



Indian Council of Agricultural Research

ICAR Research Complex for NEH Region

Umroi Road, Umiam, Meghalaya – 793 103



No. RC/EC-234/NAIP/Horti/2013-14

Dated Umiam, the 20th November, 2013.

Open Tender

Sealed Tenders bids are invited from Reputed Firms by the ICAR Research Complex for NEH Region, Umroi Road Umiam, Meghalaya for the **Construction of High Tech Automated Nursery facility for Horticulture-reg** as per the enclosed specifications. The Terms and Conditions governing the Tender are given below:-

1. Cost of tender paper Rs.1000.00 (**Rupees one thousand only**) (Non-refundable) to be deposited in favour of the Director, ICAR Research Complex for NEH Region, Umiam, Barapani by means of Demand Draft payable at SBI, ICAR Branch. Non-submission of the cost of the tender paper shall lead to non consideration of the Tender.
2. The Tender should consists of two Bids- The Techno Commercial bid (Bid 'I') and the Financial bid (Bid 'II'). Both must be submitted in two seperate envelopes to be sealed and put in a single main cover. The outer main cover should be superscribed as for procurement at ICAR Research Complex for NEH Region Umiam and addressed to "The Director, ICAR Research Complex for NEH Region Umiam, Meghalaya-793103." The Tender must furnish complete adress on the bottom left corner of the main cover. Tenders may be sent by Registered Post or may be hand delivered in the Tender Box, kept in the office of the Estate Officer, ICAR Research Complex for NEH Region Umiam, Meghalaya-793103 not later than 1.00PM on 11th December, 2013. Tenders received after the due date and time shall not be considered under any circumstances.
3. **The Technical Bid should consists of all the Technical details like brand name, model and make, catalouge, authorization letter, dealership certificate, price list (if any), sales tax certificate, VAT registration certificate, last 3-5 years financial standing etc. along with all the commercial terms and conditions. Dealership cum authorization certificate/agency certificate for the manufacturer/manufacturing firm should be enclosed, if the rates are quoted by the Dealers/Agents. The cost of the tender as well as the Earnest Money should be mandatory kept in the Technical Bid only. Technical Bid of each particular item should be enclosed seperately along with the necessary documents.** Lack of any required technical literature may result in the non consideration of the Bid. Financial bids of the technical acceptable offers would only be considered for further evaluation and analysis. Non-compliance of this shall lead to non-consideration of the Bid.
4. **The financial bid should consist of the rate of each particular item enclosed in a separate envelope only.** Price quoted must be given per unit and must be all inclusive, including packing, forwarding, delivery installation, taxes, VAT etc., as may be applicable. The amount of discount, etc. offered by the bidder should be specifically shown as admissible. The rates quoted should be upto ICAR Research Complex for NEH Region, Umiam, Meghalaya, for the mentioned items. The rates must be valid for atleast for 6 months from due date of quotation.

