorized dealers so as to reach this office on or before **15-08-2024 upto 5.00 PM**. The tenders so received shall be opened in the office of the Comptroller, CSK HPKV, Palampur on **16-08-2024 at 11.00 AM** in the presence of tenderer or their authorized representatives who wish to be present. The tender form alongwith terms and conditions can be downloaded from University Website [www.hillagric.ac.in](http://www.hillagric.ac.in). The tender must be accompanied with a Bank Draft of Rs.3000/- (Rs. three thousand only) payable in favour of the Comptroller, CSK HPKV, Palampur HP-176 062 and drawn at SBI, HPAU, Palampur as Tender Fee (Non-Refundable). The tender without tender fee will not be entertained.

  
Comptroller,  
CSK HPKV, Palampur


**CHAUDHARY SARWAN KUMAR H.P. KRISHI VISHVAVIDYALAYA PALAMPUR**  
**Central Purchase & Disposal Unit**  
**OFFICE OF THE COMPTROLLER**

**Tel: 01894-230364**  
**FAX: 01894-230364**

**PREVIEW OF TENDER**

**REFERENCE No. QSD/CPDU/2-58/(Tender) /-**


DATE OF ISSUE OF TENDER DOCUMENT	:	20-07-2024
LAST DATE FOR RECEIPT OF TENDER	:	15-08-2024 up to 5.00 PM
DATE AND TIME FOR OPENING OF THE TENDERS	:	16-08-2024 at 11.00 AM
PLACE OF OPENING OF THE TENDERS	:	CHAMBER OF THE, COMPTROLLER, CSK HPKV, PALAMPUR
ADDRESS FOR COMMUNICATION	:	THE COMPTROLLER, CSK HPKV, PALAMPUR HP-176 062

  
Comptroller,  
CSK HPKV, Palampur

**CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur**  
**Central Purchase & Disposal Unit**  
**Office of the Comptroller**

**TERMS AND CONDITIONS**


1. The Tender should reach in the O/O the Comptroller, CSK HPKV, Palampur in sealed cover and super-scribed "Tender for Construction of Hi-Tech Mist Propagation chamber for the multiplication of blueberries on 15-08-2024 by 5.00 PM. The Tenders will be opened on 16-08-2024 at 11.00 AM in the presence of quotee or their authorized representative, if present.
2. The rates should be quoted F.O.R. CSK HPKV, Palampur inclusive of all charges. Nothing will be paid extra.
3. Price list should be attached.
4. The quantity of materials can be increased or decreased.
5. The Comptroller also reserves the rights to consider or reject any of the Tenders without assigning any reason.
6. The supply of the material is to be made by the supplier immediately.
7. The Tender received after due date will not be considered.
8. The condition of advance payment or through cash etc. will not be considered.
9. The Tender should be submitted only if the items can be supplied promptly on demand. The price quoted should be strictly according to the specifications stated above.
10. The payment will be made after satisfactorily Inspection Report of the Inspection Committee so constituted for the purpose by the University.
11. Each Tender should be accompanied with a refundable earnest money @ 2%, if the total amount for the supply of the material exceeds Rs. 1.00 lakh in the shape of fixed deposit receipts/TDR/DD in favour of the Comptroller, CSK HPKV, Palampur. Without EMD the quotations will not be considered.
12. The supplier will adhere to the provision of Motor Vehicle Act for transportation of material.
13. Performance security will be obtained from successful bidder @ 5% of the awarded material.
14. GST may be shown separately, copy of GST registration be enclosed with Tender and GST No. may be mentioned in the quotation.
15. The E-way bill is to be required along with actual bill.
16. Authorization Dealer Certificate and warranty certificate duly attested must be attached with Tender.
17. The Tender should accompany the satisfactory user report/certificate from the Institutions to whom the said equipment earlier supplied by the firm.
18. The conditional Tender will not be entertained.
19. All disputes shall be within the jurisdiction of Palampur Court.

  
Comptroller,  
CSK HPKV, Palampur.

**SPECIMEN OF AGREEMENT TO BE SIGNED BY THE FIRM AND UNIVERSITY  
ON NON-JUDICIAL PAPER**

It is hereby agreed upon that the Construction of Hi-Tech Mist Propagation chamber for the multiplication of blueberries will be made to the University well in time strictly as per specifications, rate and terms & conditions agreed in the Tender. The terms and conditions of Tender Documents are the part of the agreement. On any breach of these terms and conditions the rate contract shall be cancelled and the security so pledged in the University in this regard, shall stand forfeited.

