



भाकृअनुप - केन्द्रीय बारानी कृषि अनुसन्धान संस्थान

ICAR – Central Research Institute for Dryland Agriculture संतोषनगर, सैदाबाद-पोस्ट

हेदराबाद ५०००५९ Santoshnagar, Saidabad P.O. Hyderabad ५०० ०५९ 040-24530161,24530163,24530224

Fax:040-24531802 www.crida.in Email : stores@crida.in



NOTICE INVITING TENDERS

F.No. 9-1/(63)/NICRA/2016/ST

Dated :10th December, 2016

Tender Enquiry For Supply, Installation and Commissioning of "Automated Rainout Shelter Facility" at CRIDA :-

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 tenders for Supply, Installation and commissioning of "Automated Rainout Shelter Facility" at CRIDA in two bid system (technical bid and financial bid) from the eligible bidders/reputed manufacturers/ authorized dealers/suppliers.

GENERAL TERMS & CONDITIONS

- 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.
- 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** along with the Technical Bids. A video link has been uploaded on the CRIDA website to have brief understanding about the facility may also be viewed if required so.
- 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 (technical bid) 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 supply the equipment after issue of supply order. 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.

Description of Item (Please see specifications at page Nos. 6-7)	Tender cost Rs.	EMD (Rs.)
Automated Rainout Shelter Facility at CRIDA	1000/- If downloaded from website 1100/- If required by post.	1,00,000/-

- Technical Bid & Financial Bid :** The bidders should submit the bids consists of all technical specifications/details as well as item wise financial cost for the items quoted along with commercial terms and conditions. The original copy of tender should be sent to this Office in a sealed cover in a double envelope. The inner envelope should also be sealed. The outer cover should be super scribed **Tender for "Automated Rainout Shelter Facility" at CRIDA**. The tenderer must place the two sealed envelopes clearly marked **'TECHNICAL BID'** and **'FINANCIAL BID'** by indicating the Draft number, date & amount of EMD on the envelop of 'TECHNICAL BID', failing which the tender will not be opened. **Financial Bid to indicate a warning "DO NOT OPEN WITH THE TECHNICAL BID"**.
- 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.
- Important Dates:**

1.	Start date of down loading the Tender Document	10-12-2016	11:00 hrs
2.	Last date for down loading of Tender Document or any addendum / corrigendum	07-01-2017	14:00hrs

3.	Last date and time for submission of Tenders	07-01-2017	14:00 hrs
4.	Date and Time for opening of Technical Bids	07-01-2017	15:00 hrs

