



भाकृअनुप - भारतीय कदन्न अनुसंधान संस्थान  
ICAR – INDIAN INSTITUTE OF MILLETS RESEARCH  
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F.No.1-741/15-16/ST

Date: 14-06-2016

**ENQUIRY**

To \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Dear Sir,

**Sub:- Quotation for Purchase of “Chlorophyll Fluorescence System” – reg**

We are interested to take up the **Purchase of Chlorophyll Fluorescence System**. Detailed specifications, quantity required etc, are detailed in Annexure-I. Please forward your quotation in **two-way bid system** in a sealed cover with super scribing of enquiry number and date to the Director, IIMR, (DSR), Rajendranagar, Hyderabad-500030.

Enquiry should be submitted in sealed envelope. The envelope shall be addressed to the Director, Indian Institute of Millets Research, (IIMR), Rajendranagar; Hyderabad-500030, (purchaser) and it should also bear the tender enquiry number and name of the **Purchase of Chlorophyll Fluorescence System**.

A DD of **Rs.200/-** towards enquiry fees and **Rs.18,000/-** towards EMD in form of DD in favour of” ICAR UNIT-IIMR” Account payable at Hyderabad should be enclosed with technical bid otherwise your enquiry will not be considered except those who are registered with NSIC (copy should be enclosed). In case of non supply of order as per purchase order/supply order the EMD will be forfeited.

**Date and time for submission of quotation on or before 05.07.2016 up to 02.00 pm**

**Date and time for opening of technical bid 05.07.2016 at 02.30 pm**

In the event of date specified proposal submission for Enquiry Receipt declared as closed holiday for Office, the due date for the submission of the Enquiry will be the following working day.

**PROPOSAL SUBMISSION:**

Interested bidders should submit both technical and financial proposals in two parts namely.

- a **Technical Proposal -- Part “A” -- Annexure-I**
- b **Financial Proposal -- Part “B” -- Annexure-II**

The technical and financial proposal must be submitted in two separate sealed envelopes indicating clearly on envelopes as **“TECHNICAL PROPOSAL”** and **“FINANCIAL PROPOSAL”**. Financial proposal to indicate a warning **“DO NOT OPEN WITH THE TECHNICAL PROPOSAL”**. The envelopes containing the Technical and Financial Proposals shall be placed into an outer envelope and sealed. This outer envelope shall bear the title of the assignment **“Quotation for Purchase of Chlorophyll Fluorescence System”**.

Technical Proposal should be prepared considering the detailed specifications of the item as mentioned in the Annexure-I. On the basis of detailed specification a check list is attached as **Annexure-I & III** which must be submitted only along with the technical proposal, duly signed and sealed Brochures of the make & model of the equipment for which quotation is being submitted must be attached with the technical bid for technical verification by the committee. If the firm don't enclose the requisite documents in support to the checklist their tender will be rejected. The technically qualified bidders will be informed the date & time of opening of Financial Bid.

#### **FINANCIAL PROPOSAL CONTENT**

Financial proposal should be in the form of a lump sum amount inclusive of all taxes etc., for the said **"Purchase of Chlorophyll Fluorescence System"** and should be submitted in the attached Annexure – II only.

Yours faithfully,

**Administrative Officer**

**Technical bid**  
**Technical bid for “Purchase of Chlorophyll Florescence System”**  
**(If any tenderer is having equipments of higher/latest specifications than our**  
**specifications, kindly quote for them also in the tender)**  
**(Related brochures should be enclosed)**

Specifications	Yes/No
<p><b><u>Chlorophyll Fluorescence system, Qty-1No</u></b></p> <p><b>Technical Specification</b></p> <p><b>Portable</b>, should measure pulse modulated fluorescence emission under ambient light conditions in the field.</p> <p><b>The chlorophyll fluorescence system should be able to measure following parameters</b></p> <ol style="list-style-type: none"> <li>1. Dark adapted parameters <math>F_o</math>, <math>F_m</math>, <math>F_v</math>, &amp; <math>F_v/F_m</math></li> <li>2. Light Adapted parameters: <math>F_s</math>, <math>F_m'</math>, <math>F_o'</math>, <math>F_v'</math>, <math>F_v'/F_m'</math>, <math>\phi_{psII}</math> &amp; ETR</li> <li>3. Quenching Coefficients: Yield <math>q_P</math> &amp; <math>q_{NP}</math></li> </ol> <p><b>Weight:</b> 2.0 kg including battery or less</p> <p><b>Light Sources:</b> Modulation beam: Temperature compensated 594nm amber LED with 4 Step frequency Control</p> <p><b>Halogen Source:</b> Actinic up to 3000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math> or more, saturating up to 20,000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math>, Far red light for excitation of Photosystem-I fluorescence</p> <p><b>Detector:</b> PIN photodiode with &gt;700nm filter</p> <p><b>Data Memory:</b> Flash memory 8 MB or more, providing memory for up to <b>30,000</b> saturation pulse analyses.</p> <p>* Display: LCD disply, Touch Screen – operated</p> <p>* Power supply: x field replaceable 2.0 Ahr lead acid batteries, 95 to 260 V universal input mains supply.</p> <p>* Leaf clips: with integral PAR (0 to 20,000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math>)/temperature sensor (-10 to 90°C), 25 dark adaptation clips with fibre-optic adapter</p> <p>Windows © data acquisition &amp; data analysis software</p>	

Before submitting the quotation you are requested to read the detailed instructions mentioned overleaf. Certified that I have enclosed the brochure along with the technical bid.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature & Seal of the Firm

