



भाकृअनुप -राष्ट्रीय अजैविक स्ट्रेस प्रबंधन संस्थान
ICAR-National Institute of Abiotic Stress Management

(समतुल्य विश्वविद्यालय)/(Deemed to be University)
भारतीय कृषि अनुसंधान परिषद, कृषि अनुसंधान एवं शिक्षा विभाग
Indian Council of Agricultural Research, Department of Agricultural Research & Education
कृषि एवं किसान कल्याण मंत्रालय, भारत सरकार
Ministry Of Agriculture & Farmers Welfare, Government of India
मालेगांव, बारामती- 413 115, पुणे, महाराष्ट्र, भारत
Malegaon, Baramati- 413 115, Pune, Maharashtra, India



F. No: 4-385/2018-19

Date: 24.11.2018

Notice Inviting E-Tender

The Director, ICAR-NIASM, Baramati invites e-tenders for the **“SUPPLY OF LABORATORY EQUIPMENT – Photosynthesis Meter”** through the website www.eprocure.gov.in under two bid system from reputed firms as per Schedule given below:

Tender ID	Start of Sale of Tender	Last date for submission of Tender/EMD	EMD in Rs	Opening of Tender
2018_DARE_403741_1	26-Nov-2018 02:00 PM	17-Dec-2018 01:00 PM	Rs.60,000/-	18-Dec-2018 03:00 PM

Sd/-

Assistant Administrative Officer

Important Notes:

1. Tender Document can be downloaded from ICAR-NIASM website www.niam.res.in or from Central Public Procurement Portal www.eprocure.gov.in. Bidders should enroll / register in the e-procurement module of Central Public Procurement Portal through the website: www.eprocure.gov.in. Bidders should also possess a valid DSC for online submission of bids.
2. Bids received on e-tendering portal only will be considered. Bids in any other form sent through sealed cover/email/post/fax/by hand etc. will be rejected.
3. ICAR-NIASM, Baramati reserves the right to accept / reject any /all tenders in part /full without assigning any reason thereof.
4. ICAR-NIASM will not be responsible for any delay in enrollment/registration as bidder or submitting/uploading the offer on e-tender portal. Hence, bidders are advised to register in e-tendering website www.eprocure.gov.in and enroll their Digital Signature Certificate and upload their quotation well in advance.
5. Any changes/corrigendum/ extension of opening date in respect of this tender shall be issued only through websites and no press notification will be issued in this regard. Bidders are therefore requested to regularly visit CPPP website for updates.

Sd/-

Assistant Administrative Officer



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F. No: 4-385/2018-19

Date:24.11.2018

NOTICE INVITING ONLINE TENDER FOR SUPPLY OF LABORATORY EQUIPMENT – Photosynthesis Meter AT ICAR-NIASM, BARAMATI (MAHARASHTRA).

THE ONLINE TENDER SHALL BE OPENED ON 18.12.2018 at 15.00 hrs

1. Name & address of the Proprietor : _____
2. Name & address of firm/address of firm : _____
3. Telephone No : Office _____
Residence _____
Mobile No _____
4. Particulars of firm/agency/company
(Partnership Deed/Constitution in case of Society) : _____
5. P.A.N. : _____
6. GST Registration No. : _____
7. Name of Banker with full postal address : _____
8. Account No : _____
9. IFSC No : _____

10. The Bidder(s) may note that ONLINE BIDS will ONLY be accepted. All the requisite supporting documents as mentioned in the online bid document must be uploaded On-line <https://eprocure.gov.in/eprocure/app>. The Bids sent through any other mode shall not be considered and will be summarily rejected. The Demand Draft towards cost of EMD must reach this office in **original** by hand/post latest by 1.00 PM on 17.12.2018.

11. Visit us at our website: www.nism.res.in

Signature of Tenderer



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1. The Director, ICAR-NIASM, Baramati invites Online bids from the reputed Companies/firms:
2. Tender for above can be downloaded free of cost from the website www.niam.res.in. The tender schedule is as under:

Tender ID	Shall be notified on the website of Institute www.niam.res.in
Tender Reference No.	F.No.4-385/2018-19
Date of release of tender through e-procurement	26.11.2018 from 2.00 PM
Last date & time for submission of Online bid	17.12.2018 up to 1.00 PM
Pre bid Meeting	11.12.2018 on 3.00 PM
Date & time for opening of online Technical Bid	18.12.2018 at 3.00 PM
Address for communication	The Director, ICAR- National Institute of Abiotic Stress Management, Malegaon (Kh), Baramati Pin-413 115.

