



भारतीय कृषि अनुसंधान परिषद.
उत्तरपूर्वी पर्वतीय क्षेत्र अनुसंधान परिसर
उमियम, मेघालय – 793 103
INDIAN COUNCIL OF AGRICULTURAL RESEARCH
ICAR Research Complex for NEH Region
Umiam, Meghalaya – 793 103



File No.RC(S)26/2017/NEC

Dated Umiam, 10th August, 2017

Open Tender Notice

Sealed bids are invited on behalf of The Director, ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya – 793103 from the reputed registered firms having experiences and expertise in construction and installation of Naturally Ventilated Poly House as per detail specifications of the item and terms & conditions etc. are as given below:-

1. The consolidate cost of Tender document **Rs.500/-** (Rupees five hundred) only (Non – Refundable) to be deposited in favour of the Director, ICAR Research Complex for NEH Region, Umiam by means of Demand Draft/Banker's cheque payable at State Bank of India, ICAR Complex Branch, Umiam(12464), Meghalaya. Non – submission of the cost of Tender document shall lead to non – consideration of the Tender.
2. Each quotation should consist of two Bids, namely “**Bid I – Techno – commercial bid**” and **Bid II – Financial bid**”. Both must be submitted in two separate envelopes to be sealed, super scribed as ‘Bid I or Bid II’ and **must be put in a single outer main cover**. The single outer main cover should be superscript as “**Tender No. RC(S)26/2017/NEC dated 10/08/2017 due on 04/09/2017 for Construction and Installation of Naturally Ventilated Polyhouse under NEC Project entitled “Integrated Horticulture including Fisheries for NEH Region of India”. and addressed to “THE DIRECTOR, ICAR RESEARCH COMPLEX FOR NEH REGION, UMIAM, MEGHALAYA – 793103 (INDIA)”**. The bidding firm should mention their complete address. The cover letter, consolidated cost of the Tender and Earnest money for **Rs.60,000/-** (Rupees sixty thousand) only along with all other Technical details should be mandatorily kept in Techno – commercial Bid (Bid I). The Financial Bid (Bid II) should consist of the Rates, their detail break – up etc as mentioned at Annexure IV. **Non-compliance of these shall lead to non-consideration of the Bid**. Financial bids of technically acceptable firms shall only be considered for further evaluation. The sample format for submitting Techno – commercial Bid is given in Annexure-I. Checklist of Bid document is attached as Annexure II and mandatory undertaking by firm is attached as Annexure III.
3. All Tender should be sent through Registered Post. Tenders to be hand delivered should be put in the Tender Box, kept in the office of the Director, ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya – 793103. Bid document sent through Email shall not be considered. **The tender should reach to the office on or before 04/09/2017 not later than 12.300 p.m** Tenders received after due date and time shall not be considered under any circumstance.
4. The Firm should have minimum experience of 3 years of designing, installing and operations of similar works for Institute/Govt. Organizations within NE India. Furnishing of related documents like detailed specifications, technical literature, product certificate, company registration certificate/trade registration certificate, complete supply details of the last 3 years, minimum five similar Work orders with completion certificate etc. is mandatory, failing in which the quotation shall not be considered.

[Signature]

