



भाकृअनुप-प्याज एवं लहसुन अनुसंधान निदेशालय  
राजगुरुनगर, पुणे-४१०५०५ महाराष्ट्र  
**ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH**  
**Rajgurunagar, Pune – 410 505, Maharashtra**  
Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



File No--: 15/328/S&P/TN/15-16

Date -: 30.03.2016

**EXTENSION OF DATE FOR TENDER NOTICE**

In Continuation to our tender notification published on 28.02.2016 in this News paper, the last date of receipt of Tender document is extended upto 12.30 hrs of 30.04.2016. The other terms and conditions will remain the same. The Tender will be opened on 30.04.2016 at 1400 hrs in the committee room in presence of bidders who chose to attend. The details can be seen on our website (<http://www.dogr.res.in>). **Those who have already submitted tender need not submit it again.**

Sd/-  
Senior Administrative Officer



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**Corrigendum**

Ref. : **Invitation for BIDS ( IFB ) DT.25.02.2016**  
**Extended date of submission of Tender document upto 30.04.2016**

**ANNEXURE- I (Section V)**

**&**

**ANNEXURE-II (Section VIII)**  
**Item No. 1**

**Name of Equipment: - Branded work station (Under NICRA Project)** read for Technical Specification & Technical Compliance Statement as under:

<b>Sr. No.</b>	<b>Existing Specification</b>	<b>To be replaced with</b>
1	Processor : Dual Intel xeon processor (6 cores HT, 25 MB cache, 3.1 GHZ Turbo)	Processor : Dual Intel xeon processor (6 core to 10 cores HT with suitable cache)

Other terms and condition will remain the same.

( Sunil Kumar )  
Senior Administrative Officer



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## BID DOCUMENTS



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## INVITATION OF BIDS FOR EQUIPMENT



**भाकृअनुप-प्याज एवं लहसुन अनुसंधान निदेशालय**  
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- 1. Start of Sale of Blank Bid Document : 29.02.2016**
- 2. Pre-Bid meeting : 08.03.2016 (10.00 a.m.)**
- 3. Last Date for uploading of clarification on the website consequent to pre-Bid meeting : 11.03.2016**
- 4. Last date for sale of Bid Document : 19.03.2016 (16.00 p.m.)**
- 5. Last date for receipt of Bid document : 22.03.2016 (12.30 p.m.)**
- 6. Date of opening of Technical Bid : 22.03.2016 (14.00 p.m.)**
- 7. Date & time of opening of Financial bids : To be notified separately For technically qualified bidder**

**THE BID FORM SHALL HAS TO BE PURCHASED AND SUBMITTED SEPERATELY IN SEALED ENVELOPES FOR EACH EQUIPMENT.**

**To,  
M/S.**

**Sub: Supply of BID Form-reg.**

Dear Sir,

With reference to your application dated \_\_\_\_\_, please find enclosed herewith BID form along with the detailed specifications receipt no. \_\_\_\_\_ Dt. \_\_\_\_\_ for Rs. 500/- for the supply of following equipment.

Kindly acknowledge the receipt of the same.

Your faithfully

**Sr. Administrative Officer**



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STANDARD BIDDING DOCUMENTS FOR PURCHASE OF GOODS

**CONTENTS**

<b>Section No.</b>	<b>Particulars</b>	<b>Page No.</b>
Section I	Invitation for Bids & Details Invitation for Bids (IFB)	1, 2,3
Section II	Instruction to Bidders	4 to 22
Section III	General Conditions of Contract	23 to 39
Section IV	Schedule of Requirements	40 to 44
Section V	Technical Specification & Quality Control Requirements	45
Section VI	Questionnaires	46,47
Section VII/1	Bid Form and Price Schedules	48 to 50
Section VII/2	Bank Guarantee Form for Bid Security	51
Section VII/3	Manufacturer Authorization Form	52
Section VII/4	Bank Guarantee Form for Performance Security	53
Section VII/5	Contract Form	54-55
Section VIII	Technical Specification Compliance Statement/Deviation Form	56
Annexure -I	Technical Specification	57 to 68
Annexure -II	Technical Compliance Statement	69 to 80
Annexure-III	Format for AMC	81
Annexure –IV	Checklist of Documents to be placed in the Technical Bid & Financial bid Envelope	82-83



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**F.No. 15-328/S&P/TN/15-16**

**Date : 25.02.2016**

**Invitation for BIDS (IFB)**

On behalf of the Secretary, ICAR, the Director, Directorate of Onion and Garlic Research, Rajgurunagar, Pune (Maharashtra) 410505 invites sealed tenders in two Bid system (Technical Bid and Financial Bid separately in two sealed envelopes superscribed Technical Bid and Financial Bid respectively and both are to be placed in a big sealed envelope ) from authorized/registered and reputed manufacturers/firms from India and abroad and/or their Indian agent for following Equipments & Consumable Items 1)Branded Work Station 2) Leaf area Meter ,3) Humidifier, 4) Incubator Cum-Orbital Shaker, 5) CCTV Camera (Complete system), 6) Compact Centrifuge, 7) Super Critical Fluid Extractor, 8) Gradient Thermal Cycler (PCR Machine), 9) Vapour Pressure Osmometer, 10) Dewpoint Potentimeter , 11) Drip Inline Laterals & 12)Advance force Gauge (Durometer).

The complete tender document is available at DOGR's Website ([www.dogr.res.in](http://www.dogr.res.in)) and downloaded form may be submitted along with a non-refundable tender fees of Rs. 500/- (Five hundred) only for each equipments separately. Downloaded forms will not be accepted without tender fee in the form of Demand Draft. Tender documents can also be purchased on any working day at this Directorate from 29.02.2016 to 19.03.2016 between 10.00 to 16.00 hrs, upon a cash payment of Rs.500/- (Five hundred) only or Bank DD favoring "ICAR Unit DOGR" payable at SBI, Rajgurunagar. Duly filled tender form (Separate for each equipment) along with EMD amount (Separately) must be submitted to this office upto 22.03.2016 on or before 12.30 hrs. The Technical Bid shall be opened on same day at 14.00 hrs. The Commcerical Bid of only Technically qualified Bidder shall be opened on the date notified separately. For detail please log on at <http://www.dogr.res.in> and [www.eprocure.gov.in](http://www.eprocure.gov.in)

Sd/-  
Senior Administrative Officer



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**DETAILED INVITATION FOR BIDS (IFB)**

1. The Director, **DOGR, RAJGURUNAGAR** invites **SEALED TENDER IN TWO BID SYSTEM** from the reputed manufacturers or their authorized agents dealing with the supply of the following equipment & Consumable Item :-

