

**CENTRAL RESEARCH INSTITUTE FOR  
DRYLAND AGRICULTURE**

(Indian Council of Agricultural Research)

National Initiative on Climate Resilient Agriculture  
(NICRA PROJECT)

**TENDER DOCUMENT**

**Santoshnagar: Hyderabad-500 059**

**☎ # (40) 24530161 / 223 # Fax 91-040-24531802**

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## GOVERNMENT OF INDIA



## CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE

Santoshnagar: Hyderabad-500 059

☎ # (40) 24530161 / 223 # Fax 91-040-24531802

F.No.9-1/(6)/ST-NICRA

Date:: 31-01-2011

**INVITATION FOR BIDS (IFB)**

Under the National Initiative on Climate Resilient Agriculture (NICRA Project), sanctioned by the Govt. of India, sealed bids / tenders are invited from eligible bidders/ Tenderers viz., manufacturers/authorized dealers/stockist, in two envelope system i.e., Technical Bid and Financial Bid as listed below.

**Name of the Equipment(s):****1) Automatic Weather Stations-100Nos.**

Cost of Tender / Bid Document: Rs.1,000 /- (Rupees One thousand only) or 25 USD (Non-refundable) through Demand Draft in favor of "ICAR Unit CRIDA A/c." payable at Hyderabad.

Period of sale of Tender/Bid Document: From 31-01-2011 to 01-03-2011 between 10:00 to 14:00 hrs.

Pre bid meeting: 01-03-2011 at 15: 00hrs

Last Date for submission of bid/Sealed Tenders :10-03-2011 by 11:00 hrs.

Technical Bid Opening : 10-03-2011 at 14:00hrs

Commercial bid opening : 11-03-2011 at 14:00hrs

The Bid documents can be downloaded from Website # <http://www.crida.ernet.in> and submitted with tender fee of Rs. 1,000 /- in the form of DD from any nationalized bank/ international bank confirmed by a scheduled commercial bank in India along with bid / tender documents and EMD. For foreign bidders, a DD of US \$ 25 may be enclosed as cost of tender document. If bid documents are required by post an amount of Rs.500/- or US \$ 10 has to be paid additionally. CRIDA will not be responsible for any loss of time during postal transit. EMD at 5% on the quoted value in Indian Rupees / US \$ on the quoted price should be enclosed with the Bid/Tender document in separate cover, otherwise, the bids will not be considered.

**Director**

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## **CHAPTER -I**

### **INSTRUCTIONS TO BIDDERS (ITB)**

#### **A. INTRODUCTION**

##### **1. Source of funds**

1.1 The expenditure to be incurred for this intended purchase will be met from the funds available with the purchaser named in the **Schedule of Requirements**, hereinafter referred to as Director, Central Research Institute for Dryland Agriculture, ICAR, Santoshnagar, Hyderabad – 500 059.

##### **2 Eligible bidders**

2.1 This invitation for bid is open to all suppliers, who fulfill the eligibility criteria as well as the qualification criteria, incorporated in this document

2.2 If the bidder is a **Joint Venture, Consortium, or Association**, all of the parties shall be jointly and severally liable to the Purchaser for the fulfillment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition shall not be altered without the prior consent of the Purchaser.

2.3 A bidder shall not have a conflict of interest. All bidders found to have conflict of interest shall be disqualified. Bidders are or who have been associated, with a firm or any of its affiliates which have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchased under these Bidding Documents; or Submit more than one bid in this bidding process, except for alternative offer permitted under ITB clause, if any. However, this does not limit the participation of subcontractors

##### **3 Cost of bidding**

3.1 The bidder shall bear all costs associated with the preparation and submission of its bid including, drawings, literatures etc., if any. The purchaser will in no case be responsible or liable for any such cost, regardless of the conduct or outcome of the bidding process.

##### **4. Fraud and corruption.**

The bidders, suppliers, and contractors and their sub contractors observe the highest standard of ethics during the procurement and execution of the contracts. Trying to bribe, misrepresentation, attempts to mislead, collusive practices, coercive practices, obstructive practices will amount to corruptive and fraudulent practices. CRIDA will reject a proposal for award if it determines that the bidder recommended for award has, directly or through an agent engaged in corrupt and fraudulent practices.

## **B.THE BIDDING DOCUMENTS**

### **5 Contents of bidding documents**

5.1 The goods and Services required, bidding procedures and contract terms are prescribed in the bidding documents. In addition to the Invitation for Bids, the bidding documents include:

- a) Instruction to Bidders (ITB)
- b) General Conditions of Contract (GCC)
- c) Schedule of Requirements
- d) Technical Specification and Quality Control Requirements
- e) Questionnaire
- f) Bid Form and Price Schedules
- g) Bank Guarantee Form for Bid Security
- h) Manufacturer's Authorization Form
- i) Bank Guarantee Form for Performance Security
- j) Contract Form

**5.2** In case of any contradiction between the stipulations made in ITB and GCC and Schedule of Requirements, the stipulations incorporated in the Schedule of Requirements will prevail over the corresponding stipulations contained in the ITB and I or GCC.

5.3 The bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submission of a bid not substantially responsive to the bidding documents in every respect will be at the bidder's risk and may result in rejection of its bid.

## **C.PREPARATION OF BIDS**

### **6 Language of Bid**

6.1 The bid submitted by the bidder and all correspondences and documents relating to the bid exchanged by the bidder and the purchaser; shall be written in English language only.

#### **Pre-Bid conference**

The bidders or their official representatives are invited to attend a pre-bid meeting, which will take place on 01-03-2011 at 15:00 hrs (IST) at the address mentioned above.

Please note that non-attendance at the pre-bid meeting will not be the cause of disqualification of the bidders. In case the bidder deposes an agent to attend the pre-bid conference, the purchaser will be informed in writing, by the bidders, regarding the appointment of such agent and a copy of the agreement signed between the bidder and the agent (which will include the scope of services provided by which agent and amount payable by the bidder) will be shared with the purchaser in advance. If this condition is not complied, such agents will not be allowed to attend the meeting and also no queries from such agents will be entertained by the purchaser. In addition, the bidder will ensure that such agent does not work simultaneously for two or more competing bidders. In case the bidder is not able to attend the pre-bid conference the information required may be sent by courier or e mail which should be on or before pre-bid conference.

## 7. Bid form

7.1 The bidder shall complete the bid form and the appropriate price schedule furnished in the bidding documents, indicating, inter alia, for the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.

## 8. Bid prices

8.1 The Bidder shall indicate in the Price Schedule the Unit price and total prices of the goods it proposes to supply under the Contract. To this end, the bidders are allowed the option to submit the bids for any one or more schedule specified in the Schedule of Requirement' and to offer discounts for combined schedules. **However, Bidders shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such bids (for the schedule in question) will not be taken into account for evaluation and will not be considered for award,**

8.2 Prices indicated in the price schedule shall be entered separately in the following manner:

### I. For goods offered from within India -

- a) The price of the goods, quoted as ex-factory, ex-showroom, ex warehouse or off-the-shelf, as applicable, including customs, excise and any other duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory or on the previously imported goods of foreign origin, quoted ex-showroom, ex-warehouse or off-the-shelf.
- b) Any sales or other taxes / duties including excise duty, which will be payable on the goods in India if the contract is awarded.
- c) Charges for inland transportation, insurance and other local costs incidental to delivery of goods to the final destination. The final destination is specified in the Schedule of requirements
- d) The price of incidental services as and if listed in **Schedule of Requirements.**
- e) Any element of cost, taxes, duties, levies etc. not specifically indicated in the bid, shall not be paid by the purchaser.

### II. For goods offered from abroad

- a) The price of goods shall be quoted CIF port of entry in India or CIP named place of destination in India as and if specified in the **Schedule of Requirements.** In quoting the prices, the bidder shall use ocean transportation through Indian flag vessels of Indian origin or through vessels of Shipping Conference Lines in which India is a member country. Similarly, the bidder may obtain insurance services from any nationalized insurance company in India.
- b) The price of goods shall be quoted FOB port of shipment, as and if specified in the Schedule of Requirements.
- c) Charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, which is specified in the Schedule of Requirements.
- d) The price of incidental services as and if listed in the Schedule of Requirements.

- e) Any element of cost, taxes, duties, levies etc. not specifically indicated in the bid, shall not be paid by the purchaser.

8.3 The terms FOB, CIF, CIP etc. shall be governed by the rules and regulations prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, Paris.

8.4 The bidders separation of the price components in accordance with ITB clause 8.2 above will be solely for the purpose of facilitating the comparison of bids by the purchaser and will not in any way limit the purchaser's right to contract on any of the terms offered.

8.5 Prices quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account, unless otherwise specified in the **Schedule of Requirements**. If the requirement is for a fixed price bid, a bid submitted with an adjustable price quotation will be treated as non-responsive and rejected

**8.6. Prices quoted as "inclusive of all duties / taxes etc" will not be considered and summarily rejected.**

## **9. Bid currencies**

9.1 For domestic, goods prices shall be quoted in Indian rupees only. Commission for Indian Agent, if payable shall, also be quoted in Indian Rupees only in a manner as specified in ITB Clause No.11.2. For imported goods prices shall be quoted either in Indian rupees or in US\$. Bids, where prices are quoted in any other way shall be treated as non-responsive and rejected.

## **10. Indian Agent**

10.1 If a foreign bidder has engaged an agent in India in connection with its bid, it will be required to give the following information in the bid:

- a) The name and address of the Indian agent with their permanent income tax number.
- b) The details of the services the agent will render
- c) The amount of remuneration for the agent, included in the FOB component of the bid price.
- d) One Indian Agent cannot represent two suppliers or quote on their behalf in a particular tender (Central Vigilance commission order No: 12-02-6-CTE/SPI (I)-2, New Delhi).

10.2 The agency commission shall be indicated in the space provided for in the price schedule and will be paid to the bidder's agent in Indian rupees using the telegraphic transfer buying rate of exchange ruling on the date of award of contract and shall not be subject to any further exchange variation.

## **11 Documents establishing bidder's eligibility and qualifications**

11.1 The bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and his qualifications to perform the contract if his bid is accepted.