- 6 **Submission:** Tender with proper superscription on the cover as "**Automated Rainout Shelter Facility**" at **CRIDA**" 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 **Delivery Schedule:** Unless otherwise specified, **Supply, Installation and Commissioning of "Automated Rainout Shelter Facility " at CRIDA 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.
- 8 **Payment:** No advance payment is permissible. Payment will be made only after supply, installation and commissioning of the facility is accepted by the technical committee after successful functioning of the facility for one experimental period in a couple of weeks with due certification of the concerned in-charges.
- 9 **Place of Delivery / Installation:** Stores and Purchase Officer,. Supply and Installation is to be done at Hayathnagar Research Farm, Central Research Institute for Dryland Agriculture, Hyderabad, Telangana
- 10 **Liquidate Damage:** if you are failed to Supply, Installation and Commissioning of "Automated Rainout Shelter Facility" and all or any of the goods or to perform the services with in the delivery period specified above, a sum equivalent to **0.5%** of the contract price per week or part thereof off delay until actual delivery or performance shall be deducted from the bill up to a maximum deduction of **10%** of the contract price. Once the maximum is reached, we may consider termination of the contract.
- 11 **Bank details for e-payment:** The bank details may be furnished along with tender for making e-payment to the successful bidder.
- 12 **Period of Validity:** The rates quoted shall be valid for a minimum period of **180 days** beyond the date of opening of tenders.
- 13 **Rates:** Rates should be quoted in the prescribed Price Schedule in Indian Rupees only.
- 14 **Specifications:** Full specifications of the item including design & approved drawings, detailed component specifications and bill of material, installation, operation and maintenance manuals supply shall also be indicated in the quoted 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.
- 15 **Experience:** 5 years experience in design, supply, installation and commissioning of State of the Art Agriculture Research Facilities in India
- 16 **Certification :** The entire facility supplied installed and commissioned shall have to be certified with concerned certifying authorities for civil work, Electrical Operation, safety and other included components if any.
- 17 **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.
- 18 While submitting the tender document, the brochures/ catalogues etc. must be invariably enclosed with technical bid.
- 19 **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)/2016, dated 18-10-2016.**
- 20 **Service Support and Warranty:** The Warranty requirement for the equipments 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.
- 21 **Comprehensive Maintenance Contract:** On the expiry of warranty period, the Automated Rainout Shelter Facility system will be considered for Comprehensive Maintenance Contract (CMC) with the supplier for the next Two years. The CMC rates should be quoted year-wise separately, i.e. for the second and third year after warranty period. The right to enter into CMC lies with Director, CRIDA. The cost of CMC shall form part of the total bid amount . The CMC shall cover all liabilities to keep the equipments in satisfactory working condition, including consumables, cleaning/painting/ replacement of sensors etc.
- 22 **Enquiry's on tender:** Any enquiry's regarding the tenders will not be entertained once the tenders are opened.
- 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 **Quantities:** Director, CRIDA reserves the right to reduce or increase the quantity at the time of placing the Purchase Order.
- 25 **Decision:** The Decision of the Director, CRIDA on any dispute in the matter will be final and legally binding.

Tender Enquiry for Supply, Installation and Commissioning of "Automated Rainout Shelter Facility" at CRIDA
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- 26 Jurisdiction:** All disputes including court proceedings shall be settled within the Hyderabad jurisdiction only.
- 27 IMPORTANT NOTE:** The bidder should submit the Technical & Financial bid including specifications/details along with item wise price mentioned in the Technical bid. The Technical bid must be accompanied with earnest money deposit in the form of Demand Draft. In any case the technical bid without EMD/Demand Draft will not be entertained. The bid should be sealed properly by the bidder and duly super scribed and submit to the above office at the date and time specified above.
- 28 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, Installation and Commissioning of "Automated Rainout Shelter Facility" is F.O.R at CRIDA Hayathnagar Research Farm, Vijayawada Road, Hyderabad
 - 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.
 - e. The bidders/representatives who are going to attend the technical bid/financial bid opening may invariably bring authorization letter issued by the respective company/ firm for the purpose.

(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.	Cost of Tender Schedule: 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 (http://www.crida.in/) or the Government of India, Central Public Procurement Portal (http://www.eprocure.gov.in)		
2.	Earnest Money Deposit: EMD should be drawn on any Commercial bank as indicated in the notice inviting tenders in favour of "ICAR UNIT - CRIDA A/c" EMD 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.		
3 (a)	Tender Form		
3 (b)	Statement on Compliance of the Technical Specifications with deviations, if any and technical literature of the product to be enclosed;		
3 (c)	Technical Bid		
3 (d)	Financial Bid		
3(e)	The entire original tender document with seal and signature on each page at the time of submission of tender document(s) with in the due date.		
4	Document showing the firm/company's turnover be Rupees Two Crores per annum for the preceding two financial years i.e. 2014-15 & 2015-16 certified by the Chartered Accountant		
5	Document regarding registration /Certificate of incorporation of the firm issued by the appropriate government to be enclosed.		
6	Certificates of registration for Sales Tax / VAT issued by appropriate Government for the required services with the seal of the tenderer to be enclosed.		
7	The firm should submit Income Tax returns of previous 3 financial years i.e., 2013-14, 2014-15 & 2015-16 along with the tender document.		
8.	NSIC/SSI certificates registered with NSIC (if applicable) to be enclosed		
9.	Any other document or information as required in the tender document.		
10.	Total pages of your entire Tender Document (Technical Bid) 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 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 each item and option)

TECHNICAL SPECIFICATIONS - AUTOMATED RAINOUT SHELTER FACILITY

Automated Rainout Shelter facility:

Rain out Shelter of 900 Sq. m. area (450sq. m covered planted area and 450 sq. m hanger area). The roof and sides shall be covered with 8 mm thick triple walled Polycarbonate sheet. The sheet fixed shall have provision of 100% leak proof arrangement against entry of rain water.