Item No.	Name of Equipment	Qty.	Estimate cost in lakhs (Rs.)	EMD (Rs.)	Delivery Place
1.	Branded Work station ( <b>Under NICRA Project</b> )	1 No.	5.00	25000/-	DOGR,Rajgurunagar
2.	Leaf Area Meter ( <b>Under NICRA Project</b> )	1 No.	3.60	18,000/-	DOGR,Rajgurunagar
3.	Humidifier	1 No.	0.60	3000/-	DOGR,Rajgurunagar
4.	Incubator Cum-Orbital Shaker	1 No.	1.20	6000/-	DOGR Rajgurunagar
5.	CCTV Camera (Complete system)	1 No.	5.00	25000/-	DOGR Rajgurunagar
6.	Compact Centrifuge	1 No.	1.00	5000/-	DOGR Rajgurunagar
7.	Super Critical Fluid Extractor	1 No.	20.00	100000/-	DOGR,Rajgurunagar
8.	Grandient Thermal Cyler (PCR Machine)	1 No.	5.00	25000/-	DOGR Rajgurunagar
9.	Vapour Pressure Osmometer	1 No.	8.00	40000/-	DOGR Rajgurunagar
10.	Dewpoint Potentimeter	1 No.	8.00	40000/-	DOGR,Rajgurunagar
11.	Drip Inline Laterals 30000 mtrs for Kalus farm 20000 mtrs for DOGR R'nagar	50,000 Mtrs.	4.35	21725/-	DOGR,Rajgurunagar & Kalus Farm
12.	Advance force Gauge (Durometer) Buy Back	1 No.	1.50	7500/-	DOGR,Rajgurunagar



2. **Important Dates-**

- i) **Start of Sale of Blank Bid Document** : 29.02.2016
- ii) **Date of Pre-bid meeting** : 08.03.2016 (10.00 a.m.)
- iii) **Last Date for uploading of clarification on the website consequent to pre-Bid meeting** : 11.03.2016
- iv) **Last date for Sale of Bid Document** : 19.03.2016 (16.00 p.m.)
- v) **Last date for Submission of Bid** : 22.03.2016 (12.30 p.m.)
- vi) **Date & time of opening the Technical bids** : 22.03.2016 (14.00 p.m.)
- vii) **Date & time of opening of Financial bids for technically qualified bidder** : To be notified separately
- v) **Place of submission of bids** : ICAR-DOGR, Rajgurunagar, Pune-410 505

**In presence of bidders who desire to be present.**

3. Bid must be submitted in the original prescribed form **separately for each equipment** With rates for delivery at this office including all levies, taxes, installation etc. Complete, if applicable duly addressed to the **Director, ICAR-DOGR, Rajgurunagar** in a sealed cover super scribing with the **name of the Equipment and Item No.**
4. The Bid documents may be obtained from the Purchase Section of DOGR, Rajgurunagar-410505 on any working day between 10.00 hrs. to 16.00 hrs. up to the last date of sale of Bid. Bid documents will be issued on payment of Rs. **500/- by cash (non-refundable)**. Bid form should also accompany **Earnest Money Deposit/Bid security** in the form of Demand Draft/Pay Order drawn in favour of "**Director, ICAR UNIT DOGR, RAJGURUNAGAR**" should be enclosed with the Bidding document falling which Bid is liable to be rejected.
5. The blank Bid documents along with Terms & Conditions is also available on our website: **www.dogr.res.in** which can be downloaded and submitted along with the cost of Bid Documents of Rs.500/- (Non-Refundable) separately for each equipment in the form of D.D/Pay Order drawn in favour of "**Director ICAR-DOGR, RAJGURUNAGAR** alongwith Bid security as mentioned in Para 4 falling which Bid shall be rejected.
6. Bid form issued by this office or downloaded from our web site will only be accepted. Bids received after the **DUE DATE and TIME** will not be entertained and will stand rejected.
7. In no case request for blank Bid documents by post shall be entertained. The duly filled in Bid form send by post received after due date shall not be accepted.
8. In case the date of issue/receipt or opening of Bid is declared as Holiday for unexpected reasons, the Bid will be issued/received/opened on the next working day at same time. The Bid documents are non-transferable. Director of the Institute reserves the right to accept and/or reject any or all Bid without assigning any reason thereof.
9. The Technical Bid Envelope should contain all documents i.e. EMD, Copy of PAN,TAN, VAT/Sales Tax/Service Tax No., Authorization letter from manufacturer, Balance sheet for last year duly signed by Chartered Accountant & List of three client alongwith purchase order etc however in no case Price Bid as per Section VII/I will be included other wise Technical Bid shall be rejected.
10. I) Financial Bid Envelope should contain of Bid format and Price Schedule for Domestic Goods or Goods of Foreign Origin and Price Schedule for Goods to be imported from Abroad as per Section VII/I (Price Bid) and II) (Annexure-III (AMC Charges in any).
11. The **PRICE BID** of those Bidder whose Bids are found technically qualified and responsive will only be opened for which separate date and time shall be intimation by the office.
12. Technical Bid and Financial Bid should be sealed separate envelopes superscribed Technical Bid and Financial Bid respectively and both are to be placed in a bag sealed envelope superscribing Tender for Equipment with Name of equipment, Item No. & last date of receipt of equipment.

**Sr. ADMINISTRATIVE OFFICER**

SECTION II – INSTRUCTION TO BIDERS [ I T B ]

TABLE OF CLAUSES

- A.           INDROUCTION:
1.       Source of Funds
  2.       Eligible Goods and Services.
  3.       Cost of Bidding.
- B.           BIDDING DOCUMENTS:
4.       Content of Bidding Documents.
  5.       Clarification of Biding Documents
  6.       Amendment of Bidding Documents.
- C.           PREPARATION OF BIDS:
7.       Language of Bid.
  8.       Documents Constituting the Bid
  9.       Bid Form
  10.      Bid Prices
  11.      Bid Currencies
  12.      Indian Agent
  13.      Documents establishing Bidder’s Eligibility & Qualifications
  14.      Documents Establishing Good’s Eligibility &Conformity goods to bid documents
  15.      Bid Security
  16.      Period of Validity of Bids
  17.      Format and Signing of Bid
- D.           SUBMISSION OF BIDS:
18.      Sealing and Marking of Bids
  19.      Deadline for Submission of Bids
  20.      Late Bids.
  21.      Modification and withdrawal of Bids
- E.           **BID OPENING AND EVALUATION:**
22.      Opening of Bids by Purchaser.
  23.      Clarification of Bids.
  24.      Preliminary examination of Bids – Unresponsive, Substantially Responsive and responsive Bids.
  25.      Conversion to Single Currency.
  26.      Evaluation and Comparison of Bids
  27.      Bidder’s Capability to Perform the Contract.

