



# भाकृअनुप - केन्द्रीय बारानी कृषि अनुसन्धान संस्थान

## ICAR - Central Research Institute for Dryland Agriculture

संतोषनगर, सैदाबाद-पोस्ट हैदराबाद ५०००५९ Santoshnagar, Saidabad P.O. Hyderabad 500 059

040-24530161,24530163,24530224 Fax:040-24531802 www.crida.in Email : stores@crida.in



### TENDER ENQUIRY FOR SUPPLY OF PROTEIN SEPARATION SYSTEMS AND CHARACTERIZATION FACILITY INCLUDING 2D-ELECTROPHORESIS GEL IMAGING AND DOCUMENTATION WITH NECESSARY SOFTWARE AND ALL ACCESSORIES

**F.No. 9-1/(36)/NICRA/2016/ST**

**Dated :25th August, 2016**

#### **Tender Enquiry For Supply of Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories:-**

CRIDA is a premier publicly funded Research Institute on Dryland Agriculture under the Indian Council of Agricultural Research (ICAR), DARE, Ministry of Agriculture, Government of India. The Director, CRIDA Santoshnagar, Hyderabad – 500 059, Telangana India, now Invites sealed Tender Enquiry For Supply of Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories from the eligible bidders/reputed manufacturers/ authorized dealers/suppliers.

#### **GENERAL TERMS & CONDITIONS**

- 1 Cost of Tender Document :** The cost of Tender Document is Rs.1000/- in the form of **Demand Draft (DD)** drawn in favour of “**ICAR Unit - CRIDA A/c.**” Payable at Hyderabad. **Cost of tender, EMD and tender bid should be submitted as mentioned.**
- 2 Downloads of Tender Documents:** Tender Document with full details can be downloaded from CRIDA Website (<http://www.crida.in>) or the Government of India, Central Public Procurement Portal (<http://www.eprocure.gov.in>) and in such cases, participation in the tender will be subject to remittance of the prescribed **Cost of tender document & EMD.**
- 3 EMD :** **EMD in the form of crossed Demand Draft/Bankers cheque** drawn from any commercial bank *in favour of “ICAR Unit – CRIDA A/c.”*, payable at Hyderabad should be enclosed with the tender quoted by the bidder(s). The bidder has to submit **EMD** except those who are registered with Central Purchase Organization (CPO), National Small Industries Corporation (NSIC), SSI units registered with NSIC or the concerned Ministry or Department. The unsuccessful bidders **EMD** will be returned soon after the finalization of Tender, where as the successful bidders **EMD** will be returned subject to furnishing the required **Performance Security** for an amount of **10%** of the value of the contract in the form of **Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any commercial bank.** The amount of **EMD** submitted along with tender document will be forfeited in the event of failure to deposit performance Guarantee ( Security Deposit) by the successful bidder. The decision in all these matters shall be final and binding on you. No interest will be paid on Earnest Money/Security Deposit for the period of retention in the CRIDA, Hyderabad.

S.No.	Particulars	Technical Specifications Page Numbers	EMD Amount (Rs.)	Qty
1.	Protein Separation Systems and characterization facility including 2D-electrophoresis, gel imaging and documentation with necessary software and all accessories	Page No-6	50,000	1 No.

Performance Security	10% of the tendered value
Cost of tender document	Rs.1000/- (1100/- by post) (Rupees One thousand only) (Non-refundable) through Demand Draft in favor of “ICAR Unit CRIDA A/c.” payable at Hyderabad.
Sale of tender document	25-08-2016
Last date of submission of tender requisition	26-09-2016 upto 1100 hrs
Date, Time and place of submission of tender document	26-09-2016 upto 1400 hrs Room No.109, Stores Section, CRIDA
Date, time and place of opening of tender	26-09-2016 at 1500 hrs

4. **Security Deposit:** The successful bidder has to furnish an amount equivalent to ten (10) per cent of the order value as **Performance Security Deposit** which will be refunded / returned only after satisfactory completion of the contractual obligations including warranty. The Security Deposit should be in the form of Demand Draft, Fixed Deposit Receipt or Bank Guarantee from any Commercial Bank and on which no interest will be paid.