Structure model: Motorized movable model with a total Area: 900Sq.m. Suitable for withstanding wind load of 170-180 Kmph wind load. Frame work of suitable sized trusses, column purling vertical supports, appropriately fabricated for withstanding structural design loading. A stress-strain validated design with full material specifications and design calculation for meeting the structural requirement shall have to be furnished to CRIDA for approval before start of turnkey work of the facility at site.

Structure size/ growing area: Net sown area / structure is 450 Sq.m (30m x 15m)

Height at center: 14 ft

Height at sides: 8 ft.

Shape: Dome/skylight

Total Track length: 30m + 30m

Railing: The structure will race on parallel rail. Rail should be made of high quality rust free steel rail or high quality rust free GI iron channel (ISI standard) which can meet requirement of wind speed.

Civil work for railing system: A masonry stone/brick wall of up to 1.5 feet above ground and 3.0 feet below ground level, (width is 9") with both sides cement plastered running all round the structure. A suitable RCC foundation and RCC beams (Reinforced cement concrete 1:2:4) shall be designed and constructed to house the rail structure for movement of rainout shelter facility 45cm above the ground level. Foundation rail pillars should be 1.5m deep from surface.

Cladding structure and materials: Complete roof structure and pillars made of corrosive, humidity resistant ISI standard GI pipe. Top covered with 8mm thick U.V. stabilized polycarbonate sheet with 80% light transmission: The poly carbonate sheet shall have multi wall (triple walled) impact resistant, hail resistant, certified to DIN EN ISO-9001 and 14001 with 10 years guarantee light transmission. The poly carbonate sheets fixed with aluminum strip with gasket, all edges/joints should be blocked with silicon sealant to avoid leakages. The sheet on sides should be fixed in manner to escape the rains from sides. The front and back of the structure should be rollable.

Drainage channel: Drainage channel (15cm x 15 cm) should be made along the foundation wall to avoid the rain water off the experimental area leaving 1 m and duly plastered on cement and brick work.

Electric work: All electric work including switch panel should be fitted as required.

Driven Mechanism: The structure should be equipped with rain sensors for automatic movement. The speed for movement should be controlled. The movement should be by power operated geared electric motor with facilitation of electric/electronic panel facility. Rain sensor must be reliable with 5 year warranty and hassle free operation. The motor gear lock system should be detachable to allow manual electric movement. In case of power failure a suitable capacity stand by DG set is also to be installed.

Automatic Motorized Rolling mechanism: Motorized rolling mechanism on wheels on rails with arrangements for easy movement, quick locking and unlocking, latches and safety measurements while operating. Housing of the motor and other electrical components in rain protected box/shade for longer operation. The complete motorized rolling mechanism including control panel motor drive etc. shall have a redundant control and backup drive system so that moving facility shall keep working with standby arrangement even after failure of primary drive mechanism.

Safety system: Accidental backup in case of motor failure, automatic timing control system for upward & downward movement, changeover arrangement, cutoff device in case of wrong movement, locking and unlocking with gear system etc.

Rolling wheels: Steel wheels/nylon wheels with high stress bearing (Taper roller bearing/ Ball bearing with proper lubrication system).

Light Sensor with data logger this technology advancement makes rainout shelter aware of their environment, the rainout shelter with rain sensor system with an unrivalled set of automation procedures.

Power Back up: The Rainout shelter drive and control mechanism shall be fed from three phase 415 Volts 50Hz online UPS of required rating with minimum 30 minutes battery back up on full load. Additionally a 10KVA Echo green DG set for power backup is also to be installed.

