



# भारतानुष केन्द्रीय बारानीकृषि अनुसन्धासंस्थान

ICAR – Central Research Institute for Dryland Agriculture

संतोषनगरसैदाबादपोस्ट हैदराबाद ५०००५९ Santoshnagar, Saidabad P.O. Hyderabad 500 059

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F. No: 2-1/(27)/2018-19/EFC3/SP

Date:10-09-2018

## Tender Enquiry for "Supply Microwave Digestion System" under two bid system.

On behalf of the Director, ICAR-CRIDA invites **ONLINE** Tenders under Two Bid System (Technical and Financial separately) for **Supply Microwave Digestion System**.

Sl.No.	Name of the Item and specification	Qty
1	<b>Microwave Digestion System</b> (Refer column 4 for technical specifications)	1 No.

### TERMS & CONDITIONS

- Submission:** Only bids received on e-procurement portal will be considered for opening. Bids in any physical form sent through fax/email/courier/post/delivered personally will not be considered.
- Download of Tender Document:** Tender Document with full details can be downloaded from CRIDA Website (<http://www.icar-crida.res.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 Bid Security along with the Technical and financial Bids (BOQ).
- Tender ID:** Shall be notified on the website (<http://www.icar-crida.res.in/>)
- Suppliers who desire to participate in such tenders in future may bring it to the notice of Procuring Entity and may register in CPPP through DSC
- The bidders should have a valid registration of the firm with GOI/any state govt.
- This institute will not be responsible for any delay in enrollment or submission of the offer/uploading the offer on above mentioned e-procurement portal for any reason whatsoever. Hence vendors are advised to register in the e-procurement website <https://eprocure.gov.in> & enroll their Digital Signature Certificate (Class – II or above) and upload their quotations well in advance to avoid last minute problems.
- Bid Security:** Bid Security (**also known as Earnest Money**) is to be deposited by all the bidders except Micro and Small Enterprises (MSEs) as defined in MSE Procurement Policy issued by Department of Micro, Small and Medium Enterprises (MSME) or registered with the Central Purchase Organization or the concerned Ministry or Department. The bidders should furnish bid security of **Rs 18,000/- (Rupees Eighteen thousand only)** along with their bids. The bid security will be accepted in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's cheque or Bank Guarantee from any of the Commercial Banks or payment online in an acceptable form. The bid security is normally to remain valid for a period of forty-five days beyond the final bid validity period. Bid securities of the unsuccessful bidders shall be returned. EMD should reach this office on or before Tender closing date and time
- Performance Security:** The successful bidder is required to pay an amount equal to 10% of successful bid amount towards performance security deposit and the same will be released within one month from the date of expiry all contractual Obligations. No interest shall be paid on such Performance security deposit. Performance Security should remain valid for a period of sixty days beyond the date of completion of all contractual obligations. The Performance Security Deposit should be in the form of Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks or payment online in an acceptable form and on which no interest will be paid.
- Delivery Schedule:** Unless otherwise specified, 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.

10. **Payment:** No advance payment is permissible. Payment will be made only after supply of equipment" is accepted by the indenter after successful, installation and commissioning of the equipment. Our normal payment terms are within 30 (thirty) days on receipt and acceptance of material at our site in good condition.
11. **Place of delivery:** Supply is to be done at Central Research Institute of Dry Land Agriculture, Hyderabad, Telangana.
12. **Installation:** Installation is to be done at Central Research Institute of Dry Land Agriculture, Hyderabad, Telangana.
13. **Shipment:** Supply is to be made securely packed at supplier's risk and transportation.
14. Attested copies of Document regarding registration /Certificate of incorporation of the firm issued by the appropriate government to be enclosed.
15. This Institute is exempted from payment of Customs charges Vide Govt.of India, Ministry of Science and Technology, Deptt.of Scientific and Industrial Research, vide Letter No. **TU/V/RG-CDE(372)/2016, dated 18-10-2016 (Valid upto 31-08-2021).**
16. Manufacturer's name and country of origin of materials offered must be clearly specified. Please quote whether your organization is large scale industry or small scale industry. If you have NSIC/MSME/MSI/DGS&D Certificate, please attach it to the quotation. Mention your registration details.
17. Make/brand of the item shall be stated wherever applicable. If you have got any counter offer as suitable to the material required by us, the same may be shown separately. Rates quoted should not higher than the rates quoted for the same item to any Government/Undertaking
18. All supplies are subject to inspection and approval before acceptance. Manufacturer/ supplier warranty certificates and manufacturer/Government approved lab test certificate shall be furnished along with the supply, wherever applicable.
19. The Director of the institute reserves the right to modify the quantity specified in this enquiry. The prices quoted should be firm till the supplies are completed. Please quote the rates in words and figures. Rates quoted should be inclusive of all transportation, installation and commissioning of the supply. Prices quoted for free delivery at destination will be given preference. If there is no indication regarding the FOR, in the quotation, then it will be considered as FOR destinations. Price quoted should be net and valid for a minimum period of **three months** from the date of opening of the quotation.
20. No part supply is accepted. Guarantee/Warranty/Expiry period should clearly indicated
21. Payment of GST is primarily the responsibility of the seller and will not be paid unless the percentage value is clearly mentioned in the quotations. If no indication regarding CGST/SGST is recorded in the quotation, the CGST/SGST will be considered as included
22. Delivery period required for supplying the material should be invariably specified in the quotation. Technical specification should be clearly indicated.
23. **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.
24. **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.
25. **Service support and warranty:** The warranty requirement for this equipment shall be minimum of 12 months from date of satisfactory installation and commissioning. In the event of the equipment requiring any rectifications, the warranty will start from date of successful rectification.