11.2 The documentary evidence of the bidder's qualifications to perform the contract if its bid is accepted, shall establish to the purchaser's satisfaction

- a) that, in the case of a bidder offering to supply goods under the contract, which the bidder did not manufacture or otherwise produce, the bidder has been duly authorized (as per page number) by the good's manufacturer or producer to supply the goods in India.
- b) that the bidder has financial, technical and production capability necessary to perform the contract and, also, it meets the criteria indicted in the **Schedule of Requirements** and as given below

#### **A) Manufacturer Bidders:**

- (a) Financial Capability- The bidder shall furnish documentary evidence that he meets the following financial requirement:  
The bidders who are manufacturers should have generated significant annual sales turnover.
- (b) Technical Capability-The bidder shall furnish documentary evidence that he meets the following experience requirements:
  - 1) The bidder must have supplied and provided after sales services satisfactorily TO THE END USERS the specific goods in any one of the last 5 calendar years
  - 2) They should furnish the information on past supplies and satisfactory performance reports from the previous buyers.
  - 3) The legal status, place of registration and principle place of business of the company or firm or partnership, etc;
  - 4) Reports on financial standing of the bidder such as profit and loss statements, balance sheets and auditor's report for the past three years, banker's certificates etc.
- (c) That, in the case of a bidder not doing business in India, the bidder is or will be (if successful) represented by an agent in India equipped and able to carry out the suppliers maintenance, repair and spare parts stocking obligations prescribed by the conditions of contract and/or technical Specifications
- d) That such an agent (w.r.t sub- para c above) is enlisted with Directorate General of Supplies & Disposals, Jeevan Tara Building, Sansad Marg, New Delhi-110 001, under the scheme of Ministry of Finance, Govt. of India for compulsory enlistment of Indian Agents.

#### **12 Good's eligibility and conforming to bidding document.**

- 12.1 The bidder shall furnish, as part of his bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the bidder proposes to supply under the contract.
- 12.2 The documentary evidence for eligibility of the goods and services shall consist of a statement in the price schedule, about the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 12.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, data etc. and shall consists of:



- a) a detailed description of the good's essential technical and performance characteristics,
- b) a list giving full particulars, including available sources and current prices, of all spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period of two years (or more, if specified in the schedule) following commencement of the use of the goods by the purchaser; and
- c) a clause-by-clause commentary on the purchasers 'Technical Specifications' demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the 'Technical Specifications'.

12.4 For purposes of the commentary to be furnished to ITB clause 12.3 c above, the bidder shall note that the standards of workmanship, material and equipment and references to brand names or catalogue numbers, if any designated by the purchaser in its 'Technical Specifications' are intended to be descriptive only and not restrictive. The bidder may substitute alternative standards, brand names and/or catalogue numbers in its bid, provided that it demonstrates to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those mentioned in the 'Technical Specification'.

### **13 Bid Security**

13.1 The bidder shall furnish as part of its bid, a bid security of an amount specified in the **Schedule of Requirements**.

**13.2 The bid security is required to protect the purchaser against risk of bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB clause 13.7**

13.3 The bid security shall be denominated in US \$ or in Indian Rupees and shall be in one of the following forms:

- a) Demand draft on a scheduled commercial bank in India, drawn in favor of the designated officer of the purchase organization and payable at a place as indicated by the purchaser in the Schedule of Requirements.
- b) A bank guarantee, issued by a scheduled commercial bank In India or a bank abroad, duly confirmed by a scheduled commercial bank in India in the form provided in the bidding documents under section VII/2 and valid for 45 days beyond the validity of the bid,

13.4 Any bid from a bidder not secured in accordance with ITB clauses 13.1 and 13.3 will be summarily rejected by the purchaser, as non-responsive, pursuant to ITB clause 22.

13.5 Unsuccessful bidder's bid security will be discharged/returned as promptly as possible after the expiration of the period of bid validity prescribed by the purchaser, pursuant to ITB clause 14, but, barring an unforeseen circumstances, not later than 45 days of the award of contract.

13.6 The successful bidder's bid security will be discharged/returned upon the bidder, signing and accepting the contract pursuant to ITB clause 30 and furnishing the performance security, pursuant to ITB clause 31.

13.7 The bid security may be forfeited:

- a) If a bidder:
  - i. Withdraws its bid or impairs or derogates from the bid in any respect during the period of bid validity specified by the bidder on the bid form; or
  - ii. Does not accept the correction of errors pursuant to ITB clause 21.2
- b) In the case of successful bidder, if the bidder fails
  - i. to accept and sign the contract in accordance with ITB clause 29; or
  - ii. to furnish performance security in accordance with ITB clause 30.

#### **14. Period of validity of bids**

14.1 Bids shall remain valid for acceptance for 90 (ninety) days after the bid submission deadline prescribed by the purchaser, pursuant to ITB clause 17. A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.

14.2 In exceptional circumstances, the purchaser may solicit the bidder's consent to an extension of the period of bid validity up to a specified period. The request and the response thereto shall be made in writing. The bid security provided under ITB clause 12 shall also be suitably extended. A bidder may refuse the request without forfeiting its bid security. However, a bidder agreeing to the request will not be required nor permitted to modify his bid.

14.3 If the date up to which the bid is to remain valid happens to be a closed holiday for the purchaser, the bid shall automatically remain valid up to the next working day of that organization.

#### **15. Format and signing of bid**

15.1 The bidder shall prepare two copies of the bid, clearly making them Original Bids and "Duplicate copy of Bid" respectively. In the event of any discrepancy between them, the original shall govern.

15.2 The original and the copy of the bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons duly authorized to bind the bidder to the contract. Power of attorney should be signed in favor of the "person who is authorized to sign the bid" by the Head of the Organization and the signature of the authorized person should be attested by a NOTARY. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.

15.3 Any interlineations, erasures or overwriting in the bid shall be valid only if they are initialed by the person or persons signing the bid.

15.4 The front page of the bidding documents, containing the signature with date of the official (of the purchase organization) selling/dispatching the documents with the seal of that office must be returned in original by the bidder along with the original copy of the bid, **failing which the bid is liable to be ignored**

## **D. SUBMISSION OF BIDS**

### 16. Sealing and marking of bids

16.1 The bidder shall seal the original and the duplicate copy of the bid in separate envelopes, duly marking the envelopes as 'Original' and 'Duplicate' respectively. These envelopes shall then be sealed in an outer envelope. (In case more than two copies are required as per specific stipulation in the Schedule of Requirements, the copies of the bids shall be marked accordingly, like "Original", "Duplicate", "Triplicate" and so on. Each copy of the bid shall be sealed in a separate envelope and these envelopes shall then be sealed in an outer envelope.

### 16.2 The inner and outer envelopes shall :

- a) Be addressed to the purchaser at the address given in the **Schedule of Requirements**.
- b) Bear the invitation for bids (IFB) number and the words **“DO NOT OPEN BEFORE 10-03-2011 at 14:00hrs** (The time and date of bid opening, as specified in the IFB).

16.3 Each inner envelope shall indicate the name and address of the bidder to enable the bid to be returned unopened in case it is declared late” or if the invitation of bids (IFB) is cancelled.

16.4 If the outer envelope is not sealed and marked as required by ITB clause 15.2, the purchaser will not assume any responsibility for the bid's misplacement or premature opening.

16.5 **Bids sent by Telegram, Telex, cable or facsimile are not acceptable and will be rejected.**

### 17. Deadline for submission of bids

17.1 Bids must be received by the purchaser at the address specified under ITB clause 16.2 not later than the time and date specified in the **Schedule of Requirements** and the purchaser will provide a receipt (inter alia containing time and date of receipt) for the same. If that specified date happens to be a closed holiday for the purchaser, the bids will be received up to the appointed time on the next working day. If the **Schedule of Requirements** provides for receipt of bids through “tender box”, the bids shall be submitted accordingly as per the instruction given in the **Schedule of Requirements**.

17.2 The purchaser may, at his discretion, extend this deadline for the submission of bids by amending the bidding documents, in which case all rights and obligations of the purchaser and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

### 18. Late bids

18.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, pursuant to ITB clause 16, will be rejected and/or returned unopened to the bidder:

## **19. Modification and withdrawal of bids**

19.1 The bidder may modify or withdraw its bid after submitting the same, provided that a written notice of the modification or withdrawal is received by the purchaser prior to the deadline prescribed for submission of bids.

19.2 The bidder's modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provisions of ITB clause 16, A withdrawal notice may also be sent by telex or cable or facsimile, but the same must be followed by a signed confirmation copy, postmarked not later than the deadline for submission of bids.

19.3 No bid may be modified subsequent to the deadline for submission of bids.

19.4 No bid may be withdrawn during the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder in the bid form. Withdrawal of a bid during this interval may result in forfeiture of the Bidder's bid security pursuant to ITB clause 13.7.

19.5 The Director, CRIDA reserves the right to accept any Bid/Tender or reject all Bids/Tenders without assigning any reason, and to annul the bidding process at any time prior to contract award, without thereby incurring any liability to bidder.

## **E. BID OPENING AND BID EVALUATION**

### **20 Opening of bids**

20.1 The purchaser will open the bids in the presence of bidder's representatives, who choose to attend, at the time, date and the place specified in the Schedule of Requirements.

If the specified date of bid opening is a declared holiday for the purchaser, the bids shall be opened at the appointed time and location on the next working day.

20.2 The representative of a bidder, who intends to attend the bid opening, shall bring with him/her a letter of authorization from the bidder on the bidder's letter head, duly authorizing him/her to attend the bid opening. In the absence of such a letter of authorization, the representative(s) will not be allowed to enter and attend the bid opening. The bidder's representatives, who attend the bid opening, shall sign a register (which will be provided by the purchaser) evidencing their attendance.

20.3 The bidder's name, technical specifications of the goods offered, bid prices, discounts, the presence or absence of the requisite bid security and such other details as the purchaser, at his discretion, may consider appropriate will be announced at the time of bid opening.

20.4 The purchaser will prepare appropriate minutes of the bid opening for its official record and circulate to all the prospective bidders who purchased the bidding document

### **21 Clarification of bids**

21.1 During scrutiny and evaluation of bids, the purchaser may, at its -discretion, ask bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the price or substance of the bid shall be sought, offered or permitted.

## **22 Preliminary examination of bids**

22.1 A preliminary examination of all received bids will be carried out to find out the substantially responsiveness or unresponsiveness.

22.2 The purchaser will examine the bids to determine whether they are complete, whether the required bid validity period is given, whether any computational errors have been made, whether required bid security has been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

22.2 Arithmetical errors, if any, in a bid will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between the words and figures, the amount in words shall prevail if the bidder does not accept the correction of such errors its bid will be rejected.

