



भाकृअनुप – भारतीय कदन्न अनुसंधान संस्थान
ICAR – INDIAN INSTITUTE OF MILLETS RESEARCH
(ज्वार अनुसंधान निदेशालय-DIRECTORATE OF SORGHUM RESEARCH)
राजेन्द्रनगर, हैदराबाद/Rajendranagar, Hyderabad-500030
Phone: 040-24599300.Faxno.040-24599304.www.millets.res.in



F. No. 1-814/16-17/ST/EFC

Date: 09-12-2016

ENQUIRY

To _____

Dear Sir,

Sub:- Quotation for Purchase of Protein Analyzer – reg

We are interested to take up the **Purchase of Protein Analyzer**. 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 Protein Analyzer**.

A DD of **Rs.200/-** towards enquiry fees and **Rs. 24,000 /- 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/MEME (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 26.12.2016 upto 02.00 pm

Date and time for opening of technical bid 26.12.2016 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 Protein Analyzer**".

: 2 :

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. Related Catalogues/broachers should be submitted with tender for technical verification .The technically qualified bidders will be informed the date & time of opening of Financial Bid.

FINANCIAL PROPOSAL CONTENT

(a)The tender shall quote for the complete requirement of goods & services and for the full quantity as shown in Annexure –I.

(b) The rates and prices quoted shall be in Indian Rupees or in foreign currency for imported equipments (FOB Value).

(c) All duties, taxes and levies payable by the supplier under the contract shall be included in the quoted prices. The purchaser will not pay any such duties, taxes and levies separately. However Sales Tax, as legally and contractually, leviable will be quoted separately by indicating the nature and the current rate of sales tax, as applicable at the time of quoting. The Sales Tax will be paid extra at actual at the time of supply, provided the transaction of sale is legally liable to Sales Tax and the amount of the Sales Tax is contractually payable. If the supplier in its quotation does not ask for sales Tax extra, the same shall not be paid even if it asks for the same at a later.

(d) The rates and prices quoted by the supplier shall remain uniform and fixed during the currency of the contract and shall not be subject to variation on any account, whatsoever, including statutory variations, if any.

(e) The Competitiveness of the tender will be decided based on the price of core equipment i.e. without considering the accessories.

Yours faithfully,

Administrative Officer

Technical bid
Technical bid for "Purchase of Protein Analyzer"
 (If any tenderer is having equipments of higher/latest specifications than our specifications, kindly quote for them also in the tender)

Make: _____

Model: _____

Sl. No.	Specifications	Qty	Yes/No
01	<p>The system should have integrated digestion, distillation and titration modules for protein estimation in food and feed samples</p> <p><u>A. Digestion system:</u></p> <ol style="list-style-type: none"> 1. Should possess a cast aluminium alloy heating block with temperature controller for uniform heating; provided with overheating cutoff and error indication 2. Should accommodate a minimum of 20 sample tubes of 250 ml or higher capacity and sample tubes should be made of high quality glass resistant to acids and temperature; should be flexible to digest less number of samples in case of low throughput 3. Should have a facility for automatic loading of the sample tubes and rack and auto lift along with rack after digestion 4. The fume extraction manifold should properly seal the tubes and should connect to a scrubber system without the need for fume-hood 5. Should have capacity to store a minimum of 50 heating programs with 10 steps 6. The system should be compatible with PC through USB ports and software should have capacity for graphical representation of digestion program and multiple unit monitoring 7. The machine should also be working without a PC, with touch screen controls or wireless mouse 8. All essential accessories like digestion tubes (250 ml, 20 nos), stainless steel insert rack, exhaust manifold and suction assembly should be provided with the digester 9. One additional set of tubes (250 ml, 20 nos), and insert rack should be provided 10. The system must possess inbuilt safety features with CE certification to meet good laboratory practice 11. Capacity for wireless data monitoring, control and transfer to PC is preferable 	1 No.	

B. Scrubber system

1. Should be a microprocessor based acid scrubber integrated with the digestion system
2. Should have inbuilt pump for water recirculation that starts with the digestion system and stops on completion with a delay time of 5-10 mins to remove residual fumes
3. Should be programmable for automatic disposal of waste and auto drain of water tank with level indicators
4. Should sense the availability of tap feed water with inbuilt alarm for error indication
5. Scrubber condenser, collection flasks, water and alkali containers should be provided with the system
6. The system must possess inbuilt safety features with CE certification to meet good laboratory practice