3. The Bidder(s) may note that ONLINE BIDS will ONLY be accepted. All the requisite supporting documents as mentioned in the online bid document along with duly signed Tender and scanned copies of DD of EMD must be uploaded On-line immediately. The Bids sent through FAX, E-mail, by hand and/or by post shall not be considered and will be summarily rejected.
4. The bidders may submit duly filled in and completed documents ONLINE as per instructions contained in the bidding documents. Incomplete online bid shall be rejected.
5. In case, holiday is declared by the Government on the day of opening the online bids, the online bids will be opened on the next working day at the same time. The Director, ICAR- NIASM, Baramati reserves the right to accept or reject any or all the tenders without assigning any reason(s) whatsoever.
6. The detailed instruction(s) for online submission(s) of online bid(s) through e-procurement module of Central Public Procurement of NIC, the bidder(s) may visit following link:-
<https://eprocure.gov.in/eprocure/app>

Sd/-

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INVITATION FOR BIDS

The Director, ICAR-NIASM, Baramati invites e-tenders for the “**SUPPLY OF LABORATORY EQUIPMENTS**” for the supply of following equipment's from manufacturers / firms/ authorized dealers of Indian/foreign manufacturers only **FOR basis**.

TECHNICAL SPECIFICATION

Sr. No	Name of Equipment	Quantity
1.	Photosynthesis Meter (Technical Specification as Per Annexure-1 of Tender Document)	01

INSTRUCTION TO THE TENDERERS

The Tender shall be submitted in accordance with these instructions and any tender not confirming the instructions as under is liable to be rejected. These instructions shall form the part of the tender and contract.

1. For Online Bid Submission, as per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal using valid Digital Signature Certificates. More information useful for submitting online bids on the CPP Portal may be obtained at www.eprocure.gov.in/eprocure/app.
2. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<http://eprocure.gov.in/eprocure/app>) by clicking on the link “Click here to Enroll”. Enrolment on the CPP Portal is free of charge.
3. The manufacturers/authorized distributors/dealers shall upload a self-declaration on their letterhead as PDF file in Cover-I of e-tender, along with the tender documents, confirming that they are regular in manufacturing/supplying of the item.
4. Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document/schedule and generally, they can be in PDF formats. Bid documents may be scanned with 100 dpi with black and white option.

5. A pre bid meeting will be held on 11.12.2018 at 3.00 PM. Bidders are requested to attend either themselves or through their authorised representatives to clarify any doubt relating to specifications etc.
6. The Technical Bids will be opened on 18.12.2018 at 03:00 P.M. The date & time for opening of Financial Bids will be notified on the portal. The bidders may regularly check the portal regarding the date of opening of financial bid.
7. While submitting the tender, if any of the prescribed conditions are not fulfilled or are incomplete in any form, the tender is liable to be rejected. If any Tenderer stipulates any condition of his own, such conditional tender is liable to be rejected.
8. The Director, ICAR-NIASM, reserves the right to reject any tender/bid wholly or partly without assigning any reason.
9. All the tender documents & Price Bid to be uploaded as per this tender are to be digitally signed by the bidder.
10. **Earnest Money Deposit (EMD):** An amount of Rs.60,000/-(Sixty Thousand Rupees) in the form of **Demand Draft drawn in favour of "ICAR Unit NIASM" payable at Baramati**. This EMD should be submitted in sealed envelope super-scribed as **"SUPPLY OF LABORATORY EQUIPMENT - Photosynthesis Meter"**. Failure to deposit Earnest Money will lead to rejection of tender. In the event of the awardee bidder backing out, EMD of that bidder will be forfeited. The EMD of the accepted Tender will be refunded only after on receipt of Contract Form.

Note: EMD envelope should be placed in another sealed envelope and address to: "The Director, ICAR-National Institute of Abiotic Stress Management, A/p. Malegaon Kh, Tal- Baramati, Dist-Pune-413115. This envelope having tender fee & EMD should reach on or before last date & time of submission of bid.