22.3 Prior to the detailed evaluation pursuant to ITB clause 22, the purchaser will determine the substantial responsiveness of each bid to the bidding document requirements. A substantially responsive bid is one which conforms to all the requirements and terms and conditions of the bidding documents, including the specification and technical parameters of the goods as given in the bidding document, without material deviations. Deviations from or objections or reservations to the bidding document's critical provisions, such as those concerning bid validity, technical specifications payment terms, performance security, warranty obligations, Force Majeure, taxes and duties and applicable law (governing the contract) will be deemed to be material deviations. Bids from an agent / distributor without proper authorization from the manufacturer as per ITB clause 12.2 (a), shall be treated as non-responsive.

The purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

22.4 The purchaser may waive any minor infirmity, non-conformity or irregularity in a bid, which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any other bidders.

22.5 The conclusion drawn by the purchaser as to the substantial responsiveness or otherwise of a bid or consideration of a minor infirmity or non-conformity or irregularity in a bid is final.

22.6 If a bid is determined as not substantially responsive, it will be rejected by the purchaser and may not subsequently be made responsive by the bidder by correction of the non-conformity.

## **23 Evaluation and comparison of bids**

23.1 The purchaser will evaluate and compare the bids, which have been determined to be substantially responsive, pursuant to ITB clause 22 for each **schedule separately**. The bid for a schedule will not be considered if the complete requirements covered in the schedule is not included in the bid. However, as stated in ITB clause 7, bidders are allowed the option to bid for any one or more schedule and offer discounts for combined schedules. These discounts will be taken into account in the evaluation of the bids so as to determine the bid or combination of bids offering the lowest evaluated cost for the purchaser in deciding award(s) for each schedule.

23.2 The comparison shall be on CIP destination basis, duly delivered, installed and commissioned (as the case may be) at the destination.

23.3 The purchaser's evaluation of a bid will include and take into account, in addition to bid price and price of the incidental services:

- a) in the case of goods manufactured in India or goods of foreign origin already located in India, sales tax & other similar taxes and excise duty & other similar duties, which will be payable on the goods if a contract is awarded to the bidder; and
- b) in the case of goods of foreign origin offered from abroad, customs duties and other similar import duties/taxes, which will be payable on the goods if the contract is awarded to the bidder
- c) Comprehensive Maintenance Contract for three years, after expiry period of warranty.

23.4 The purchaser's evaluation of bid will also take into account the following factors in the manner and to the extent specified in the **Schedule of Requirements** and amplified in ITB clause 23.5:

- a) cost of inland transportation, insurance and other costs within India incidental to delivery of the goods to their final destination as stipulated in the Schedule of Requirements.
- b) delivery schedule offered in the bid,
- c) the cost of components, spare parts and service,
- d) the availability of spare parts and after-sale service in India for the goods offered in the bid.
- e) the projected operating and maintenance cost during the life of the equipment.
- f) specific additional criteria.

23.5 Pursuant to clause 23.4, following evaluation methods will be followed:

- a) Inland transportation, insurance and incidentals:  
Bidder shall quote separately for inland transportation, insurance and other incidentals for delivery of goods to the required destination as already indicated in the **Schedule of Requirements**. These costs, incurred in India, shall be quoted in Indian currency. Such costs will be added by the purchaser to the EXW/CIF/CIP bid price
- b) Delivery schedule:  
The purchaser requires that the goods mentioned in the 'Schedule of Requirements' shall be delivered at the destination within the time schedule specified therein. As and if necessary, the estimated time of arrival of goods from ex-works/port of entry to the destination will be calculated by the purchaser for each bid after allowing for reasonable transportation time based on the published tariff of Railways, appropriate

Road Transport Agencies etc. Bids offering deliveries (as worked out on above lines), which are later than the specified delivery but within the allowable range (as specified in the '**Schedule of Requirements**') will be adjusted during the evaluation by adding a factor equal to the percentage specified 'in the **Schedule of Requirements**, to the EXW/CIF/CIP price per week of variation from the specified delivery schedule.

- c) Cost of components and spare parts:
  - i) the list of items and quantities of major assemblies, components and selected spare parts, likely to be required during the initial period of operation as specified in the **Schedule of Requirements**, is annexed to the Technical Specification. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.
  - or
  - ii) the purchaser will draw up a list of high usage and high value items of components and spare parts, along with the estimated quantities of usage in the initial period of operation as indicated in the **Schedule of Requirements**. The total cost of these items and quantities will be computed from the corresponding unit prices quoted by the bidder and added to the bid price
  - or
  - iii) the purchaser will estimate the cost of spare parts usage in the initial period of operation specified in the **Schedule of Requirements**, based on the information furnished by each bidder, as well as on the past experience of the purchaser or other purchasers in similar situations. Such costs shall be added in the bid price for evaluation.
- d) Availability of spare parts and after sales service facilities in India:
 

The cost to the purchaser of establishing the required service facilities and parts inventories, as outlined in the **Schedule of Requirements** or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.
- e) The projected operating and maintenance cost during the life of the equipment:
 

These costs, which form a major portion of the life cycle cost of the equipment, will be evaluated in accordance with the criteria specified in the **Schedule of Requirements** and/or in the Technical Specifications.
- f) Specific additional criteria:
 

Other specific additional criteria to be considered in the bid evaluation and the corresponding evaluation method shall be incorporated in the **Schedule of Requirements** and/or in the Technical Specifications.

## **24. Bidder's capability to perform the contract**

24.1 The purchaser will determine to its satisfaction whether the bidder, which is selected as having submitted the lowest evaluated responsive bid, is qualified and prima facie capable to perform the contract satisfactorily.

24.2 The determination will take into account the bidder's financial, technical, and production capabilities for fulfilling all the requirements of the purchaser as specified in the bidding documents. This exercise will be based upon the examination of the documentary evidence of the bidder's qualifications submitted by the bidder, pursuant to ITB clauses 3 and 11, as well as such other allied information as the purchaser deems necessary and appropriate.

24.3 An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid, in which event the purchaser will proceed to the next lowest evaluated bid to make a similar determination of the bidder's capabilities to perform satisfactorily.

## **25. Purchaser's right to vary quantities at the time of award**

25.1 The purchaser reserves the right at the time of awarding the contract to increase or decrease by up to 25%, the quantity of goods and services specified in the schedule of requirements without any change in the unit price or other terms and conditions.

## **26 Contacting the purchaser**

26.1 From the time of the bid opening to the time of awarding the contract, if a bidder wishes to contact the purchaser on any matter related to the bid, he should do so in writing.

26.2 Any effort by a bidder to influence the purchaser in the purchaser's decision on bid evaluation, bid comparison or contract award shall result in the rejection of the bidder's bid, besides other suitable administrative actions against the bidder, as deemed fit by the purchaser.

# **F. AWARD OF CONTRACT**

## **27 Award criteria**

27.1 Subject to ITB clause 23, the purchaser will award the contract to the successful bidder whose bid has been determined as the lowest evaluated bid, provided further that the bidder is determined to be qualified and prima facie capable to perform the contract satisfactorily.

## **28. Purchaser's right to accept / reject bids**

28.1 The purchaser reserves the right to accept or reject any bid and to annul the bidding process and reject all bids at any time prior to the award of contract, without thereby incurring any liability, whatsoever, to the affected bidder or bidders.



## **29 Notification of award**

29.1 Before the expiry of bid validity period, the purchaser will notify the successful bidder in writing, by registered letter or by cable / fax / telegram / telex, to be confirmed subsequently in writing by registered letter, that its bid has been accepted. The schedule(s) of requirement and the corresponding quantity of the item(s) ordered, which have been accepted, will, inter-alia, be mentioned in the notification.

29.2 The notification of award will constitute the formation of the contract.

28.3 Upon the successful bidders furnishing the performance security, pursuant to ITB clause 31, the purchaser will promptly notify each unsuccessful bidder and will discharge its bid security, pursuant to ITB clause 13.

## **30. Signing of contract**

30.1 At the same time as purchaser notifies the successful bidder that its bid has been accepted, the purchaser will send to the bidder by registered post or speed post, the contract form provided in the bidding documents, incorporating all agreements between the parties.

30.2 Within twenty-one (21) days of issue of the contract form by the purchaser, the successful bidder shall sign and date the contract and return it to the purchaser by registered post or speed post.

## **31 Performance security**

**31.1** Within twenty-one (21) days of the issue of notification of award by the purchaser, the successful bidder shall, along with the signed contract, furnish the performance security in accordance with and as per the instructions incorporated in the general conditions of contract with regard to performance security.

31.2 Failure of the successful bidder to comply with the requirement of clause 30 or clause 31 shall constitute sufficient grounds for annulment of the award and forfeiture of the bid security, in which event, the purchaser may make the award to the next lowest evaluated bidder or call for new bids.

## **CHAPTER – II**

### **GENERAL CONDITIONS OF CONTRACT (GCC)**

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## **GENERAL CONDITIONS OF CONTRACT (GCC)**

### **Definitions**

1.1 In this contract the following terms shall be interpreted as indicated:

- a) “IFB” means Invitation for Bids.
- b) “ITB” means Instruction to Bidders.
- c) “GCC” means General Conditions of Contract.
- d) “RC” means Rate Contract.
- e) “Contract” means a legal agreement entered into between the purchaser and the supplier, as recorded in the agreement signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein..
- f) “Contract Price” means the price payable to the supplier under a contract for the full and proper performance of its contractual obligations.
- g) “Goods” means all the items, materials, equipment and/or machinery, which the supplier is required to supply to the purchaser in terms of the contract.
- h) “Services” means the services ancillary to the supply of the goods, such as transportation and insurance and any other incidental services, such as installation, commissioning, provision of technical assistance, training, comprehensive maintenance contract and other such obligations of the supplier covered under the contract.

Purchaser means the buyer named in a bidding document and in the corresponding contract, purchasing the goods ordered and includes his successors and/or assignees.

- j) “Consignee” means the individual or body to whom the contracted goods are required to be delivered as per the terms and the conditions\incorporated in the contract.
- k) “Supplier” means the individual or firm supplying the goods under the contract and includes its successor and/assignees.

- l) “Day” means calendar day of the Gregorian calendar.
- m) “Month” means calendar month of the Gregorian calendar.

## **2 Application**

2.1 These general conditions of contract (as contained in this section) shall apply to the extent they are not superseded by provisions in other parts of the contract:

## **3. Country of origin**

3.1 All goods and services supplied under the contract shall have their origin in India or in the Countries, with which the Government of India has trade relations,

3.2 For purposes of this clause, "origin" means the place where the goods are mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing processing and substantial or major assembling of components, commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.