Tender Enquiry for Supply, Installation and Commissioning of "Automated Rainout Shelter Facility" at CRIDA
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Warranty: Post Installation onsite warranty for one year. AMC rates are also to be quoted along with financial bid for three years.

Conditions: All units complete in all respects as indented above should be installed at the identified site at **ICAR CRIDA HRF**. The structure will be equipped with all the necessary facilities on turnkey basis. The firm will also be expected to undertake complete maintenance during warranty period.

To be eligible for consideration the firm should have:

1. The firm must have the ISO 9001:2014 certification
2. Civil & structural drawing shall be attached with tender.
3. Organization shall submit the details of motorized mechanism/sensors/ with Make/ Brand.
4. Capacity of the firm to execute the task would be ascertained on the basis of their executed projects of similar nature.
5. Certificate of minimum 10 years experience in the field and also the list of institutes/organizations where such facilities have been established.
6. The turnover in the construction of green house (two crore) and audited financial report of last three years (2012-13 to 2014-15) must be enclosed.

Note: The photographs of different models fixed at various institutes with authenticated proof may be submitted.

* However, the tenderer needs to give his structure complete components specifications and approximate quantity usable.

Note :

Signature and Seal of the Bidder: _____

Business Address: _____

SCHEDULE – I**PART – I**

1. Name of the Firm/Agency
2. Full address with Post Box No.
And Telephone No. if any
3. Constitution of the Firm/
Agency (Attached copy)
 - a) Indian Companies Act, 1956
 - b) Indian Partnership Act, 1932
(Please give names of partners)
 - c) Any other Act, if not, the owners
4.
 - i) For Partnership firms whether registered under the Indian Partnership Act, 1932, please state further whether by the partnership agreement to arbitration has been conferred on the partner who has signed the Tender.
 - ii) If answer to the above is in negative whether there is any general power of attorney executed by all the partners of the firm authorizing the partner who has signed the Tenders to refer dispute condemning business of the partnership to arbitration.
 - iii) If the answer to above is in point one and two is affirmative please furnish a copy of either the partnership agreement or the general power of attorney as the case may be. The copy should be attested by a Notary Public or its execution would be admitted by affidavit on a properly stamped paper by all partner
5. Name and Full Address of your Banker's
6. Your Permanent Income Tax No./Circle/Ward
7. Date of establishment of the agency/firm/company
8. Whether registered with all concerned Government authorities (EPF/ESI etc.) and having license under Contract Labour (Regulation & Abolition), Act (copies of all certificates of registration to be enclosed)
9. Any other relevant information

PART – II

10. Earnest Money Deposited: Yes/No
(Write draft No./date/issuing bank details)

PART – III

11. Name and Address of the firm's representative and whether the firm would be representing at the opening of the Tenders
12. Name of the Permanent Representative to be visiting CRIDA regarding the contract

Date: _____

Place: _____

AUTHORISED SIGNATORY

Please add supplementary pages to be numbered wherever needed by the Tenderer.

Note :

Signature and Seal of the Bidder: _____
Business Address: _____

(FINANCIAL BID)
(To be enclosed in a separate envelope and sealed)

PRICE SCHEDULE for Schedule – II
(To be filled in by the Tenderer duly printed on their letter head)

Schedule	Description of the goods offered	No.of units	Unit Rate (Rs.)	Amount (Rs.)
Schedule-I	"Automated Rainout Shelter Facility" at CRIDA	1No.		
	Applicable Taxes			
a.	Central Excise Duty / Customs, if any		_____ %	
b.	Service Tax, if any		_____ %	
c.	VAT, if any		_____ %	
Grand Total				

(Shall be submitted by bidder on their letter head)

Gross total cost: Rs. _____ (in figures) Rupees _____
(in words)

We agree to supply the above "**Automated Rainout Shelter Facility**" at **CRIDA**" in accordance with the technical specifications for a total contract price of Rs. (in figures) (Rupees
..... (in words) within the period specified in the Invitation for Quotations.

We also confirm that the warranty as specified in the Schedule of Requirements / Technical Specifications shall apply to the offered goods / equipment.

Signature: _____

Name: _____

Date: _____