5. The bidder should properly assess the material needed and work to be executed to deliver a Functional Poly House having given specifications. Any possible omission or inclusion of items for quality implementation need to be taken care while offering the quote.
6. Dealership /Authorization certificate from the principal firm should be enclosed if the rates are quoted by the dealers/agents.
7. CGST/SGST (up to date) as applicable and last 3 years financial standing etc. should be enclosed.
8. The rates quoted should be up to State wise (Door delivery) and the construction and installation should be done at various locations (As per Annexure – I) within the NEH States. The quoted rate should be in Indian Rupees. The rates must be valid for a minimum period of one year from the date of quotation. **The bidder has to submit separate rates (per Sq. Mtr. basis) with engineering specification and relevant designs and drawings.** The rates inclusive of tax, transportation charges, material costs, labour cost, supervision charges, etc has to be submitted both in figures and words.
9. Price quoted (in INR) must be given per unit including all packing, forwarding, delivery charges, construction and installation charges, permissible taxes, duties, Taxes etc. as may be applicable. The ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya – 793103, shall not be responsible for payment of transit insurance charges. Price quoted should be in words and in figures. If needed, necessary Road Permit will be provided by the Institute.
10. All bidders should mandatorily give their valid PAN Card No. (Photocopy of the PAN card to be enclosed), TAN (if any) and Bank A/C details (Name, Account No., Bank, Branch, IFSC Code and MICR Code etc.) along with the bid to enable the office for releasing the dues via e – payment.
11. The Firms shall have to deposit an earnest money of **Rs.60,000/-** (Rupees sixty thousand only) in the form of Demand Draft drawn in favour of the Director, ICAR Research Complex for NEH Region, Umiam – payable at State Bank of India, ICAR Complex branch, Umiam (12464) as bid security along with the quotation. The cost of tender as well as the earnest money along with all other Technical Details should be mandatorily kept in the Techno – commercial Bid only. Non – submission of the earnest money with bid document shall make the quotation liable to be rejected. The earnest money of non – successful bidder will be refunded after bids are finalized. **Government agency and firm registered with Central Purchase Organization, National Small Industries Corporation and Ministry of Micro, Small and Medium Enterprises are exempted from depositing earnest money.** Bidder claiming such exemption must enclose relevant certificate/documents.
12. The firm must have **ISO – 9001 : 2008 and ISI Certificate for Greenhouse and accessories.**
13. All Documents should be Self Attested Photocopy
14. **The successful Bidder has to deposit Performance Bank Guarantee (10% of the Supply order amount).** The bank guarantee should cover the entire guarantee/warranty period which should be of at least one year duration. The Earnest Money will be refunded and payment will be released only after receipt of Performance Bank Guarantee.
15. The construction and installation should be completed in time and with F.O.R. NEH States destinations/door delivery. The selected bidder must complete the supply/

installation/demonstration within the stipulated time limit to be mentioned in the supply order. Supply to be made by at supplier's risk otherwise specified. In case the firm fails to execute the construction and installation within the time limit, the bid security would stand forfeited and the supply order shall be deemed to be withdrawn without any notice.

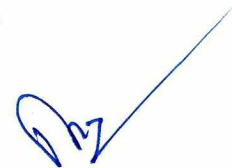
16. The guarantee/warranty should be from the date of installation/completion. Minimum one year warranty certificate has to be invariably furnished. The firm should have their local branch office in North East India.
17. No advance payment/ part payment shall be made against the order. No additional charges above the quoted price shall be entertained. Payment shall be made on successful installation and demonstration (which should be free of cost and must be completed before payment) by the firm/dealer, followed by verification & certification by the concerned official. Bill in triplicate should be submitted through the concerned J.D. & I/c., of the Regional Centre of ICAR/PC of KVKs/HOD Horticulture of the respective places for release of the final payment after successful completion of work.
18. All bidders shall give an undertaking as given in Annexure III on their official letter head duly signed along with official seal that they fully and unconditionally agree to abide by all the terms & conditions which, if needed, may be modified at the discretion of the Competent Authority in supply order, for which confirmation from the supplier shall be taken. Non – submission of the undertaking may lead to rejection/non – consideration of the tender.
19. The bidders should mandatorily sign on every page of the Tender Document, which would show their unconditional acceptance of all the terms and conditions of the Tender Document.
20. The Institute does not pledge itself to accept the lowest or any other tenders. The institute is also not bound to accept the tender in whole and Institute has right to accept the tender in parts. The tenderers are however, at liberty to tender for the whole or any portion of it or to state in the tenders that the rates quoted shall apply only if the tenders are considered fully. Other conditional tenders will not be accepted.
21. The Director, ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya 793103 reserves the right to reject any tender in part or full without assigning any reason thereof. The decision in this regard shall be final for any aspect of the contract and binding on all parties.
22. Disputes arising, if any will be settled by mutual consultation and in case of failure of settlement dispute shall be referred to the sole arbitrator to be appointed by the Director, ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya 793103. The decision of the sole arbitrator so appointed shall be final and binding on both the parties. Otherwise, all dispute arising related to this contract will be settled in the Court of Law at Shillong, Meghalaya and verdict of the Court of Law shall be binding to both the parties.
23. Tender shall be opened on 04/09/2017 at 02:30 PM in the office of the Director, ICAR Research Complex for NEH Region, Umroi Road, Umiam, Meghalaya 793103. Interested bidders or their authorized representative(s) may attend the opening. No enquiry or unlawful pursuance about the quotations will be entertained.
24. If the above mentioned closing and opening day of the tender happens to be non-working day, the tender will be received and opened on the following working day at the same time.