3.3 The origin of goods and services is distinct from the nationality of the supplier.

## **4 Standards**

4.1 The goods supplied under this contract shall conform to the standards mentioned in the 'Technical Specifications' and when no applicable standard is mentioned, to the latest authoritative standards, as applicable to the good's country of origin.

## **5 Use of contract documents and information**

5.1 The supplier shall not, without the purchaser's prior written consent, disclose the contract or any provision thereof or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the purchaser in connection therewith, prior to, during or following completion or termination of the contract, by the supplier in the performance of the contract. Also, disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for the purposes of such performance.

5.2 The supplier shall not, without the purchaser's prior written consent, make use of any document or information enumerated. In GCC sub-clause 5.1 except for the purposes of performing the contract.

5.3 Every document other than the contract itself, mentioned in GCC sub clause 5.1, shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract, if so required by the purchaser.

## **6. Patent rights**

6.1 The supplier shall at all times indemnify the purchaser, free of cost, against all third-party claims of infringement of patent, trade mark or industrial design rights arising from use, of the goods or any part thereof in India.

## 7. Performance security

7.1 **Within 21 (twenty one) days** after the issue of notification of award by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount equal to **5% (Five per cent)** of the contract value, **valid up to 60 (sixty) days beyond** the date of completion of all contractual obligations by the supplier, including the warranty obligations.

7.2 In the event of any correction of defects or a replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of twelve months from the date of the correction/replacement and the Performance Security for the proportionate value (which will be determined by the purchaser in consultation with the supplier) shall be extended by 60 (sixty) days over and above the extended warranty period.

7.3 In the event of any contract amendment, the supplier shall, within 21 (twenty-one) days of issue of such amendment, furnish the necessary amendment to the Performance Security, rendering the same valid in all respects in terms of the contract, as amended.

7.4 The proceeds of the Performance Security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete its obligations under the contract.

7.5 The Performance security shall be denominated in Indian Rupees or in the currency of the contract and shall be in one of the following forms:

- a) Demand Draft on any scheduled commercial bank in India, to be drawn in favor of the purchaser as indicated in the Schedule of Requirements.
- b) Bank Guarantee issued by a scheduled commercial bank in India, in the prescribed form, as provided in section VII/4 of this bidding document.

7.6 Subject to GCC sub-clause 7.4 above, the performance security will be discharged by the purchaser and returned to the supplier on completion of the supplier's contractual obligations, including the warranty period plus 60 days, under the contract.

## 8 Inspection and tests

8.1 The purchaser and/or his nominated representative(s) shall have the right to inspect and/or to test the goods to confirm their conformity to the contract specification and other technical details incorporated in the contract at no extra cost to the purchaser. The **Schedule of Requirements** and the Technical Specification incorporated in the bidding document shall specify what inspections and tests, the purchaser requires and where and how they are to be carried out. The purchaser shall notify, in advance, the supplier, in writing, of the identity of any representative(s) for this purpose.

8.2 The inspections and tests may be conducted on the premises of the supplier or his subcontractor(s), at the point of delivery and/or at the good's final destination. If conducted on the premises of the supplier, or his subcontractor(s), all reasonable facilities and assistance, including access to relevant drawings, design details and production data, shall be furnished by the supplier to the inspectors at no cost to the purchaser.

8.3 Should any inspected or tested goods fail to conform to the required specifications and standards, the purchaser may reject them and the supplier shall either replace the rejected goods or make all alterations necessary to meet the specifications and standards, as required, free of cost to the purchaser and resubmit the same to the purchaser for conducting the inspections and tests again.

8.4 Where the contract stipulates pre-dispatch inspection by the purchaser's nominated inspecting agency, the supplier shall put up the goods for inspection to the inspecting agency well ahead of time so that the inspecting agency is able to complete the inspection within the stipulated delivery period. If the goods are tendered for inspection at the last moment without providing reasonable time to the inspection agency for completing the inspection, the inspecting agency may carry out the inspection and complete the formality beyond the contractual delivery period at the risk and expense of the supplier. The fact that the items have been inspected after the contractual delivery period will not have the effect of keeping the contract alive and this will be without any prejudice to the legal rights and remedies available to the purchaser under the terms and conditions of the contract.

8.5 The purchaser's right to inspect, test and, where necessary, reject the goods after the goods' arrival at the final destination shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by purchaser or his representatives prior to the dispatch of the goods from the country of origin or from the supplier's premises.

8.6 Nothing in GCC clause 8 shall, in any way, release the supplier from any warranty or other obligations under the contract.

## **9 Packing**

9.1 The supplier shall provide such packing of the goods as is required to prevent the damage or deterioration during the transit to their final destination as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, humid weather and precipitation during transit and open storage. The sizes and weights of the packing cases shall also take into consideration, where applicable, the available inland mode(s) of transport in India, the remoteness of the good's final destination and the absence of heavy handling facilities at all points in transit. Further, limitations and or mandatory instructions, if any, in the weights, volumes and sizes of the packages shall also be taken care of, by the supplier.

9.2 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements if any, as shall be expressly provided for in the contract, including additional requirements, if any, specified in the **Schedule of Requirements** and any subsequent instructions given by the purchaser.

9.3 Packing instructions:

The supplier will be required to make separate packages for each consignee named in the contract. Each package will be marked by the supplier at his own expense, on three sides with indelible ink/paint, with the following details:

- a) Contract no. and date
- b) Name and address of the consignee

- c) Name and address of the supplier
- d) Brief description of goods
- e) Gross weight and outer dimension of the package
- f) Country of origin of goods
- g) Packing list reference no. and.
- h) Any other requirement, relevant to the contract

## **10. Delivery of goods**

10.1 Delivery of the goods shall be made by the supplier in accordance with the terms specified by the purchaser in the notification of award and in the contract.

10.2 For the purposes of the contract, “FOB”, “CIF”, “CIP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them in the current edition of “Incoterms” which are international commercial shipping terms, published by International Chamber of Commerce, Paris, France.

## **11 Transportation**

11.1 Where the supplier is required under the contract to deliver the goods on F.O.B terms. Transportation of the goods, up to and including the point of putting the goods on board of the vessel at the specified port of loading, shall be arranged and paid for by the supplier.

11.2 Where the supplier is required under the contract to deliver the goods C.I.F. or C.I.P., transportation of the goods to the port of destination or such other specified place of destination in India, as shall be mentioned in the contract, shall be arranged and paid for by the supplier

11.3 Where the supplier is required under the contract to deliver the goods CIF or CIP within India, the supplier shall arrange the shipment by Indian flag vessels or vessels belonging to Conference Lines in which India is a member country. Where the supplier required under the contract to deliver the goods F.O.B. and also to arrange for ocean transportation on Indian flag vessels or vessels of Conference Lines in which India is a member country, the supplier may arrange for such transportation on alternative carriers also, if the Indian flag vessels or Conference Line vessels are not available to transport the goods within the time frame specified in the contract. However, before arranging such alternative transportation, the supplier shall obtain prior concurrence of the purchaser for the same.

11.4 The supplier shall not make part-shipments and/or transshipment without prior written consent of the purchaser

11.5 In case the supplier violates any of the aforementioned instructions, the supplier shall be liable for all consequences (including financial loss) that the purchaser may face due to such violations.

## 12. Insurance

12.1 The goods supplied under the contract, shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery as indicated below in GCC clause 12.

12.2 Where delivery of the goods is required by the purchaser on C.I.F. or C.I.P. basis, the supplier shall arrange and pay for the cargo insurance, naming the purchaser as the beneficiary. Where delivery is on F.O.B. basis, the insurance shall be the responsibility of the purchaser.

12.3 In the case of a contract on. CIF. or C.I.P. basis, the insurance shall be for an amount equal to 110% (one hundred and ten percent) of the CIF or CIP value of the goods from "warehouse to warehouse" (final destination) on "all risks" basis including war risks and strikes.

## 13. Distribution of dispatch documents

13.1 The shipping and other documents as well as dispatch details to be furnished by the supplier to the purchaser and/or to the purchaser's nominated authorities to enable the purchaser and/or his nominated authorities to clear and/or accept the goods will depend on the mode of dispatch of the goods and the terms of delivery, as specified, in the **Schedule of Requirements** and in the contract and, subject to the instructions in this regard, as indicated below:-

a) For goods supplied from abroad:

Within 24 hours of shipment, the supplier shall notify the purchaser and his nominated authorities (as specified in the contract) and the insurance company by cable or telex or fax, the full details of the shipment including contract number, description of goods, quantity, the vessel, the bill of lading / AWB number and date, port of loading, date of shipment, port of discharge, expected date of arrival at the port of entry etc. Further, the supplier shall also immediately dispatch by registered post / air-mail the specified number of copies of the following documents to the above authorities

- i. Supplier's invoice showing contract number, description of goods, quantity, unit price and total amount
- ii. Original and copies, of the negotiable, clean, on-board bill of lading marked freight to pay and copies of non-negotiable bill of lading / AWB
- iii. Copies of packing list identifying the contents of each package;
- iv. Insurance certificate;
- v. Manufacturer's/supplier's warranty certificate;
- vi. Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency (if so specified) and the supplier's factory inspection report and
- vii. Certificate of origin.



The above documents shall be received by the purchaser and other authorities mentioned above at least one week before the arrival of goods at the port or place of arrival and, if not received, the supplier shall be responsible for any consequent expenses incurred by the purchaser.

b) For goods supplied from within India:

Within 24 hours of dispatch of the goods, the supplier shall notify the complete dispatch details to the, purchaser and/or the purchaser's nominated authorities (as specified in the contract) and the insurance company. The supplier shall also mail the specified number of copies of the following documents to them:

- i. The supplier's invoice showing contract number, description of goods, quantity, unit price and the total amount;
- ii. Railway receipt or Delivery note;
- iii. Packing list identifying contents of each package;
- iv. Insurance certificate;
- v. Manufacturer's / Supplier's warranty certificate;
- vi. Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency (if so specified) and the supplier's factory inspection report; and
- vii. Certificate of origin.

The purchaser shall receive the documents at least one week before the arrival of the goods (except where it is handed over to the consignee with all the documents) and if not received, the supplier will be responsible for any consequent expenses.

The documents to be provided by the supplier for claiming payment are specified in GCC clause 17 ("Payment").