- 28. Purchaser's Right to accept any Bid and to reject any or all Bids.
- 29. Contracting the Purchaser.

**F. AWARD OF CONTRACT:**

- 30. Award Criteria.
- 31. Purchaser's Right to Vary Quantities at the time of Award.
- 32. Notification of Award.
- 33. Signing of Contract.
- 34. Performance Security

**G. TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

INSTRUCTION TO BIDDERS [ I T B ]

**A. INDROUCTION**

**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 costs 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 documents. In addition to the invitation for Bids, the bidding documents include:
  - (a) Instruction to Bidders (ITB)
  - (b) General Conditions of Contract (GCC)

- (c) Schedule of Requirements
- (d) Technical Specification and Quality Control Requirements
- (e) Questionnaire
- (f) Bid Form and Price Schedules
- (g) Bank Guarantee Form for Bid Security
- (h) Manufacturer's Authorization Form
- (i) Bank Guarantee Form for Performance Security
- (j) Contract Form
- (k) Technical Specification Compliance Statement Form
- (l) Format of AMC
- (m) Checklist

4.2 In case of any contradiction between the stipulations made in ITB & GCC and Schedule of Requirements, the stipulations 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 documents 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 not later than 14 (Fourteen) 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. The clarification shall be also posted on the purchaser website for information to the prospective bidders.

## **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 ratification requested by a prospective bidder, modify the bidding documents by amendment.**

- 6.2 The amendment will be notified on the purchaser's website and also in writing or by telex or cable or by Fax to all prospective bidders, who have received the bidding documents and will be binding on them.**
- 6.2 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 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 purchase 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:**
- Technical Bid**
- a. 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,**
  - b. 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.**
  - c. bid security/EMD furnished in accordance with ITB clause 15.**
  - d. Technical Specification Compliance Statement (attached as Annexure-II Section VIII) With the bidding documents duly filled.**
  - e. The questionnaires (attached as Annexure (Section VI) with the bidding documents) duly filled in.**
  - g. comprehensive AMC (Annexure-III)**
  - h. checklist (Annexure IV)**

**8.2 Commercial Bid :\_**

- a. **bid form and a price schedule in accordance with ITB clause 9, 10 and 11,**
- ä. **The Price bid should contain a following list**
  - i) **Price Bid**
  - ii) **AMC Charges**

**Note: A bid, which does not fulfill any of the above requirements and/or gives evasive information/reply against any such requirement, shall be 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 VII/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 bid prices of the goods it proposes to supply under the Contract. (To this end, the Bidders are allowed the option to submit the bids for any one or more schedule specified in the 'Schedule of Requirement' and to offer discounts for combined schedules. However, bidders shall quote for the complete requirement of goods and services specified under each schedule on a single responsibility basis, failing which such bids (for the schedule in question) will not be taken into account for evaluation and will not be considered for award). Bidder should submit price for only one make and model. Multiple bids shall be rejected.**

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

**I. for goods offered from within India:-**

- a) the price of the goods, quoted ex-factory, ex-showroom, ex-warehouse or off-the-shelf, as applicable, including customs, excise and any other duties and sales and other taxes already paid or payable on the components and raw material used in the manufacture or assembly of the goods quoted ex-factory or on the previously imported goods of foreign origin quoted ex-showroom, ex-warehouse or off-the-shelf,
- b) any sales or other taxes/duties including excise duty, which will be payable on the goods in India if the contract is awarded,

- c) charges for inland transportation, insurance and other local costs incidental to delivery of goods to 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 Requirements**.
- e) any element of cost, taxes, duties, levies etc. not specifically indicated in the bid, shall not be paid by the purchaser.

**II for goods offered from abroad:-**

- a) the price of goods shall be quoted CIF port of entry in India or CIP named place of destination in India as and if specified in the **Schedule of Requirements**. In quoting the prices, the bidder shall use ocean transportation through Indian flag vessels of Indian origin or through vessels of Shipping Conference Lines in which India is a member country. Similarly, the bidder may obtain insurance services from any nationalized insurance company in India,
- b) the price of goods shall be quoted FOB port of shipment, as well as CIF port of embarkment in India as and if specified in the **Schedule of Requirements**.
- c) charges for inland transportation, insurance and other local costs incidental to delivery of the goods from the port of entry in India to their final destination, which is specified in the **Schedule of Requirements**. **And**
- 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 the contract and not subject to variation on any account, unless otherwise specified in the **Schedule of Requirements**. If the requirement is for a fixed price bid, a bid submitted

with an adjustable price quotation will be treated as non-responsive and rejected, pursuant to ITB clause 23.

**11. Bid currencies:**

- 11.1 For domestic goods prices shall be quoted in Indian Rupees only. Commission for Indian Agent, if payable, shall also be quoted in Indian Rupees only in a manner as specified in ITB Clause No.12.2. For imported goods prices shall be quoted either in Indian Rupees or in the currency of the country of origin of goods, Bids, where prices are quoted 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 in the 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 & 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 manufacturer or producer to supply the goods in India.



- b) that the bidder has financial, technical and production capability necessary to perform the contract and, also, it meets the criteria 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 specifications.
- d) that such an agent [ w.r. to sub-para c above] is enlisted with Directorate General of Supplies & Disposals, Jeevan Tara Building, Sansad Marg, New Delhi –110 001, under the scheme of Ministry of Finance, Govt. of India for compulsory enlistment of Indian Agents.
- e) **An Agent cannot represent two suppliers or quote on their behalf in a particular tender, failing which all such quotations will be rejected as non-responsive.**

**14. Document establishing good's eligibility and conformity to bidding documents:**

- 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 documents may be in the form of literature, drawings, data etc. and shall consists 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 tolls, 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 Specifications' demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications'.

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 name 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 named and/or catalogue number in its bid,

provided that it demonstrates to the purchaser's satisfaction that the substitutions are substantially equivalent or superior to those mentioned in the 'Technical Specifications'.

**15. Bid security:**

15.1 Pursuant to clause 8, the bidder shall furnish as part of its bid, a bid security of an amount specified in the **Schedule of Requirements. i.e. 2.5% of the bidding amount.**

15.2 The bid security is required to protect the purchaser against risk of bidder's conduct, which would warrant the security's forfeiture, pursuant to ITB clause 15.7.

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.

**16. Period of validity of bids:**

- 16.1 Bids shall remain 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 upto 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 un-amended 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/despatching 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**. All the parties of bidding documents to be signed by bidder with the seal and bidding documents should be submitted without removing any pages.

#### **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 envelope, 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 the name of the equipment, item No. and the words “DO NOT OPEN BEFORE ...\*..... (\*The time and date of bid opening, as specified in the Bid Data Sheet shall be indicated here).