11. The Tender Documents are not TRANSFERABLE under any circumstances.
12. Only Courts in Pune shall have the jurisdiction over any dispute arising out of this Tender.
13. The Tenderer(s) shall furnish the complete **BANK DETAILS** for arranging payment through RTGS as per the details below:
 1. The following documents/certificates should also be furnished online:-
 - a) Certificate of registration of Firm and GST Certificate.
 - b) List of supply of Laboratory equipment/instruments executed during last three years with other Govt. organization/Institutes/Departments.
 - c) A Certificate that the firm is not blacklisted or debarred from dealing by any Government Organization/Institute/Department etc.
 - d) All documents/certificates etc. uploaded in the tender must be signed with seal by the firm.
 - e) Authorization certificate must be submitted from foreign supplier showing latest validity date.
 - f) Bank details for e-payment should be furnished as below:-

ACCOUNT NAME	
BANK & BRANCH NAME	
BANK ADDRESS	
BANK SWIFT CODE	
BANK CODE NO.	
BANK ACCOUNT NO.	
9 DIGIT (MICR) CODE NO.	
PAN ACCOUNT NO.	

(PAN No. is mandatory for principal firm and their authorized dealer)

14. The payment shall be arranged by this Institute within reasonable period of time on production of proper Printed Invoice/Bills (3 SETS) along with ORIGINAL, DUPLICATE AND TRIPLICATE SHEET with full details with advance stamped receipt.
15. The last date of tender (along with EMD) etc, is 17.12.2018 up to 1.00 PM. The Online tender shall be opened on 18.12.2018 at 3.00 PM. The incomplete tender will not be considered in any case and will be rejected.
16. In case, holiday is declared by the Government on the day of opening of online bids the received proposal will be open on the next working day at the same time.

GENERAL TERMS AND CONDITIONS OF PURCHASE ENQUIRY:

1. Validity of Tender:

- a) The tender shall be valid for a period of 180 days from the date of opening of the tender.
- b) No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed.

2. All the tenderers should give an undertaking that they would render after sales service of the equipment/machine and will supply all spares/consumable for at least 5 years from the date of installation of the same.
3. The firm qualifying technical specification may be asked to demonstrate the performance/working of the quoted model of the equipment/machinery, if needed.
4. **The tenderers should quote their rates of imported equipments/machine on FOR basis. Rates should be quoted in Indian Rupees.**

5. PRICE:

- i. Price schedule must be properly filled in for each equipment based on its Foreign/Indian components/parts & related service, otherwise bid may be rejected.
- ii. As per notification of Government of India, Ministry of Finance (Department of Revenue), Notification no. 45/2017-Central Tax (Rate) dated 14th November, 2017, this institute seeks exemption due to which GST payable will be 5% only (CGST @2.5% and SGST @2.5%)

6. Qualification Criteria:

- i. The bidder firm should not be blacklisted firm any Govt. department/organization during last 5 years
- ii. Copies of satisfactory Performance certificate for minimum last 3 years may be enclosed.
- iii. Three purchase orders received during last 3 years for similar items with copies of purchase orders.

7. **MAKE:** You should clearly indicate the name of the manufacturers (Make) and Model along with brochure containing full specifications against each of the item.

8. Terms of Delivery and Destination:

- i. Within 90 days from the date of opening of clear and acceptable Letter of Credit for imported goods/components.
 - ii. The delivery of items securely and neatly packed should be made at ICAR-NIASM, Baramati.
 - iii. The successful tenderer shall complete supplies strictly within the accepted delivery period. Material ordered by the ICAR-NIASM, Baramati shall be delivered FOR destination securely packed as may be necessary.**
 - iv. The items shall have to be delivered and installed at ICAR-NIASM, Baramati to the satisfaction of ICAR-NIASM, Baramati.
9. Supply and Installation of equipment/ instrument has to be carried out free of charge at ICAR-NIASM, Baramati. Within 60 days from date of issuing of purchase order.
10. A valid certificate of authorization in the format enclosed with the tender from the Principal firm must be enclosed by the Indian agents/firms quoting rates on behalf of their Principal.
11. In case of imported equipment, Principal firm should give guarantee for after sales service of their equipment through their agent/authorized dealer located in India.
12. If the Indian agent is changed, it would be responsibility of the Principal firm to ensure to intimate the ICAR-NISAM office about their changed agent in India and ensure after sale service through him.
13. If handling of the equipment requires training of the lab technician/scientist, the same will have to be provided in India either at the Institute or their Indian establishment, as the case may be, free of cost.
14. The tenders received late will be rejected.
15. The Director, ICAR-NIASM, Baramati reserves right to accept/reject any or all the tenders without assigning any reasons.
16. Any tender not accompanied by Earnest Money will be straight way rejected.