## 14 Incidental services

14.1 The purchaser may include in the contract any or all of the following services and/or some additional services, If specified in the **Schedule of Requirements** and the supplier is required to provide the same:

- a) Performance or supervision of on-site assembly and/or start-up of the supplied goods,
- b) Furnishing of tools required for assembly and/or maintenance of the supplied goods
- c) Supply of a detailed operations and maintenance manual for each appropriate unit of the supplied goods,
- d) Performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed to by the parties, provided that this service shall not relieve the supplier of any warranty obligations under the contract and
- e) Training the purchaser's personnel, at the supplier's plant and /or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied goods.

14.2 Prices charged by the supplier for the above-mentioned incidental services, if not included in the quoted price for the goods, shall be quoted separately in the bid itself and shall not exceed the prevailing rates, charged to other parties by the supplier for similar services.

## **15 Spare parts**

15.1 As specified in the **Schedule of Requirements**, the supplier is required to provide any or all of the following materials, notifications and information pertaining to spare parts manufactured and/or distributed by the supplier:

- a) Such spare parts as the purchaser may elect to purchase from the supplier, provided that this will not relieve the supplier of any warranty obligations under the contract; and
- b) In the event of termination of production of the spare parts
- c) Advance notice to the purchaser, of the production termination of spares, with sufficient time to permit the purchaser to procure the needed requirements; and
- d) Immediately following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications and other alternative sources of the spare parts, required.

15.2 Supplier shall carry sufficient inventories of consumable spares to assure ex-stock supply of same for the equipments/ machineries supplied. Other spare parts and components shall be supplied, as promptly as possible, but in any case, within three months of placement of order and opening the letter of credit.

## **16 Warranty**

16.1 The supplier warrants that the goods supplied under the contract is new, unused, of the most recent / current models and incorporate all recent improvements in design and materials, unless provided otherwise in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per the purchaser's specifications) or workmanship or from any act of omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India,

16.2 This warranty shall remain valid for 12 (twelve) months after the goods or any portion thereof, as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser in terms of the contract or for 18 (eighteen) months from the date of dispatch from the supplier's works for domestic goods or for 21 (twenty-one) months after the date of shipment from the port or place of loading in the source country for imported goods, whichever is earlier, unless specified otherwise in the **Schedule of Requirements**.

16.3 The purchaser shall promptly notify the supplier in writing of any claim arising under this warranty.

16.4 Upon receipt, during the warranty period, of such notice, the supplier shall, with all reasonable speed (or within the period, if specified in the **Schedule of Requirements** and

the contract), repair or replace the defective goods or parts thereof, free of cost, at the ultimate destination. The supplier shall take over the replaced parts/goods at the time of their replacement. No claim whatsoever shall lie on the purchaser for the replaced parts/goods thereafter . . . .

16.5 In the event of any correction of a defect or replacement of any defective material needed , during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 (twelve) months from the date, such corrected / replaced material starts functioning to the satisfaction of the purchaser.

16.6 If the supplier, having been notified, fails to rectify the defect(s) within a reasonable period (or within the period, if specified in the **Schedule of Requirements** and the contract), the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and cost and without prejudice to any other rights, which the purchaser may have against the supplier, under the contract.

## **17 PAYMENT**

17.1 The payment shall be made in the currency / currencies specified in the contract. The supplier shall send his claim (with relevant documents, as required) to the appropriate paying authority as specified in the **Schedule of Requirements** and the contract. Before claiming any payment, the supplier shall ensure that all the contractual obligations for claiming that payment have been duly fulfilled.

17.2 The payment shall be made in the following manner and on production of the following documents:

### **A) Payment for goods supplied from abroad:**

#### **i. On shipment:**

40% of the contract price shall be paid, through an irrevocable letter of credit established in favor of the foreign supplier, in a scheduled commercial bank in India, acceptable to the purchaser, upon submission of the following documents:

- a) Certified copy of the fax sent by the supplier to the purchaser and others as per GCC sub-clause 10.3 (a).
- b) Supplier's signed commercial invoice showing contract number, description of the supplied goods, corresponding quantity, unit price and the total value and name(s) of the consignee(s) for the supplied goods.
- c) Original clean on board bill of lading / AWB marked freight pre-paid consigned to the port of consignee evidencing description of the goods, quantities, relevant details about the contract number etc.
- d) Packing list, identifying contents of each package.
- e) Insurance policy or certificate in duplicate endorsed in favor of the purchaser, with claims payable in India in the currency of the Letter of Credit.

- f) Manufacturer's/supplier's warranty certificate and supplier's factory inspection report.
- g) Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified.
- h) Certificate of origin.
- i) Supplier's certificate confirming that the required
- j) Documents have been sent to all concerned in terms of GCC sub-clause 13.1(a).
- k) Supplier's certificate confirming that the amounts shown in the invoice are correct in terms of the contract and that all the terms and conditions of the contract have been complied with for claiming this payment.
- l) Any other document(s) and/or modification of above documents specified in the **Schedule of Requirements** and the contract.

ii) On final acceptance:

60% after successful installation of all Automatic weather Stations, Commissioning and data retrieving.

iii) Payment of agency commission:

Payment shall be made in Indian rupees within 30 (thirty) days of presentation of claim supported by a certificate from the purchaser confirming that the goods have been delivered, full 100% payment has been made to the foreign supplier and all other, contractual obligations, have been performed by the supplier and its agent, for claiming this payment.

This payment (towards agency commission) will be made by the purchaser's paying authority, specified in the contract, and not through Letter of Credit

**B). Payment for goods supplied from India:**

Payment shall be made in Indian rupees by the purchaser's paying authority, as specified in the contract (and not through Letter of Credit), in the following manner:

i. On delivery:

40% of the contract price shall be paid on receipt of the goods by the consignee and upon submission of following documents to the paying authority:

- a) The supplier's invoice showing contract number, description of goods, quantity unit price and the total amount;
- b) Railway receipt/ Lorry receipt or Delivery note;
- c) Packing list identifying contents of each package;

- d) Insurance certificate;
- e) Manufacturers Supplier's warranty certificate;
- f) Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency, if so specified, and the supplier's factory inspection report
- g) Certificate of origin, (if already imported goods are supplied)
- h) Provisional receipt certificate for the corresponding delivery, issued by the consignee; and
- i. Any Other document(s) and/or modification of above documents specified in the **Schedule of Requirements** and the contract

ii. **On final acceptance**

60% of the contract price shall be paid after successful installation of the Automatic Weather Stations, commissioning and data retrieving

C) Payment for incidental services and supervision:

The incidental services and supervision, if required separately, will be specified in the **Schedule of Requirements** and in the contract. The payment-terms applicable for such services and supervision will also be specified therein

**17.3 Operation of the Letter of Credit:**

- a. The payments effected through letter of credit, shall be subject to the latest Uniform Customs and Practice for Documentary Credit, of the International Chamber of Commerce; Paris
- b) If requested specifically by the supplier, the letter of credit will be confirmed, but the cost for the confirmation charges shall be charged to the supplier's account
- c) If the letter of credit is required to be extended / reinstated for reasons not attributable to the purchaser, the charges thereof shall be to the supplier's account.

**18. Prices**

18.1 Prices charged by the supplier for the goods supplied and the services performed under the contract shall not vary from the prices quoted by the supplier in its bid ,with the exception of any price adjustment authorized in the **Schedule of Requirements**.

**19. Modification of contract**

19.1 The purchaser may at any time, by a written instruction given to the supplier, pursuant to GCC clause 31, make changes and modifications within the general scope of contract in any one or more of the following:

- a) drawings, designs or specifications, where goods to be supplied under the contract are to be specifically manufactured for the purchaser
- b) the mode of packing
- c) the mode of dispatch
- d) the place of delivery

- e) the services to be provided by the supplier, and / or
- f) any other area(s) of the contract, depending on the merits of the case.

19.2 If any such change causes an increase or decrease in the cost of, or in the time required for the supplier's performance of any provision under the contract, an equitable adjustment shall be made in the contract price or contract delivery schedule or both, and the contract shall be amended accordingly. Any claim by the supplier for adjustment under this clause must be asserted within 21 (twenty-one) days from the date of the supplier's receipt of the purchaser's amendment / modification of the contract.

19.3 Subject to GCC sub-clauses 19.1 and 19.2, no variation in or modification of the terms of the contract shall be made except by written amendment signed by both the parties.

## **20 Assignment**

20.1 The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

## **21 Sub Contracts**

21.1 The supplier shall notify the purchaser in writing of all sub-contracts awarded under the contract, if not already specified in its bid. Such notifications, in its original bid or later, shall not relieve the supplier from any liability or obligation, whatsoever, under the contract

21.2 Subcontract shall be only for bought-out items and sub-assemblies.

21.3 Subcontracts must comply with the provisions of GCC clause 3.

## **22 Delays in the supplier's performance**

22.1 Delivery of the goods and performance of the services shall be made by the supplier in accordance with the time schedule specified by the purchaser in the "Schedule of Requirements".

22.2 Except as provided under GCC clause 25, any unexcused delay by the supplier in maintaining its contractual delivery obligations shall render the supplier liable to any or all of the following:

- a. imposition of liquidated damages,
- b. forfeiture of its performance security and / or
- c. termination of the contract for default

22.3 If at any time during the performance of the contract, the supplier or his subcontractor(s) should encounter conditions hindering timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). After the receipt of the supplier's notice, the purchaser, as soon as practicable, shall evaluate the situation and may at his discretion extend the supplier's time for performance, in which case, the extension of the delivery period shall be ratified by issuing an amendment to the contract.

22.4 The supplier shall not dispatch the goods after expiry of the delivery period. The supplier is required to apply to the purchaser for extension of delivery period and obtain the same before dispatch. In case the supplier dispatches the goods without obtaining an extension, he would be doing so at his own risk and no claim for payment for such supply and / or any other expense related to such supply shall lie against the purchaser.

## **23. Liquidated damages**

23.1 Subject to GCC clause 25, if the supplier fails to deliver any or all of the goods or perform the services within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5 % (half percent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance, up to a maximum deduction of 10 % (ten percent) of the delayed goods or services contract price. Once the maximum is reached, the purchaser may consider termination of the contract, if the same have not been terminated already.

Further, during the above mentioned delayed period of supply and / or performance, the supplier, notwithstanding any stipulation in the contract for increase in price for any ground, shall not be entitled to any increase in price and cost, whatsoever, which take place during the period of delay. But nevertheless, the purchaser shall be entitled to the benefit any decrease in price and cost on any ground during that period of delay.