25. Other terms and conditions, as may be decided by the Competent Authority will be intimated from time to time, depending upon the conditions and requirement of the supply. The intimation in this regard shall be provided well in advance and the bidder/suppliers shall be bound by the said terms & conditions.
26. For any query/clarification, the undersigned may be approached at (Email) storesection@yahoo.in on any working day (10.00 am to 4.00 pm).
27. The selected tenderers must complete the Work/installation/demonstration within 60 (sixty) days from the date of work order due to time factor or the said orders shall be treated as cancelled and no further correspondence will be entertained.

Please read the instructions carefully and enclosed all the relevant documents along with bid so that quotation is accepted by the Institute.

Sd/-
DIRECTOR



Annexure –I
TECHNICAL SPECIFICATIONS
TENDER SCHEDULE

Name of work: - Construction of Poly house of 200 Sq.m area at Arunachal Pradesh.

Location/Construction sites: ICAR, Arunachal Pradesh Centre

1. Longding, Namsu, Khellong, Nafra and Basar District of Arunachal Pradesh

Sl. No	Technical Specifications	Technical specification offered by the firm(to be submitted on official letter head)
	1. Side height 4 m, centre height 5.5 m, Arc shape 2. 200 micron UV stabilized poly film having 80 5% light transmission. 3. External shading by 75% shading net. 4. Manually operated drip irrigation system with natural floor 5. Roof water harvesting structure.	
	Total quantity 5 nos	

TENDER SCHEDULE

Name of work: - Construction of POLYHOUSE OF 400 Sq.m AREA at Manipur.

Location/Construction sites: ICAR, Manipur Centre

1. Shirui District, Laikoiching District, Ukhrul, Hundung, Chandel and Tamenglong District of Manipur

Sl. No	Technical Specifications	Technical specification offered by the firm(to be submitted on official letter head)
	Site development: Need based leveling, cleaning etc Dimension: Minimum 400sq.m Floor: Natural (No concrete flooring required) Height: 4-6m at the top and 3m at side depending up on the location/site Foundation (civil work): 1m above and below the earth surface and 6 inches concrete foundation (plastered with cement) above the earth surface all around the tubular structure. Structure (Columns, purlin and trusses): Made of tubular G.I pipe of 75-76 mm ± 2 mm, 46-48mm ± 2 mm, 38-40mm ± 2 mm and 30-32mm ± 2 mm wherever applicable. Pole to	

pole distance should be maximum 2.50m. pipe structural members to be fitted in plated nuts, bolts and washers without welding. Clamps and nuts bolts should be well compatible and galvanized. Galvanized bolts & nuts, 50 to 110mm long with plain washers should be provided as per requirement and with quality plating. The entire structure must be painted with rust proof silver paint.

Roof: the roof should be covered by UV stabilized polyethylene sheet (minimum 200 microns). Inside polyhouse, 50% shade net should be fixed below the roof (3.0-3.5m above the ground)

Gutter: About 4.0m \pm 1m in height, minimum 1.0mm thick G.I sheet with 500 mm perimeter trapezoidal section, as spill over the gutter under maximum rain conditions to be bolted to purlin with plated nuts and bolts.

Top vent: Minimum 6.0 m with suitably overlapping open vent of 1.0 m to 1.5m to avoid rain showers entering inside the green house ant to ensure good ventilation and roof vent with insect proof net (maximum 25 mesh & below).

Side wall: the Side wall/cladding should be covered with diffused/clear UV stabilized polyethylene sheet (Minimum 200 micron) 0.5 m below the ground level and up to 1.5 m above the ground, then UV stabilized 40-50 mesh white insect proof net up to the top. The outer side of the insect proof net should be curtain with foldable handle on both sides on all four corners, protected with single nylon wire (4.0-6.0 mm) at the outer. The UV stabilized polyethylene sheet should be thermic, anti drip and anti-dust type. C type aluminum profile should be provided to fix plastic film to the structure by means of self tapping screw. Zizag spring insert should be provided to fixed shade net to aluminum profile 2-2.5 mm diameter of galvanized spring wire. Wire material should be high carbon steel with spring action.

