

DIVISION OF AGRICULTURAL PHYSICS
ICAR-Indian Agricultural Research Institute, Pusa, New Delhi-110012

File No. AP/7-27/2018-19

Dated: 19/11/2018

Tender Notices

Online quotations are invited from reputed Manufacture/Dealer/Supplier in two bid system (Technical bid & Financial bid) for purchase of following Scientific Equipment/Items on behalf of Director ICAR-Indian Agricultural Research Institute, New Delhi. The last date for submission of Bid 10-**12-2018** at 01.00 PM. The bid will be opened on dated 11-**12-2018** at 15:00 hrs by the prescribed committee.

Please visit www.iari.res.in for Details Rules and Regulation and Log on www.eprocure.gov.in for online.

Sl. No.	Name of Scientific Equipment/ Item	Quantity
1.	SPAD Chlorophyll Meter	One

Instructions to the bidder and terms & conditions of tender:

The rates quoted shall be valid for a minimum period of 180 days from the last date fixed for submission of bid.

1- The rates quoted shall be free of cost delivery and installation at the Division/Unit of Agricultural physics , IARI, New Delhi – 110012. However, equipment quoted in foreign currency must be quoted on FOB/ CIP basis

2- 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

3- Full specifications of the item/article quoted for shall be given in the quotation.

4- If taxes, duties or any other charges over and above the rates quoted livable, actual percentage of such taxes/duties/other charges should be clearly indicated.

5- **EMD of Rs. 10,000/- (Ten Thousand only)** should be in the form of D.D./Pay Order/Fixed Deposit Receipt/Bank Guarantee from commercial bank drawn in favor of Director, IARI payable at New Delhi. The original EMD should be submitted to the Tender Inviting Authority on or before the last date and time of offline 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 enter during the bid submission time otherwise the uploaded bid will be rejected.

6- No interest on security deposit and earnest money deposit shall be paid by the Institute to tender.

7- 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 favor

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. Here would however, be no performance security deposit for equipment/goods costing less than Rs. 1.00 lakh (Rs. One Lakh).

8- One year warranty has to be invariable provided by the firm. In case, there is any variation in the warranty period given in the specification of the item/equipment, the warranty period shall be the final as given in the specification.

9- Payment will be made by mode of e-payment to the supplier/firm after satisfactory completion of work and receipt of pre-receipt bills triplicate.

10- 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.

11- Cost of data logger and sensor for each unit need to be mentioned separately.

12- Quotations not complying with the above conditions are liable to be rejected.

13- TIN/VAT/PAN/C.S.T. Nos. Scanned copy of TIN/VAT/PAN/C.S.T. Nos may be attached with the bid.

14- 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, and New Delhi. His decision will be final and binding on both parties (Supplier and Purchaser)

15- 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.

Firms should have 3 years experience in this line, proof should be enclosed.

Sl. No.	Description / Specification of the Equipment/ Item
1.	SPAD Chlorophyll Meter

Asstt. Admn. Officer

Technical Specifications of SPAD Chlorophyll Meter

No of units required: One

Measurement Object	Crop/Vegetation leaves
Measurement method	Optical density difference at 2 wavelengths (Red & NIR)
Measurement area	2 mm×3 mm (Minimum)
Object thickness	1.2 mm (Maximum)
Object insertion depth	12 mm
Measurement range	-9.9 to 199.9 SPAD units (relative chlorophyll content)
Light source	2 LED elements
Receptor	Silicon photodiode
Display	LCD panel showing measurement values
Memory function	Memory capacity for up to 30 values; Calculation/display of average of data in memory
Power	AA-size batteries
Minimum measurement interval	Approx. 2 seconds
Accuracy	Within ± 1.0 SPAD units
Repeatability	Within ± 0.3 SPAD units
Reproducibility	Within ± 0.5 SPAD units
Operation Environment	0 to 50°C; Relative humidity of 85% or less (at 35°C) with no condensation
Portability	Light-weight handheld
Other functions	Warning buzzer; User compensation factor
Standard accessories	Depth stop; Strap; AA-size alkaline batteries; Soft case; Reading checker, User manual
Warranty	One year
Installation / Demonstration	Meter to be demonstrated at user site