C. Automatic distillation system with titrator

1. Should be programmable microprocessor based with built in software and colour touch screen display
2. The system should be programmable to automatically add reagents like alkali, water, $KMnO_4$, steam and Boric acid with facility to program and control distillate volume and connectivity for automatic titrator
3. The sample tubes of the digester should snugly fit in the distillation unit with auto door open alarm and auto residue removal after distillation
4. Should possess efficient condenser system with adjustable steam power and facility to monitor distillate temperature and alarm for any errors in the process and automatic deactivation of the system with a dedicated remote safety key
5. The steam generator should be made of corrosion resistant stainless steel
6. Should have sensing system for reagent levels and condenser water with warning alarm and should be compatible for connecting to a refrigerated water cooling system
7. Should have interface for connection to PC with data exportable to excel with inbuilt software and inbuilt printer for calculation of result
8. The titration system should be fully automatic based on potentiometric acid base titration and completely integrated with distillation system for online titration
9. The titration curve should be documentable on connected printer or USB storage

<p>10. Should perform end point titrations to one equivalence point with dynamic or linear titrant addition</p> <p>11. The titrator can also be used manually with controller and should have DIN or BNC sockets for electrode and temperature probes</p> <p>12. The system must possess inbuilt safety features with CE certification to meet good laboratory practice</p> <p><u>D. Refrigerated water cooling unit for distillation system</u></p> <p>1. The system should use not more than 20 ltrs of water and should possess digital display for water temperature indication</p> <p>2. Should be compatible with the distillation system supplied and should supply 8-10 C water continuously to the condenser</p> <p><u>General specifications</u></p> <p>1. All the modules of the system should work on 230 V, 50 Hz AC power supply</p> <p>2. Complete working of all units of the system should be demonstrated with customer samples</p> <p>3. The whole system should be given warranty for a period of three years from all manufacturing defects</p> <p>4. All accessories required for running of the system should be supplied with the instrument</p> <p>5. The supplying firm should be ISO certified and CE compliant with capability to supply spares for 10 years after warranty</p> <p>6. Relevant brochures should be provided with the quotation for technical evaluation of the system suitability</p> <p><u>Optional accessories:</u> These may be quoted separately</p> <ol style="list-style-type: none"> 1. One set of 10 tubes (250ml) for digestion system 2. Calibration standards for titration system 3. Suitable voltage corrector for digestion system 4. Online UPS system 2KVA (or as suitable) with 30 min backup for distillation and titration systems 	
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Before submitting the quotation you are requested to read the detailed instructions mentioned overleaf.

Date: _____

Place: _____

Signature & Seal of the Firm

Email: _____

Ph .No (Office): _____

Cell: _____

Financial Proposal

Sl. No.	Specifications	Unit Rate	Total Amount (Including TAXES)
01	<p><u>A. Digestion system:</u></p> <p><u>B. Scrubber system</u></p> <p><u>C. Automatic distillation system with titrator</u></p> <p><u>D. Refrigerated water cooling unit for distillation system</u></p> <p><u>Optional accessories:</u> These may be quoted separately</p>		

Note:

- 1) Items should be delivered at IIMR.
- 2) Sales tax/VAT should be indicated clearly.

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: _____

Signature of authorised official
(With seal and stamp)

Name: _____

Place : _____

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.
3. **You should also prepare to deposit Security money @ 10% of the quoted price in case of finalization of the order in your favour.**
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 .The date of delivery should be strictly adhered to. Otherwise liquidated damages(2-10%) will be levied as per ICAR/Govt. of India orders from time to time, if the delivery schedule is not adhered to. Part supplies not accepted under any circumstances.
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. The bids received after the due date & time will be rejected out rightly.
9. The consignment has to be supplied in 3-4 weeks time from the receipt of supply order.
10. Submit related Catalogues/broachers with detailed specifications for technical verification and evaluation.
11. The bidders are advised to read all the instructions contained in the tender document carefully.
12. All the documents required as per terms & conditions of the bid document should be page numbered and duly signed with seal by the Authorized Signatory. A certificate to this effect must be filled up and signed with seal as enclosed with the tender document.
13. Overwriting & Correction(S) should be attested properly incomplete & unsigned bids will not Considered.
14. Training of purchasers operator(s) for operating the goods ordered, as and if necessary operators(s) is/are to be trained for a period of one week at purchasers premises/supplier premises for successfully operating the goods purchased. The training shall be completed by one week or depending on the operation of the equipment, if required.
15. Any disputes arising out of this order will be subject to the jurisdiction of Ranga Reddy District

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:	Y/N	
3	Validity of the quotation :90 Days	Y/N	
4	Delivery period :3-4 weeks	Y/N	
5	ORIGINAL- Tender form must be submitted duly signed and Stamped on each page	Y/N	
6	One supplier one Quotation only	Y/N	
7	Tax Identification Number copy of the firm	Y/N	
8	Copy of the PAN		
9	Price Quote must be in the format enclosed Annexure-II	Y/N	
10	Turn over should equal to or more than ₹48,00,000/-in any of the three years out of last five years. (copy of IT returns and copy of Annual Accounts Certified by CA or self attested must be enclosed as proof) 2014-2015 2013-2014 2012-2013 2011-2012 2010-2011	Y/N	
11	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	

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;

Date:

Signature of the bidder

Name:- _____

Seal and stamp:- _____