17. Performance Security:

- i. Within thirty (30) days, the successful tenderer shall furnish to the purchaser the Security Deposit equivalent to 5% of the purchase value.
- ii. The Security Deposit shall be in one of the following forms: (a) Bank Guarantee, issued by a scheduled bank or a FDR/Demand Draft payable to "ICAR Unit NIASM, Baramati".
- iii. Failure of the successful Tenderer/bidder to sign the contract and/or furnish the Security Deposit shall constitute sufficient grounds for the annulment of the award and forfeiture of the Earnest Money, in which event the Purchaser may make the award to the next lowest evaluated Tenderer or call for new tenders.
- iv. The Security Deposit will be discharged by the purchaser and returned to the Supplier following the date of completion of the Supplier's performance obligations under the contract, including any warranty obligations after receiving agreement letter.

17. Incidental Services:

- i. The supplier may be required to provide any or all of the following services, including additional services, as specified in Technical Specifications:
- ii. Performance or supervision of on-site installation, etc. of the system. b) Furnishing of tools required for assembly and/or maintenance of the System.
- iii. Furnishing of detailed operations and maintenance manual for each appropriate unit of system.

18. Warranty:

- i. There should be a comprehensive warranty of 24 (twenty four) months post installation and operationalisation of the equipment.
- ii. Subsequent to the period of comprehensive warranty, rate for comprehensive Annual Maintenance Contract (AMC) may also be quoted on year-to-year basis for 3 years.

19. You are also required to fulfil the following conditions and furnish the details as indicated in subsequent paragraphs.

- i. At the time of awarding the order, the purchaser reserves the right to increase or decrease the quantity of goods, without any change in the unit price or other terms & conditions.
- ii. Please indicate if you are currently registered with any Govt. organization and if registered, furnish all relevant details.
- iii. Please states whether business dealings with you presently stand banned by any Government organization and if so, furnish relevant details.
- iv. A supplier/ manufacturer shall not submit more than one quotation for the same set of goods.
- v. The supplier shall at all times indemnify the purchaser, at no cost to the purchaser, against all third party claims of infringement of patent, trademark or industrial design rights arising from the use of the goods or any part thereof, with respect to the goods quoted by the supplier in its offer.

vi. The contract shall be governed by the laws of India and interpreted in accordance with such laws.

vii. The Director, ICAR-NIASM, Baramati reserves the right to reject any tender in part or full without assigning any reason thereof.

20. **Contract:** The technically qualified vendor who is awarded the order will have to submit acceptance letter within 15 days of issue of order and will supply material within the stipulated time given in purchase order as per the quoted specifications.

Sd/-

Assistant Administrative Officer

TECHNICAL SPECIFICATION OF PHOTOSYNTHESIS METER**Item No 1: Photosynthesis Meter****Specification:**