18.3.1 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 18.2, the purchaser will not assume any responsibility for the bid’s misplacement or premature opening.

18.5 **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 bids will be received up to the appointed time on the next working day. If the **Schedule of Requirements**

provides for receipt of bids through “tender box”, the bids shall be submitted accordingly as per the instruction given in the **Schedule of Requirements**.

- 19.2 The purchaser may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents 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 unopened 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 purchaser prior to the deadline prescribed for submission of bids.

- 21.2 The bidder’s modification or withdrawal notice shall be prepared, sealed, marked and dispatched in accordance with the provision 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 the bid form. Withdrawal of a bid during this interval may result in forfeiture of the Bidder’s bid 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 Technical bidders representatives, who choose to attend, at the time, date and the place specified in the **Schedule of Requirements**.

If the specified date of bid opening is declared a holiday for the purchaser, the bids 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 Technical 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 representatives, 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, 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 bid opening.
- 22.4 The purchaser will prepare appropriate minutes of the Technical bid opening for its official record.
- 22.5 The **PRICE BID** of those Bidder whose Bids are found Technically qualified and responsive will only be opened for which separate date and time shall be intimation by the office.

**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 & responsive bids**

- 24.1 The purchaser will examine the Technical 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 property signed, and whether the bids are generally in order. While examining the bids, the purchase will also keep in view the requirements as per ITB Clause 8.
- 24.2 Arithmetical errors, if any in a bid will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected accordingly. If there is a discrepancy between the words and figures, the amount in words shall prevail. If the 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 which 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 documents, without material deviations. Deviations from or

objections or reservations to the bidding documents' critical provisions, such as those concerning bid validity, technical specification, performance security, warranty obligations, Force Majeure, taxes & duties and applicable law (governing the contract) will be deemed to be material deviations. Bids from an agent without proper authorization from the manufacturer 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 Technical bid or consideration of a minor infirmity or non-conformity or irregularity if a bid is final.
- 24.6 If a Technical 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.
- 24.7 The Bidders whose Technical Bid is found to be Responsive, they will be informed in writing the date and time of opening their **PRICE BID**.

## **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 the State Bank of India for similar transactions as on the date of bid opening.

## **26. Evaluation and comparisons of Price 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 requirements 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 awards(s) for each schedule.
- 26.2 The comparison shall be on CIP destination 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 the **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) the cost of AMC for the Life Span of Equipment as stipulated in Annexure-III with following Term and condition.
  - i) **The AMC is non-comprehensive and includes all labours and transportation. Cost of spare parts required if any shall be paid by the purchaser . However, it will be the responsibility of the vendor to maintain the equipment in good working condition.**
  - ii) **The payment of AMC charges shall be paid after completion of AMC satisfactory on quarterly, half yearly or Annually basis, in no case payment in advance shall be made.**
  - iii) **The Director reserve the right to withdraw AMC at any time without assigning any reason and without any cost.**
- g) 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 Railway, 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 cost of these items and quantities will be computed from the corresponding unit prices quoted by the bidder and added to the bid price.

**Or**

iii) the purchaser will estimate the cost of spare parts usage in the initial period of operation specified in the **Schedule of Requirements**, based on the information furnished by each bidder, as well as on the past experience of the purchaser or other purchasers in similar situations. Such costs shall be added in the bid price for evaluation.

d) Availability of spare parts and after sales service facilities in India:

The cost to the purchaser of establishing the required service facilities and parts inventories, as outlined in the **Schedule of Requirements** or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

e) The projected operating and maintenance cost during the life of the equipment:

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

f) The cost of AMC for the life span of the equipment as stipulated by the purchaser with following Term and condition.

- i) **The AMC is non-comprehensive and includes all labours and transportation. Cost of spare parts required if any shall be paid by the purchaser . However, it will be the responsibility of the vendor to maintain the equipment in good working condition.**
  - ii) **The payment of AMC charges shall be paid after completion of AMC satisfactory on quarterly, half yearly or Annually basis, in no case payment in advance shall be made.**
  - iii) **The Director reserve the right to withdraw AMC at any time without assigning any reason and without any cost.**
- g) 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 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 of requirements without any change in the unit price or other terms and conditions.

**29. Contacting the purchaser:**

- 29.1 From the time of the bid opening to the time of awarding the contract, if a bidder wishes to contract the purchaser or any matter related to the bid, it should do so in writing.

29.2 Any effort by a bidder to influence the purchaser, in the purchaser's decision on bid evaluation, bid comparison or contract award shall result in the rejection of the bidder

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 determined 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 of 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, inter-alia, be mentioned in the purchase order.

32.2 The notification of award will constitute the formation of 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 of issue of the contract form by the purchaser, the successful bidder shall sign and date the contract and return it to the purchaser by registered post or speed post.

**34. Performance security:**

34.1 Within twenty-one (21) days of the 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.

**G- Technical Compliance statements**

**35. Technical Compliance Statement:**

35.1 Technical Compliance Statement as per format contained in section VIII is to be Submitted by the bidder should enclose relevant literature in support of their claim.

**SR. ADMINISTRATIVE OFFICER  
ICAR- DOGR, RAJGURUNAGAR**

SECTION –III

**GENERAL CONDITIONS OF CONTRACT [GCC]**

Table of Clauses

1	Definitions
2	Application
3	Country of origin
4	Standards
5	Use of contract documents and information
6	Patent rights
7	Performance security
8	Inspection and tests
9	Packing
10	Delivery of goods
11	Transportation
12	Insurance
13	Distribution of despatch documents
14	Incidental services
15	Spare parts .
16	Warranty
17	Payment
18	Prices
19	Modification of contract
20	Assignment
21	Sub contracts
22	Delays in suppliers' performance
23	Liquidated damages
24	Termination for default
25	Force Majeure
26	Termination for insolvency
27	Termination for convenience
28	Resolution of disputes'
29	Governing language
30	Applicable law,
31	Notices
32	Taxes and duties

## **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.
- j) "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.
- k) "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. .
- i) "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.
- m) "Supplier" means the individual or firm supplying the goods under a contract and includes its successor and/assignees.
- n) "Day" means calendar day, of the Gregorian calendar.
- o) "Month" means calendar month of the Gregorian calendar.

### **2 Application**

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

### **3 Country of origin.**

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

- a. 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, disclose the contract; or any provision thereof or any specification, plan; drawing, pattern, sample or information furnished by or on behalf of the purchaser in connection therewith, 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 third-party claims of infringement of patent, trade mark or industrial design rights arising from use of the goods or any part thereof in India.

