



**CENTRAL ARID ZONE RESEARCH INSTITUTE**  
(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)  
**Jodhpur (Rajasthan) 342 003**  
Tel. No. 0291-2786584 (Dir.) 2786485 (CAO) 2787152(AAO) Fax No. 0291- 2788706



**F. No. 4(15)2013-14/Admn.IV/**

**Dated: 26.11.2013**

**TENDER NOTICE**

On behalf of Director, Central Arid Zone Research Institute, Jodhpur, sealed tenders are invited from the firms of repute for purchase of Scientific/laboratory equipments etc. The reputed manufactures/Indian agents (on behalf of their foreign principals) may obtain tender form along with specifications etc. from the office of the Assistant Administrative Officer (Stores), CAZRI, Jodhpur on payment fee (non-refundable) of Rs. 500/- towards the cost of tender form. The sealed tenders (Technical Bids & Financial Bids) complete in all respect with terms and conditions alongwith Bid security (EMD) as per tender documents may be submitted on or before schedule date and time as mentioned below. The list of scientific equipments etc. other details, tender documents/form, including specifications is available in the Institute website <http://www.cazri.res.in>.

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|---|--|
| <b>1. Last date of sale of tender form</b>  | <b>: 19.12.2013 upto 11.00 a.m.</b>                |
| <b>2. Last date of acceptance of tender</b> | <b>: 19.12.2013 upto 2.30 p.m.</b>                 |
| <b>3. Date of opening of technical bids</b> | <b>: 19.12.2013 at 3.00 p.m.</b>                   |
| <b>4. Date of opening of financial bids</b> | <b>: After finalization of the Technical bids.</b> |

Asstt. Administrative Officer(S)  
for Director



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**TENDER NOTICE**

On behalf of ICAR (Director, Central Arid Zone Research Institute, Jodhpur), sealed tenders are invited from the firms of repute for the purchase of the following equipments for this Institute.

S.No.	Name of item	Quantity	Estimated Cost (in lakhs)
1	LCD Projector with Computer & UPS	01	2.00
2	Micro irrigation system	01	1.00
3	Torque Meter / Brake Dynamometer	01	0.85
4	Fibre analyzer (Fibre bag system) (Automatic)	01	3.00
5	HPLC	01	16.00*
6	High Speed Centrifuge	01	5.00
7.	Water Purification System	01	5.00
8.	Compound Research Microscope	01	20.00*
9.	Wire Fencing	As per schedule	10.00
10.	PV Panels	01	6.00
11.	Tractor with Laser leveller	01	11.00
12	P&F Chain link fencing in Agronomy Block	As per schedule	4.92
13	Construction of Germplasm processing & Storage facility unit	As per schedule	9.94

Bona fide and reputed manufacturers/Indian agents (on behalf of their foreign principles) may obtain tender form along with specifications etc. from the office of the Assistant Administrative Officer (Stores), CAZRI, Jodhpur on payment of fee Rs. 500/- (non-refundable) towards the cost of tender form for each item either by cash or through Bank Draft as mentioned above during the working days up to 18.12.2013 and upto 11.00 a.m. on 19.12.2013 as mentioned below. Manufacturers/Indian agents who desire to obtain the tender form by post may send the fee through Bank Draft in favour of ICAR Unit – CAZRI, Jodhpur well in advance. The tender documents including specifications and forms are also available in the Institute web site <http://www.cazri.res.in>. The bidders may download the tender form from the website and submit the same along with requisite fee for tender document through Bank Draft. Interested bidders may quote their rate as per the terms of the tender document along with Earnest Money Deposit (Bid Security) @ 5% of the rate quoted by the firm as per estimated value of the equipment as mention in tender document for each item in the form of Bank Draft drawn in favour of “ICAR Unit-CAZRI, Jodhpur”, otherwise Bids will not entertained. The tender form should be submitted as per following schedule.

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|--|--|
| 1. Last date of sale of tender form          | : 19.12.2013 up to 11.00 a.m.              |
| 2. Last date of acceptance of tender         | : 19.12. 2013 up to 2.30 p.m.              |
| 3. Date of opening of tender(Technical bids) | : 19.12.2013 at 3.00 p.m.                  |
| 4. Date of opening of tender (financial bid) | : After finalization of the Technical bids |

**Note:** \*The firms who quoted the rate for item No. 5 (HPLC) and item No. 8 (Compound Research Microscope) will requires to give technical demonstration.

Indian Agents of the foreign principles may submit their offer/tender along with original proforma invoice from their foreign principles. The vendors may send tender duly completed in all respect as per instruction contained in the tender documents. Incomplete tenders or tenders received beyond date/time notified above shall be out-rightly rejected. The Institute will not be held responsible for any postal delay.

Asstt. Administrative Officer(S)  
for Director

## **SECTION II – INSTRUCTION TO BIDDERS [I T B]**

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## **INSTRUCTION TO BIDDERS {I T B}**

### **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 “the purchaser”

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

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

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

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

### **B. THE BIDDING DOCUMENTS**

#### **4. Content of bidding documents**

- 4.1 The goods required, bidding procedures and contract terms are prescribed in the bidding document. In addition to the Invitation for Bid, the bidding documents include:
- a) Instruction of 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) Manufacture's Authorization Form
  - i) Bank Guarantee Form for Performance Security
  - j) Contract Form
- 4.2 In case of any contradiction between the stipulations made in ITB & GCC and Schedule of Requirements, the stipulation incorporated in the Schedule of Requirements will prevail over the corresponding stipulations contained in the ITB and / or GCC.

- 4.3 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 document in every respect will be at the bidder's risk and may result in rejection of its bid.

## **5. Clarification of bidding documents**

- 5.1 A prospective bidder requiring any clarification in connection with the bidding documents may notify the purchaser in writing or by telex or cable at the purchaser's mailing address indicated in the Schedule of Requirements. The purchaser will respond in writing to any request for clarification of the bidding documents, which it receives no later than 21 (twenty one) days prior to the deadline for submission of bids prescribed by the purchaser. The purchaser, at its discretion, may send the relevant text of this correspondence (without identifying the source of inquiry) to all the prospective bidders, which have received the bidding documents.

## **6. Amendment of bidding documents**

- 6.1 At any time prior to the deadline for submission of bids, the purchaser may, for reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by amendment.
- 6.2 The amendment will be notified in writing or by telex or cable to all prospective bidders, which have received the bidding documents and will be binding on them.
- 6.3 In order to provide the prospective bidders with reasonable time in which to take the amendment into account in preparing their bids, the purchaser may, at its discretion, extend the deadline for the submission of bids and other allied time frame having linkage with that deadline.

# **C. PREPARATION OF BIDS**

## **7 Language of bid**

- 7.1 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser; shall be written in English language. Supporting documents and printed literature furnished by the bidder may be written in other languages, provided they are accompanied by an English translation of their relevant passages in which case, for the purpose of interpretation of the bid, the English translation shall govern.
- 7.2 The bid submitted by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser; may also be written in Hindi language, provided that the same is accompanied by an English translation, in which case, for the purpose of interpretation of the bid, the English translation shall govern.

## **8. Document constituting the bid**

8.1 The bid submitted by the bidder shall comprise of the following documents:

- a) A bid form and a price schedule in accordance with ITB clause 9, 10 and 11.
- b) Documentary evidence established in accordance with ITB clause 13 that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted.
- c) Documentary evidence established in accordance with ITB clause 14 that the goods and ancillary services to be supplied by the bidder conform to the bidding documents.
- d) Bid security furnished in accordance with ITB clause 15.
- e) The questionnaires (Attached as Annexure.....with the bidding documents) duly filled in.

**Note:** A bid, which does not fulfill any of the above requirements and / or gives evasive information /reply against any such requirement, shall liable to be declared unresponsive and summarily rejected.

## **9. Bid form**

9.1 The bidder shall complete the bid form and the appropriate price schedule furnished in the bidding documents in section IX/1, indicating, inter alia, for the goods to be supplied, a brief description of the goods, their country of origin, quantity and prices.

## **10. Bid Prices**

10.1 The bidder shall indicate on the Price Schedule the unit price and total price of the goods it proposed 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.

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

1. For goods offered from within India:-

- a) The price of the goods, quoted 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) Chares for inland transportation, insurance and other local costs incidental to delivery of goods to their final destination. The final destination is specified in the Schedule of Requirements.

and

- d) the price of incidental services as and if listed in Schedule of Requirement.
- 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 form 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) Changes 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.

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

10.4 The bidder's separation of the price components in accordance with ITB clause 10.2 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.

- 10.5 Prices quoted by the bidder shall remain firm and fixed during the currency of contract and not subject to variation on any account, unless otherwise specified in the Schedule of Requirements if the requirement is for fixed price bid, a bid submitted with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB clause 23.

## **11. Bid currencies**

- 11.1 For domestic goods prices shall as quoted in Indian rupees only. Commission of Indian Agent, if payable, shall be quoted in India Rupees only in a manner as specified in ITB Clause No. 12.2 For imported goods prices shall be quoted other in Indian rupees or in the currency of the country of origin of goods. Bids, where prices are quoted in any other in any other way shall be treated as non-responsive and rejected.

## **12. Indian Agent**

- 12.1 If a foreign bidder has engaged an agent in India in connection with its bid, it will be required to give the following information issue bid:
- I. The name and address of the Indian agent with their permanent income tax number.
  - II. The details of the services the agent will render
  - III. The amount of remuneration for the agent, included in the FOB component of the bid price.
- 12.2 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.

## **13. Documents establishing bidder's eligibility and qualifications**

- 13.1 Pursuant to ITB clause 8, the bidder shall furnish, as part of its bid, documents establishing the bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.
- 13.2 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 authorization form in section VII/3) by the good's manufacture 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 indicated in the Schedule of Requirements.



- 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 supplier's maintenance, repair and spare parts stocking obligations prescribed by the conditions of contract and/ or technical Specification
- d) One agent cannot represent two suppliers or quote on their behalf in a particular tender.

**14. Documents establishing good's eligibility and conformity to bidding document.**

- 14.1 Pursuant to clause 8, the bidder shall furnish, as part of its 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.
- 14.2 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.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding document may be in the form of literature, drawings, data etc. and shall consist of:
  - a) a detailed description of the goods' 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 purchaser's Technical Specification's 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':
- 14.4 For purposes of the commentary to be furnished to ITB clause 14.3c 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 demonstrates to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those mentioned in the 'Technical Specification'
- 14.5
  - (a) In case of expensive equipments (>10 lacs) and above all the bidding firms may be asked to give a technical demonstration to the members of purchase committee including indenter before finalizing technical bid.
  - (b) The firms may be asked to provide a certificate indicating satisfactory performance of the same equipment from at least three users in India and abroad.
  - (c) To preclude the estimation of cost of the equipment before opening the financial bid, the firms may be asked to provide EMD equivalent to 5% of the estimated cost of the equipment of the tender.

## **15. Bid Security**

- 15.1 Pursuant to clause 8, the bidder shall furnish as part of its bid, security of an amount specified in the Schedule of Requirements.
- 15.2 The bid security is required to protect the purchaser against risk or bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB clause
- 15.3 The bid security shall be denominated in the currency of the bid 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 favour 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.
- 15.4 Any bid from a bidder, not secured in accordance with ITB clauses 15.1 and 15.3 will be summarily rejected by the purchaser, as non-responsive, pursuant to ITB clause 24.
- 15.5 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 16, but barring any unforeseen circumstances, not later than 45 days of the award of contract.
- 15.6 The successful bidder's bid security will be discharged/returned upon the bidder signing and accepting the contract pursuant to ITB clause 33 and furnishing the performance security, pursuant to ITB clause 34.
- 15.7 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 24.2
  - b. in the case of successful bidder, if the bidder fails:
    - I. to accept and sign the contract in accordance with ITB clause 33; or
    - II. to furnish performance security in accordance with ITB clause 34.
- 15.8 If the firm is registered with National small Industries Corporation (NSIC) there is no need to submit EMD (Bid Security).**

## **16. Period of validity of bids**

- 16.1 Bids shall valid for acceptance for 90 (ninety) days after the date of bid submission prescribed by the purchaser, pursuant to ITB clause 19. A bid valid for a shorter period shall be rejected by the purchaser as non-responsive.
- 16.2 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 (or by facsimile or cable or telex, which will be followed by a signed confirmatory copy simultaneously). The bid security provided under ITB clause 15 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 its bid.
- 16.3 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.

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

- 17.1 The bidder shall prepare two copies of the bid, clearly making them " Original Bid" and "Duplicate copy of Bid" respectively. In the event of any discrepancy between them, the original shall govern.
- 17.2 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. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
- 17.3 Any interlineations, erasures or overwriting in the bid shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The front page of the bidding documents, containing the signature with date of the official (of the purchase organization) selling /dispatching the documents and 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**

### **18. Sealing and marking of bids**

- 18.1 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)
- 18.2 The inner and outer envelopes shall be:
- a) 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.....\*.....(\*The time and date of bid opening, as specified in the Bid Date Sheet shall be indicted here).
- 18.3 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.
- 18.4 If the outer envelope is not sealed and marked as required by ITB clause.
- 18.5 the purchaser will not assume any responsibility for the bid’s misplacement or premature opening.
- 18.6 Bids sent by Telegram, Telex, cable or facsimile are not acceptable and will be rejected.

### **19. Deadline for submission of bids**

- 19.1 Bids must be received by the purchaser at the address specified under ITB clause 18.2 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 bid will be ‘received up to the appointed time on the next working day. If the Schedule of Requirement provides for receipt of bids through “ tender box”. The bid shall be submitted accordingly as per the instruction given in the Schedule of Requirements.
- 19.2 The purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding document in accordance with ITB clause 6, 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.

## **20. Late bids**

- 20.1 Any bid received by the purchaser after the deadline for submission of bids prescribed by the purchaser, pursuant to ITB clause 19, will be rejected and /or returned to the bidder.

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

- 21.1 The bidder may modify or withdraw its bid after submitting the same, provided that written notice of the modification or withdrawal is received by the purchase prior to the deadline prescribed for submission of bids.
- 21.2 The bidders modification or withdrawal notice shall be prepared sealed, marked and dispatches in accordance with the provisions of ITB clause 18,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.
- 21.3 No bid may be modified subsequent to the deadline for submission of bids.
- 21.4 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the bidder in are bid form. Withdrawal of a bid during this interval may result in forfeiture of the bidder's security pursuant to ITB clause 15.7

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

### **22. Opening of bids by purchaser**

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

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

- 22.2 The representative of a bidder, who intends to attend the bid opening, shall bring with him/her a letter of authority 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 authority, the representative (S) will not be allowed to enter and attend the bid opening. The bidder's representative, who attend the bid opening, shall sign a register (which will be provided by the purchaser) evidencing their attendance.
- 22.3 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 its discretion, may consider appropriate will be announced at the opening.
- 22.4 The purchaser will prepare appropriate minutes of the bid opening for its official record.

## **23. Clarification of bids**

- 23.1 During scrutiny and evaluation of bids, the purchaser may, at its discretion, ask a 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.

## **24. Preliminary examination of bids-unresponsive, substantially responsive and responsive bids**

- 24.1 The purchaser will examine the bids to determine whether they are complete, whether the required bid validity is available, 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. While examining the bids, the purchaser will also keep in view the requirements as per ITB Clause 8.
- 24.2 Arithmetical errors, of 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 supplier does not accept the correction of such errors, its bid will be rejected.
- 24.3 Prior to the detailed evaluation pursuant to ITB clause 26, the purchaser will determine the substantial responsiveness of each bid to the bidding documents. A substantially responsive bid is one that conforms to all the requirements and terms & conditions of the bidding documents, including the specification and technical parameters of the goods as projected in the bidding document, without material deviation. Deviations form or objections or reservations to the bidding documents. Critical provision, such as those concerning bid validity. Technical specification, performance security, warranty obligations, Force measures taxes & duties and applicable law (governing the contract) will be deemed to be material deviations. Bids from an agent without proper authorization from the manufacture as per ITB clause 13.2 (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.
- 24.4 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 bidder.
- 24.5 The conclusion drawn by the purchaser as to the substantial responsiveness or otherwise of a bid or consideration of a minor infirmity of non-conformity or irregularity in a bid is final.
- 24.6 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.

## **25. Conversion to single currency**

- 25.1 To facilitate evaluation and comparison of bids, the purchaser will convert all bid prices expressed in the amounts in various currencies in which the bid price are payable, to Indian rupees at the BC selling market rate of exchange established by State Bank of India for similar transactions as on the date of bid opening.

## **26. Evaluation and comparison of bids**

- 26.1 The purchaser will evaluate and compare the bids, which have been determined to be substantially responsive, pursuant to ITB clause 24 for each schedule separately. The bid for a schedule will not be considered if the complete requirement covered in the schedule is not included in the bid. However, as stated in ITB clause 10, bidders are allowed the option to bid for any one or more schedule and to 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.
- 26.2 The comparison shall be on CIP destinations basis, duly delivered and commissioned (as the case may be) at the destination.
- 26.3 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.
- 26.4 The purchaser's evaluation of bid will also take into account the following factors in the manner and to the extent specified in Schedule of Requirements and amplified in ITB clause 26.5:
- 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

**26.5 Pursuant to clause 26.4, 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 price 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 cut lined 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.

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

- 27.1 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.
- 27.2 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 2 and 13, as well as such other allied information as the purchaser deems necessary and appropriate.
- 27.3 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.

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

- 28.1 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 or requirements without any change in the unit price or other terms and conditions.

## **29. Contacting the purchase**

- 29.1 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, it should do so in writing.
- 29.2 Any effort by a bidder to influence the purchase, 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**

### **30. Award criteria**

- 30.1 subject to ITB clause 28, 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 determiner to be qualified and prima facie capable to perform the contract satisfactorily.

### **31. Purchaser's right to accept any bid and to reject any or all bids.**

- 31.1 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 to contract, without thereby incurring any liability, whatsoever, to the affected bidder or bidders.

### **32. Notification of award**

- 32.1 Before the expiry of the period of bid validity, the purchaser will notify the successful bidder in writing, by registered letter or by cable/fax/telegram/telex to be confirmed 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 interalia, be mentioned in the notification.
- 32.2 The notification of award will constitute the formation of the contract.
- 32.3 Upon the successful bidder's furnishing the performance security, pursuant to ITB clause 34, the purchaser will promptly notify each unsuccessful bidder and will discharge its bid security, pursuant to ITB clause 15.

### **33. Signing of contract**

- 33.1 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.
- 33.2 Within twenty-one (21) days 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.

### **34. Performance security**

- 34.1 Within twenty-one (21) days issue of notification of award by the purchaser the successful bidder shall furnish the performance security in accordance with and as per the instructions incorporated in the general conditions of contract with regard to performance security.
- 34.2 Failure of the successful bidder to comply with the requirement of clause 33 or clause 34 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.

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## **GENERAL CONDITIONS OF CONTRACT (G C C)**

### **1. 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 a 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 and other such obligations of the supplier covered under a contract.
- i) "Purchaser" means the buyer named in a bidding document and in the corresponding contract, purchasing the goods ordered and includes its 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 a contract.
- k) "Supplier" means the individual or firm supplying the goods under a 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 contracts.

### **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, a 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 goods' country of origin.

#### **5. USE OF CONTRACT DOCUMENTS AND INFORMATION**

- 5.1 The supplier shall not, without the purchaser's prior written consent, disclosed 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, to any person other than a person employed 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 (in 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 thirdparty 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 of 10% (ten per cent) of the contract value, valid upto 60 (sixty) days after 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) Cash in Indian Currency
  - b) Demand Draft on any scheduled commercial bank in India, to be drawn in favour of the purchaser as indicated in the Schedule of Requirements.
  - c) Bank Guarantee issues 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 obligations under the contract.
- 7.6 Subject to GCC sub-clause 7.4 above, the performance security will be discharge by the purchaser and returned to supplier on completion of the supplier's contractual obligations including the warranty obligations under the contract.

## **8. INSPECTION AND TESTS**

- 8.1 The purchaser and/or its nominated representative(s) shall have the right to inspect and/or to test the goods to 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 conducted. 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 its subcontractor(s), at the point of delivery and /or at the goods' final destination. If conducted on the premises of the supplier or its 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 charge 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 its 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 their damage or deterioration during their 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 size 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 goods' 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 its 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 delivery the goods F.O.B. transportation of the goods, up to and including the point of putting the goods on board the vessel at the specified port of loading, shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.

11.2 Where the supplier is required under the contract to delivery the goods CIF or CIP, 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 or by the supplier and the cost there of shall be included in the contract price.

11.3 Where the supplier is required under the contract to delivery 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. Where the



supplier is required under the contract to deliver the goods F.O.B. and also to arrange on behalf and at the expense of the purchaser 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 arrange part-shipments and /or transshipment without the 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 this clause (viz. GCC clause 12).
- 12.2. Where delivery of the goods is required by the purchaser on CIF or CIP basis, the supplier shall arrange and pay for the cargo insurance, naming the purchaser as the beneficiary. Where delivery is on FOB basis, the insurance shall be the responsibility of the purchaser.
- 12.3 In the case of a contract of CIF or CIP basis, the insurance shall be for an amount equal to 110% (one hundred and ten per cent) of the CIF or CIP value of the goods from " warehouse to ware house" (final destination) on "all risks" basis including war risks and strikes.

## **13. DISTRIBUTION OF DESPATCH 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 its 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 I the contract and subject to the same, the instructions in this regard will be as indicated below:



a) For goods supplied from abroad:

Within 24 hours of shipment, the supplier shall notify the purchaser and its 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 number and date/airway bill 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 air-mail the specified number of copies of the following documents to the above authorities:

- i) suppliers 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;
- iii) Copies of packing list identifying the contents of each package;
- iv) Insurance certificate;
- v) Manufacturer's /supplier's warranty certificate;
- vi) Pre-despatch 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 will be responsible for any consequent expenses.

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-despatch inspection certificate issued by the purchaser's nominated inspection agency (is 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) furnishing 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. 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.

14.2 Price 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 may be required to provide any or all 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:
    - i) advance notice to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
    - ii) immediately following such termination, furnishing at no cost to the purchaser, the blueprints, drawings and specifications of the spare parts, if requested.
- 15.2. Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spares for the goods. 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 of 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 or omission of the supplier, that may develop under normal use of the supplier 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 a 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 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 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 remedy 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 expense 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 its 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:
- 90% of the contract price shall be paid through irrevocable letter of credit established in favour of the foreign supplier in a scheduled commercial bank in India or a bank in the supplier's country acceptable to the purchaser, upon submission of the following documents:
- a) Certified copy of the fax sent by the supplier to the purchaser and other 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 marked freight pre-paid consigned to the interim/port 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 blank 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-despatch 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 documents have been sent to all concerned in terms of GCC sub-clause 10.3(a).
- j) 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.
- k) Any other document(s) and /or modification of above documents specified in the Schedules of Requirements and the contract.

ii) on final acceptance

10% of the contract price of goods received shall be paid within 30 (thirty) days of receipt of goods on submission of the claim supported by the acceptance certificate issued by the purchaser or the purchaser's nominated representative in the proforma given in section .....of the bidding documents.

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:

90% 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 or Delivery note;
- c) Packing list identifying contents of each package;
- d) Insurance certificate;
- e) Manufacturer's/Supplier's warranty certificate;
- f) Pre-dispatch inspection certificate issued by the purchaser's nominated inspection agency, of so specified and the supplier's factory inspection report.
- g) Certificate of origin;
- 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:

the remaining 10% of the contact price shall be paid to the supplier within 30 (thirty) days of receipt of its claim, duly supported by the final acceptance certificate for the corresponding delivery issued by the purchaser's representative in the proforma given in section .....of the bidding documents.

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:

- i) 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;
- ii) If requested specifically by the supplier, the letter of credit will be confirmed, but the cost for the same shall be charged to the supplier's account.
- iii) 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 written order given to supplier pursuant to GCC clause 31, make changes and modifications within the general scope 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 despatch
  - 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 suitable 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 a 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 relive 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 sanctions.
- Imposition of liquidated damages,  
Forfeiture of its performance security and / or  
Termination of the contract for default.
- 22.3 If at any time during the performance of the contract, the supplier or its 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 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 dispatch the goods without obtaining an extension, it would be doing so at its 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 delivery 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 of 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 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 the 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**

- 26.1 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. Termination for convenience**

- 27.1 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.

- 27.2 The goods that are complete and ready for shipment within 30 (thirty) days after the supplier's receipt of notice of termination shall be accepted by the purchaser at the contract terms and prices. For the remaining goods, the purchaser may elect:
- a) to have any portion completed and delivered at the contract terms and prices; and / or
  - b) to cancel the remainder and pay to the supplier an agreed amount for partially completed goods and services and for materials and parts already procured by the supplier for fulfilling the contractual obligations.

## **28 Resolution of disputes**

- 28.1 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.
- 28.2 If, after thirty (30) days, the parties have failed to resolve their dispute or different 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.
- 28.3 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.
- 28.4 The dispute resolution mechanism to be applied pursuant to GCC sub-clause 28.3, shall be as follows:
- a) 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).
  - b) The decision of majority of arbitrators shall be final and binding upon the parties.
  - c) 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.

28.5 However, where the value of the contract is Rs. 15 laks (Rupees one and half million) and below, the disputes or differences arising in it shall be referred to 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).

28.6 The value of arbitration shall be the place from where the contract is issued.

## **29 Governing Language**

29.1 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.

## **30. Applicable law**

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

## **31. Notice**

31.1 Any notice given by one party to the other pursuant to the contract shall be sent in writing or by cable telex or facsimile and confirmed in writing to the addresses specified in the Schedule of Requirements.

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

## **32 Taxes and duties**

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

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

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

**SECTION-IV**

**PART-1 OF SCHEDULE OF REQUIREMENTS**

**Schedule-I**

<b>S.No.</b>	<b>Particulars</b>	<b>Quantity</b>	<b>Delivery Schedule / Place of Supply</b>
1	LCD Projector with Computer & UPS	01	CAZRI, Jodhpur
2	Micro irrigation system	01	CAZRI, Jodhpur
3	Torque Meter / Brake Dynamometer	01	CAZRI, Jodhpur
4	Fibre analyzer (Fibre bag system) (Automatic)	01	CAZRI, Jodhpur
5	HPLC	01	KVK,CAZRI, Kukma, Bhuj
6	High Speed Centrifuge	01	KVK,CAZRI, Kukma, Bhuj
7	Water Purification System	01	KVK,CAZRI, Kukma, Bhuj
8	Compound Research Microscope	01	KVK,CAZRI, Kukma, Bhuj
9	Wire Fencing	As per schedule	CAZRI, Jodhpur
10	PV Panels	01	CAZRI, Jodhpur
11	Tractor with Laser leveller	01	CAZRI, Jodhpur
12	P&F Chain link fencing in Agronomy Block	As per schedule	CAZRI, Jodhpur
13	Construction of Germplasm processing & Storage facility unit	As per schedule	CAZRI, Jodhpur

\* (30 days or as mentioned in the purchase order )

An amount of Bid Security @ 5% of the quoted price in the form of DD drawn in favour of ICAR Unit-CAZRI, Jodhpur, payable at Jodhpur or in the form of Bank Guarantee in the enclosed form (Format-IV) may be submitted with the tender document.

## **PART-2 OF SCHEDULE OF REQUIREMENTS (SECTION-IV)**

**1. Name of the Purchaser:**– The Director, CENTRAL ARID ZONE RESEARCH INSTITUTE, (ICAR) JODHPUR (RAJASTHAN)

**2. Purchaser's mailing address** THE DIRECTOR,  
CAZRI (ICAR), JODHPUR (RAJASTHAN)

**3. Preparation of Bids:-**

- I. Price Structure -- FOB port of Shipment/FOR, JODHPUR (RAJASTHAN).
- II. Language of Bid- English
- III. List of reputed customers/clients to whom supply has been made during last five years be supplied.
- IV. The amount of Bid Security- Amount as per IFB.
- V. The bid security must be valid for minimum 180 days.

**4. Submission of Bids:-**

- (i) Number of copies required is One
- (ii) Address for submission of bids, to be given on the envelope is :-

**THE ASSISTANT ADMINISTRATIVE OFFICER (STORE),  
CENTRAL ARID ZONE RESEARCH INSTITUTE (ICAR), NEAR ITI, JODHPUR - 342003  
(RAJASTHAN)**

(iii) Time and date of opening bid documents

- (a) Bid opening : (Technical bids) : 19.12.2013 at 3.00 P.M.  
( Financial bids) : After finalization of the Technical bids

(iv) Deadline for submission of bids is 02:30 P.M. on 19.12.2013.

(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.)

(v) The Institute has adopted Two bid system (Technical bids & Financial bids) therefore bid should be kept in a sealed packet/envelope. The outer cover should indicate Tender Number. Name of the equipment, Sl no. and opening date on the top of the right hand corner.

**(VI) Tenders for each equipment should be placed in separate envelope.**

A competent committee will evaluate the tenders.

**Documents/Papers to be submitted with Technical Bid/ Financial Bids in addition to the document mentioned on first page of the tender document are as follow:-**

**Technical Bid: -**

1. Technical Bid consisting of all technical details along with commercial terms & conditions. Only ONE MODEL is to be quoted best suiting the technical specification.
2. Product Literature/leaflets consists of detailed description of goods essential technical and performance characteristics.
3. Bid Security (EMD) in the form of A/c payee DD or Bank Guarantee.
4. Manufactures Authorization Certificate in case the bidder is quoting as an agent on behalf of a manufacturer.
5. The Authorized Agent/Dealer should have facility of the after sales service, repairing of the equipment plant, machinery at the site/shop.
6. Dully completed Questionnaires.
7. Certified copy of PAN/ITCC issued by Deptt. of Income Tax.
8. Documents showing capability to carry out supplier's maintenance, repair & spare parts stocking obligations.
9. Certified copy of Sales Tax/CST clearance certificate.
10. Users list, and photocopies of the P.O. received for the said item during last five years.
11. A clause-by-clause commentary on the purchaser Technical specification.

**Financial Bid:-**

1. Price schedule duly completed enclosed with bidding documents. Financial bid indicating item-wise price for the items mentioned in the Technical Bid.
2. Proforma Invoice from foreign principal in case of imported item.
3. A list giving full particulars including available sources and current prices of all spare parts, special tools etc. valid for a period of two years following commencement of use of equipments.
4. Cost of Annual maintenance charge for next 5 years after expiry of warranty period.
5. Warranty of the equipment should be at least 36 months.
6. Prices should be valid at least for 120 days from the date of opening of bid.

## PART-3 OF SCHEDULE OF REQUIREMENTS (SECTION-IV)

### 1. Inspection and Tests:-

- (i) Certificate showing country of origin\_\_\_\_\_
- (ii) Test certificate/inspection certificate with date, name of Issuing Agency content of specifications **(To be filled by bidder)**

**2. Packing:-** The consignment may please be shipped in cardboard packing only. If the consignment is dispatched in wooden packing, the shipped is required to send the Phytosanitary certificate from the country of origin for this purpose.

**3. Insurance:-** Insurance shall be arranged by the purchaser, if the purchase order are placed on FOB value otherwise shall be arranged by the beneficiary.

**4. Distribution of dispatch Documents:-** All shipping documents and consignment shall be sent through our nominated consolidators.

**5. Incidental Services:-** Banking charges outside India shall be borne by supplier.

**6. Warranty:-** Minimum 12 months from the date of installation of the equipment.

**7. Payment:-** Payment for goods supplied from abroad will be effected through letter of credit only and all the charges outside India will be supplier's account/Payment for goods supplied from India will be as per GCC Clause 17.

**8. Installation:-** As per purchase order clause, failing which Liquidated Damage clause shall apply.

**9. Prices:-** Be quoted on FOB Airport (Port of shipment) and CIF destination for imported goods. Prices shall be quoted in Indian Rupees or in the currency of the country of origin and not in both the currencies otherwise it shall be treated as non-responsive and rejected. If the Indian Agent provides any Indian made item free of cost with the Imported items/Instrument to meet the tender specification, the cost of the free item may be disclosed so as to deduct the same from the FOB value. The price of Indian made item which will be supplied free of cost shall be provided in Indian currency.

**10. Resolution of disputes:** By mutual consultation failing which it will be resolved under Arbitration & conciliation Act, 1996.

**11. Notices:-** As mentioned GCC clause 31

**12. Taxes and duties:-** A Foreign Supplier shall be entirely responsible for payment all taxes, Stamp duties, license fees & other levies imported outside India and within India in case of local supplier. The supplier may charge full Sale Tax/VAT etc as no form 'C' or 'D' will be issued by the Institute for availing concessional rate of S.T. etc. However, the Institute will issue Custom Duty Exemption Certificate for the imported stores being a research Institute.

**Indian Agent Commission:-** I.A.C. should be between 5 and 10% of FOB price for Indian agents or to be mentioned in the BID document.

**PART V**  
**DETAILED SPECIFICATIONS**

Item S. No.	Name of Item	Broad Specification	Qty.
1.	LCD Projector with Computer & UPS	<p><b><u>LCD :</u></b>  Britghtnan - 5000 ANSI Lumens  XGA – 1024 x 768  UXGA – 1600 x 1200  NTSC, NTSC 443, PAL, SECAM-M PAL-N, HDTV  Lens – F-1.6 – 1.9  With all accessories and attachments including carrying case.</p> <p><b><u>Computer :</u></b>  I-7 Processor, 500 GB Hard disk and other compatible part Genuine windows 8 OS with MS Office, Quick heal antivirus</p> <p><b><u>UPS :</u></b> 01 KVA</p>	01



Item S. No.	Name of Item	Broad Specification	Qty.
2.	Micro irrigation system	<p>Micro irrigation system is required to attach with solar PV Pump both AC and DC (1 HP) to irrigate field from surface water storage structures. The system should include following components.</p> <ul style="list-style-type: none"> <li>i). Drip systems-coverage 0.25 ha, operating pressure of dripper <math>\leq 1.5 \text{ kg cm}^{-2}</math>, discharge 4-8 lph Mains and lateral pipings along with suitable valves, sparing (2mx2m).</li> <li>ii). Micro-sprinkler systems- coverage- 0.25 ha, operating pressure <math>\leq 1.5 \text{ kg cm}^{-2}</math>, discharge 30-40 lph, suitable accessories.</li> <li>iii). Mister / fogging system for irrigating crops inside poly house operating pressure <math>\leq 1.5 \text{ kg cm}^{-2}</math>, discharge 30-40 lph, coverage of poly house 1000 m<sup>2</sup>.</li> <li>iv). Gravity drip systems : Dripper (Sparing 1.2m x 6.6m) attached with overhead tank; Tank height; 2.5 to 3m, tank size 1000 lit, covers -1000 m<sup>2</sup> stand for tank</li> <li>v). All other accessories tools and spare parts regular repair and maintenance of the system.</li> </ul>	01

Item S. No.	Name of Item	Broad Specification	Qty.
3.	Torque Meter / Brake Dynamometer	<p>Torque Meter / Brake Dynamometer is required to measure torque of a rotating shaft of vertical axis wind turbine with the following major specifications :-</p> <ul style="list-style-type: none"> <li>i. Torque Range : - 0-200 N-m.</li> <li>ii. Digital display of torque data may be directly downloaded to computer with data transfer cable.</li> <li>iii. Facility of measuring the rpm of rotating shaft of the VAWT.</li> <li>iv. All other accessories and spares for necessary mounting for measuring the torque of rotating shaft.</li> </ul> <p>The instrument should be installed and demonstrated of its functionality.</p>	01

Item S. No.	Name of Item	Broad Specification	Qty.
4.	Fibre analyzer (Fibre bag system) (Automatic)	<ul style="list-style-type: none"> <li>Fibre analysis system having 6 positions for analysis of Crude Fibre, NDF, ADF &amp; ADL as per Weende and Van soest methods</li> <li>Batch handling with no sample transfer throughout the procedure</li> <li>Capsule design to ensure optimal mixing with reagents for all samples. Polypropylene capsule with simple snap on lid, once sealed there should be no sample transfer. The different chemical properties of the membranes used in the capsule and the lid ensure free flow of reagents through capsule during analysis.</li> </ul> <p><b>Operating system :</b></p> <p>Sample size : 0.5-1.0 g</p> <p>Fibre size : 0-100%</p> <p>Sample per batch : 24</p> <p>Operating temp.: 100°C</p> <p>Measuring range: 0.1-100%</p> <p>Repeatability: <math>\pm 1\%</math></p> <p><b>Accessories :</b></p> <ol style="list-style-type: none"> <li>Fibre filter bags with 25 micron porosity (CF/ADF/NDF)- 1000 No.</li> <li>Heat sealer for filter bags – 1 No.</li> <li>System should consist of Ceramic hot plate, Extraction Beakers, Boiling Stand, Capsule tray, Drying stand, Defatting beakers, condenser stopper, condenser holder, and 100 pcs of capsules.</li> </ol> <p>Any other essential spare/accessory missed inadvertently required for running the Fibre analyzer</p>	1

\*While giving the indents of the equipments, the specification on common parameter as standard should be drawn up more precisely to obtain comparable offers).

Item S. No.	Name of Item	Broad Specification	Qty.
5.	HPLC	<p><b>Quaternary Gradient HPLC system for detection and quantification of amino acid, sugar, sugar alcohols, phenolics, organic acids, and organic compounds and their derivatives</b></p> <p>Complete software controlled bench top analytical HPLC (high performance liquid chromatography) system consisting of Quaternary Gradient solvent delivery system with pumps, manual sample injector, detectors, columns, column ovens, latest software and latest branded computer for recording, detecting, monitoring, handling, processing and storage of data. The system should be a complete working configuration with all required accessories, demo kit, etc.</p> <p><b>Solvent Delivery System</b></p> <p>Software controlled &amp; stand alone controlled, operating pressure should be at least 5000-6000 psi with flow rate of 0.01 to 10.00 ml mL/min or more in 0.01 ml increments, should be possible to upgrade for flow rate of 40-50 ml/min for semi prep application, flow accuracy <math>\pm 1.0\%</math></p> <p><b>Degasser</b></p> <p>4 channel in-line high vacuum degassing system for trouble-free and highest performance, access to four solvents for maximum versatility, flow rate 3-4 ml or better</p> <p><b>Injector</b></p> <p>High performance manual Rheodyne injector with the options to have dual injector capability to run semi prep as well as analytical analysis in a single configuration.</p> <p><b>Column Oven</b></p> <p>For analysis of carbohydrates, sugars, etc. Peltier based heating and cooling; temperature range: upto room temperature + 50-60°C; setting range : 1 to 65-70°C <math>\pm 1^{\circ}\text{C}</math>; stability : <math>\pm 0.1^{\circ}\text{C}</math></p> <p><b><u>Detectors :</u></b></p> <p><b><u>High scanning UV-VIS detector</u></b></p> <p>Double bean and ratio mode; calibration by built in Hg lamp</p> <ul style="list-style-type: none"> <li>• Wavelength range 190 – 800 nm.</li> <li>• Light sources – Deuterium (190-800nm)</li> <li>• Band width: 5-6 nm or better</li> <li>• Wavelength accuracy: <math>\pm 1</math> nm</li> <li>• Wavelength precision: <math>\pm 0.1</math>nm</li> <li>• Drift: <math>&lt; 1 \times 10^4</math> AU/hour</li> <li>• Noise level of <math>&lt; 0.7 \times 10^{-5}</math> AU</li> <li>• Automatic wavelength adjustments / programming</li> </ul>	01 No

		<ul style="list-style-type: none"> <li>• Operation mode: Single, dual, MaxPlot and RatioPlot</li> <li>• Method: 9-10 time-programmed method</li> <li>• Measurement range: 0.0001-4.0000 AUFS</li> <li>• Lamp Optimization through Software</li> <li>• Would have integral cuvette holder</li> <li>• Wavelength Verification</li> <li>• Lamp Life 2000 hrs or better with manufacturer warranty</li> <li>• Wavelength calibration: Built in 4 point Calibration by Internal Erbium filter.</li> <li>• Would be possible to use as UV spectrophotometer using a Cuvette</li> <li>• Safety: Built-in leak sensor, error handling</li> </ul> <p><b>Refractive index (RI) detector :</b></p> <ul style="list-style-type: none"> <li>• Noise : <math>&lt; 3.0 \times 10^{-9}</math> RIU</li> <li>• Drift : <math>250 \times 10^{-9}</math> RIU / hr</li> <li>• Refractive index range : 1.00-2.00 RIU, calibrated</li> <li>• Time programmable: polarity, peak width</li> <li>• Zero adjust : automatic zero</li> <li>• Valves: automatic purge and automatic solvent recycle</li> <li>• Stabilization time : suitable</li> <li>• Thermo stated cell for better stabilization</li> <li>• Light source: long life LED</li> </ul> <p><b><u>Columns:</u></b></p> <p>C- 18; C-8; NH2 columns for sugar, sugar alcohols, additional columns for, phenolics, organic acids, and organic compounds, etc. along with sample solvent filtration kit</p> <p><b><u>Pump for amino acid analysis, Software</u></b></p> <p>Latest software with relational database &amp; full licensed version of software for control, monitoring handling, detecting, quantification of compounds, storage and analysis of data with built in calculations &amp; updating custom filed capability. The system should be supplied with latest software, latest branded computer (18.5" LED monitor, 500 HDD, 4GB RAM, Intel Core i7 processor, Genuine windows 8 OS with MS office with Colour Laser printer with photocopy facility.</p> <p><b>Installation and demonstration:</b> On-site free of cost</p> <p><b>Others:</b> Complete with cables, valves, holders, etc. and other required accessories for a working configuration</p> <p><b>Warranty :</b> Two years from date of installation</p> <p><b>Power :</b> 220-240 V 50-60 Hz</p>	
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Item S. No.	Name of Item	Broad Specification	Qty.																														
6.	High Speed Centrifuge	Refrigerated table top centrifuge with basic unit, rotors, cables, built in cooling system; digital display of parameters; microprocessor controlled; etc. as per following requirement:  <b><u>Basic Unit</u></b>	01																														
		<table><tr><td>Max. Speed</td><td>&gt; 20,000rpm</td></tr><tr><td>Max. RCF</td><td>&gt; 40,000Xg</td></tr><tr><td>Max. Rotor Capacity</td><td>4 x 1000 ml</td></tr><tr><td>Control</td><td>Microprocessor controlled</td></tr><tr><td>Drive System</td><td>Brushless high frequency motor</td></tr><tr><td>Temp. Set Range</td><td>-20°C to 40° C</td></tr><tr><td>Temp. Control Range</td><td>2°C to 40°C</td></tr><tr><td>Cooling</td><td>CFC/HCFC free</td></tr><tr><td>Temp. Control Accuracy</td><td>±1°C of set temperature</td></tr><tr><td>Speed Control Range</td><td>300 rpm to &gt; 20,000 rpm</td></tr><tr><td>Speed Control Accuracy</td><td>± 20 rpm</td></tr><tr><td>Programmability</td><td>30 programs or more</td></tr><tr><td>Power</td><td>200-240 VAC, 50 Hz, single phase</td></tr><tr><td>Warranty</td><td>5 years for basic unit; 10 years for rotors</td></tr><tr><td>Stabilizer</td><td>Suitable</td></tr></table>		Max. Speed	> 20,000rpm	Max. RCF	> 40,000Xg	Max. Rotor Capacity	4 x 1000 ml	Control	Microprocessor controlled	Drive System	Brushless high frequency motor	Temp. Set Range	-20°C to 40° C	Temp. Control Range	2°C to 40°C	Cooling	CFC/HCFC free	Temp. Control Accuracy	±1°C of set temperature	Speed Control Range	300 rpm to > 20,000 rpm	Speed Control Accuracy	± 20 rpm	Programmability	30 programs or more	Power	200-240 VAC, 50 Hz, single phase	Warranty	5 years for basic unit; 10 years for rotors	Stabilizer	Suitable
		Max. Speed		> 20,000rpm																													
		Max. RCF		> 40,000Xg																													
		Max. Rotor Capacity		4 x 1000 ml																													
		Control		Microprocessor controlled																													
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		Temp. Control Accuracy		±1°C of set temperature																													
		Speed Control Range		300 rpm to > 20,000 rpm																													
		Speed Control Accuracy		± 20 rpm																													
		Programmability		30 programs or more																													
		Power		200-240 VAC, 50 Hz, single phase																													
		Warranty		5 years for basic unit; 10 years for rotors																													
		Stabilizer		Suitable																													
		Machine should be vacuum-free with brush-less high frequency direct drive motor and have features like eye-balancing of samples, delayed start/ stop, dual display of □Run' & □Set' parameters, Integration mode, Real Time Control, etc.																															
		<b><u>Rotors with lids:</u></b>																															
		<b>Aluminium Fixed Angle Rotor</b>																															
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Item S. No.	Name of Item	Broad Specification	Qty.																																						
7.	Water Purification System	<div><div>The system should be able to supply DNase, RNase, toxin and pyrogen free water suitable for molecular biology, HPL/C, etc. application. Should include pre-treatment unit (softner) to produce feed water for main unit; main unit comprising standard unit, TOC unit, cartridge units, filters, UV lamps, ultrafilters, pumps, storage reservoir, etc. With highly precise power sully unit.</div><table><tr><td>Water quality</td><td>DNase, Rnase, toxin and pyrogen free</td></tr><tr><td>Application of the water</td><td>HPLC, Mol. Bio. AAS</td></tr><tr><td>Resistivity, MΩ. cm at 25<sup>0</sup>C</td><td>18.2</td></tr><tr><td>TOC with 185/254 nm UV lamp</td><td>&lt;5 ppb</td></tr><tr><td>Particulates (size &gt;0.22μ m)</td><td>&lt;1 Particulate/mL</td></tr><tr><td>Bacteria</td><td>&lt;1 cfu/mL</td></tr><tr><td>Endotoxin</td><td>&lt;0.001 EU/mL</td></tr><tr><td>Rnase</td><td>&lt;0.003 ng/mL</td></tr><tr><td>DNase</td><td>&lt;0.003 ng/mL</td></tr><tr><td>Flow Rate</td><td>&gt;0.5L/min</td></tr><tr><td>Storage tank</td><td>Suitable for storing feed water</td></tr><tr><td>Filters</td><td>Suitable vent or suitable other filters wherever required</td></tr><tr><td>Pump</td><td>Suitable distribution pump; booster pump for pumping feed water to the main unit from storage tank, if any</td></tr><tr><td>Cartridges for all stages of purification</td><td>One set built-in; <b>two sets spare</b></td></tr><tr><td>UV tube</td><td>One set built-in and <b>two set spare</b></td></tr><tr><td>Filters</td><td><b>Two sets spare</b></td></tr><tr><td>Pre-treatment unit</td><td>Suitable automatic softner or pre-treatment unit to remove high particulate organic load, chloride and colloid load to produce feed water for the downstream main unit for producing DNase, RNase and pyrogen free water</td></tr><tr><td>Warranty</td><td>Two year</td></tr><tr><td>Other</td><td>Required accessories for working configuration, complete for all requirement *Self test for ensuring correct functionality *Automatic cleaning based on low purity level setting *Automatic sensor calibration *Automatic reset function *Automatic filter exchange function</td></tr></table></div>	Water quality	DNase, Rnase, toxin and pyrogen free	Application of the water	HPLC, Mol. Bio. AAS	Resistivity, MΩ. cm at 25 <sup>0</sup> C	18.2	TOC with 185/254 nm UV lamp	<5 ppb	Particulates (size >0.22μ m)	<1 Particulate/mL	Bacteria	<1 cfu/mL	Endotoxin	<0.001 EU/mL	Rnase	<0.003 ng/mL	DNase	<0.003 ng/mL	Flow Rate	>0.5L/min	Storage tank	Suitable for storing feed water	Filters	Suitable vent or suitable other filters wherever required	Pump	Suitable distribution pump; booster pump for pumping feed water to the main unit from storage tank, if any	Cartridges for all stages of purification	One set built-in; <b>two sets spare</b>	UV tube	One set built-in and <b>two set spare</b>	Filters	<b>Two sets spare</b>	Pre-treatment unit	Suitable automatic softner or pre-treatment unit to remove high particulate organic load, chloride and colloid load to produce feed water for the downstream main unit for producing DNase, RNase and pyrogen free water	Warranty	Two year	Other	Required accessories for working configuration, complete for all requirement *Self test for ensuring correct functionality *Automatic cleaning based on low purity level setting *Automatic sensor calibration *Automatic reset function *Automatic filter exchange function	01
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Item S. No.	Name of Item	Broad Specification	Qty.
8.	Compound Research Microscope	<p><b>Optical system</b> : Universal infinity corrected</p> <p><b>Focus</b> : Co-axial focusing system minimum fine adjustment : 1 micron</p> <p><b>Illumination</b>: Built-in-Kochler illumination with 12V 100 W halogen bulb for light transmission, Various light filters (colour filter, neutral filter, heat reflection filter)</p> <p><b>Revolving Nosepiece</b>: Five turret Revolving Nosepiece</p> <p><b>Objectives</b>: EC Plan Neofluar 10X, 20X, 40X, 60X, 100X oil</p> <p><b>Observation Tube</b>: Wide field trinocular head, Three step light path selector (100:0, 50:50, 0:100)</p> <p><b>Eyepiece</b> : 10X, Field of view with eyeguard</p> <p><b>Additional eyepiece</b>: 20X with eye guard</p> <p><b>Stage</b> : Ceramic coated nonstick coaxial movement in X &amp; Y direction with low drive control</p> <p><b>Condenser</b> : 5-position universal Achromat condenser (bright field, phase contrast, DF) N.A. 1.4</p> <p><b>Fluorescence attachment</b>  100wt. mercury burner with 300 hrs life Reflected light illuminator with built in aperture and field iris diaphragm  Neutral Density filter (ND6, ND12, ND25)  Slot for 6 position filter slider for application like FISH (DAPI,FITC, Rhodamin, TRIC, Triple band pass)</p> <p><b>Image capture</b>:  High performance, RGB, MONO, TV signal integration (mono), PCI bus capture card with overlay for use in imaging solutions</p> <p><b>Image capturing Device</b>:  High performance 2/3" CCD Mono chromatic TV camera with high dynamic range for acquisition of bright field or fluorescent image with sensitivity of 0.5 lux, CCIR, 560 TV lines</p> <p><b>Peripheral Attachments</b> : The system should be supplied with latest software for control, measuring, processing, analysis and storage of the data along with latest branded computer (18.5" LED monitor, 500 HDD, 4GB RAM, Intel Core i7 processor, Genuine windows 8 OS with MSOffice with Colour Laser printer with photocopy facility; Normal key board; Optical mouse; UPS.</p> <p><b>Warranty</b>: Two years from date of installation</p>	01

Item S. No.	Name of Item	Broad Specification	Qty.
9.	Wire Fencing	<p>Supplying and fixing of chain link fencing with angle iron posts 50x50x4mm placed at every 5 Mtr. Apart 30cm in ground embedded in cement concrete 1:3:6 (30x30x45 cm). Corner and every tenth post to be strutted with (50x50x4 cm) angle iron provided and fixed and fitted with posts including earth work in excavation etc. Complete with chain link size with top &amp; bottom tension wire.</p> <p>Chainlink size - 5feet height of GI wire</p> <p>- 100mm x 100mm x 3.15 mm mesh size</p>	As per schedule Per Unit

Item S. No.	Name of Item	Broad Specification	Qty.
10.	PV Panels	<p>i). 2800 Wp (~ 10 Nos.x 280) Poly-crystalline Silicon PV module with atleast 10 years warranty.</p> <p>ii). 2 KVA solar grid interactive.</p> <p>iii). Array junction box.</p> <p>iv). Secure priority controller.</p> <p>v). Energy Harvester with MPPT built in.</p> <p>vi). Surge ARRESTORS.</p> <p>vii). Earthing kit, maintenance free.</p> <p>viii). Mounting structure.</p> <p>ix). Cables and accessories for an interrupted power supply</p> <p>x). 1 KW inverter with battery back up.</p> <p>xi). Protective diodes, fuses and switches.</p> <p>The rates should be quoted for PV Panel with assembly system and installation at ATIC building of CAZRI.</p>	01 No

<b>Item S. No.</b>	<b>Name of Item</b>	<b>Broad Specification</b>	<b>Qty.</b>
11.	1. Tractor	Tractor 47 HP DI with 600-16 Front & 13-6-28 rear Tyre complete with standard accessories i.e Hood, Hook, Front Guard, Deluxe sheets Draw bar Top link Tool kit etc.	01
	2. Laser Leveller	(i). Laser transmitter (ii). Survey Receiver (iii). Remote for Switching (iv) Laser receiver (v) Control Box (vi) Tripod and scale combo with carry case (vii) Hydraulic control system (viii) Drag / System Box Scraper	01

**12. Name of Work:** Providing & fixing of Chain link fencing, iron, gates at Agronomy Block of CAZRI, Jodhpur.

S. No.	Description	Quantity	Rate to be quoted	Amount (Rs.)
1.	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m including taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kind of soils.	1.2 Cum	@..... Per Cum	.....
2.	Providing and laying in position cement concrete including curing compaction etc. of specified grade excluding the cost of centering and shuttering. All upto plinth level.			
i.	1:2:4 (1 cement : 2 course sand : 4 graded stone aggregate 20 mm nominal size).	0.5 Cum	@..... Per Cum	.....
ii.	1:3:6 (1 cement : 3 course sand : 6 graded stone aggregate 40 mm nominal size).	1.5 Cum	@..... Per Cum	.....
3	Providing & fixing of steel gate grating and grills made of angles, tees, square bars or other flats black pipe with holdfast and fittings complete as per design and drawing including cutting welding and fabrication with priming coat of red oxide.	210 Kg.	@..... Per Kg.	.....
4.	Supplying and fixing of chain link fencing with angle iron posts 50 x50x6 mm placed at every 3 Mtr. Apart 30 Cm. in ground embedded in cement concrete 1:3:6 (30x30x45 Cm) corner and every tenth post to be strutted with (50 x 50x6 Cm) angle iron provided and fixed and fitted with posts including earth work in excavation etc. complete with chain link size. 50 mm x 50 mm x 3.15 mm	1125 Sqm.	@..... Per Sqm	.....
5.	Painting with enamel paint of approved brand and manufacture to give an even shade.  Two or more coats on new work	20 Sqm.	@..... Per Sqm	.....
6.	Structural steel work in single section fixed with connection plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete above plinth level up to 4.5 Mtr. Height in R.S. Joist, flats, tees, angles and channels.	150 Kg.	@..... Per Kg.	.....
7.	Steel work in built up tubular trusses including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. complete above plinth level up to 4.5 Mtr. Height. Hot finished welded type tubes.	100 Kg.	@..... Per Kg.	.....
8.	Providing & fixing 3 mm thick G.I. wire ion top of chain link fencing including GI stapple, fixing of this wire to chain link fencing.	625 Mtr.	@...../ Per Mtr.	.....
	<b>Grand total (in figures) Rs.</b>			
	<b>Grand total (in words) Rs.</b>			

PAN NO. ....

TIN No. ....

Signature and seal of tenderer

**13. Name of Work :Construction of Germplasm processing & storage facility Unit at CAZRI, Jodhpur.**

<u>S.</u> <u>No.</u>	<b>Particular of work</b>	<b>Quantity</b>	<b>Rate to be quoted</b>	<b>Amount(Rs.)</b>
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. : All kinds of soil.	54.72 cum	@...../ Cum	.....
	<b>CEMENT CONCRETE (CAST - IN - SITU)</b>			
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:			
(i)	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	13.68 cum	@...../ Cum	.....
(ii)	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	23.28 cum	@...../ Cum	.....
3	Random rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20mm nominal size) at plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand)	26.22 cum	@...../ Cum	.....
4	Coursed rubble masonry (second sort) with hard stone in foundation & plinth with : Cement mortar 1:6 (1 cement : 6 coarse sand)	45 cum	@...../ Cum	.....
5	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level and upto floor five level :	45 cum	@...../ Cum	.....
6	<b>CAST-IN-SITU</b>			
	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level - 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	15.32 cum	@...../ Cum	.....
7	<b>FORM WORK</b>			
	Centering and shuttering including strutting, propping etc. and removal of form for :			

(I)	Suspended floors, roofs, landings, balconies and access platform.	66.3 sqm	@...../ Sqm	.....
(II)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	35.82 sqm	@...../ Sqm	.....
8	<b>STEEL REINFORCEMENT</b>			
	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete : Hot rolled deformed bars	1600 kg	@...../ Kg	.....
9	<b>KOTA STONE FLOORING</b>			
(i)	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick.	60 sqm	@...../ Sqm	.....
(ii)	Kota stone slabs 25 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	25 sqm	@...../ Sqm	.....
10	<b>POINTING ON STONE WORK</b>			
	Pointing on stone work with cement mortar 1:3 (1 cement: 3 fine sand): Flush/ Ruled pointing	136 sqm	@...../ Sqm	.....
11	<b>CEMENT PLASTER (IN COARSE SAND)</b>			
	20 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	290 sqm	@...../ Sqm	.....
12	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete : 40mm thick with 20mm nominal size stone aggregate.	87.7 sqm	@...../ Sqm	.....
13	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15x3 mm lugs 10cm long embedded in cement concrete blocks 15x10x10 cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with dash fastener or with fixing	225 kg	@...../ Kg	.....



	clips or with bolts and nuts as require including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.			
14	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators side /top /centre hung with beading and all members such as K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted with 15x3mm lugs, 10cm long, embedded in cement concrete blocks 15x10x10cm of 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required, including providing and fixing of hinges, pivots, float glass panes with glazing clips and special metal sash putty of approved make and a priming coat of approved steel primer excluding the cost of metal beading and other fittings except necessary hinges or pivots complete as per approved design.	100 kg	@...../ Kg	.....
15	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required : In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	225 kg	@...../ Kg	.....
16	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows including ISI marked black enamelled M.S butt hinges with necessary screws excluding, panelling which will be paid for separately : Second class teak wood. 35 mm thick shutters	8 sqm	@...../ Sqm	.....
	<b>INTERIOR FINISHING</b>			
17	White washing with lime to give an even shade : New work (three or more coats)	60 sqm	@...../ Sqm	.....
18	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including priming coat with cement primer.	175 sqm	@...../ Sqm	.....
	<b>EXTERIOR FINISHING</b>			
19	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm).	60 sqm	@...../ Sqm	.....

20	Applying priming coat : With ready mixed pink or Grey primer of approved brand and manufacture on wood work (hard and soft wood)	40 sqm	@...../ Sqm	.....
21	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	40 sqm	@...../ Sqm	.....
22	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 100 mm dia. R.C.C. pipe	10 metre	@...../ Meter	.....

Note : Estimate prepared based on DSR, 2012 of CPWD

Signature with seal of tenderer

## QUESTIONNAIRE

BIDDERS SHOULD FURNISH SPECIFIC ANSWERS TO ALL THE QUESTIONS GIVEN BELOW. IN CASE A QUESTION DOES NOT APPLY TO A BIDDER, THE SAME 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 Manufacturer
6. What is your permanent Income Tax A/C No (PAN no).
7. Confirm whether you have attached your latest/current ITCC or certified photocopy thereof.
8. Status:
  - (a) Are you a 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.
  - (b) If you are not registered either with NSIC 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.
  - (c) 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) Manufacture of the goods quoted; or

(ii) Manufacture's authorized agent for those goods.

11. State whether business dealings with you have been currently banned by any Ministry/Deptt. Of Central Govt. or any State Govt.

Signature of Witness

Signature of Bidder

Name & address of Witness

Full name, designation &  
Address of the person signing above  
For and on behalf of M/s.

(Name and address of the bidding firm).

## **BID FORM AND PRICE SCHEDULES**

Date: .....

To

THE DIRECTOR,  
CENTRAL ARID ZONE RESEARCH INSTITUTE  
NEAR I.T.I., JODHPUR - 342003 (RAJASTHAN)

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 acknowledge, 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 provided 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 clause 15 (read with modification, if any, in the Bid Data Sheet) 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 old 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 .....200 .....

Signature  
(in the capacity of)  
Duly authorized to sign bid for and on behalf of

**PRICE SCHEDULE FOR DOMESTIC GOODS OR GOODS OF FOREIGN ORIGIN LOCATED WITHIN INDIA**

1	2	3	4 Price per unit						5	6	7
Schedule No.	Item Description No.	Accounting unit & quantity	Ex-factory/ ex-ware house/ ex-show room off the shelf	Excise duty if any	Packing and forward-ing	In-land Trans- portation	Insurance, other duties and taxes, if any (other than sales tax) and incident at costs	Incidental services (including supervision)	Over all unit price (a+b+c+d+e+f)	Total price	Sales tax payable, if contract is awarded
			(a)	(b)	(c)	(d)	(e)	(f)	3x5		

Total bid price in Indian/foreign currency: (in figures): .....  
(in words).....

Signature of bidder  
Name  
Business address

Place:

Date:

**Note:**

- 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 VII (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 is Section VII.

PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5				6	7	8	9	10
Schedule No.	Item Description	Country of origin	Accounting unit & quantity	Unit price FOB at Port of loading	Unit price CIF at port of entry	Inland transportation charges insurance and other local costs incidental to delivery, if specified	Incidental Services Including supervision	Overall unit Price (b+c+d)	Total price	Indian agent's name	Indian agent's commission as a % of FOB price included in the quoted price	Ship ment weight and volume
				(a)	(b)	(c)	(d)		4x6			

Total bid price in foreign currency: (in figures): .....  
(in words).....

**Signature of bidder**  
**Name and address**

Place:

Date:

**Note:**

- In case of discrepancy between unit price and total price, the unit price shall prevail.
- If nothing to the contrary to this effect is mentioned under section VII (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 is Section VII.
- Indian agent's commission shall be paid in Indian Rupees only. No change due to exchange variation shall be allowed.



SECTION VII/2

**BANK GUARANTEE FORM FOR BID SECURITY**

Whereas.....(name of bidder) (here-in-after called " the bidder") has submitted his bid dated.....(date) for the supply of.....(brief description of the relevant goods and services) (here-in-after 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.....200.....

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.....

**SECTION VII/3  
MANUFACTURE'S AUTHORISATION FORM**

To

THE DIRECTOR,  
CENTRAL ARID ZONE RESEARCH INSTITUTE  
NEAR I.T.I., JODHPUR - 342003 (RAJASTHAN)

Dear Sirs,

Ref: Your Bidding Documents No.....

We wish.....who are established and reputable manufactures 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 (give below) 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 manufactures)

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 manufacture.

## SECTION VII/4

### BANK GUARANTEE FORM FOR PERFORMANCE SECURITY

To,

THE DIRECTOR,  
CENTRAL ARID ZONE RESEARCH INSTITUTE  
NEAR I.T.I., JODHPUR - 342003 (RAJASTHAN)

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 default under the contract and 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 ... 20  
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.

## SECTION VII/5

### CONTRACT FORM

Address of the purchasers  
Office issuing the contract

Contract No.....

Date : .....

This is continuation to this office Notification of Award No. .... dated .....

1. Name & address of the Supplier.
2. Purchasers bidding documents No. .... dated ..... (followed by further communication No. . and date, if any, from the purchaser to the supplier)
3. Suppliers bid No. .... dated ..... (followed by further communication No. date if any, from the supplier to the purchaser).
4. The documents, which are deemed to form and be read and construed as part of this contract are :
  - (a) The Bid Form and the Price Schedule submitted by the bidder.
  - (b) The Schedule of Requirements;
  - (c) The Technical Specification and Quality Control Requirements'
  - (d) The General Conditions of Contract; and
  - (e) The purchasers Notification of Award

Certain stipulations out of the above documents are reproduced below for ready reference. However, the words and expression 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/CIF etc.)

Total value (In figure)..... (in words).....

7. Delivery schedule

8. Details of inspection, test and quality assurance  
    (a) Designation and address of inspection agency  
    (b) Mode (s) and place (s) conducting inspections and tests.

9. Transit Insurance

10. Dispatch Instructions

11. Details of consignee (including port consignee, if any)

12. Payment terms

13. Paying Authority

14. Warranty clause

.....  
(Signature, Name and address  
of the purchasers authorized functionary)

Signature the contract  
For and on behalf of .....

Received and accepted the contract  
Agreement

.....

(Signature, name and address of the suppliers authorized executive  
For and on behalf of .....  
(Name and address of the supplier)

.....

(Seal of the supplier)

Date :

Place :