



INDIAN COUNCIL OF AGRICULTURAL RESEARCH  
ICAR RESEARCH COMPLEX FOR N. E. H REGION  
UMROI ROAD, UMIAM, MEGHALAYA-793 103



No. RC(S) 79/2015

Dated Umiam, the 5<sup>th</sup> October'2015

**OPEN TENDER**

Sealed bids are invited for procurement of **Scientific Equipments/ Instruments** from the reputed registered firms/ manufacturers/ authorized dealers by ICAR Research Complex for N.E.H. Region, Umroi Road, Umiam, Meghalaya. The detailed specifications of the items and terms & conditions etc. are given below:-

- 1. Cost of Tender paper of Rs. 1000/- (Rupees one thousand) only** ( Non – refundable) to be deposited in the favour of the Director, ICAR Research Complex for NEH Region, Umiam – 793103 by means of Demand Draft payable at SBI, ICAR Complex Branch, Umiam. Non – submission of the cost of Tender paper shall lead to non – consideration of the Tender.
- 2. Separate quotations must be submitted for individual items.** Every quotation should consist of two Bids- The techno-commercial bid (**Bid 'I'**) and the Financial bid (**Bid 'II'**). Both must be submitted in two separate envelopes to be sealed and put in a single main cover. The outer main cover should be super scribed as **"TENDER NO. RC(S)79/2015 dated 05.10.2015 for procurement of Scientific Equipments/ Instruments, under XII Plan EFC (Breeder Seed Production), I.C.A.R RESEARCH COMPLEX FOR NEH REGION REGIONAL CENTRES/UMIAM"** and addressed to **"THE DIRECTOR, ICAR RESEARCH COMPLEX FOR NEH REGION UMIAM, MEGHALAYA-793103"**. The Bidding Firm should give their complete address on the bottom left corner of the Main Cover. **The Cost of the Tender as well as the Earnest Money along with all other Technical Details should be mandatory kept in the Technical Bid only. The Financial Bid should consist of the Rates, their detailed break – ups, etc. Non-compliance of this shall lead to non-consideration of the Bid.** All Tenders should be sent by Registered Post. Tenders to be handed delivered should be put in the Tender box, kept in the office chamber of CAO, ICAR Research Complex for NEH Region, Umiam, Meghalaya-793103 not later than **12:30 P.M. on 4<sup>th</sup> November, 2015**. Tenders received after the due date and time shall not be considered under any circumstances.
- 3. The rates quoted should be up to ICAR Research Complex for NEH Region, Regional Centres/Umiam, (as per the details) for the mentioned items.** The rates must be valid for at least for 1(one) year from the date of quotation.
- 4. Price quoted must be given per unit and must be all inclusive, including packing, forwarding, Delivery charges, Taxes, VAT etc., as may be applicable.**
5. Attested copy of the up to date sales tax and income tax clearance certificate (if any) from the authority concerned should be submitted with the quotation.
- 6. Furnishing of related documents like detailed specifications, technical literature, brand name, model and make, catalogue, authorization letter, Dealership Certificate, company registration certificate, product certification, price list (if any) etc. is mandatory, Dealership certificate/Agency Certificate for the manufacturer/ manufacturing firm should be enclosed if the rates are quoted by the Dealers/Agents. Sales tax certificate, tax clearance (up – to date), valid CST/VAT registration certificate, last 3-5 years financial standing etc. along with all the commercial terms and conditions. Failing which the quotation shall not be considered.**
- 7. The supply is effected at DGS&D rate contract, wherever is applicable.** The rate should be quoted for list of items as per the tender document.
8. The Buyer shall not be responsible for payment of transit insurance charges.
9. Payment shall be made on actual delivery in good condition and successful installation and demonstration (which should be free of cost and must be completed before payment).
10. (a) **In case of imported goods, the price may be quoted in foreign currency and import will be on FOB basis.** However, custom clearance, Inland freight etc. will be the responsibility of the supplier and no separate charges will be paid for that, however, custom duty exemption certificate shall be provided. The supplier should inform well in advance for sending these papers. No demurrage charges will be paid. If the supplier desires, rate in corresponding Indian currency may be quoted. It will be at the discretion of the authority of ICAR Research Complex for NEH Region to accept Indian or Foreign currency prices.  
(b) In case of any custom duty charge, applicable as per Govt. of India's Notification, the same may be paid by the firm which will be reimbursed to the Indian Agent (who should be a registered firm and with DGS&D immediately, subject to the condition that the bill of entry in original along with all relevant papers are submitted immediately, after custom clearance and installation and demonstration of the items. Installation and demonstration should be free of cost.  
(c) **The import & payment will be made by means of Foreign Bank Draft/ Site Draft in case of foreign imported goods.** Performance Bank guarantee of 10% FOB value valid till the end of warranty period should be submitted before the release of the security deposit. All bank charges outside and inside India shall go to the beneficiary's account. Performance bank guarantee of 10% FOB value, valid till the end of warranty period, should be submitted before the release of the security deposit. All bank charges outside and inside India shall go to the beneficiary's account. Draft making charges would go to the beneficiary's account and a scanned copy of the draft, if required, can be sent to the Indian agent by post. Draft would be handed over after successful installation and demonstration which should be completed within 45 days from the date of draft and submission of all documents like bill of entry etc.

