



**DIVISION OF FRUITS & HORTICULTURAL TECHNOLOGY  
ICAR-INDIA AGRICULTURAL RESEARCH INSTITUTE,  
PUSA, NEW DELHI - 110012**



No. FHT / 9- 19 /2019-20 / Leaf Area Meter/

Dated:- - 10 - 2019

**Re - TENDER NOTICE**

**Sub: - Purchase of Leaf Area Meter with accessories.**

**Online open tenders** are invited by the Head, Division of Fruits & Horticultural Technology, IARI, New Delhi-110012 on behalf of the Director IARI, New Delhi from reputed Manufacture/Dealer/Supplier in **Two-bid system** (Technical bid & Financial bid) for purchase of **Gel Documentation System with computer with photographic attachment** as per following. **The last date for submission of Bid is on 21.11.2019 at 13.00 PM.** The bid will be opened on the **22.11.2019 at 14.00 PM** in this Division by the prescribed committee.

Please visit [www.iari.res.in](http://www.iari.res.in) for Details Rules and Regulations and Log on [www.eprocure.gov.in](http://www.eprocure.gov.in) for online tender submission.

S. N.	Description of item / Equipment	Qty.	Earnest Money (Rs.)
1	<b>Leaf Area Meter with accessories</b> (Specification : As per Annexure enclosed )	(1) One	12,000.00

**Cost of the Equipment / item:- Rs. 5.00 lakhs (approx.)**

**Instructions to the bidder and terms & conditions of tender:**

1. The rates quoted shall be valid for a minimum period of **180 days** from the last date fixed for submission of bid.
2. The rates quoted in INR shall be free of cost delivery and installation at the **Division/Unit of Fruits & Horticultural Technology, IARI, Pusa, New Delhi -110012.** However, equipment quoted in foreign currency must be quoted on FOB as well as in CIP basis.
3. Indigenous equipment may be quoted in INR only. However, **Imported item/equipment maybe quoted in foreign currency on FOB basis showing price up to CIF.** If the firm fails to quote the rates accordingly, the tender will liable to reject.
4. In case, LC is opened for purchase of foreign item/equipment, all charges outside India will be borne by the firm.
5. Custom Duty Exemption Certificate (CDEC) will be issued only when the bid is quoted in foreign currency in case of foreign made items only and meant for IARI.
6. Full specifications of the item/article quoted for shall be given in the quotation alongwith literature/pamphlet/drawing etc. User list of the quoted document may also be additionally provided for reference.
7. If taxes, duties or any other charges over and above the rates quoted leveable, actual percentage of such taxes/duties/other charges should be clearly indicated.

8. **EMD of Rs.12,000/= (Rupees Twelve thousand only)** should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn **in favour of “Director, IARI” payable at New Delhi**. The original EMD should be submitted offline to the Tender Inviting Authority on or before the last date and time of bid submission. The details of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee physically sent, should tally with the details available in the scan copy and the data entered during the bid submission time **otherwise the uploaded bid will be rejected**.
9. The EMD shall be refunded to the unsuccessful bidders after finalization of the quotation. In case of successful bidder, it can be adjusted towards security deposit which is 5-10% of the order value in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favour of Director, IARI payable at New Delhi and shall remain **valid for 60 days** beyond the date of completion of all contractual obligation of supplier including warranty obligation for the equipment/goods costing Rs.1.00 lakhs (Rs. One Lakh) or more. However, there would be no performance security deposit for equipment/goods costing less than Rs. 1.00 lakh (Rs. One Lakh). No interest on security deposit and earnest money deposit (EMD) shall be by the Institute to Tenderer.
10. **One-year warranty has to be invariable provided on the equipment/items by the firm**. In case, there is any variation in the warranty period given in tender while mentioning the specification of the item/equipment, the warranty period shall be the final as given in the specification.
11. The Director IARI, New Delhi reserves the right to accept or reject any or all the quotations either in full or in parts without assigning any reason.
12. GST/TIN/VAT/PAN/C.S.T. Nos. Scanned copy of GST/TIN/VAT/PAN/C.S.T. Nos may be attached with the bid.
13. In case, any dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & Court at New Delhi. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding on both parties (Supplier and Purchaser)
14. The successful bidder has to execute the indented Job/Work as mentioned in the supply order placed with them within the stipulated period as given in the supply order placed by this office failing which 2% per week and maximum of 10% deduction as liquidated damage charges will be made from the bill in case the job is not completed within the given stipulated period.
15. Quotations not complying with the above conditions are liable to be rejected.
16. AMC/CMC charges shall not be included for evaluation of the financial bids.
17. The successful bidder will have to provide the **ORIGINAL proforma invoice** from the foreign principal (duly signed in ink), in case of imported item/equipment at the earliest but positively **within 15 (fifteen) days** of the date of receipt of purchase order, otherwise the purchase order will automatically stand cancelled without any further communication.
18. In case the bid is offered in Indian Rupees on FOR value basis than CDEC/DSIR certificate will not be given by the institute at all. However, GST as applicable will be paid by the Institute as per rule.
19. Payment will be made by mode of e-payment to the supplier/firm after satisfactory completion of work and receipt of pre-receipt bills in triplicate. In case of foreign currency, payment shall generally be made through LC directly to the manufacturer.
20. If the bid is submitted by the authorized dealer on behalf of the Manufacturer/OEM, **than scanned copy of valid authorization certificate of the Manufacturer/OEM must be provided** otherwise bid will not be considered.