Email: \_\_\_\_\_

Ph .No (Office): \_\_\_\_\_

Cell: \_\_\_\_\_

**Financial Proposal**  
**Purchase of Chlorophyll Fluorescence System”**

Specifications	Unit Price	Total Amount (Incl Taxes)
<p><b><u>Chlorophyll Fluorescence system, Qty-1No</u></b></p> <p><b>Technical Specification</b></p> <p><b>Portable</b>, should measure pulse modulated fluorescence emission under ambient light conditions in the field.</p> <p><b>The chlorophyll fluorescence system should be able to measure following parameters</b></p> <p>1. Dark adapted parameters <math>F_o</math>, <math>F_m</math>, <math>F_v</math>, &amp; <math>F_v/F_m</math></p> <p>2. Light Adapted parameters: <math>F_s</math>, <math>F_m'</math>, <math>F_o'</math>, <math>F_v'</math>, <math>F_v'/F_m'</math>, <math>\phi_{psII}</math> &amp; ETR</p> <p>3. Quenching Coefficients: Yield <math>q_P</math> &amp; <math>q_{NP}</math></p> <p><b>Weight:</b> 2.0 kg including battery or less</p> <p><b>Light Sources:</b> Modulation beam: Temperature compensated 594nm amber LED with 4 Step frequency Control</p> <p><b>Halogen Source:</b> Actinic up to 3000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math> or more, saturating up to 20,000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math>, Far red light for excitation of Photosystem-I fluorescence</p> <p><b>Detector:</b> PIN photodiode with &gt;700nm filter</p> <p><b>Data Memory:</b> Flash memory 8 MB or more, providing memory for up to <b>30,000</b> saturation pulse analyses.</p> <p>* Display: LCD display, Touch Screen – operated</p> <p>* Power supply: x field replaceable 2.0 Ahr lead acid batteries, 95 to 260 V universal input mains supply.</p> <p>* Leaf clips: with integral PAR (0 to 20,000 <math>\mu\text{mol m}^{-2} \text{s}^{-1}</math>)/temperature sensor (-10 to 90°C), 25 dark adaptation clips with fibre-optic adapter</p> <p>Windows © data acquisition &amp; data analysis software</p>		

**Note:**

- 1) Items should be delivered at IIMR.
- 2) Sales tax/VAT should be indicated clearly.
- 3) The rates and prices quoted shall be in Indian Rupees or in foreign currency for imported equipments (FOB value).
- 4) The rates and prices quoted by the supplier shall remain firm and fixed during the currency of the contract and shall not be subject to variation on any account, whatsoever, including statutory variations, if any.

We are herewith undertaking that the details provided above are true and to abide by the terms and conditions contained in the bid document of IIMR.

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature of authorised official  
(With seal and stamp)Name: \_\_\_\_\_  
Designation: \_\_\_\_\_

### **IMPORTANT INSTRUCTIONS**

1. No advance payment will be made.
2. Payments will be made by RTGS/electronically within 30 days only on receipt of the stores in good condition. RTGS details may also be submitted with the tender/enquiry/quotation. (Financial Bid)
3. The price quoted should be F.O.R, RAJENDRANAGAR, HYD-30, preferably door delivery to IIMR (DSR) premises.
4. The sales tax etc., should be clearly indicated separately wherever chargeable.
5. The acceptance of the quotation will rest solely with the Director, IIMR and reserves the right to reject or partially accept any or all the quotations received without assigning any reasons thereof.
6. Time is the essence of the order as our requirements are connected with time targeted research programmes. In case of delay or non-compliance of this order liquidated damages will be levied @ 2% per week subjected to maximum of 10% of the order value. Further EMD, if any will be forfeited and suitable legal action will be taken against you.
7. YOUR QUOTATION SHOULD BE VALID ATLEAST FOR THREE MONTHS FROM THE DATE OF SUBMISSION.
8. This office will not be held responsible for any postal delay.
9. The consignment has to be supplied in 4-6 weeks time from the receipt of supply order.
10. Submit related Catalogues, otherwise, your tender will not be considered.
11. Any disputes arising out of this order will be subject to the Jurisdiction of Ranga Reddy district.
12. You should also prepare to deposit Security money @ 10% of the quoted price in case of finalization of the order in your favour.

**Check list**

**Annexure-III**

Minimum requirements to be checked at the time of opening technical proposal by the committee.

1	Enquiry/Tender fees DDNO. Dt:	Y/N	Page No
2	EMD DD.No. Dt: (If availing NSIC exemption, Pl. provide Certificate)	Y/N	
3	Validity of the quotation :90 Days	Y/N	
4	Original Tender form must be submitted duly signed and Stamped on each page	Y/N	
5	One supplier one Quotation only	Y/N	
6	Tax Identification Number copy of the firm (Self attested copy)	Y/N	
7	Copy of the PAN (Self attested copy)	Y/N	
8	Price Quote must be in the format enclosed Annexure-II	Y/N	
9	Turn over should equal to or more than ₹ 20,00,000/- in any of the three years out of last five years-Copy must be enclosed. (copy of IT returns and copy of Annual Accounts Certified by CA or self attested must be enclosed as proof) 2014-2015 : Rs. _____ 2013-2014: Rs. _____ 2012-2013: Rs. _____ 2011-2012: Rs. _____ 2010-2011 : Rs. _____	Y/N	
10	Any refusal or Non- supply of previous order. In case of refusal or non-supply of previous orders (Beyond the given time) the bid of such firms will not be considered.	Y/N	

**If the firm does not enclosed the requisite document in support to the checklist, their tender will be rejected.**

I have gone through the conditions and certified that all the information provided are true. In case of any false information given by me, my tender may be rejected for which the purchaser will not be held responsible.

**Place:**

**Signature of the bidder**

**Date:**

Name:- \_\_\_\_\_

Seal and stamp:- \_\_\_\_\_