#### **7 Performance security**

- 7.1 Within 21 (twenty one) days after the issue of notification of award by the purchaser, the supplier, shall furnish performance security to the purchaser for an amount of 10% (ten per cent) of the contract value, valid up to 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.

#### **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 confirm their conformity to the contract specification and other technical details incorporated in the contract at no extra cost to the purchaser. The **Schedule of Requirements** and the Technical Specification, incorporated in the bidding document, shall specify what inspections and tests, the purchaser requires and where and how they are to be 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.
- b. Should any inspected or tested goods fail to confirm 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-despatch 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 & 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 despatch 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 sizes and weights of the packing cases shall also take into consideration, where applicable, the available inland mode(s) of transport in India, the remoteness of the 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 deliver 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 deliver the goods C.I.F, or C.I.P., transportation of the goods to the port of destination or such other specified place of destination in India, as shall be mentioned in the contract, shall be arranged and paid for by the supplier and the cost thereof shall be included in the contract price.
- 11.3 Where the supplier is required under the contract to deliver the goods CIF or CIP within India, the supplier shall arrange the shipment by Indian flag vessels or vessels belonging to Conference lines in which India is a member. Where the supplier 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 Line 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 C.I.F. or C.I.P. basis, the supplier shall arrange and pay for the cargo insurance, naming the purchaser as the beneficiary. Where delivery is on F.O.B. basis, the insurance shall be the responsibility of the purchaser.
- 12.3 In the case of a contract on C.I.F. or C.I.P. basis, the insurance shall be for an amount equal to 110% (one hundred and ten percent) of the CIF or CIP value of the goods from "warehouse to warehouse" (*final destination*) on 'all risks' basis including war risks and strikes.

## **13. Distribution of despatch documents**

- 13.1 The shipping and other documents as well as despatch 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 despatch of the goods and the terms of delivery, as specified in the **Schedule of Requirements** and in 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 despatch by registered air-mail the specified number of copies of the following documents to the above authorities:

- i) Supplier's invoice showing contract number, description of goods, quantity, unit price and total amount;
- ii) Original and copies of the negotiable, clean, on-board bill of lading marked freight to pay and copies of non-negotiable bill of lading;
- 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 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 despatch of the goods, the supplier shall notify the complete despatch 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 (if so specified) and the supplier's factory inspection report; and
- vii) Certificate of origin

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

The document 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 of 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.

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

## 15 Spare parts

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

- a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this will not relieve the supplier of any warranty obligations under the contract; and
- b) in the event of termination of production of the spare parts:
  - 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 supplied goods under the conditions prevailing in India.

- 16.2 This warranty shall remain valid for 12 (twelve) months after the goods or any portion thereof as the case may be, have been delivered to the final destination and installed and commissioned at the final destination and accepted by the purchaser, in terms of the correct 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 correction of a defective 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 others as per GCC sub-clause 10.3 (a).
- b) Supplier's signed commercial invoice showing contract number, description of the supplied goods, corresponding quantity, unit price and the total value and name(s) of the consignee(s) for the supplied goods.
- c) Original clean on board bill of lading 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 **Schedule 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-despatch inspection certificate issued by the purchaser's nominated inspection agency, if 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 contract 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 Admn.II 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 a written order given to the supplier pursuant to GCC clause 31, make changes and modifications within the general scope, of contract\in any one or more of the following:

- a) drawings, designs or specifications, where goods to be supplied under the contract are to be specifically manufactured for the purchaser,
- b) the mode of packing,
- c) the mode of 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 equitable adjustment shall be made in the contract price or contract delivery schedule or both, and the contract shall be amended accordingly. Any claim by the supplier for adjustment under this clause must be asserted within 21 (twenty-one) days from the date of the supplier's receipt of the purchaser's amendment / modification of the contract.

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

**20 Assignment**

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

## **21. Sub Contracts**

- 21.1 The supplier shall notify the purchaser in writing of all sub-contracts awarded under the contract, if not already specified in its bid. Such notifications, in its original bid or later, shall not relieve the supplier from any liability or obligation, whatsoever, under the contract.
- 21.2 Subcontract shall be only for bought-out items and sub-assemblies.
- 21.3 Subcontracts must comply with the provisions of GCC clause 3.

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

- 22.1 Delivery of the goods and performance of the services shall be made by the supplier in accordance with the time schedule specified by the purchaser in the **“Schedule of Requirements”**.
- 22.2 Except as provided under GCC clause 25, any unexcused delay by the supplier in maintaining its contractual delivery obligations shall render the supplier liable to any of 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 notice, the purchaser, as soon as practicable, shall evaluate the situation and may at its 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, despatch 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 despatch. In case the supplier despatches 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 deliver any or all of the goods or perform the services within the time period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to 0.5 % ( half percent) of the delivered price of the delayed goods or unperformed services for each week of delay or part thereof until actual delivery or performance, up to a maximum deduction of 10 % (ten percent) of the delayed

goods' or services' contract price. Once the maximum is reached, the purchaser may consider termination of the contract, if the same have not been terminated already.

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

#### **24. Termination for default**

- 24.1 The purchaser, without prejudice to any other remedy for breach of contract, may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC clause 22.
- 24.2 In the event the purchaser terminates the contract in whole or in part, pursuant to GCC sub-clause 24.1, the purchaser may procure, upon such terms and conditions and in such manner as it deems appropriate, goods and/ or services similar to those undelivered and the supplier shall be liable to the purchaser for any excess cost for such similar goods and / or services. However, the supplier shall continue to perform the contract to the extent not terminated.

#### **25. Force Majeure**

- 25.1 Notwithstanding the provisions of GCC clauses 22, 23 and 24, the supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that its delay in performance or other failure to perform its obligations under the contract is the result of an event of force Majeure.
- 25.2 For purposes of this clause; "Force Majeure" means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restriction 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 difference by such mutual consultation the 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 both 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 lakhs (Rupees one and a half million) and below, the disputes or differences arising in it shall be referred to a sole arbitrator. The sole arbitrator shall be appointed by mutual agreement between the parties. If the parties fail to agree on the arbitrator within 30 (thirty) days from the receipt of a request by one party from the other party to so agree, the appointment shall be made upon request of a party, by the Indian Council of Arbitration or the President of the Institution of Engineers (India).
- 28.6 The venue 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. Notices**

- 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.**

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**SECTION -IV**

**SCHEDULE OF REQUIREMENTS**

There are three parts under Schedule of Requirements.

Part -1 mentions the details of requirements and allied services, schedule-wise separately. Part -2 provides the specific information and details in relation to the corresponding clauses of section II (Instructions to Bidders). Part -3 provides specific information and details in relation to the corresponding clauses of section III (General Conditions of Contract). Provision of clause 4.2 of Instruction to Bidders shall apply.