## **24. Termination for default**

24.1 The purchaser, without prejudice to any other remedy for breach of contract, may, by a written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC clause 22.

24.2 In the event the purchaser terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1, the purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, goods and/or services similar to those undelivered and the supplier shall be liable to the purchaser for any excess cost for such similar goods and / or services. However, the supplier shall continue to perform the contract to the extent not terminated

## **25. Force Majeure**

25.1 Notwithstanding the provisions of GCC clauses 22, 23 and 24, the supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

25.2 For purposes of this clause; “Force Majeure” means an event beyond the control of the supplier and not involving the supplier’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes

25.3 If a Force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

## **26. Termination for insolvency / convenience**

26.1 The purchaser, by written notice sent to the supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that the termination is for the purchaser's convenience, the extent to which performance of the supplier under the contract is terminated, and the date with effect from which such termination becomes effective

26.2 If the supplier becomes bankrupt or otherwise insolvent, the purchaser may terminate the contract by giving written notice to the supplier without any compensation to the supplier, provided, that such termination will not prejudice or affect any right of action or remedy which has accrued and / or will accrue thereafter to the purchaser

## **27. Resolution of disputes**

27.1 If any dispute or difference of any kind shall arise between the purchaser and the supplier in connection with or arising out of the contract, the parties shall make every effort to resolve the same amicably by mutual consultations.

27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

27.3 Any dispute or difference, in respect of which a notice of intention to commence arbitration has been given in accordance with GCC sub-clause 28.2, shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the goods under the contract.

27.4 The dispute resolution mechanism to be applied pursuant to GCC sub clause 27.3, shall be as follows

### **a) Contracts with Foreign Supplier.**

Any dispute, controversy, or claim arising out of relating to this Contract, or breach, termination or invalidity thereof, shall be settled by arbitration in accordance with the UNICITRAL Arbitration Rules as at present in use.

### **b) Contracts with Indian Supplier.**

- i. In the case of a dispute or difference arising between the purchaser and the supplier relating to any matter arising out of or connected with the contract, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall



consist of three arbitrators, one each to be appointed by the purchaser and the supplier. The third arbitrator shall be chosen by the two arbitrators so appointed by the parties and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of thirty days from the appointment of the arbitrator appointed subsequently, the presiding arbitrator shall be appointed by the Indian Council of Arbitration or President of the Institution of Engineers (India).

- ii. The decision of majority of arbitrators shall be final and binding upon both the parties.
- iii. The cost and expenses of the arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation, etc., of its proceedings as also fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.

27.5 However, where the value of the contract is Rs.15 lakhs (Rupees one and a half million) and below, the disputes or differences arising in it shall be referred to a sole arbitrator. The sole arbitrator shall be appointed by mutual agreement between the parties. If the parties fail to agree on the arbitrator within 30 (thirty) days from the receipt of a request by one party from the other party to so agree, the appointment shall be made upon request of a party, by the Indian Council of Arbitration or the President of the Institution of Engineers (India).

27.6 The venue, of arbitration shall be the place from where the contract is issued.

## **28. Governing Language**

28.1 The contract shall be written in English Language. All correspondence and other documents pertaining to the contract, which the parties exchange, shall also be written in English.

## **29. Applicable Law**

29.1 The contract shall be interpreted in accordance with the laws of India.

## **30. Notices**

30.1 Any notice given by one party to the other pursuant to the contract shall be confirmed in writing to the addresses specified in the **Schedule Requirements**.

30.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

## **31 Taxes and duties**

30.1 A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees and other such levies imposed outside India.

30.2 A local supplier shall be entirely responsible for all taxes, duties, license fees, etc. incurred until delivery of the contracted goods and services to the purchaser.

Further instruction if, any, shall be as provided in the **Schedule of Requirements**.

**CHAPTER - III****CONTRACT FORM****CENTRAL RESEARCH INSTITUTE FOR DRYLAND AGRICULTURE****SANTOSH NAGAR, HYDERABAD-500 059**

Office issuing the contract

Contract No. \_\_\_\_\_

Date \_\_\_\_\_

This is in continuation to this Office Notification of Award No. .... Dated:.....

1. Name & address of the Supplier
2. Purchaser's bidding document No. .... Dated .....(followed by further communication No. and date, if any from the purchaser to the supplier)
3. Supplier's bid No..... dated..... (followed by further communication No. and date, if any, from the supplier to purchaser).
4. The documents which are deemed to form and be read and construed as part of this contract are:
  1. The Bid form and the price Schedule submitted by the bidder
  2. The Schedule of Requirements;
  3. The Technical Specification and Quality Control Requirements
  4. The General Conditions of Contract; and
  5. The Purchaser's Notification of Award

Certain stipulations out of the above documents are reproduced below for ready reference. However, the words and expressions used in this contract agreement shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to:

5. Details of Performance Security
6. Brief particulars of the goods and services which shall be supplied / provided by the supplier are as under:

Schedule No.	Brief description of goods / services	Accounting Unit	Quantity to be supplied	Unit Price	Total Price	Delivery terms (FOB/CIF/Free Del. At site / CIP etc.)

Total value (in figure) \_\_\_\_\_ (In words) \_\_\_\_\_

Delivery schedule

Details of Inspection, test and quality assurance

1. Designation and address of inspection agency
2. Mode(s) and place(s) of conducting inspections and tests.

Transit Insurance

Dispatch Instructions

Details of consignee (including port consignee, if any)

Payment terms

Paying Authority

Warranty

Comprehensives (Annual) Maintenance Contract.

(Signature, name and address

Of the purchaser's authorized functionary

Signing the contract)

For and on behalf of .....

Received and accepted this contract

Agreement

.....

(Signature, name and address of the supplier's authorized executive)

For and on behalf of .....

(Name and Address of the supplier)

.....

(Seal of the supplier)

Date:

Place:

## **CHAPTER - IV**

### **OTHER STANDARD FORMS**

#### **QUESTIONNAIRE**

BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME SHOULD BE ANSWERED WITH THE REMARK "NOT APPLICABLE". BIDDERS MAY PLEASE NOTE THAT IF THE ANSWERS SO FURNISHED ARE NOT CLEAR AND/OR ARE EVASIVE, THE BID WILL BE LIABLE TO BE IGNORED.

1. Bid No.....Date for bid opening on.....
2. Offer is open for acceptance .....
3. Brand of goods offered :
4. Name & address of manufacturer :
5. Station of Manufacture :
6. What is your permanent Income Tax A/C no.
7. Confirm whether you have attached your :  
latest/current ITCC or certified photocopy thereof. :
8. Status
  - (a) Are you currently registered with the Directorate General of Supplies & Disposals (DGS&D) for the item(s) quoted? If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
  - (b) Are you small scale unit currently registered with the National Small Industries Corporation (NSIC) under Single Point Registration Scheme for the item(s) quoted?. If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
  - (c) If you are not registered either with NSIC or DGS&D, please state whether you are currently registered with Directorate of Industries of the State Government concerned, If so, indicate the date up to which you are registered and whether there is any monetary limit on your registration.
  - (d) Are you registered under the Indian Companies Act, 1956 or any other Act?

Please attach certified copy (copies) of the relevant registration certificate(s) in confirmation to your above answer(s).

9. Please indicate Name & full address of your Banker(s)

10. Whether you are:
- (i) Manufacturer of the goods quoted; or
  - (ii) Manufacturer's authorized agent for those goods.
11. State whether business dealings with you have been currently banned by any Ministry Dept. of Central Govt. or any State Govt.

Signature of Witness

Signature of Bidder

Name & address of Witness  
above

Full name, designation & address of the person signing

For and on behalf of M/s.

.....

(Name and address of the bidding firm)

## **BANK GUARANTEE FORM FOR BID SECURITY**

Whereas.....[name of bidder] (hereinafter called "the bidders") has submitted his bid dated.....[date] for the supply of.....(brief description of the relevant goods and services) (hereinafter called 'the bid').

KNOW ALL PEOPLE by these presents that WE..... (Name of the bank) having registered office at .....(full address) (hereinafter called "the bank") are bound unto.....(name of the purchaser) (hereinafter called "the purchaser") in the sum of..... (Amount in figures and in words) for which payment well and truly to be, made to the said purchaser, the bank binds itself, its successors and assigns by these presents.

Sealed With the Common Seal of the said bank this..... Day of .....2011....

THE CONDITIONS of this obligations are :

1. If the bidder
  - (i) Withdraws its bid during the period of bid validity specified by the bidder on the bid form; or
  - (ii) Does not accept the correction, of errors in accordance with the instruction to Bidders

OR

2. If the bidder, having been notified of the acceptance of its bid by the purchaser during the period of bid validity:
  - (i) Fails or refuses to execute the contract form, if required; or
  - (ii) Fails or refuses to furnish the performance security, in accordance with the Instructions to Bidders;

We undertake to pay to the purchaser up to the above amount upon receipt of its first written demand, without the purchaser having to substantiate its demand, provided that in its demand the purchaser will note that the amount claimed by it is due to it, owing to the occurrence of one or both of the above mentioned two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 60 (sixty) days after the period of bid validity and any demand in respect thereof should reach the bank not later than the above date.

.....  
Signature of the Bank

SEAL of the Bank

**Date:** .....

**Place:**.....

## **MANUFACTURER'S AUTHORIZATION FORM**

To

.....

.....

(Name and address of the purchaser)

Dear Sirs,

Ref. Your Bidding Documents No.....

We..... who are established and reputable manufacturers of.....(name and description of the goods offered in the bid) having factories at.....hereby authorize Messrs.....(name and address of the agent) to submit a bid, negotiate (as and if necessary) and conclude the contract with you against your above mentioned Bidding Documents for the above goods manufactured by us.

No company or firm or individual other than Messrs..... (name and address of the above agent) is authorized to bid, negotiate and conclude the contract against this specific Bidding Documents for the above mentioned goods manufactured by us.

We hereby extend our full guarantee and warranty as per clause 15 of the General Conditions of Contract, read with modification, if any, in the Special Conditions of Contract for the goods and services offered for supply against this Bidding Document by the above firm.

Yours faithfully,

.....

.....

(signature, name and designation)

for and on behalf of Messrs.....

(Name & address of the manufacturer)

Note: This letter of authorization should be on the letterhead of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

## **BANK GUARANTEE FORM FOR PERFORMANCE: SECURITY**

To

.....

.....