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21. As per CVC's guide lines No. 12-02-6 CTE-SPJ (1)-2/161730 (Circular No. 3/1/12 dated 13/01/12 , in a tender, either the Indian Agent on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender. Further if an agent submits bid on behalf of the Principal/OEM the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
22. Supply is to be made by any convenient mode of transport at supplier's risk unless otherwise specified.
23. In case the material is supplied through an authorized agent, manufacturer shall be responsible for the successful installation of the equipment. The manufacturer shall be liable to any penal action for the shortcomings of the authorized agent. Any payment that is to be made separately to the agent shall be clearly mentioned in the quotation.
24. There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organization/NSIC only are exempted submitting bids without EMD. (Scanned copy of registration must be attached therewith without which it will not be considered)

**The scanned copy of following documents must be furnished with the technical bid failing which tender will not be accepted at all.**

1. Scanned copy of TIN/VAT/LST/CST/GST.
2. Scanned copy of Pan Card.
3. Scanned copy of current authorization letter issued from manufacturer/principal Firm in original.
4. Scanned copy of Earnest Money Deposit (EMD) or scanned copy of registration from Central Purchase Organization/NSIC.
5. Scanned copy of broacher/literature/pamphlet/drawing.
- 6. Scanned copy of self-certification that firm has not been debarred/black-listed by the Govt. Department/court of law for doing business in India and no criminal legal suit is pending or contemplated against it.**
7. Scanned copy of compliance statement in accordance with the tender technical specification of equipment/item.
8. Scanned copy of the tender document duly signed by the concerned firm accepting the same.

**Encls:- ANNEXURE**

Sd/-

ASSTT.ADMN.OFFICER (FHT)

## ANNEXURE

### Leaf Area Meter with accessories specifications

#### **Detailed Specifications: -**

- Resolution: Lower resolution of  $\leq 2.0$  mm<sup>2</sup> and higher resolution of  $\leq 1.0$  mm<sup>2</sup> with single lens (adjustable with switch/push button) so that there is no need to change optics for different resolutions or with any other better and convenient option.
- Display and display capacity: Data to be displayed on LED panel (up to two decimal points).
- Sample dimensions: Should be suitable for variety of fruit plant samples of variable width, length and thickness(0-20mm).
- Conveyor belt based working: (i) Quiet/silent working of belt system with roller to flatten curled leaves for accurate measurements. (ii) Belt should be clear, durable and suitable for long-term and continuous use. (iii) For rapid sampling higher speed of conveyer belt is desirable (4-8cm/sec). The system should not involve steps of selecting or recording the displayed image of each leaf/sample material and then making analysis or area measurements (individual or cumulative).
- Plate form size for the operation of conveyor belt: Width of  $\geq 20$  cm is desirable. The size of the plate form (length and width) need to be mentioned. This is required to judge the suitability of the instrument for variety of plant samples of variable width, length and thickness.
- Accuracy: High accuracy and repeatability. Document need to be attached so justify the accuracy range of the instrument for different sample area (size) under different resolutions.
- Calibration: Instrument need to be supplied with Kit (known surface areas) for its calibration (with adjustment knob) from time to time.
- Facilities: Instrument should have facilities like auto zero at any point of time, individual leaf area measurement and cumulative display of leaf area measurement for continuous sampling.
- Light source: Suitable light source, fitted within (in-built).
- Power requirements: Suitable for Indian power supply.
- Working environment: Suitable for Indian conditions/climatic conditions.
- Supplied instrument should be ready to use. Therefore, fitted or supplied with all the required accessories/attachments and options for future up-gradation.
- Instrument should be provided with dust cover, instruction manual etc.
- A comprehensive warranty for at least one year should be provided.
- Authorized agent/supplier certificate from the Principal is required (in case the instrument is being supplied by supplier other than the Principal itself).
- Any additional or meritorious features can be highlighted by the supplier.

#### **Other conditions (to be fulfilled by Principal and/or the authorized agent/supplier):**

1. Should provide onsite demonstration and training to the users.
2. Should provide Original Technical Literature of the instrument with detailed drawings, accuracy table or chart, pictures etc. This is essentially required to confirm the technical specifications.
3. Supplier need to submit the specification compliance in a comparative way for their product and its features with the specification as asked in a tabulated and point wise manner. In case this is not being provided, the quotation/tender will not be considered.

**(DR. JAI PRAKASH)**  
**PRINCIPAL SCIENTIST & INDENTOR**