Entrance: Entrance should be double door system with double locking facility. A small buffer chamber (2m x 2m x 2.5m) should be constructed at the entrance of the poly house. The roof and side walls of the buffer room should be covered with UV stabilized polyethylene sheet (minimum 200 microns).

Irrigation system: Drip irrigation system (for 400 sq.m) with minimum 1.5HP diesel operated pump (1 No.), minimum 1000 L water storage tank (1No.), screen filter (1 No.), disc filter (1 No.) including connection line, main line and distribution line PVC pipe), minimum 6 lateral lines (poly tube), main control valve (field gate valve) and line filter with accessories etc. the pipes, nozzles and accessories should be made of UV protected material and suitable for fertigation. One venturi system with complete set should be provided.

Electrification: complete set with panel board, cable drawing, copper wiring, water [roof casing, MCB for overload protection etc.

Certification: all parts/components including structures,

	<p>irrigation system, pump, tank, filters, pipes, electrical parts must be certified by ISI or equivalent standard. The cladding material must conform to National or International standards.</p> <p>Warranty: Minimum one year on-site warranty.</p> <p>Operational feature: Solar pump sufficient to run the system (Price should be indicated separately in the financial bid) as the site of installation may not have electricity supply.</p>	
	Total quantity	6 Nos

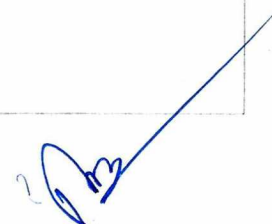
TENDER SCHEDULE

Name of work: - Construction of POLYHOUSE OF 200 Sq.m AREA at Meghalaya.

Location/Construction sites: ICAR, Meghalaya

1. Umsning, Ri-Bhoi District, Nongrum Mawphlang Village, Mawphlang (East Khasi Hills), Thainthynroh Lyngiong, Lyngiong(East Khasi Hills) & West Jaintia Hills,Niriang Village

Sl. No	Technical Specifications	Technical specification offered by the firm (to be submitted on official letter head)
	<ol style="list-style-type: none"> Natural ventilated poyhouse of minimum size 200 sq.mtrs (8m x 25m) Height: 5m at the top and 3 m at side depending upon the location/site Site development: Need based leveling, cleaning etc Structure: Tubular structure: 76 OD 1.8mm + 2 thick tabular structure:48mm OD and 42/43 OD for centre Tabular structure: Bottom horizontal 60mm OD G.I Pipe, Top chords and truss members 48mm OD and 43mm OD, Bracing 32mm OD, G.I pipe structural members to be fitted in plated nuts, bolts and washers without welding. Roof: the roof should be covered by UV stabilized polyethylene sheet (minimum 200 microns). Gutter: About 3.0m + 1m in height, minimum 1.0mm thick G.I sheet with 500 mm perimeter trapezoidal section, so as to avoid spill over the gutter under maximum rain conditions to be bolted to purlin with plated nuts and bolts. Side wall: the Side wall/cladding should be covered with diffused/clear UV stabilized polyethylene sheet (Minimum 200 micron) 0.5 m below the ground level and up to 1.5 m above the ground, then UV stabilized 40-50 mesh white insect proof net up to the top. The outer side of the insect proof net should be curtain with foldable handle on both sides on all four corners, protected with single nylon wire 	



	<p>(4.0-6.0 mm) at the outer. The UV stabilized polyethylene sheet should be thermic, anti drip and anti-dust type. C type aluminum profile should be provided to fix plastic film to the structure by means of self tapping screws. Zigzag spring insert should be provided to fix shade net to aluminium profile 2-2.5mm diameter of galvanized spring wire. Wire material should be high carbon steel with spring action.</p> <p>i. Entrance: Entrance should be double door system with double locking facility. A small buffer chamber (2m x 2m x 2.5m) should be constructed at the entrance of the poly house. The roof and side walls of the buffer room should be covered with UV stabilized polyethylene sheet (minimum 200 microns).</p> <p>j. Irrigation system: Sprinkle irrigation system (for 300 sq.m) with minimum 1.5HP diesel operated pump (1 No.), minimum 1000 L water storage tank (1No.), screen filter (1 No.), disc filter (1 No.) including connection line, main line and distribution line PVC pipe), minimum 4 lateral lines (poly tube), riser (with end plug, lock, base, removable stand etc,) main control valve (field gate valve) and line filter with accessories like joints, reducers, elbows, tees, regulators, coupler with foot batten assembly, connecting nipple bend with coupler (90degree) etc. the system should also have butterfly sprinkler head, rotating options, different water flow rates, at least two water trajectories and anti-ant mechanism. The sprinkler head should be made of UV protected material, frost fighting, dust cleaning; festination etc. one venture system with complete set should be provided.</p> <p>k. Rooftop water harvesting structure.</p>	
	Total quantity	4 Nos.