(Name and address of the purchaser)

WHEREAS.....(name and address of the supplier) (hereinafter called "the supplier") has taken, in pursuance of contract No..... dated ..... to supply ..... (Description of goods and services) (Hereinafter called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a recognized bank acceptable to you, for the sum specified therein as security for compliance with its (supplier's) obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of ..... [amount of the guarantee in words and figures], such sum being payable in the types and proportions of currencies in which the contract price is payable, and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of [amount of guarantee] as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We further undertake to pay you the sum so demanded notwithstanding any dispute or disputes raised by the supplier in any suit or proceedings pending before any court or tribunal relating thereto liability under this present being absolute and univocal.

We also hereby waive the necessity of your demanding the said amount from the supplier before presenting us with the demand.

We further agree that you shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the contract or to extend the time of performance by the supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by you against the supplier and to forbear or enforce any of the terms and conditions relating to the contract and we shall not be relieved from our liability under this guarantee.

This guarantee shall be valid and shall remain in force until.....day of ..... 20.....

Dated the..... day of.....2011

for .....

(Name of the Bank)

Signature.....

Name of the officer.....

(in Block letters)

Designation of the officer ..... Code No.....

Name of the Bank and full address.



**CHAPTER - V****SCHEDULE OF REQUIREMENTS**

There are three parts under Schedule of Requirements.

**Part -1**

1.	Name of the Equipment-Automatic Weather Stations
2.	Quantity- 100 Nos
3.	Complete Technical specifications as detailed below:

## **Tender document for installation of 100 Automatic Weather Stations (AWS) across the Country**

### **Technical Specification**

The tender is floated to establish the following major components

- A. Sensors for weather observation
- B. Data Logger and power unit
- C. Communication unit
- D. Fencing and civil works

The detailed specifications, which are minimum requirement for above components, are given below;

#### **A. SENSORS FOR WEATHER OBSERVATION**

All the sensors shall have traceability to National Institute of Standards and Technology (NIST), USA or equivalent International accreditation standards. The sensor specifications for recording each of the above weather variables are given below;

##### **1. Air Temperature**

- a) Range :  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- b) Accuracy :  $\pm 0.3^{\circ}\text{C}$  or better (with radiation shield)
- c) Resolution :  $+ 0.1^{\circ}\text{C}$
- d) Sensor Type : Resistance / Thermistor
- e) Response Time : 10 sec or better

##### **2. Relative Humidity**

- a) Range : 0 to 100% RH
- b) Accuracy :  $\pm 2\%$  or better
- c) Resolution : 1%
- d) Sensor Type : Capacitive / Solid-state
- e) Response Time : 10 sec. or better

##### **3. Solar Radiation**

- a) Range : 0 to  $\sim 1750 \text{ W/m}^2$
- b) Operating Temperature :  $-10^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- c) Resolution:  $1 \text{ W/m}^2$
- d) Accuracy:  $1 \text{ W/m}^2$

##### **4. Rainfall**

- a) Range : 0 to 500 mm per hour
- b) Accuracy :  $\pm 2\%$
- c) Resolution : 0.2 mm
- d) Sensor Type : Tipping bucket rain gauge or other suitable sensor

##### **5. Wind Speed**

- a) Range (operation) : 0 to 50 m/sec or 0 to 180 km/hr
- b) Accuracy :  $\pm 0.5 \text{ m/s}$  or better
- c) Resolution : 0.1 m/s or 0.36 km/hr
- d) Threshold : 0.2 m/sec

##### **5. Wind Speed**

- a) Range (operation) : 0 to 50 m/sec or 0 to 180 km/hr
- b) Accuracy :  $\pm 0.5 \text{ m/s}$  or better
- c) Resolution : 0.1 m/s or 0.36 km/hr
- d) Threshold : 0.2 m/sec

## 6. Wind Direction

- a) Range : 0 to 359<sup>0</sup>
- b) Accuracy :  $\pm 5^0$  or better
- c) Resolution : 1<sup>0</sup>

## 7. Evapotranspiration

- a) Units: mm/hr
- b) Equation: Penman-Montieth
- c) Crop factor: User adjustable
- d) Calculation: Auto calculation and logging

## B. DATA LOGGER AND POWER UNIT

The data logger shall automatically collect the observations from attached sensors, process the same, store them into its memory as per the pre program and data shall be transmitted through GSM / GPRS communication to the receiving unit setup at CRIDA, Hyderabad. The number of analog/digital/SDI channels in the data logger must be 15 or more.

The data logger should perform the following tasks;

- ☐ Memory capacity to retain at least one year's data of all the parameters. Data shall be available even if the power supply to the system has failed (RAM Backup) for six months.
- ☐ The stored data shall be retrievable via serial port to a PC/laptop or any other compact and commercially available solid-state memory device.
- ☐ The system shall allow the remote access via communication unit from the base station to know the status of sensors and check log files through a software solution as required and shall have selectable options.
- ☐ The system shall have a weather-proof housing and a suitable tower of galvanized iron / non-rusting / rust resistant material.

## Power Supply

- a) Battery: Single 12 V chargeable maintenance-free battery ~ 25 AH capacity or higher to accommodate power consumption by GSM / GPRS modem and accessories. Back-up battery: Sealed lithium 12 V battery of ~ 5 AH capacity or other suitable one.
- b) Charge controller: Internal or External
- c) Solar panel: Rated capacity 20W, Open circuit voltage: 21 V, Short circuit current 2.4 A.

## C. COMMUNICATION UNIT

Overall requirements for compatibility to a GSM /GPRS cellular network may be ensured by the tenderer. Complete end-to-end solution shall be the responsibility of the tenderer. The tenderer has to identify a GSM provider who is offering GPRS service and willing to give special service because of the nature of requirement and public utility of the data transfer. They can negotiate with the service provider for a server management for this specialized task.

**Storage:** Should have adequate memory to store the periodical data received from AWS data logger and transfer. It should also contain configuration information about details of the GSM / GPRS Communication Unit

**Data Compression:** Data stored in the memory should be in a compressed format for maximum efficiency.

**Data Recording:** Should support recording interval as low as 1 sec and it should be user selectable. The storage details have to be communicated to the server and an interface should be provided to manage the storage space of communication unit from the server.

## Data transmission through GPRS

The system should be able to send the collected and stored weather data to the data server through GPRS in a compressed format. The data transmission interval should be configurable over the air and any new transmissions should happen as per the newly configured interval. Whenever there is a break in the transmission due to the signal coverage, the system should try repeatedly and send the data back to the server ensuring zero data loss. Any failure in GPRS data transmission to the Primary IP should automatically attempt data transfer to the Secondary IP. During a signal loss condition, the system should keep trying for the transmission and resume the transmission once the GPRS network is available.

- The main data hub should only be at CRIDA, Hyderabad and both hardware and software components should be maintained by the firm personnel by posting a competent person at CRIDA, Hyderabad throughout the contract period. Individual stations data should be accessible to the authorized staff working at respective locations.

#### **Website Design and Development**

Weather data received at CRIDA server has to be displayed in the web to serve various requirements of the user community, in general and scientific community in particular. Hence, the tenderer has to submit their tentative proposal on website design and the information how it would be display indifferent pages. However, the technical description on website design and development would be finalized after discussing with the CRIDA technical team and would be a mutually agreed decision.

#### **D. FENCING AND CIVIL WORKS**

- Installation of 100 AWS would be carried-out in different states in the country. The list of locations would be given to the successful bidder. An appropriate area will be provided in each site for AWS installation. All the AWS should be protected with galvanized iron (GI) fence supported by GI angles erected using required cement concrete. The structural specification to be followed by the tenderer like mesh size and thickness should be explicitly declared in the bid for ascertaining the strength of the fence.
- The lay out and drawings related to the installation and all civil works should be appended along with Technical Bid.
- A lightning arrester also need to be provided for all AWS units. Earthing pit shall be laid out as per Government standards.
- Fencing and mast should be painted with good quality white paint.

### **TENDER TERMS AND CONDITIONS**

#### **Technical (A)**

1. Pre-conditions for participating in the tender:
2. conditions for participating in the tender:
  - The tenderer should have installed at least 100 AWS or more on a whole network basis and must be under working condition for the last five years, which are actually used by the reputed agencies. A proof in this regard has to be submitted along with Technical Bid. The tenderer should prove by supportive evidence.
    - a) Number of service centers across the country.
    - b) Number of Service Engineers available.
    - c) Number of years standing in the business.
    - d) Average turnover in the last three years.
    - e) Backup facility for the warranty period.
    - f) Company Profile.
    - g) Any other relevant details in support of the items specified.
3. The installation should be completed as per the specifications within the stipulated period mentioned in the supply order; otherwise, the order will be cancelled.
4. After the warranty period the details on Annual Maintenance Contract (AMC) should be indicated clearly. The schedule of AMC has to be indicated for further period of four years clearly mentioning the requirement for each year. The AMC should also include sensor calibration / replacement and painting requirement and overall maintenance. The right to enter in to AMC lies with CRIDA.
5. Penalty: If data is not recorded in the logger due to any reasons for more than 3 days, would be charged Rs. 500/- per day per location for the first 10 days and there after Rs. 5,000/- per day. Whereas, failure in data transmission to central server at CRIDA for more than 7 days (except during severe natural calamities) would be charged Rs. 1000/- per day per location. Under the conditions of any force majeure, the final decision would lies with the Director, CRIDA.

6. The successful tenderer will be provided with list of locations and address details where AWS needs to be installed. These details are given only to help the successful tenderer to locate the site. All other transport and civil work cost will be borne by the contractor only.
7. The Bids will be evaluated by the committee for the specification requirements immediately after opening. The successful firm will be asked to install one Demonstration Unit in any one of the places allotted by CRIDA within 15 days. Under any circumstances failing of successful demonstration within 30 days by the first successful bidder, will be treated as cancelled and the second successful bidder would be given the offer.
8. Total expenditure incurred during the contract period (end-to-end) to perform getting weather data from all the 100 weather stations satisfactorily would be borne by the successful bidder only.
9. During the warranty period/AMC the representative of the company should visit each individual Automatic Weather Station (AWS) and submit certificate about the functioning of AWS.

### **General (B)**

A letter of credit will be open against in favour of the supplies on finalization of the contract. The final LC will be released only after complete and satisfactory implementa

**4. Consignee Details:** 100 locations across the Country with main center at Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad-500 059, A.P. India.