5 **Important Dates:**

1.	Start date of down loading the Tender Document	25-08-2016	11:00 hrs
2.	Last date for down loading of Tender Document or any addendum / corrigendum	26-09-2016	14:00hrs
3.	Last date and time for submission of Tenders	26-09-2016	14:00 hrs
4.	Date and Time for opening Bids	26-09-2016	15:00 hrs

- 6 **Submission:** Tender with proper superscription on the cover as “**Supply of Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories**” should be submitted in the Office of the Director, CRIDA, Santoshnagar Hyderabad – 500 059, Telangana, on or before the due date and time as given in the tender document.

- 7 **Due Date:** Tender received after due date and time will not be considered. The Institute will not be responsible for postal delays.

- 8 **Delivery Schedule:** Unless otherwise specified, **Supply of Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories** should be within 30 days from the date of issue of the Purchase Order. No 'part supply' is allowed. Specific mention should be made as to whether delivery will be from ready stock or will have to be imported / acquired and in the latter case the time required for delivery after purchase order is placed should be indicated clearly.

- 9 **Note:** The Envelope containing the tender, showing the name of the equipment as well as all subsequent Communications should be addressed/delivered to:

**The Director  
Central Research Institute for Dryland Agriculture  
Santoshnagar, Saidabad Hyderabad – 500 059, Telangana, India**

- 10 All communications must be addressed to the above Officer by designation but not by name.
- 11 **Payment:** No advance payment is permissible. Payment will be made only after supply of **Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories** is accepted by the committee after successful functioning of the facility with due certification of the concerned in-charges.
- 12 **Place of Delivery / Installation:** Stores and Purchase Officer,. Supply and Installation is to be done at Central Research Institute for Dryland Agriculture, Hyderabad, Telangana
- 13 **Bank details for e-payment:** The bank details may be furnished along with tender for making e-payment to the successful bidder.
- 14 **ISO certification:** The ISO certification of the product (wherever applicable) may be furnished along with tender.
- 15 **Period of Validity:** The rates quoted shall be valid for a minimum period of **180 days** beyond the date of opening of tenders.
- 16 **Rates:** Rates should be quoted in the prescribed Price Schedule in Indian Rupees only.
- 17 **Specifications:** Full specifications of the item quoted should be indicated in the tender along with illustrated pamphlets, drawings etc. wherever available. The supplier has to submit the compliance statement on the technical specifications in the prescribed format enclosed to this schedule.
- 18 **Indigenous items:** Articles of indigenous origin are required except where specified otherwise. Where indigenous make is not available foreign made articles can be quoted for, provided, payment is acceptable in Indian currency.
- 19 **Rate Contracts:** In case of any of the item mentioned in the schedule are covered by Rate Contract of DGS & D etc. the rate contract number and date of validity may be specified invariably. Supply of copy of the Rate Contract is more helpful.

- 20 Taxes/Duties:** If taxes, duties, or any other charges over and above the rates quoted are payable by the purchaser, actual / percentage of such taxes / duties / charges should be clearly indicated.
- 21** While submitting the tender document the brochures, catalogues etc. must be invariably enclosed bid.
- 22 Excise Duty:** Institute is exempted from payment of Customs / Central Excise Duty charges Vide Govt.of India, Ministry of Science and Technology, Deptt.of Scientific and Industrial Research, vide Letter No.TU/V/RG-CDE(372)/2011, dated 29-08-2011.
- 23 Service Support and Warranty:** The Warranty requirement for the equipment shall be for 12 months from the date of satisfactory testing for data receipt. In the event of the equipment requiring any rectifications, the warranty will start from the date of successful rectification.
- 24 Enquiry's on tender:** Any enquiry's regarding the tenders will not be entertained once the tenders are opened.
- 25 Acceptance of tender:** Director, CRIDA reserves the right to accept or reject any of the tenders either in part or in full without assigning any reason thereof.
- 26 Quantities:** Director, CRIDA reserves the right to reduce or increase the quantity at the time of placing the Purchase Order.
- 27 Decision:** The Decision of the Director, CRIDA on any dispute in the matter will be final and legally binding.
- 28 Jurisdiction:** All disputes including court proceedings shall be settled within the Hyderabad jurisdiction only.
- 29 Rejection of tenders:** Tenders not complying with the above conditions are liable to be rejected.
- 30 Other conditions :**
- a. Late submission of tenders & unsigned tenders shall not be entertained at any cost after specified date & time as indicated. **The tenders without EMD amount will not be considered.**
  - b. In the event of the date & time specified for tender receipt being declared as a closed holiday for purchaser's office, the due date for submission of tenders will be the following working day at the specified timings. CRIDA does not hold any responsibility for postal delays.
  - c. The "Supply and Installation of **"Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories**" as per supply order shall be transported to CRIDA campus at your cost.
  - d. The tender document should invariably be filled in and duly signed by the authorized signatory by affixing the company/firm seal on every page of tender and the terms and conditions should strictly be followed before submitting the tender.