**Part – 1 of Schedule of Requirement (Section IV)**

<b>Sl. No.</b>	<b>Brief description of goods</b>	<b>Accounting unit</b>	<b>Quantity</b>	<b>Delivery Schedule</b>
1.	As in Section V	-	-	Within 2 months after placement of supply order. or by the date mention in the supply order which ever is earlier.
2.	Servicing	-	-	<b>Warranty :</b> Please specify the warranty period and also quote rate for trouble free maintenance for five years from the date of installation <b>Spare &amp; Service Support :</b> Please certify that the instrument supplied is of latest technology so that you would support us with service & Spares for next 10 years. <b>After sale service :</b> should have capability to provide good after sale service and technical support in a short notice within two days
3	A.M.C.	-	-	Please quote the AMC charges per year after expiry of Guarantee period.
4.	Consumables, spares and essential accessories	-	-	Rate and quantity for all required consumables spares and essential accessories should be quoted separately which can be used for five years for smooth maintenance of quoted equipment
5.	Training	-	-	Training at site for method development and instrument usage for two weeks or suitable period with our samples also if require.

**Part 2 of Schedule of requirement (Section IV)**

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

<b>A Introduction</b>	
ITB clause 1.1	Name of the purchaser : The Director, ICAR-Direcorate of Onion & Garlic Research Rajgurunagar, Pune – 410 505 Maharashtra Website: www.dogr.res.in, E-mail : director @dogr.res.in
<b>B The biddig documents</b>	
ITB clause 5.1	Purchaser's mailing address as given above
<b>C Preparation of bids</b>	
ITB clause 10.2	As mentioned in ITB clause 10.2
ITB clause 10.2.1(d)	The incidental services to be provided as specified in the Part 1 of Schedule of Requirements.
ITB clause 10.2.II(d)	The incidental services to be provided are specified in Part-1 of Schedule of Requirement.
ITB clause 10.5	Price quoted by the bidder shall remain firm and fixed during the currency of the contract and not subject to variation on any account.
ITB clause 13.2(b)	The bidder should have successfully manufactured and supplied the goods under this invitation for bids during two years counted from the date of bid opening. The bidder shall also furnish certified documentary evidence to this effect including all relevant details.
ITB clause 14.1	The amount of bid security shall be as indicated in the Schedule of Requirements i.e. 2.5% of the bid amount.
<b>D Submission of bids</b>	
ITB clause 17.1	Number of copies required is one in original.
ITB clause 18.2 (a)	Address for submission of bids, to be given on the envelope is The Director, ICAR-Direcorate of Onion & Garlic Research Rajgurunagar, Pune – 410 505 Maharashtra
ITB clause 18.2 (b)	Time and date of bid opening are as specified in Details IFB
ITB clause 19.1	Deadline for submission of bid as specified in Details IFB
<b>E Bid opening and bid evaluation</b>	
ITB 26.4	The bid evaluation will take into account the bid price quoted in accordance with ITB clause 10 and criteria listed in ITB clause 26.4 and 26.5.
ITB 26.5 (a), (b), (c), (d), (e)	The details may be furnished
ITB 26.5 (f)	Cost of AMC as per Annexure III may be furnished which is to be added to the Bid price for evaluation failing which Bid shall be rejected.



<b>F Award of contract</b>	
ITB clause 30.1 (read with ITB clause 28.1.)	As per ITB clause 30.1 and ITB clause 28.1
<b>G Technical Compliance Statements</b>	
ITB 35.1	Technical Specification Compliance statement as per proforma in section VIII is to be submitted along with Bidding documents failing which Bid shall be rejected.

**Part 3 of Schedule of requirement (Section IV)**

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

**1. Inspection and Test ( GCC Clause 8):**

- a. The inspection at the suppliers premises will be carried out by the ICAR-DOGR,Rajgurunagar if required and feasible before the actual despatch.
- b. The inspection at destination before acceptance will be undertaken by the concerned Scientist.

**2. Packing (GCC Clause 9) :**

Kindly ensure that the goods are suitably packed to withstand the transportation and handling.

**3. Insurance (GCC Clause 12):**

The goods covered under this contract shall be fully insured(all risk insurance) in Indian rupees for an amount of equal to 110% of the value of the goods against loss or damage to the equipment and the allied facilities at site during installation, commissioning and operation of the equipment.

**4. Distribution of Dispatch Documents (GCC Clause 13):**

The types of documents needed have been specified in GCC Clause 13. Original Airway bill along with two copies of the same will be needed alongwith other documents by port consignee. If the transport is by Ship, the original bill of lading along with two copies of the same, and other documents. While claiming the payment from the paying authority (including obtaining payment through letter of credit), the supplier is also required to submit original bill of lading or original airway bill as the case may be. Therefore, the supplier is to provide two sets of original bill of lading/airway bill-one to the port consignee and the other to the paying authority.

**5. Incidental Services (GCC Clause 14) :**

The cost of Incidental services mentioned under GCC Clause 14 shall be included in the contract price :

**6. Warranty (GCC Clause 16) :**

Minimum one year from the date of successful completion of installation.

The period of repairing /replacing the defective goods in terms of GCC sub-clauses 16.4 and 16.6. shall be 4 (four) weeks from the date of receipt of the notice

**7. Payment (GCC Clause 17) :**

The Director,  
Direcorate of Onion & Garlic Research  
(Indian Council of Agricultural Research)  
Rajgurunagar, Pune – 410 505 Maharashtra

**Prices (GCC Clause 18) :**

**Resolution of Disputes (GCC Clause 28) :**

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

**8. Notices (GCC Clause 31) :**

The address of the purchaser:-

The Director,  
Direcorate of Onion & Garlic Research  
(Indian Council of Agricultural Research)  
Rajgurunagar, Pune – 410 505 Maharashtra

suppliers shall provide its address for this purpose..

**For Reseach Work**

.....  
.....

**9. Taxes and Duties (GCC Clause 32) :**

- i. A foreign supplier shall be entirely responsible for all taxes, stamp duties, licence fees and other such levies imposed outside India.
- ii. A local supplier shall be entirely responsible for all taxes, duties, license fee, etc. incurred until delivery of the contracted goods to the purchaser.



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**ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH**  
**Rajgurunagar, Pune – 410 505, Maharashtra**  
Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



**SECTION – V**

**TECHNICAL SPECIFICATION  
AND QUALITY CONTROL REQUIREMENTS**

**PLEASE SEE ANNEXURE- I Pg. 57 No. to 68 (Item wise)**

**SECTION – VI**

**QUESTIONNAIRE**

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

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

registered and whether there is any monetary limit on your registration.

- (d) Are you registered under the Indian Companies Act, 1956 or any other Act?

