



# भारतानुप-केन् बारानीकृषि अनुसन्धासंस्थान

ICAR - Central Research Institute for Dryland Agriculture

संतोषनगर, सादबादपोस्ट, हैदराबाद ५०० ०५९ 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/(31)/2018-19/NICRA-SFC/SP

Date:14-11-2018

## Tender Enquiry for "Supply of Inductively Coupled Plasma Spectrophotometer- Optical emission Spectroscopic (ICP-OES)".

On behalf of the Director, ICAR-CRIDA invites **Online** Tenders under Two Bid System (Technical and Financial separately) for **Supply Inductively Coupled Plasma Spectrophotometer- Optical emission Spectroscopic (ICP-OES)**.

Sl.No.	Name of the Item and specification	Qty
1	<b>Inductively Coupled Plasma Spectrophotometer- Optical emission Spectroscopic (ICP-OES)</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. 125000/-** along with their bids. The bid security will be accepted in the form of Demand Draft, Fixed Deposit Receipt, Banker's cheque. 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. **Original EMD must be delivered to CRIDA on or before last date /time of bid submission without which the bids will not be considered.**
- 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.

9. **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.
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 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.
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
31. The firm should give the complete information in technical bid whether the quoted amount in financial bid includes optional items are not.

Yours Sincerely

(Saurabh Meena)  
Stores and Purchase Officer

### **CHECK LIST**

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 REQUIRED TO BE ENCLOSED WITH THE  
TENDER DOCUMENT AS A PROOF**

<b>S.No.</b>	<b>List of the Documents to be enclosed with the Tender</b>	<b>Page No.</b>	<b>Needs to be enclosed (Yes/No)</b>
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 copy		
3.	Name of the firm, Full address with Post Box No. and Telephone No. if any:		
4	Tender Form		
5	Compliance of the Technical Specifications of equipment and technical literature of the product		
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 <b>last two</b> financial years certified by the Chartered Accountant		
8	Attested copies of <b>past three years</b> experience OEM for authorized sales /service "Inductively Coupled Plasma Spectrophotometer-Optical emission Spectroscopic (ICP-OES)"		
9	Attested copies of Document regarding registration /Certificate of incorporation of the firm issued by the appropriate government to be enclosed.		
10	Certificates of GST of the firm issued by appropriate Government		
11	The firm should submit Income Tax returns of <b>last 3 financial years</b> i.e.,		
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: \_\_\_\_\_

\_\_\_\_\_

**Tender Acceptance Letter**  
**(To be filled by bidder on firm/Company Letter Head)**

To  
The Director  
Central Research Institute for Dry Land Agriculture

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: \_\_\_\_\_

Name of Tender/Work:

Dear Sir,

1. I/ We have downloaded / obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely: \_\_\_\_\_ as per your advertisement, given in the above mentioned website(s).
2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. \_\_\_\_\_ to \_\_\_\_\_ (including all documents like annexure(s), schedule(s), etc.), which will form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organizations related to this tender too have also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our firm/company has not been blacklisted /debarred by any Govt. Department/Public Sector undertaking.
6. I / We certify that all information furnished by the our firm/company is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,  
(Signature of the Bidder, with Official Seal)

## **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 – “Inductively Coupled Plasma Spectrophotometer-Optical emission Spectroscopic (ICP-OES)”**

#### **Main equipment:**

1. One number of ICP-OES, a complete/Fully Simultaneous System in all aspects (Background correction, Analysis and Internal standards) with Polychromator with all the essential components is required to analyse wide range of elements (P, K, Na, Ca, Mg, S, Fe, Mn, Zn, Cu, B, Molybdenum, Cd, Ni, Hg, Cr, Pb, Al, Se, Ba, Co, Si, V and other elements) with concentration varying from percent, ppm to ppb using duo mode- Radial and Axial mechanism, in soil, water, plants, rocks, minerals, sediments, sewage and sludge, organic manures, fertilizers and different food materials, with higher flexibility and associated sensitivity.
2. Quote along with Hydride generator assembly and HF- Kit to facilitate the analysis of HF digested samples without corrosion of the system.
3. With Wider Spectral range, and should be able to analyze samples between 160/165-850/900 nm spectral range with resolution of 0.07 nm or better.
4. Should have capability and higher efficiency to use minimum level of Argon gas for plasma generation and purging etc., to reduce the cost of analysis.
5. Should have state of the art /Latest generation Detectors which should be able to detect sample signals and able to do background correction simultaneously for better precision.
6. The system should have latest generation RF generator of appropriate high frequency (27 MHz or higher) with highest power efficiency.
7. There should be appropriate provision of automatic cooling of the system preferably using state of the art technology or cooling through high standard water circulation system.
8. The plasma ignition and regulation should be automatically controlled with software using computer as desired by the analyser and there should be a provision of safety inter locks to protect the equipment from any un-foreseen damages.
9. The other components of the systems such as torch, gas flow tubing, spray chambers nebulizers peristaltic pump etc. should be compatible and of high quality.
10. Also quote for 2 No's of Argon cylinders of standard make including two stages regulator with necessary test certificates from Govt. of India authorized departments indicating their high quality and fitness, from authorized explosive departments.
11. The ICP System should be fully software operated
12. Also quote for high quality exhaust system assembly and its fixation, as an essential item.
13. The original CD's/DVD's of instrument software, catalogues, application manuals, service manuals, warranty cards should be provided along with the instrument.
14. Quote along with necessary warranty, user list, ISO certificates etc..
15. Also quote for 20 KVA UPS along with required batteries.

16. Also quote for PC with the given specifications : 22 inch LED monitor, 8 GB RAM, i7 processor, 2TB hard disk drive, DVD writer 2 GB Graphics etc, with original compatible operating system. Also quote for latest model of all in one laser jet black and white printer with both side automatic printing facility.
17. Also essentially quote for suitable high quality large size elegant table having adequate surface/space for placing ICP, placing samples and placing of attached computer and placing printer system in the lab.
18. The Firms must quote the state of the art model/version of the equipment (ICP-OES) and not the obsolete models, for which there should be adequate service and repair support including accessories for 2 years to come. The Firms must furnish a certificate that ICP system quoted by them is Fully Simultaneous at all levels (Background Correction, Analysis, Internal standards etc.)
19. The firms having good service and repair infrastructure and adequate number of trained engineers in India only need to quote.
20. The supplier company needs to arrange onsite training to the technical officers/scientists for effective and safe use of the equipment.
21. All other essential accessories and spares required for successful installation, demonstration and running of the equipment must be supplied.