- (d) All imported items should be delivered up to destination i.e. all the import should be free of inland freight charges, insurance etc.
- (e) **Indian Agency Commission rate and amount should be clearly specified as per rules. IAC, wherever applicable, will be paid in Indian Currency only.**
- (f) In case of delay in supply, penalty will be imposed @2% per week, subject to a maximum of 10% of the FOB value
- (g) Indian Agents quoting on behalf of their principal must be registered firms with DGS&D .They are also requested to provide necessary authorization letter from their principal along with the quotation.
- (h) **ICAR Research Complex for NEH Region, Umiam, Meghalaya, being a Scientific and Research Organization, is exempted from payment of Excise Duty (Certificate to this effect will be provided).**
11. **All Bidders should mandatory give their current, PAN Card No., TDS& other Bank A/C details to enable the office for releasing the dues via e- payment basis.**
12. **The tenderers [except those who are registered with the Central Purchase Organization & National Small Industries Corporation (proof should be mandatory enclosed)] shall have to deposit Rs.10,000/- (ten thousand) only (for indigenous as well as for foreign items quoted in foreign currency, equivalent Indian currency may be deposited) in the form of Demand Draft, valid for 6 (Six) months, drawn in favour of the Director, ICAR Research Complex for NEH Region, Umiam, Meghalaya, payable at SBI, ICAR Complex Branch, Umiam as a bid security, along with the quotation. The Cost of the Tender paper as well as the Earnest Money along with all other Technical Details should be mandatory kept in the Technical Bid only. Non submission of the Bid Security with quotation shall make the quotation/ bid liable to be rejected.**
13. Performance Bank Guarantee is required for all indigenous 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 guarantee should cover the entire guarantee/ warranty period which should be of at least one year duration.
14. The selected tenderers must complete the supply/ 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.
15. The guarantee/ warrantee should be from the date of installation. All guarantee/ warranty services should be attended within a maximum limit of 15 days, failing which, proportionate deductions from the security deposit may be made at the discretion of the Institute.
16. The complete details regarding the Institutions/ Corporations/ Bodies, etc. where the Firm/ Dealer has made the supplies during the last 2/3 years should also be furnished, along with the supply orders.
17. The Bidders should mandatory provide their full Bank Details, PAN Card No. , IFS code No., and TDS so as to ensure e-payment to them directly on satisfactory completion of the Supply.
18. The Director, ICAR Research Complex reserves the right to reject any tender in part or full, without assigning any reason thereof.
19. Legal jurisdiction for all disputes shall be within the purview of the Shillong Court.
20. **The Firm/ Agency run by the Non-Tribal should produce Trading License issued by the KHADC & also produce Municipal Trade License as applicable state to state & Tribals should provide Schedule Tribe Certificate, failing which the tender are liable to be rejected. Non submission of Trading License, tender rates shall be rejected / not to be considered.**
21. **All bidders 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 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.**
22. **The bidders should mandatory sign on every page of the Tender Document, which would show their unconditional acceptance of all the terms and conditions of the Tender Document.**
23. **Items should be supplied in time and with FDR destination (Regional Centres/Umiam).**
24. Tenders shall be opened on **4<sup>th</sup> November, 2015 at 2:30 pm**, ICAR Research Complex for NEH Region, Umiam, Meghalaya – 793103. Interested bidders may attend the opening.
25. If the above mentioned closing /opening day of the tender happened to be non – working date due to Bandh/Strike as any other reasons, the tender will be received & opened on the following working day at the same time except on the 2<sup>nd</sup> (second) Saturday.
26. Other terms & conditions, as may be decided by the Competent Authority from time to time, depending 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.
27. For any query/ clarification, the undersigned may be approached at:  
Contact No.: 0364-2570363 (Tel- Fax)

E-mail : [kcjoshiicar@yahoo.in](mailto:kcjoshiicar@yahoo.in)/[icarstore@yahoo.com](mailto:icarstore@yahoo.com)

Sd/- S. V. Ngachan  
DIRECTOR



SPECIFICATIONS OF EQUIPMENTS

Sl.No.	Centre	Equipment	Specification
1.	Meghalaya, Tripura	Mini Tractor 16 Hp. With trolley & accessories	<p><b>Engine, Type-</b> Single Cylinder, 4 Stroke, Direct Injection  <b>Bore/Stroke-</b> 85/110 mm, <b>Cooling System-</b> Air-Cooled  <b>Engine Oil sump-</b> 1.8 Ltr., <b>Diesel Tank-</b> 14.9 Ltr.  <b>Transmission, Clutch-</b> Dry, Friction Plate. <b>Transmission-</b> Combination of Constant, Mesh &amp; Synchromesh Gears</p> <p><b>Tractor's Description</b>  <b>Weight-</b> 905 Kg., <b>Length-</b> 2600 mm, <b>Width-</b> 1080 mm  <b>Height-</b> 1950 mm, <b>Track Width, (Driving Wheels)-</b> 840/960 mm  <b>(Steering Wheels)-</b> 850 mm  <b>Oil Capacity (Lit.), Main Gear Box-</b> 01.75, <b>Reduction Gear Box-</b> 02.00, <b>Steering Box-</b> 00.40, <b>Air Cleaner-</b> 00.15, <b>Hydraulic Tank-</b> 14.00.</p> <p><b>Electrical System</b>  <b>Voltage of System-</b> 12 Volt, <b>Battery-</b> 12 V, 65 Ah  <b>Rear Tyre Size-</b> 8.00 x 18 - 4 Ply, <b>Front Tyre Size-</b> 5.20 x 14 - 8 Ply  <b>Ground Clearance (mm)-</b> 260, <b>Wheel Base (mm)-</b> 1430  <b>Wheel Track Front (mm)-</b> 845, <b>Wheel Track Rear (mm)-</b> 825</p>
2.	Manipur, Meghalaya, Tripura	Batch type Dryer	<p>Capacity 1ton Per Batch (BD 750 kg/m<sup>3</sup>) moisture removal from initial moisture content of about 20% down to 10% in rice seed in 4-5 hrs at 45-50°C drying temperature. Electric operated and heated options with fuels and farm/agri wastes. Touch screen monitor operation with auto temperature and drying self timer blower regulations. Suitable for drying of all types of grains, seeds, pulses, oilseeds, grass seeds, spices and any granular products. Indirect heating type batch dryer fitted with dynamically balanced centrifugal axial fan to generate 10,000 CMH at 30 mm. complete with motor, control panel, emergency alarm and all standard features.</p>
3.	Manipur, Meghalaya, Tripura	Lab model seed cleaner cum grader	<p>Precision and fine cleaner for laboratory use as well as for small scale production in research stations, institute, etc. The LA-LS/3 can be used for Batch and continuous flow separation and very well suited for preparation of all seed types such as vegetable seed, grain, oil seed, clover seed, etc. as well as for flower seed and spices. Continuous cleaning capacity is up to 150kg/hr on wheat.</p> <p>-Inlet hopper and vibratory feeder with start/ stop and potentiometer.          -Sieveboat (laminated wood) with 1 short scalping screen</p>