5. The buyer shall not be responsible for payment of transit insurance charges.
6. Payment shall be made only on actual delivery in good condition and successful installation and demonstration (which should be free of cost and must be completed before payment).
7. **ICAR Research Complex for NEH Region, Umiam, Meghalaya being a scientific and Research Organization, is exempted from payment of Exise duty (Certificate to this effect will be provided).**
8. The Firm/Agency based in Meghalaya run by the Non-Tribal should produce Trading Lincense issued by the KHADC at the time of awarding the Contract.
9. **The Tenders** [except those who are registered with the Central Purchase Organization & National Small Industries Corporation (proof should be mandatory enclosed)] **shall have to mandatory deposit Rs. 2,50,000/- as EMD in the form of Demand Draft/Bank Gurantee, valid for 6 months, drawn in favour of the Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya, payable at SBI, ICAR Branch as a bid security along with the quotation.**
10. Performance Bank Gurantee is required for all indigenious items also. For items less than Rs. 50,000, the amount should be 5% of the actual cost of the equipment and for items more than 50,000.00 the amount should be 10% of the actual cost of the equipment. The bank gurantee/warranty period which should be of at least one year duration.
11. The selected bidders must complete the supply/repairing/ installation/demonstration within the stipulated time limit mentioned in the supply order. In case, the firm fails to execute the supply within the time limit, the bid security would stand forfeited and supply order shall be cancelled.
12. The gurantee/warantee should be from the date of installation. All guranteee/waranty services should be attended within a maximum limit of 15 days, failing which,proportionate deductions from the security deposits may be made at the discretion of the Institute.
13. The Director, ICAR Research Complex reserves the right to reject any tender in part or full without assigning any reason thereof.
14. Legal jurisdiction for all disputes shall be within the purview of the Shillong Court.
15. **It is mandatory to sign on every page of the Tender document, which would show their unconditional acceptance of all the terms and conditions of the Tender document and shall give an undertaking that they fully and unconditionally agree to abide by all the terms and conditions which, if needed, may be modified at the discretion of the Competant Authority, in supply order, for which confirmation from the supplier shall be taken.**
16. **It is mandatory to give current, PAN Card No. TDS & other Bank A/C details to enable the office for releasing the dues via e-payment basis.**
17. The Techno-Commercial Bids shall be opened on **11th December, 2013 at 2:30 PM** in the Committee Room, Administrative Block, ICAR Research Complex for NEH Region, Umiam, Meghalaya. Interested bidders may attend the opening.
18. Others terms & conditions, as may be decided by the Competant Authority from time to time, dependang upon the condition & requirement of the supply. The intimation in this regard shall be provided well in advance & the bidder/supplier shall be bound by the said terms & conditions.
19. Firms are required to inspect the site before quoting their rates.
20. For any query/clarification, the undersigned may be approached at:

Contact No: 0364-2570363 or 0364-2570594.

E-mail : kcjoshiicar@yahoo.com or [dksonowal @ rediffmail.com](mailto:dksonowal@rediffmail.com)

Sd/-

Director

Specification for high tech automated nursery

(1) Automation section (750m²)

- i. High speed synchronize computerized machine
- ii. Diffuser and mixer
- iii. Level control mechanism
- iv. Tray dispenser machine
- v. Auto seeder
- vi. Auto tray filling machine
- vii. Conveyor belt
- viii. H-support conveyor belt
- ix. Guide rail
- x. Net house
- xi. Automatic Fertigation system
- xii. Auto switch system

(2) Hi-Tech Green House (1000m²)

- (i) Steel structure with gutter
- (ii) Polycarbonate multi wall sheet UV stabilized
 - 1. Sheet thickness multi wall (mm):6
 - 2. Structure: 2RS
 - 3. Approx. Weight (g/m^2): 1300
 - 4. Light transmission (%): 82
 - 5. K-Value ($\text{W/M}^2\text{K}$): 3.5
- (iii) Fan and Pad cooling system with pad replacements (2 min) for 5 years.
- (iv) Micro processor temperature/humidity control with 5 temperature probes across the chamber
- (v) Benching system
- (vi) Photosynthesis system: PAR lamp
- (vii) Automatic overhead water applicator with 4 way nozzles
- (viii) Tank
- (ix) Floor

(3) Hardening house (1000m^2)

(4) Generator backup of full capacity for each unit and total power requirement

Sd/-

Director

38th RPC approved Civil works (New & Renovation) for 2013-14

i) High Tech Automated Nursery (facilities for Horticulture) for the following activities:

S.No.	Particulars	Component
1.	High Tech automated nursery	i. Automation section (750m²) 1. Diffuser and mixer 2. Level control mechanism 3. Tray dispenser 4. Auto seeder 5. Auto tray filling machine 6. Conveyer belt-TRB 7. Guide rail 8. Net house 9. Fertigation system 10. Auto switch system 11. Topping machine ii. Hi-Tech Green House (1000m²) 1. Steel structure with gutter 2. Polycarbonate multi wall sheet UV stabilized. 3. Pad and fan cooling system 4. Benching system 5. Photosynthesis system: PAR lamp 6. Fogging/misting system

7. Temperature humidity control

8. Tank/floor

iii. Hardening house (1000m²)

Total budget for 2013-14

Rs. 100 lakhs

Director