Sr	Specification (IRGA)
1	Portable Photosynthesis System should be ideal for field or lab work that should include the Fluorescence measurement and Gas Exchange. System to be supplied complete with following System Configuration :
2	System should have facility to control CO ₂ , H ₂ O,/RH, temp, VPD
3	System Console with at least 512 MB RAM with 8GB Flash Memory/USB for Data storage with high speed Processor. The system should be Capable of survey measurements in less than one minute. System must have User-cleanable optics and simple maintenance procedures minimize down time and maintenance costs.
4	Display : Sunlight-readable TFT Color LCD Display with facility to view graphics as well as numeric data with full touch screen and self-diagnostic for any error with the measurement and control setting.
5	CO₂ Gas Analyzer : Absolute non dispersive IR Gas Analyzer Measurement Range: 0- 3000 $\mu\text{mol mol}^{-1}$ or better Precision: at least 0.1 $\mu\text{mol mol}^{-1}$ or better Accuracy: $\pm 1\%$ or better
6	The system should be supplied with Chamber Apertures for 9,6,3 cm ² ,area
7	H₂O Gas Analyzer Absolute non dispersive IR Gas Analyzer Measurement Range: 0-75 $\mu\text{mol mol}^{-1}$ or better
8	PAR sensor: <ul style="list-style-type: none"> External for ambient PAR measurement and Internal light sensor Range:0-3000 $\mu\text{mol m}^{-2} \text{ s}^{-1}$
9	Light measurement <ul style="list-style-type: none"> Sensitivity Range: 0-3000 $\mu\text{mol mol}^{-2} \text{ s}^{-1}$ Resolution:<1 $\mu\text{mol m}^{-2} \text{ s}^{-1}$ Calibration accuracy: $\pm 5\%$ of reading Detector: Silicon photodiode
10	Temperature measurement Operating temp: 0-50°C Temperature Control Range: ± 10 °C from ambient <ul style="list-style-type: none"> Sensitivity range: -10 to 50 °C or better
11	Air flow rate: leaf chamber flow rate 0-1400 $\mu\text{mol s}^{-1}$
12	External Co₂ source: supplied with minimum 12 g cylinder (nos.200)
13	Chamber pressure Console: operating range 50-110 kPa Chamber: range -2 to 2 kPa, resolution <1 kPa
14	Chlorophyll Fluorescence <ul style="list-style-type: none"> Modulated frequency: 1Hz – 250 kHz and should be capable for OJIP studies Actinic Light Output: 0-3000 $\mu\text{mol mol}^{-2} \text{ s}^{-1}$ Saturation light Intensity: 0-16,000 $\mu\text{mol m}^{-2} \text{ s}^{-1}$ Far-red light intensity: 0-20 $\mu\text{mol m}^{-2} \text{ s}^{-1}$
15	<ul style="list-style-type: none"> Battery: Lithium Ion Batteries, should be sufficient to whole day field measurement With option of external and internal charging. For continuous measurement minimum 4 Batteries should be supplied.

16	System should have Ethernet connectivity for remote access over internet and networking.
17	Accessory and consumable: tripod, stand, sodalime (minimum 5), drierite (minimum 5), system spare kit etc should be supplied
18	The system should have 6-8 extra port to connect the other sensors for simultaneous measurement of Other parameter like soil moisture, soil temp during photosynthesis measurement. The prices of these Sensor should be quoted in options
19	Warranty: Minimum 2 year comprehensive from date of installation
20	Bidder must competent to provide training and handle the instrument and to trouble shoot during use. Onsite training after installation should be given.
21	Supplied with printed user manual , software, carrying case etc.
22	Original brochure highlighted the desired specification,
23	User list with complete address with phone no should be given

1. Warranty:

- i. There should be a comprehensive warranty of 24 (twenty four) months post installation and operationalisation of the equipment.
- ii. Subsequent to the period of comprehensive warranty, rate for comprehensive Annual Maintenance Contract (AMC) may also be quoted on year-to-year basis for 3 years.

Online Bid Submission Details**Online Bid Submission:**

The Online bids (complete in all respect) must be uploaded online in Two Covers as explained below:-

COVER - I (Following documents to be provided as PDF file)			
Sl. No.	Documents	Content	File types
1	Technical Bid	Scan copy of PAN and GST Registration	.PDF
2		Scan copy of Earnest Money Deposit by way of Demand Draft	.PDF
3		Scan copy of certificate for EMD exemption,(if claiming).	.PDF
4		Certificate that the firm is not black-listed or debarred from dealing by any Govt. organization/Institute/Department etc.	.PDF
5		Department/organization/Institute to whom the Firm is having supplied similar item to other organization(s), if any (attach copies)	.PDF
6		Scan copy of Authorization letter	.PDF
7		Undertaking regarding after sale repair up to 5 years	.PDF
8		Technical literature/brochure (Original copy) etc. of the equipment/machinery/ model offered by the firm	.PDF
9		Scan copy of self-declaration that all the terms and condition of contract is acceptable	.PDF
10		Compliance sheet for technical specification	.PDF
11		Self-declaration in letter-head that they are regular in manufacturing/supplying of the item	.PDF
COVER - II			
1	Financial Bid	Price bid (BOQ) to be filled in Excel format	.XLS

All the documents has to be digitally signed by the bidder.

Sd/-

Assistant Administrative Officer

Format for Financial Bid

Please submit as per BOQ in the CPP Portal