Name of Firm with  
Signature & Stamp

  
Asstt.Registrar(CPDU)  
CSKHPKV, Palampur

**HI-TECH MISTPROPAGATION CHAMBER**

SR	PRODUCT NAME	DISCRIPTION	QUANTITY
1	HI-TECH MISTPROPAGATION CHAMBER	<p>1. <b>Shape:-</b> Hut/A type</p> <p>2. <b>Total Area:</b> 66.15 sqm</p> <p><b>2.Dimensions:-</b> Area-Length 10.50 m; width 6.30m; Side height 2.5 m; Centre height 3.5m •Buffer Room: 2.1 m ×2.1 m size, with Doors of size 1m×2 m</p> <p>3. <b>Structure:</b> - Hot dipped GI Pipe of 50mm × 50 mm, 38mm × 38 mm as per ISI standard anti corrosive, humidity resistant, zinc coated. Doors of size 1m × 2m 2mm thickness</p> <p>4. <b>Strength/Load:-</b> The structures would be designed to withstand wind load of 100 km per hour and snow load of 1m.</p> <p>5. <b>Gladding:</b> - All four sides and roof covering with double UV stabilized multi wall 6 mm polycarbonate sheet of ISO certified to be fixed with aluminum profile section, polycarbonate sheet shall be antifungal, anti- drip, and anti-fog, anti-dust.</p> <p>6. <b>Foundation:-</b> 30cm × 30cm ×75 cm cement concrete 1:2:4 below ground level, Brick wall 1:3:6 laid on soiling of 9'' width , 18'' above earth's surface and 12'' below earth surface. •  <u>Inner Flooring with inter locking tiles</u></p> <p>7. <b>Shading system:-</b> UV stabilized 50% shade net to be provided at ridge height inside the green house (manually operated).</p> <p>8. <b>Side window:-</b> manually operated two opposite sides along the length of the green house protected by UV stabilized insect net 40 mesh.</p> <p>9. <b>Fogging/misting system:-</b>Nozzles: Hanging type micro misting, water discharge: 28 LPH per fogger. Quantity: as per requirement (2×2.5 m), Lateral pipe: 16 mm (LDPE Black). Water storage tank: PVC 1000 Lt ISI mark, triple layer, pump1.0hp</p> <p>10. <b>Control panel:-</b> Digital Temperature and humidity controllers with sensors to operate each separately by automatic control system.  ECS technology for cooling system ECS constructional material : Eco friendly, 18 GA GI section tray side top etc cooling media 100mm thick cellulose pad at velocity of 1 to 3m/s give efficiency, From 60 to 95 % filtration joshi ISI 25 to 55 viscous in line micro fiber filter for 30 micron efficiency Miscellaneous faster galvanized, Rivet- aluminum  Pvc pipe 20mm/25mm/32mm with elbow &amp; tee for flow &amp; drain pipe water tank pvc loft tank 500 liter monoblock pump set 1 HP with thermal protection ( Crompton / servo make)</p> <p><u>Axial flow fan 48'' 2 nos</u></p> <p><u>Technical Parameters of Celdek Cellulose pad:</u>  Evaporative cellulose pads are made from a specially formulated</p>	

cellulose pad impregnated with special compound to prevent rot early moss formation and ensure long service life. Celdek pad is made of specially impregnated cellulose and treated to provide efficient wicks.

Paper ambient condition 25°C - 45°C. Estimated cooling load 101 520 BTU /hrs. Total water flow 7.56 LPM per sq.ft. of the top pad surface bleed of equal to zero of total water flow. 45% bleed = 45%. Nominal Efficiency 88% bleed 10%. Temperature : 10 to 120 below ambient @ 45 % RH. Cooling pad size: 16 mtr x 1.5x100 mm

**EVAPORATIVE COOLING SYSTEM (ECS):** fan & pad system with celdek cellulose pad to acquire proper cfm of air movement per sq.ft. of area will be provided in to lessen water pollution the bleed of rate will be set to a 10-w valve technology 5% less than the evaporation rate slow water contamination and efficiency water flow online water filter capacity calculation don required water flow will be provided.

Microprocessor Photosynthesis control panel for Temperature humidity and light will be fixed in buffer area. Relative humidity + temperature real time microprocessor controller programmable photoperiodic controller cyclic timer mains switch (rotary) L&T MAKE. Individual indicator

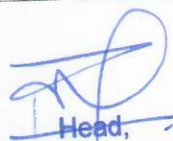
#### **TECHNICAL SPECIFICATION :**

Microprocessor photosynthesis monitor panel with mains ON/OFF switch (reputed make) light indicator from main light heating cooling & humidity. Relative humidity + temperature real time microprocessor controller input RH+ Temperature sensor display RH: Upper 4 digits 7 segment LED display Accuracy RH: +/-3 % rh TEMPERATURE +/-0.3% DEG C

#### **Micro Climatic Temperature Controller Specification :**

Feather touch operation set point locks within the setting panel to protect setting change level lock to ensure that the parameter can be read but cannot be changed sensor failure indication real time micro processor based PID Controller 4 digital LED display for displaying measured (14mm 8 mm)/ displaying setting soft touch operation platinum sensor probe prt -100 secretion of unit Oc OF DISPLAY resolution 0.1 o automatic

**11 Benches consist** of Gi Round pipe 20 mm x 2mm thick. Nut bolts, bench top width will be 0.9m (0.45 m one partition + 0.45m 2 nd partition). Length 15 Rm . 8 benches off 6.25 m each. Aluminum tee 30mm x 30mm to support plastic tray. G.I. rust resting benching fixed



Head,

Deptt. of Horticulture & Agroforestry  
CSKHPKV, Palampur