**Director, CRIDA reserves the right to accept or reject any or all the tenders. Decision of the Director will be final and legally binding. All disputes will be subject to Hyderabad Jurisdiction only.**

(Stores & Purchase Officer)



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### CHECK LIST

Please give page numbers to the tender document and all enclosures and also verify the following documents before submission of the tender in the sequence listed below, to avoid rejection or disqualification of your tender.

PLEASE NOTE THAT ALL RELATED PHOTO COPIES MAY PLEASE BE ENCLOSED WITH THE TENDER DOCUMENT AS A PROOF

S.No.	List of the Documents to be enclosed with the Tender	Page No.	Enclosed (Yes/No)
1.	<b>Cost of Tender Schedule:</b> Rs.1000/- in the form of Demand Draft drawn in favour of "ICAR Unit – CRIDA A/c.". The Tender Document can also be downloaded with full details through CRIDA Website ( <a href="http://www.crida.in/">http://www.crida.in/</a> ) or the Government of India, Central Public Procurement Portal ( <a href="http://www.eprocure.gov.in">http://www.eprocure.gov.in</a> )		
2.	<b>Earnest Money Deposit:</b> EMD should be drawn on any Commercial bank as indicated in the notice inviting tenders in favour of "ICAR UNIT – CRIDA A/c"  <b>EMD D.D.No.</b> _____ <b>Dated:</b> _____ <b>for Rs.</b> _____ ; Bank _____		
3.	Following documents as indicated in the tender document printed on the tenderer's letterhead with date signature and seal.		
3 (a)	<b>Tender Form</b>		
3 (b)	<b>Statement on Compliance</b> of the Technical Specifications with deviations, if any and technical literature of the product to be enclosed;		
4	Document showing the firm/company's turnover be Rupees Two Crores per annum for the preceding <b>two financial years i.e. 2013-14 &amp; 2014-15</b> certified by the Chartered Accountant		
5	Document regarding <b>registration /Certificate</b> of incorporation of the firm issued by the appropriate government to be enclosed.		
6	Certificates of registration for <b>Sales Tax / VAT</b> issued by appropriate Government for the required services with the seal of the tenderer to be enclosed.		
7	The firm should submit <b>Income Tax returns</b> of previous 3 financial years i.e., <b>2012-13, 2013-14 &amp; 2014-15</b> along with the tender document.		
8.	<b>NSIC/SSI certificates</b> registered with NSIC (if applicable) to be enclosed		
9.	<b>Any other document</b> or information as required in the tender document.		
10.	<b>Total pages of your entire Tender Document</b> including Enclosures		
		<b>No.of Total Pages :</b> _____	

Certified that the above information is correct and the firm is willing to accept all the terms and conditions of the tender document.

Signature and Seal of the Bidder: \_\_\_\_\_

Business Address: \_\_\_\_\_

**TENDER FORM**  
**(To be filled in by the Tenderer duly printed on their letter head)**

Tenderer's Ref.No. \_\_\_\_\_ Date: \_\_\_\_\_

From: \_\_\_\_\_

Grams: \_\_\_\_\_

PIN \_\_\_\_\_

Phone No. \_\_\_\_\_

Fax No. \_\_\_\_\_

To  
**The Director**  
**Central Research Institute for Dryland Agriculture,**  
**Santoshnagar, Saidabad, HYDERABAD – 500 059**

Ref: Your Tender Notice Advt. No. \_\_\_\_\_ dated-----.