Annexure -II

Check List of Bid Document:

S.N.	Type of Bid	List of Documents
A.	Techno – commercial Bid (All documents in a single envelop, sealed and superscribed as 'BID-I'	<ol style="list-style-type: none"> 1. Cover letter. 2. Tender fee or Exemption certificate. 3. Earnest money or Exemption certificate. 4. Open Tender notice (duly signed on each page by the tenderer). 5. Detailed specifications on official letter head duly signed by the tenderer along with seal. Engineering specification and relevant designs and drawings as per the given specifications. 6. The bidder should properly assess the material needed and work to be executed to deliver a Functional Poly House having given specifications. Any possible omission or inclusion of items for quality implementation need to be taken care while offering the quote. 7. Authorization letter, Company registration certificate, Trade registration certificate, ISO/ISI certificate etc.(whichever is applicable). 8. Dealership/Agency certificate from the Principal firm if the rates are quoted by the dealers/agents. 9. Complete supply details of the last 3 years. 10. Minimum five similar Work order with completion certificate in the North East India. 11. Sale tax certificate, tax clearance documents etc. (up to date). 12. Valid CGST/SGST registration certificate (whichever is applicable). 13. Photocopy of the PAN. 14. Last 3 years financial standing. 15. Bank A/C details (Name, Account No., Bank, Branch, IFSC Code and MICR code, etc.). 16. Undertaking on official letter head duly signed by the tenderer along with seal. 17. Other credentials (if any).
B.	Financial Bid (All documents in a single envelop, sealed and superscribed as 'BID-II'	<ol style="list-style-type: none"> 1. Rate quotation inclusive of all packing, forwarding, delivery charges, permissible taxes, duties, CGST/SGST, fabrication charges etc. as may be applicable. 2. Commercial terms and conditions (if any).

Annexure – III

(to be submitted on official letter head)

UNDERTAKING

I, _____ (Name of the Tenderer) _____ on behalf
of _____ (Name of the Firm/Manufacturer/Dealer/Agent)
_____ am fully and unconditionally agree to abide by all the terms &
conditions as mentioned in the Tender Notice No. _____ for construction
of Naturally Ventilated Polyhouse.

Date:

Signature:

Place:

Name:

Official Seal:

Annexure IV

Financial Bid Format (to be submitted on official letter head)

To,
The Director,
ICAR, Research Complex for NEH Region,
Umiam, Meghalaya.

Sub: Financial bid for construction & installation of naturally ventilated poly House.

Reference tender No. with date

Sir,

With reference to the subject and tender notice no. cited above, I on behalf of
am submitting the financial bids for construction & installation of Naturally ventilated poly House.

S.N	Name of the item	Area for construction	Qty	Rate offered in INR	Amount in figure & in words)
1.	Naturally ventilated poly house (Manipur Centre)	Shirui District	1		
	-do-	Laikoiching District	1		
	-do-	Hundung District	1		
	-do-	Ukhrul District	1		
	-do-	Chandel District	1		
	-do-	Tamenglong District	1		
2.	Naturally ventilated poly house (Arunachal Pradesh Centre)	Longding District	1		
	-do-	Namsu, West Kameng District	1		
	-do-	Khellong, West Kameng District	1		
	-do-	Nafra, West Kameng District	1		
	-do-	Basar, West Siang District	1		
3.	Naturally ventilated poly house (ICAR, Umiam, Meghalaya)	Umsning, Ri-Bhoi District,	1		
	-do-	Nongrum Mawphlang Village, Mawphlang (East Khasi Hills),	1		
	-do-	Thainthynroh	1		

		Lyngiong, Lyngiong(East Khasi Hills)			
	-do-	West Jaintia Hills,Niriang Village	1		
	G. total				

G. total in words

I also certify that the rates offered are valid for..... from the date of tender.

This is your kind consideration.

Thanking you,

Yours faithfully,

Date:

Signature:

Place:

Name:

Official Seal: