



F.No.PI/NAHEP/CAAST DFSRDA/Quot./ 87g /of 2020

Date: 10 /02/2020

To,
Techchem Solutions Pvt. Ltd.
710, 7th Floor URB Tech,
Matrix Tower, B4,
Sector 132 NOIDA 201 303 (U.P)

Dear Sir,

**Subject: INVITATION OF QUOTATION FOR SUPPLY OF ROBOTIC
 MANIPULATOR**

1. You are invited to submit your most competitive quotation for the following Goods: -

S · N	Brief Description of the goods	Specifications*	Quantity** (Unit)	Delivery Period	Place of Delivery	Installation requirement if any
1	<p>1. A robotic Manipulator For <u>NAHEP-VNMKV</u> Seed/Seedling Processing Nursery Automation Centre (SSPN)</p> <p>2.A robotic End-effector. for Seed/Seedling Processing Nursery Automation</p>	<p>Applicable vegetable : Brinjal, Tomato, Chilli, Watermelon, Muskmelon, cucumber, etc.</p> <p>Capacity : 800 plants per hour.</p> <p>Grafting Accuracy : More than 95%</p> <p>Dimension:</p> <ul style="list-style-type: none"> * Grafting Robot : Dimension (870mm x 1,460mm x 1,080mm) / 180kg (Net Weight) * Parts Feeder (Clip Supplier) : Dimension (450mm x 450mm x 1,100mm) / 60kg (Net Weight) * Wooden Box with Grafting Robot(1 Set) : 1,700mm x 1,160mm x 1,280mm / 310kg (Growth Weight) <p>Main component :</p> <ul style="list-style-type: none"> i. Root stock stand for manual root stock supply with adjustment for gap, size and set point. ii. Scion stock stand for manual scion stock supply with adjustment for gap, size and set point. iii. Root stock arm for pick and hold with arm driving servo motor, settings confirmed by image sensing and root stock cutting device. iv. Scion stock arm for pick and hold with arm driving servo motor, settings confirmed by image sensing and scion stock cutting device. v. Digital camera and matching monitor for assessing the cutting surface angles of stock and scion. vi. LCD touch panel for programming the machine with control box and monitor. vii. Output conveyer and plastic clip feeder. viii. Matching 3 hp air compressor. ix. Instrument should have automatic adjustments for graft delivery angle, stem cut position, understock stem cut 	<p>01</p> <p>01</p>	<p>After awarding the contract & the period of validity of quotation</p>	<p>Office of PI, NAHEP, NAHEP-CAAST, VNMKV Parbhani</p>	<p>Yes, with installation and technical demonstrations.</p>



		<p>position, understock delivery angle & clips positions. x. Instrument should be CE Certified.</p> <p>Grafting clips: : Matching plastic clips</p> <p>Included : a. 2000 grafting clips.</p> <p>Accessorie: b. 3hp air compressor</p> <p>List of user : List of customers in the last three year minimum 2-3 users</p> <p>Training : Onsite training at the Dept. of Vegetable Crops, VNMKV, MS, for scientists and lab technicians at free of cost.</p> <p>Service warranty : One year standard warranty</p>				
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- The above price is including GST and other terms such as Technical support from purchase of goods from Feb 2020 upto Feb 2023.
- **Place of Delivery:** CENTER OF EXCELLENCE FOR DIGITAL FARMING SOLUTIONS FOR ENHANCING PRODUCTION BY ROBOTS, DRONES and AGVs. Vasantrao Naik Marathwada Krishi Vidyapeeth Parbhani

** Quantity of work may be varies.

* Where ISI certification marked Goods are available in market, procurement should generally be limited to goods with those or equivalent marketing only.

2. Government of India has received a financing from the International Bank for Reconstruction and Development World Bank towards the cost of the National Agricultural Higher Education Project NAHEP (CAAST- DFSRDA, VNMKV, Parbhani) and intends to apply part of the proceeds of this loan to eligible payments under the contract for which this invitation for quotations is issued.

3. Bid Price

- The contract shall be for the full quantity as described above. Corrections, if any, shall be by made by crossing out, initialing, dating and re writing.
- All duties, taxes and other levies payable on the raw materials and components shall be included in the total price.
- Sales tax in connection with the sale shall be shown separately.
- The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
- The prices shall be quoted in Indian Rupees only.

4. Each bidder shall submit only one quotation.



5. Validity of Quotation

Quotation shall remain valid for a period not less than 15 days after deadline date specified for submission.

6. Evaluation of Quotations

The Purchaser will evaluate and compare the quotations determined to be substantially responsive i.e. which

- a) are properly signed; and
- b) conform to the terms and conditions, and specifications.

The quotations would be evaluated for all the item together/ would be evaluated separately for each item. [*Select one of the options.*]

Sales tax in connection with sale of goods shall not be taken into account in evaluation.

7. Award of contract

The purchaser will award the contract to be bidder whose quotation has been determined to be substantially responsive and who has offered the lowest evaluated quotation prices.

7.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and to cancel the bidding process the reject all quotations at any time prior to the award of contract.

7.2 The bidder whose bid is accepted will be notified of the award of contract by the Purchaser prior to expiration of the quotation validity period. The terms of the accepted offer shall be incorporated in the supply/ purchase order.

8. Part payment or part supply orders will not be accepted. The payment will be made immediately after delivery of goods/setup/installation/training/assignment as per signed up/award of contract.
9. The necessary catalogue, leaf lets, operational manual or any other printed material related to goods/material should be provided during completion of contract.
10. Normal commercial warranty/ guarantee shall be applicable to the supplied goods.
11. The rates/prices should be FOR, VNMKV, Parbhani (MS) India. All leakages-breakage and losses in transit including shortages, if any will be borne by the firm/supplier. Offer should clearly mention the locations for which rates are quoted.
12. The firm should provide proof of GST registration no. / Tin no. / PAN no. and all legislative documents required as per world bank/ICAR New Delhi procedure.
13. **Onsite installation with technical demonstration and training** to core team member and technical staff should be provided by the supplier in consultation with expert team member of NAHEP-CAAST DFSRDA, VNMKV, Parbhani office.
14. In case, any holiday is declared by the Government on the day of opening, the bids will be opened on the next working day at the same time. The Principal Investigator, NAHEP - CAAST DFSRD reserves the right to accept or reject any or all the bids.
15. The bids of firm (s) which have either been black-listed by VNMKV, Parbhani or any other Govt. organization will not be accepted. In this regards, the firm has to give an undertaking on the enclosed format.



16. You are requested to provide your offer latest by **05 .00 PM on or before 18 / 02 /2020 in the name of Principal Investigator, NAHEP-CAAST-DFSRDA, VNMKV, Parbhani – 431 402**. The bids will be opened on the last day of submission at the same time. All suppliers/firms are requested to be present in the chamber of undersigned.
17. Write the title “Quotation for supply of **ROBOTIC MANIPULATOR**” on top line of envelopment.
18. We look forward to receiving your quotations and thank you for your interest in this project.

Principal Investigator
National Agricultural Higher Education Project
CAAST DFRDA, VNMKV, PARBHANI
Pin Code-431402, (M.S)., INDIA
Tel. No.:+91 9422111232,
Email: nahep.caast.vnmkv@gmail.com



FORMAT OF QUOTATION FOR SUPPLIER

Sl. No.	Description Goods	Specifications	Qty.	Unit	Quoted Unit Rate in Rs.	Total Amount	
						Rupees	
TOTAL	In Figures						
	In Words						
GST							

Gross Total Cost: Rs.

We agree to supply the above goods in accordance with the technical specifications for a total contract price of Rs. (Amount in figure) Rs. (Amount in words) within the period specified in the Invitation for Quotation.

We also confirm that the normal commercial warrantec/ guarantee of Months shall apply to the offered goods.

We hereby certify that we have neither black-listed by VNMKV, Parbhani nor any other Govt. organization.

We hereby certify that we have no “Conflict of Interest” with NAHEP-CAAST DFSRDA, VNMKV, Parbhani office or staff. We hereby certify that we have taken steps to ensure that no person acting for us or on our behalf will engage in corrupt, fraudulent, collusive, or obstructive practices (as defined in the prevailing World Bank’s sanction procedures) in competing for or in performing the Contract.

Signature of Supplier

*** Supplier should also mention the discount offered.**