SPECIFICATIONS OF EQUIPMENTS

		<p>275x540mm (with ball cleaning) and 2 long grading/ sand screens 275x540 mm (with ball cleaning); with variable speed drive.</p> <ul style="list-style-type: none"> <li>-One set of screens (fully perforated) with ball frames.</li> <li>-Pre-aspiration and final aspiration as well as recirculation system with built-in fan and dust suction unit.</li> <li>-Tachometer for eccentric shaft RPM with digital readout.</li> <li>-Four collecting bins standard size. -Mounted on table</li> <li>-Fan, speed drive, and motors. 1x 240v, 50Hz; drive motor with frequency converter.</li> </ul>
4.	Manipur	<p>Maize Sheller</p> <p>Maize seed Sheller with gentle separation of maize kernels from the cobs and removal rachis. Without affecting the seed germination Sturdy steel housing, equipped with a cleaning opening. In between the forged rotor with ribs and the Sheller cage, the cobs are rubbed against each other. Loose kernels fall through the cages made of round rods, whereas rachis is transported to the end outlet due to the progressive pitch of ribs on the rotor. An adjustable dam up flap in the end of the housing regulates the intensity shelling. In order to remove rachis and oversized kernels from shelled corn. Flat bed screen cleaner completes the maize shelling unit. This cleaner operates with 3 rows of screens with a total screen area of 9m<sup>2</sup>. The two top layers of screens are considered as scalping decks with discharge trays at the front of the machine. Sand screening happens in the third layer in bottom. The cleaner must be equipped with an eccentric drive and incorporated well proven rubber ball cleaning system.</p> <p>The Maize Sheller with attached cleaning must deliver an hourly capacity of 5-10 tonnes of shelled corn.</p>
5.	Manipur, Meghalaya, Tripura	<p>Hot air oven</p> <p>Hot air oven, double walled (inside made of thick anodised aluminium and outside of mild steel sheet) finished in oven baked white cream enamel with inner chamber of size 420mm x 420mm x 360 mm. the gap between two wall be filled with suitable insulating material. Door should have double viewing window to permit observation during operation without disturbing thermal condition. Heating of inner chamber by means of suitable heating element placed in ribs at the bottom and sides. The oven should be supplied with a thermostat suitable for maintaining temperature of inner chamber ranging from ambient to 70°C with sensitivity of ± 0.05°C and automatic timer in hours in minutes. Complete with all standard features including built in thermometer of range 0 to 110°C, two pilot lamps and 3 perforated shelves out of which 2 adjustable to any height and suitable for operation on 220-230 volts, single phase 50 HZ. AC supply.</p>
6.	Manipur, Meghalaya, Tripura	<p>Seed Grinder</p> <p>Seed grinder with polished chamber of 40mm diameter and 22mm deep; two stationary blades and rotor with four cutting edges. The equipment should be suitable for grinding of sample of agricultural and vegetable horticultural seeds; complete with hopper, wooden plunger, receiver and three delivery tubes with sieve tap of 40, 60 and 80 mesh size, with suitable tropicalised electric motor and starter (confirming to ISI specification, for operation 220-230 volts, single phase, 50 Hz, AC supply. The equipment should be housed in a wooden/ metallic chamber.</p>
7.	Manipur,	<p>Electronic</p> <p>Electronic balance 600 gm cap. Accuracy 0.001gm, top pan digital</p>

SPECIFICATIONS OF EQUIPMENTS

	Meghalaya, Tripura	balance	balance
8.	Manipur, Meghalaya, Tripura	Seed precision divider (gamet type)	Seed precision divider (gamet type) to used for dividing and mixing grain samples and performs accurately on all grains, seed, feeds etc. Division and mixing are carried out by centrifugal action of motor driven, revolving neoprene disc positioned under hopper. The sample falls from hopper on to the revolving disc and to evenly split into two smaller samples. All wearing parts are made of brass and copper, body of high finish stainless steel, base of cast iron duly painted. Inside smooth finish eliminates sticking of samples to inner surfaces. Hopper and cylinder top lift off together providing easy access to inner parts. Size 38 x 31 x 51 cm (approx.). hopper capacity 2kg. operating voltage 220V,50Hz, AC.
9.	Manipur, Meghalaya, Tripura	Seed blower	Seed blower utilizing accurately controlled air flow through the air column by calibrated valve cape on the top of the column with provision for automatic timer cut off for operation and shall have 3 column size to accommodate various sizes of agricultural and vegetable seeds. The equipment should be complete with all standard features including suitable metre for operation on 220 -230 volts, single phase, 50 Hz., AC supply. Three sizes of air-column are: i. 3.8cm – 3.8cm with calibrated air valve, ii. 7.6cm – 7.6cm with calibrated air valve, iii. 10 cm – 10cm with calibrated air valve.
10.	Manipur, Meghalaya, Tripura	Mini Rice Thresher	Panicle/Plant thresher equipped with one threshing drum and concave with stepless adjustment for the concave clearance, with electric moor 220/380V, 3 phase current, with normal outlet complete with 1 more standard concave. One set of rubber covered beaters for exchange.
11	Manipur	Tractor (Escorts Powertrac-439/41HP, in place of mini tractor) Detail Specifications, submitted with rotavators, accessories for local purchase.	Engine-3 Cylinders PTO 540 single PTO Brake heavy duty multi plate oil immersed brakes Clutch dual clutches. Transmission constant mesh (8forward+2reverse) Hydraulics-1500kg Tyre –front-6X16, rear 13.6X28 Steering- Single drape arm mechanical/ power steering
12	Manipur, Meghalaya, Tripura	Generator 15KVA	Generator 15KVA