



# भारतानुष केन्द्रीय बारानीकृषि अनुसन्धासंस्थान

ICAR - Central Research Institute for Dryland Agriculture

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

040-24530161, 24530224 Fax: 040-24531802 <http://www.icar-crida.res.in/> Email : [store.crida@icar.gov.in](mailto:store.crida@icar.gov.in)



F. No: 2-1/(20)/2018-19/SP

Date:12-11-2018

## Tender Enquiry for "Services for Microbial Consortia for Drought Tolerance in Rainfed Crops".

On behalf of the Director, ICAR-CRIDA invites **ONLINE** Tenders under Single Bid System for **Services for Microbial Consortia for Drought Tolerance in Rainfed Crops**.

Sl.No.	Name of the Item and specification
1	<b>Services for Microbial Consortia for Drought Tolerance in Rainfed Crops</b> (Refer column 4 for technical specifications)

### 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 Bids.
- Tender ID:** Shall be notified on the website (<http://www.icar-crida.res.in>)
- Suppliers/service providers 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.5000/- (Rupees Five 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
- Delivery Schedule:** Unless otherwise specified, No 'part supply/service' is allowed.
- Payment:** No advance payment is permissible. Payment will be made only after completion of the service" is accepted by the indenter. Our normal payment terms are within 30 (thirty) days on receipt and acceptance of material at our site in good condition.
- Place of Service:** The service is to be done at Central Research Institute of Dry Land Agriculture, Hyderabad, Telangana.
- Attested copies of **Document regarding registration /Certificate of incorporation of the firm** issued by the appropriate government to be enclosed.

12. 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).**
13. The service provider company name and the name of the service 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.
14. All service providers 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.
15. 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 and any other charges. 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.
16. No part supply/service is accepted. Guarantee/Warranty/Expiry period should clearly indicated
17. 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
18. **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.
19. **Specifications:** Full specifications of the item/service 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.
20. 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
21. In case your quotation is accepted and order is placed on you, the supply/service 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.
22. **Dispute clause:** Any dispute relating to the enquiry shall be subject to the jurisdiction of the court at Hyderabad only
23. 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.
24. 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	Tender Form		
4	Statement on Compliance of the Technical Specifications of item.		
5	Attested copies of Document regarding registration /Certificate of incorporation of the firm issued by the appropriate government to be enclosed.		
6	Certificates of registration for GST issued by appropriate Government for the required services with the seal of the tenderer to be enclosed.		
7	NSIC/SSI certificates registered with NSIC (if applicable) to be enclosed		
8	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 – “Services for Microbial Consortia for Drought Tolerance in Rainfed Crops”**

Title: 16S rRNA based metagenomic s- NGS sequencing specifications

DNA extraction from soil samples, quantification, quality check through agarose gel electrophoresis, nanodrop and Qubit, amplification of 16S rRNA gene V3-V4 region using specific primers, amplicon library construction, quality check and NGS sequencing using preferably MiSeq or equivalent platform, around 2 x 300bp, with approx. 2,00,000 reads per sample. Sequence analysis: Quality filtration of data, OTU clustering, OTU table, QIIME, analysis, Taxa identification, relative abundance and identification of microbial community displayed by phylum, class and families, pie charts for each taxonomic class, taxonomy dendrogram, comparative analysis, mean OTU abundance plot displaying the patterns of abundance between samples. Proportion of OTUs that are differentially abundant between samples. Rarefaction curve and alpha diversities of microbes between samples. Beta diversity, constrained principal coordinate analysis of OTUs between samples, heat map and Krona plot.

Number of samples:18