26. If the deliveries are not maintained and due to that account Procuring Entity is forced to buy the material at your risk and cost from elsewhere, the loss or damage that may be sustained there by will be recovered from the defaulting supplier
27. In case your quotation is accepted and order is placed on you, the supply against the order should be made completely within the period stipulated in the order. The Government of India reserves the right to recover any loss sustained due to delayed delivery by way of penalty. Failure to supply the material within the stipulated period shall entitle Procuring Entity for the imposition of penalty without assigning any reasons @ 1/2% (half percent) of the total value of the item covered in order as penalty per day subject to a maximum of 5% (five percent) unless extension is obtained in writing from the office on valid ground before expiry of delivery period.
28. **Dispute clause:** Any dispute relating to the enquiry shall be subject to the jurisdiction of the court at Hyderabad only
29. 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.
30. Quotation which does not conform to the above terms and conditions will not be considered. The Director, Central Research Institute for Dry land Agriculture, reserves the right to accept or reject any or all quotations without assigning any reasons thereof

Yours Sincerely

(Saurabh Meena)  
Stores and Purchase Officer

### 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.	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.	Bid Security : BID SECURITY should be drawn on any Commercial bank as indicated in the notice inviting tenders in favour of "ICAR UNIT – CRIDA A/c" BID SECURITY D.D.No. _____ Dated: _____ for Rs. _____ ; Bank _____		
3.	Following documents as indicated in the tender document printed on the tenderer's letterhead with date signature and seal.		
4	Tender Form		
*5	Statement on Compliance of the Technical Specifications of equipment and technical literature of the product and purchase quote to be enclosed.		
6	The entire original tender document with seal and signature on each page at the time of submission of tender document(s) within the due date.		
7	Document showing the firm/company's turnover per annum for the preceding two financial years i.e. 2016-17 & 2017-18 certified by the Chartered Accountant		
8	Attested copies of past three years experience OEM for authorized sales /service "Microwave Digestion System"		
*9	Attested copies of Document regarding registration /Certificate of incorporation of the firm issued by the appropriate government to be enclosed.		
*10	Certificates of registration for GST issued by appropriate Government for the required services with the seal of the tenderer to be enclosed.		
11	The firm should submit Income Tax returns of previous 3 financial years i.e., 2015-16, 2016-17 & 2017-18 along with the tender document.		
*12	NSIC/SSI certificates registered with NSIC (if applicable) to be enclosed		
13	Any other document or information as required in the tender document.		
	Total pages of your entire Tender Document including Enclosures	No.of Total Pages : _____	

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: \_\_\_\_\_

\_\_\_\_\_

### 3. TENDER FORM

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

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

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

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

\_\_\_\_\_

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

PIN \_\_\_\_\_

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 here to 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 90 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 Tenderer 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 Bid Security.

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

Yours faithfully,

Signature of the Witness

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

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

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

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

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

#### **4. SCHEDULE OF REQUIREMENTS & FULL TECHNICAL SPECIFICATIONS WITH COMPLIANCE**

*(Should be submitted duly printed on the letterhead of the bidder separately for each item and option)*

##### **TECHNICAL SPECIFICATIONS – “Microwave Digestion System”**

###### **Main equipment:**

- 1 Microwave Digestion systems (MDS) having provision to digest different samples of plant, food products (such as grains, fruits, vegetables, meat, milk and other) soil, sediments, sewage, rocks, minerals, wood, fly ash etc, using microwave based pressure digestion principle for quantitative analysis for inorganic constituents using very high quality pressure vessels resistant to different acid matrix including HNO<sub>3</sub>, HCl, H<sub>2</sub>O<sub>2</sub>, HF, H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub> etc.
- 2 The digestion system should have minimum power of 700W for complete digestion of the hardest samples in the shortest possible time.
- 3 There should be a provision for temperature programming for direct temperature control in real time, with provision to measure the actual sample temperature.
- 4 Should have provision to handle at least 10-15 samples in one cycle at a time in one go. The digester system should be able to operate with pressure vessels of volume of minimum of 50 ml , maintaining at maximum temperature to the level of 250 °C or higher with appropriate compatible pressure to ensure complete and smooth digestion of the samples in the least possible time.3
- 5 As per requirement, there should be a provision to digest the soil / plant samples amount varying from 0.5 -2.0 g or superior.
- 6 Complete set for tightening of the pressure vessels and closure must be provided/quoted
- 7 The instrument should have self contained mechanism / system for vessel cooling in side to save time and to ensure safe handling
- 8 Should be compatible to Indian voltage system
- 9 Should be made up of high quality corrosion resistant material for continuous long term use, capable of providing smooth and uniform distribution of microwaves.
- 10 Should have strong durable and sensitive sensors for effective sensing of control of temperatures and pressures.
- 11 If available, preferably, the device should have some important pre-loaded programmes for analyzing samples under variable and diverse digestion conditions and the software should also have provision of adding adequate numbers of additional programmes, as and when required.
- 12 In order to ensure safety, high quality of the pressure vessels is must, hence each vessel should have been tested with reliability. If available, the certificate for the same may be enclosed.
- 13 Also quote for one complete extra set of digestion vessels as an optional item.
- 14 Only the Firms who have adequate infrastructure for service and repair and man power need to quote. If required, the Firm should be ready to demonstrate the unit at Hyderabad or any other nearest location before final order of purchase.
- 15 Quote along with minimum one year warranty, user list, all manuals, Stabilizer required, if any etc., and all other accessories required to install, demonstrate and run the unit satisfactorily. The product should conform to all the safety standards/requirements.