Dear Sir,

I/We hereby offer for your requirements detailed in the schedule hereto or such portion thereof as you may specify in the Acceptance of Tender at the **rates given in the said schedule and agree to hold this offer for 180 days for acceptance.** I/We shall be bound by a communication of Acceptance dispatched within the prescribed time and also execute agreement required in this regard.

2. I/We have understood the Instructions to Tenderers and General Conditions of Contract governing such contracts placed by Indian Council of Agricultural Research and its Research Institutes and the Special Conditions of Contract, and have thoroughly examined the details indicated in the Schedule to Tender thereof and am/are fully aware of the goods and/or services required and my/our offer to supply/provide the goods and/or services strictly is in accordance with the requirements.

3. D.D.No. \_\_\_\_\_ Dt. \_\_\_\_\_ for Rs. \_\_\_\_\_ (in words) Rupees  
\_\_\_\_\_ only) drawn on (Bank)  
\_\_\_\_\_ is enclosed towards Earnest Money Deposit.

The following pages have been added to and form part of this tender.

Yours faithfully,

Signature of the Witness

Signature: \_\_\_\_\_

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

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

Address: \_\_\_\_\_

Address : \_\_\_\_\_

## **SCHEDULE OF REQUIREMENTS & FULL TECHNICAL SPECIFICATIONS WITH COMPLIANCE** (Should be submitted duly printed on the letterhead of the bidder separately for item and option)

### **Item: Protein Separation Systems and Characterization Facility Including 2D-Electrophoresis gel Imaging and Documentation with Necessary Software and all Accessories**

#### **Technical Specifications**

##### **1D Isoelectric focusing system**

1. Strip based (around 18 cm) isoelectric focusing system with Power supply (10,000 V with 1 V increments).
2. The platform should have Precision temperature control with operating range option between 10-25  $\pm 1^{\circ}\text{C}$
3. Running platform should have a provision to accommodate and run multiple samples separately programmable for high throughput results.
4. Necessary accessories for strip rehydration/equilibration and focusing.

##### **2D Electrophoresis system**

1. The set up should be compatible with both precast and hand cast gels.
2. Should accommodate approximately 18cm IPG strips
3. It should include gel clamps spacers, 2D combs, gaskets and glass plates for 1mm thick gels.
4. Same system should be able to run SDS gels and for high resolution vertical agarose electrophoresis of nucleic acid
5. System should have provision to run two gels of Approx.18x18cm size simultaneously.

##### **Power Supply**

1. Voltage:10-500V
2. Current:0.01-2.5A
3. Power:1-500W
4. Output should be either constant voltage, constant current and constant power.
5. Should store multiple methods each with multiple steps
6. Should have automatic recovery after power failure.
7. Provision to run multiple systems in parallel.

##### **Gel Documentation system**

1. Gel Documentation system should include camera, Darkroom, UV transilluminator, epi-white illumination, cables and Image Lab Analysis software.
2. System should support wide range of applications like nucleic acid detection, densitometry, 1-D, 2-D, gels, Western blotting, dot blotting, films, colony counting applications. etc.
3. Should have true 12 bit CCD camera with image resolution greater than 4 megapixels.
4. Pixel size:4.65 x 4.65  $\mu\text{m}$  or larger
5. Image acquisition with automatic focus and iris adjustments at any zoom level.
6. Large & stand-alone trans-illuminator area of minimum 25 x 25cm.
7. Should come with image analysis software for lane based analysis and band detection, densitometry, colony counting, dot blotting, 1D and 2D analysis software. Necessary permissions for hassle free use of software.
8. Automatic generation of customizable reports
9. Complete flexibility with automatic and manual detection of lanes and bands, using several algorithms.
10. Easy copy/paste functionality, crop, zoom, 3D viewer, and colors.
11. User specified publishing resolution (dpi) and publishing with a one-click image export.
12. Mac and PC compatible software.

##### **Accessories**

13. PC with 1TB ROM, 16 GB DDR 4 RAM, i7 processor with preloaded windows 10-64 bit should be supplied to support the gel documentation system. Laser printer and 0.5 KVA UPS.
14. Certificate from atleast three satisfied users from reputed R & D institutions along with current list of users.
15. Installation, demo of the facility and minimum training of staff for hassle free usage and warranty.

##### **Note :**

Signature and Seal of the Bidder: \_\_\_\_\_  
Business Address: \_\_\_\_\_