## **CHAPTER-VI**

### **TECHNICAL SPECIFICATION AND QUALITY CONTROL REQUIREMENTS**

#### **General specifications for all the listed equipments:**

Quotes are requested from only reputed companies with proven track record of effective and timely technical service with dedicated service engineers. Preferably warranty for a period of at least three years should be provided beyond which there should be scope for AMC. Complete information regarding the technical specifications of the equipments must be provided in the form of printed technical brochures along with information of relevant internet webpage so that the claimed specifications could be verified. **Companies are required to provide information regarding the technical support people who could be contacted in case of any doubts regarding the functioning of the equipment and if possible could arrange for demonstration of the equipment's capabilities.** List of end users with contact details like phone numbers and email addresses should be provided. All the equipments should be capable of functioning under tropical conditions that is prevalent in Hyderabad. It is the responsibility of the company to ensure proper demonstration of all the capabilities of the equipments to the satisfaction of the end user. If there are parts of the equipment which have shorter life, then spares of such parts should be quoted so that one could be in readiness to allow smooth and continued functioning of the equipment.

#### **Part -2 of Schedule of Requirements (Chapter -4)**

The following specific data and conditions for the goods to be purchased shall complement, supplement or modify the corresponding provisions in the Instruction to Bidders (ITB). In case of any conflict, the stipulations incorporated here will prevail over the stipulations contained in the ITB.

#### **A. Introduction**

ITB clause 1.1.            Name of the purchaser: Director, CRIDA, Santoshnagar, Hyderabad

#### **B. The bidding documents**

Purchaser's mailing address: Director, CRIDA, Santoshnagar, Hyderabad-500059.

#### **C. Preparation of bids**

Part 1 schedule of Requirements.

#### **D. Award of Contract**

ITB clause 27.1. The purchaser may at its discretion vary quantity of the goods/equipment at time of award of contract to the tune of plus/minus 25%.

ITB Clause 8.2. The price quoted shall be as per ITB clause 8.2.I for goods offered from within India and 8.2.II (b) for goods offered from abroad.

ITB clause 8.2.1(d) The incidental services to be provided are specified in the Part-1 of Schedule of Requirements.

ITB clause 11.2(b) “The bidder should have successfully manufactured and supplied at least 50% (fifty percent) of the required quantity of goods under this invitation for bids during the last two years counted from the date of bid opening. The bidder shall also furnish certified documentary evidence to this effect including all relevant details”.

ITB clause 13.1. The amount of bid security shall be as indicated in the IFB Invitation For Bids.

### **C. Submission of Bids**

ITB clause 15.1. Number of copies required is one (1) in addition to original copy of the bid.

ITB clause 16.2(b) Time and date of Technical bid opening are 15.00 Hrs on \_\_\_\_\_. The financial bid opening on \_\_\_\_\_ at 15.00 Hrs., subject to confirmation over Phone/Fax/Letter from this Institute.

ITB clause 17.1. Deadline for submission of bids is 14.00 Hrs. on \_\_\_\_\_.

Receipt of bids through tender box only no separate acknowledgment will be issued.

In the event of the above specified date being declared a holiday for the purchaser, the bids will be received up to the appointed time on the next working day.

### **D. Bid opening and bid evaluation**

ITB clause 23.5. The bid evaluation will take into account the bid price quoted in accordance with ITB clause 11 and clause 27.

ITB clause 23.5(b) The delivery schedule is as indicated in the

#### **Part -3 of Schedule of Requirements (Section-IV)**

#### **Table of Clauses**

#### **Part-3 of Schedule of Requirements (Section –IV)**

The following special conditions shall supplement the General Conditions of Contract provided under section III. In case of any contradiction or conflict, the conditions provided herein shall supersede the corresponding conditions in the GCC.

**1. Inspection and Tests**

Goods will be inspected at purchaser's premises/destination before acceptance.

**2. Insurance (GCC Clause 12.2)**

Where as delivery is on FOB basis the insurance shall be responsibility of the purchaser.

**3. Distribution of dispatch Documents (GCC Clause 13)**

The suppliers should produce documents as listed in GC clause 13.b (I) to (V) & (VII) for goods supplied from within India and documents required for goods supplied from abroad as per GCC Clause 13 a (i), 13 a (ii) original copies of negotiable Bill of Lading / House Air Way Bill (HAWB) issued by the authorized shipping agent at abroad as nominated by the purchaser through their cargo consolidation agent as the delivery is on FOB basis.

**4. Warranty (GCC Clause 16)**

The period for repairing/replacing the defective goods in terms of GCC sub-clause 16.4 and 16.6, shall be 4 (four) weeks.

**5. Resolution of disputes (GC Clause 28)**

As per provision made in GCC clause 28, the value of the contract itself will decide whether it will attract sole arbitration or arbitration by three arbitrators.

**6. Packing: (GCC 9.3.h)**

**Wooden Packages:** With packing material any kind of material of plant origin used for packing, which includes hay, straw, wood shavings, wood chips, saw dusts, wood waste, wooden pallets, dunn age mats, coir pith, peat or sphagnum moss etc. and import into India by Air, Sea require PHYTOSANITARY CERTIFICATE from the Country of Origin. THIS IS MANDATORY. The supplier should strictly follow the provisions of "The Plant Quarantine (Regulation of Import into India) order 2003, this can be obtained by visiting [www.plantquarantineindia.org](http://www.plantquarantineindia.org).

**7. Prices (GCC Clause 18)**

This office is exempted from payment of the customs duty/central excise vide DSIR Regn. No: TU/V/RG-CDE/(372)/2006 date.14.06.2006 valid up to 31.08.2011, in terms of Government of India notification nos:51/96-customs dt. 23.07.1996 and 10/97-central excise date 1.3.1997 for availing exemptions for customs duty/central excise.

No form "C" and "D" will be issued.



## **CHAPTER -VII**

### **BID FORM AND PRICE SCHEDULES**

Date.....

To

.....

.....

(Designation and address of the purchaser)

Ref. Your bidding documents No..... dated .....

Having examined the above mentioned bidding documents, including' addenda Nos ..... (if any), the receipt of which is hereby duly acknowledged, we the undersigned, offer to supply and deliver....(description of goods and services) in conformity with the said bidding documents for the sum as shown in the price schedules, attached herewith and made part of this bid.

We undertake, if our bid is accepted, to deliver the goods and complete the services in accordance with the delivery schedule specified in the Schedule of Requirements after fulfilling all the applicable requirements incorporated in the above referred bidding documents.

If our bid is accepted, we will provide you with performance security as per the instructions specified in GCC clause 7 and in a form acceptable to you in terms of GCC clause 7.5 for a sum equivalent to 10 %(ten percent) of the contract price for the due performance of the contract.

We agree to abide by this bid for the bid validity period specified in the ITB cause 15.(read with modification, if any ) or for the subsequently extended period, if any, agreed to by us and it shall remain binding up on us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid together with your written acceptance thereof and your notification of award, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this..... day of....., 2011

Signature

(in the capacity of)

Duly authorized to sign bid for and on behalf of

1	2		3	4	5					6	7	8
					price per unit							
Schedule No.	Item description	country of origin	accounting unit & quantity	ex-fact Qty/ex-warehouse / ex-showroom off-the shelf	Excise duty if any	Packing and forwarding	In land transportation	Insurance, other duties and taxes, if any (other than sales tax) and incidental costs	Incidental services (including supervision)	Overall unit price	Total price	Sales tax payable, if contract is awarded
				(a)	(b)	(c)	(d)	(e)	(f)	(a+b+c+d+e+f)	3 x 6	

Signature of bidder

Business address

Date :

- i. In case of discrepancy between unit price and total price, the unit price shall prevail
- ii. If nothing to the contrary to this effect is mentioned under Section V (Technical Specification and Quality Control Requirements), the bidder shall give list of spare parts for two years operation separately indicating description, quantity, unit price and total price in the above format for those items whose scope of supply includes spare parts as per ‘Technical Specifications’ give in Section V.

# **PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD**

1	2	3	4	5				6	7	8	9	10
				price per unit								
Schedule No.	Item description	country of origin	accounting unit & quantity	Unit price FOB port of loading	Unit price CIF at port of entry	In land transportation charges, insurance and other local costs incidental to delivery, if specified	Incidental services (including supervision)	Overall unit price	Total price	Indian agent's Name	Indian agents commission as a % of FOB price included in the quoted price	Shipment weight and volume
				(a)	(b)	(c)	(d)	(b+c+d)	4 x 6			

### **CHECK LIST**

(All the pages of the bid should be Serial Numbered and Signed / Initialed)

Sl. No.		Activity	Yes/No/NA	Page no. in the bid
1	(a)	Bid security for required amount		
	(b)	Bid security in the form of		
	(i)	Bank Guaranty as per format in bidding document		
	(ii)	Draft or Banker's cheque issued by Nationalized Bank		
	(c)	Validity date of bid security (valid for 45 days beyond days as per ITB clause)		
	(d)	Amendment in Bid security (if any)		
2		<b>Contact details of the issuing bank for the purpose of verifying the authenticity of the bid security</b>		
3	(a)	Bid form duly signed		
	(b)	Power of attorney in favor of the signatory		
4	(a)	Certificate of incorporation of Manufacturer		
	(b)	Documentary proof that bidder is in continuous business of manufacturing / Supplying of equipments during the last 5 years prior to bid opening		
	(c)	Performance statement		
	(d)	Documents to support that bidder has an established quality program me		
	(e)	Documents to support that bidder has requisite inspection facilities		
	(f)	Certificate by auditor of average turnover for last 5 fiscal years		
	(g)	Copies of balance sheet and profit/loss statement and other financial documents (please specify) certified by the auditor for specified fiscal years		
5		Documents defining the constitution or legal status place of registration, and principal place of business; <b>written power of attorney</b> of the signatory of the bid to commit the bidder		
6		Disclosure about any adverse past performance instance of debarment/blacklisting etc.		

7		A write up on your production capabilities		
8		Legally valid joint venture agreement for joint venture company, if applicable		
9		No deviation statement on technical specification		
10		Checklist of technical specification		
11	(a)	Agreement with al terms and condition of the bid document		
	(b)	If no, have you indicated deviations		
12	(a)	Mentioned price in the appropriate proforma		
	(b)	Details of EXW prices (if applicable)		
	(c)	Conditional or unconditional discount mentioned in the bid (if any)		
13		Undertaking that proprietor/director/employee etc of the bidder has not been convicted by a court of a law and firm does not employ a government servant dismissed/removed on account of corruption		