

**Request for Proposal (RFP) for Rapid Generation Advance Facility - refurbishment of the existing polyhouse at Indira Gandhi Krishi Vishwavidyalaya (IGKV), Raipur (Last Date: Nov 30, 2022)**

CIMMYT India invites sealed proposals from reputed companies for refurbishment of the polyhouse. The detailed technical specifications of the work to be done are as follows:

**Conversion of Existing Structure of Natural Ventilation Polyhouse size 106 m x 38.4 m in Control chamber 106 m x 28.8 m**

**Control system** - Microclimate Control Panel for Temperature, Heater, Circulation fan and manual operating option and voltmeter, RYB indicator etc.

Technical feature of Temperature Control System

Accuracy:  $\pm 1^{\circ}\text{C}$

**Structure Framework:** Cooling Pad & fan system & partition for Center corridor both side (38.4mx4.5m) with GI Pipe 50mmx50mm, 38mmx38mm with SDS screw, nut bolt etc.

**Covering** for Cooling Pad side is 106mx 3 m with 200-micron UV poly film fixed on Profile Spring.

Covering for fan system side 106 mx 4.5.m x with 200-micron UV poly film fixed on Profile Spring

Conversion of Covering partition of existing structure size 106m x38.4m is 106m x9.6m (total Control polyhouse area is 106m x 28.8m)

Required zigzag Spring, Lockable profile with SDS Screw.

**Evaporative Cooling System: 2 set**

1) 1.8m height x 50m length x 100mm thick evaporative Cellulose CELDEC Imported, cooling pad (Make Munters) complete with all necessary framing material of Aluminum required supporting distribution & returning piping.

Gutters, down spout end caps & drip pan, plumbing kit, Required Pump, 440 volt - 3 phase 50 cycles, Drilled PVC piping cap, pad retainer, all suspension hardware.

Metal flashings as required to seal pad to vent opening, 100 " thick Evaporative cooling pad material.

Pad Area: Lengthwise  $\times 1.8\text{m} \times 4''$  (w x h x Thickness)

Aluminium Profiles: Tray Sides, Top Etc. Plastic Profiles: Water Distribution tray. Cooling

Media: 100 mm thick Celdec 7090/500. At velocities of 1 to 3 M/s to give efficiency from 60 to 95%. Filtration: 25 to 55 mm viscous filter for 30 m efficiency.

**Miscellaneous:** Fasteners, Galvanized, Rivet- Aluminum.

2) **Slow Speed Axial Flow Fan-** 48" single speed belt driven exhaust fan, 440V, 50 cycles, 3 phase) with Louvers opening /closing assembly- Qty15 (**Total fan is 20 Nos, 5 Fans to be provided by Department, IGKV**).

**Underground C.C. water Tank with brick wall & duly plaster inside water proofing qty 6000 litres x 2set**

**Heater Convector system** qty16: Electric heat blower system 2.4 KW. Complete uniform heat circulation system to be given, so that the heat can be blown in the complete area.

**Side Rolling by Existing structure for both side Gable 28.8m x4.5m (Lx H),** Side rolling for existing Polyhouse included, clamp, Gear box with both sides gable balcony box qty 4 with 32mm GI pipe & Required Profile spring SDS Screw, nut bolt etc.

**Micro sprinkler system:** Replacement of Micro sprinkler nozzles qty 320, PVC Pipe & Required Pump with fitting accessories existing LLDPE lateral pipe.

**PVC Pipeline for Flood irrigation 63mm PVC Pipe, socket & other fitting accessories with connected to main source.**

#### **Electrical Wiring.**

All wires will be of copper and desired load and switches, extra switches should also be provided as standby. Each feature should have own electric line with MCB and will be underground in PVC pipe complete set with A grade work with 35mm 4 core.

#### **Terms and Conditions:**

1. Please submit Technical and Financial Proposals in separate envelopes within one master envelope in the name of CIMMYT India to following address latest by Nov 30, 2022:

##### **CIMMYT India**

**G-2, B-Block, National Agricultural Science Centre (NASC) Complex,  
DPS Marg, New Delhi - 110012  
Tel:011-25842940**

- Envelope should be superscribed with 'Proposal for Rapid Generation Advance Facility''
- Interested Companies may visit IGKV and see the existing polyhouse before submitting their proposal.
- CIMMYT India may call for technical presentations from the shortlisted companies, as required
- Signed & stamped proposals on company's printed letterhead should be sent through courier/post/by hand; hand written proposals will not be considered.

#### **Technical Proposal should contain:**

1. Drawing/ Diagram with detailed specifications of the refurbishment of the polyhouse
2. Quality and Grade Specification of the Material to be used
3. Client List of the Company
4. Previous Work Experience of similar nature
5. Comprehensive and Operational Warranty: Minimum two year (s)
6. Work Completion Time Frame (Delivery Time Frame) :

**Financial Proposal should contain:**

1. Signed & stamped quotation on co. letterhead should be sent; handwritten quotes will not be accepted.
2. Prices should be FOR Destination at IGKV Raipur.
3. Any applicable taxes (including GST) should be mentioned extra.
4. Payment terms should be mentioned: Preferably after refurbishment, installation of all items specified and fully operational structure with specific environmental controlled conditions.
5. Validity of Quote should be mentioned: Minimum of 180 days (6 months)
6. Installation and training/ demonstration cost should be inclusive
7. Scan copy of PAN Card, GSTIN and Cancelled Cheque should be enclosed
8. ITR and audited balance sheet to be provided for the last 3 years.
9. Quotation should be submitted as per below format:

<b>S. No.</b>	<b>Particulars</b>	<b>Total Cost (INR)</b>
1.	Cost of refurbishment of the polyhouse	
2.	Any other line item	
3.		
GST @ .....%		
<b>Total Cost (In figures and words)</b>		

**Disclaimer:**

1. Selection of service provider for purchase of goods/ services will be done at the sole discretion of CIMMYT. This RFQ may also be cancelled at any time without any prior notice to service provider (s) at the discretion of CIMMYT's Management without any liability to CIMMYT whatsoever. E-mail or Telephonic queries with regards to selection process/progress of the procurement will not be entertained.
2. The potential vendor/s may be asked to give a presentation of their product/services to the concern person/s at CIMMYT as a part of the evaluation of the proposal submitted.