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

9. Please indicate:-

Name & full address of your Banker(s):

10. Whether you are:

- (i) Manufacturer of the goods quoted; or
- (ii) Manufacturer's authorized agent for those goods.

11. State whether business dealings with you have been Currently banned by any Ministry / 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 Mssrs.

.....  
Name and address of the bidding firm)

**SECTION VII/1**

**BID FORM AND PRICE SCHEDULES**

Date .....

To  
The Director,  
ICAR-Direcorate of Onion & Garlic Research  
Rajgurunagar, Pune – 410 505 Maharashtra  
(designation and address of the purchaser )

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

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

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

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

We agree to abide by this bid validity period specified in the ITB clause 15 (read with the 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 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

1	2	3	4	5						6	7	8	
Schedule No./Item No.	Item description	Count y of origin	Accounting unit & Quantity	Ex- factory/ ex- warehouse / ex- showroom or off-the-shelf	Excise duty if any	Packing and forwarding	price per unit				Over all unit price	Total price	Sales tax payable, if contract is awarded
							Inland transportation	Insurance, other duties and taxes, if any (other than sales tax ) and incidental costs	Incidental services (including supervision)				
				(a)	(b)	(c)	(d)	(e)	(f)	[ a + b + c + d + e + f ]	3x6		

LOCATED WITHIN INDIA

Total bid price in Rupees: (in figures).....  
(in words).....

Place:  
Date:  
Note:

Signature of bidder  
Name  
Business address

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

PRICE SCHEDULE FOR GOODS TO BE IMPORTED FROM ABROAD

1	2	3	4	5			6	7	8	9	10	
				<b>Price per unit</b>								
Schedule No./Item No.	Item Description	Country of origin	Accounting unit & Quantity	Unit price FOB 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	Over all unit price	Total price	Indian agent's name	Indian agent's commission as a % of FOB price included in the quoted price	Shipment weight and volume
				(a)	(b)	(c)	(d)	[b+c+d ]	4x6			

Total bid price in 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 V (Technical Specification and Quality Control Requirements), the bidder shall give list of spare parts for two years operation separately indicating description, quantity, unit price and total price in the above format for those items whose scope of supply includes spare parts as per 'Technical Specifications' given in Section V.
- iii. 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] [hereinafter called "the bidder"] has submitted his bid dated..... [date] for the supply of ..... (brief description of the relevant goods and services) (hereinafter called "the bid").**

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

Sealed with the Common Seal of the said bank this.....Day of..... , 20....

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**

**MANUFACTURER'S AUTHORISATION FORM**

To  
The Director,  
Direcorate of Onion & Garlic Research  
(Indian Council of Agricultural Research)  
Rajgurunagar, Pune – 410 505 Maharashtra

(Name and address of the purchaser)

Dear Sirs,

Ref. Your Bidding Documents No.....

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

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

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

Yours faithfully

.....  
.....

[ signature, name and designation ]

for and on behalf of Messrs .....

[name & address of the manufacturers]

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

SECTION VII/4

**BANK GUARANTEE FORM FOR PERFORMANCE SECURITY**

To  
The Director,  
Direcorate of Onion & Garlic Research  
(Indian Council of Agricultural Research)  
Rajgurunagar, Pune – 410 505 Maharashtra

(Name and address of the purchaser)

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

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

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

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

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

We also hereby waive the necessity of your demanding the said amount from the supplier before  
pending 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 .....**  
**Name of the Bank and full address.**

**SECTION VII/5**  
**CONTRACT FORM**



**भाकृअनुप-प्याज एवं लहसुन अनुसंधान निदेशालय**  
**राजगुरुनगर, पुणे-४१०५०५ महाराष्ट्र**  
**ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH**  
**Rajgurunagar, Pune – 410 505, Maharashtra**  
Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



Contract No...  
Date.....

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

1. Name & address of the Supplier
2. Purchaser's bidding documents No ..... dated ..... (followed by further communication No. and date, if any, from the purchaser to the supplier)
3. Supplier's bid No..... dated ..... (followed by further communication No., and date, if any, from the supplier to 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 purchaser's Notification of Award.

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

5. Details of Performance Security

6. Brief particulars at the goods and services which shall be supplied / provided by the supplier are as under:

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

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

7. Delivery schedule.

8. Details of inspection, test and quality assurance

(a) Designation and address of inspection agency

(b) Mode(s) and place(s) of conducting inspections and tests.

9. Transit Insurance.

**10. Despatch 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 purchaser's authorized functionary  
signing the contract)  
For and on behalf of.....

Received and accepted this contract  
Agreement

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

.....  
(Seal of the supplier)  
Date:  
Place:



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SECTION VIII

**Technical Specification compliance statement form**

Item No. \_\_\_\_\_

Name of the Equipment \_\_\_\_\_

Sr. No. 1	Specification asked for as in section V 2	Specification offered 3

Mark (YES) if specification offered is as per tender or better. If not, specify the specification offered.  
An item-by-item commentary on the purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature/brouchers/manuals should be attached along with this format)

**Please Note:-**

1. Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.
2. Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid.

**SIGNATURE WITH STAMP OF THE BIDDERS**

Please see ANNEXURE-II Pg. 69 No.80 to (Item wise)



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Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.1**

**NAME OF EQUIPMENT : BRANDED WORK STATION (Under NICRA Project)**  
**QTY : 1 NO.**

<b>Specification</b>	
Processor	Dual intel Xeon Processor (6 Core HT, 25 MB Cache, 3.1 GHZ Turbo)
RAM	64 GB (4 x 16 GB)
HDD	3.5 inch 4 TB SATA 7.1 K RPM
Heat Sink	Dual Processor Heat sink
Optical Drive	8 x Slimline DVD +/- RW Drive
Cords	Power Cord (India)
Sensor	Chassis Intrusion Switch
Monitor	Ultra-Sharp U2412 M 24" Wide Screen monitor with LED Back Light
Graphics Card	NVIDIA Quadro K2200 4 GB
Speaker	Internal, No External Speaker
Network	Intergrated Network Card
Optical Mouse	USB Optical Mouse
Service	One year onsite Warranty
Keyboard	
Software	Windows latest Version 64 bit English
External Hard drive	3 x 1 TB
Antivirus	Three years

**Place of Delivery : ICAR-DOGR,Rajgurunagar**

**EMD Required Rs. 25000/-**



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**ANNEXURE- I (Section V)**  
(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION      ITEM NO.2**

**NAME OF EQUIPMENT : LEAF AREA METER (Under NICRA Project)**  
**QTY : 1 NO.**

Measuring Width	140-150 mm
Leaf thickness	10-20 mm
Length	30-40 mm
Resolution	0.01
Computer intrerface	USB 2.0
Memory Size	8000 measurements
Display	LCD-16 characterx2 lines
Operating temperature	0-50 °C
Battery	7.2 volt rechargeable NiMH
Other requirements 1	Instrument should be supplied with Scan board with inbuilt data logger, scanner, internal battery charger,USB 2.0 cable, communication software and operation system.
Other requirements 2	Non-destructive, fast measurement, should measure leaf area, length, width, perimeter, shape factor, aspect ratio, accumulated in one scan and average of each parameter
Service	One year onsite warranty.

**Place of Delivery : ICAR-DOGR, Rajgurunagar**

**EMD Required Rs. 18000/-**





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**Rajgurunagar, Pune – 410 505, Maharashtra**  
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**ANNEXURE- I (Section V)**  
(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION      ITEM NO.3**

**NAME OF EQUIPMENT: HUMIDIFIER**  
**QTY : 1 NO.**

<b>Specification</b>	
Humidity range	Ambent to 95% RH
Area Coverage	1200 to 2000 cuft enclosed space
Accuracy	+/- 5% RH
Sensor	Inbuilt
Chamber	Made up of rust proof steel/material

**Place of Delivery : ICAR-DOGR, Rajgurunagar**

**EMD Required Rs. 3000/-**



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ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH



Rajgurunagar, Pune – 410 505, Maharashtra  
Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in

**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.4**

**NAME OF EQUIPMENT : INCUBATOR-CUM-ORBITAL SHAKER**  
**QTY. : 1 No.**

Specification
chamber size: 500-600 x 500-600 x 300- 500 mm
Digital Speed Indicator controller
Digital temperature controller (4°C to 80°C )
Spring loaded SS Lotus Clamps,
Supplied with replicable/adjustable Lotus Clamps for conical flasks 100ml, 250ml, 500ml,
With one horizontal compartment, supplied with height adjustable 2 SS mesh

**Place of Delivery : ICAR-DOGR, Rajgurunagar**

**EMD Required Rs. 6000/-**



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ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH



Rajgurunagar, Pune – 410 505, Maharashtra  
Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in

**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.5**

**NAME OF EQUIPMENT: CC TV CAMERAS, THEIR INSTALLATION WITH INTER  
CONNECTIVITY AT HUB**

**QTY. : 1 NO.**

Sr.No.	Specification	Qty.
1	16 ch or above- NVR camera (HD camera with 2mp or above 2mp ) USB 2.0 version: 3 ports or more than 3 features: recording/play back/cloud base supported output to view in TV video, computer, mobile recorded data storage facility: external/internal -4 TB or more (to store recordings of 40 days approximately)	1 NO
2	2 MP IP HD bullet/dome/out door for day and night capture	10 NO
3	Monitor-to view all cameras as one go	1 NO
4	2 Megapixel or above, IP HD dome camera with vari-focal lens for day and night capture	2 NO
5	CC TV Cameras installation, interface connectivity of cameras to monitor hub,	
6	Connectivity by cabling or Wi-Fi, Appr. distance 500 meter gate to office (price quote needed for both types)	

**Place of Delivery : ICAR-DOGR, Rajgurunagar**

**EMD Required Rs.25000/-**



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**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.6**

**NAME OF EQUIPMENT: COMPACT CENTRIFUGE**

**QTY. : 1 NO.**

Specification
Micro filters separation, open lid option in case of power failure
Speed: 15000 rpm and above /
Option: xg or rpm
Capacity: 18-32 places of 2 mL rotors, 1.5 ml and 0.5ml adapter rotors

**Place of Delivery : ICAR-DOGR, Rajgurunagar**

**EMD Required Rs.5000**



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**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.7**

**NAME OF EQUIPMENT: SUPER CRITICAL FLUID EXTRACTOR**

**QTY. : 1 NO.**

Specification	
	<ul style="list-style-type: none"> <li>Extraction unit with CO2 pump</li> <li>Heat exchanger</li> <li>CO2 Recycle</li> <li>Modifier Pump for Polar Solvents</li> </ul>
Circulating Chiller bath	<ul style="list-style-type: none"> <li>800 BTU/hr. 15 liter/min. Temp; -10° C to 40°C, Noise free and microprocessor controlled.</li> </ul>
<ul style="list-style-type: none"> <li>System should be capable of using HFC Solvent in place of CO2</li> <li>The system should be equipped with necessary safety pressure valve.</li> <li>Operation temperature :</li> </ul>	<ul style="list-style-type: none"> <li>Ambient to 90 degree C or more: pressure : Ambient to 10,000 psi (680 BAR)</li> </ul>
<ul style="list-style-type: none"> <li>Pump Flow rate :</li> <li>Extraction Vessel :</li> </ul>	<ul style="list-style-type: none"> <li>0-300 mL/min. or better</li> <li>Should be able to use 500 mL. vessel for reaction and extraction purposes (Should be able to use these vessels up to max. pressure of 10,000 psi/680 BAR)</li> </ul>
<ul style="list-style-type: none"> <li>Collection Vessel :</li> </ul>	<ul style="list-style-type: none"> <li>Minimum 300ml (Should be able to use these vessels up to max. pressure of 10,000psi and 680 BAR)</li> </ul>
<ul style="list-style-type: none"> <li>Independent temperature and pressure control of extraction vessel and separator vessel.</li> <li>Data Operation system</li> <li>Provide CO2 cylinder, HFC Cylinder, and chiller.</li> </ul>	
<b>Spare Parts</b>	<ul style="list-style-type: none"> <li>Pressurized (accelerated) solvent extraction and sub critical water extraction</li> </ul>
<b>Optional</b>	<ul style="list-style-type: none"> <li>Cyclone Separator: 100mL, 500mL, 300mL, 100mL cyclonic</li> <li>Separator vessel assemblies (to 10,000 psi/680 BAR)</li> <li>Stirrer addition capability (optional stirrer assembly)</li> </ul>
<b>Warranty</b>	2 years Comprehensive warranty from the date of installation
<b>AMC</b>	Optional 3 years should be quoted separately
<b>Installation</b>	Free installation and demo
<b>Certification</b>	ISO or equivalent.

Place of Delivery: ICAR-DOGR, Rajgurunagar

EMD Required Rs.100000/-



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**ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH**

**Rajgurunagar, Pune – 410 505, Maharashtra**  
 Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.8**

**NAME OF EQUIPMENT ITEM : GRADIENT THERMAL CYCLER PCR MACHINE**  
**QTY : 1 NO.**

Sr.No.	Technical Specification	96 -well block	384-well block
1.	Maximum block Ramp Rate	6 °C/Sec	4°C/Sec
2.	Block Temperature Range	4°C to 99°C	4°C to 99°C
3.	Temperature Accuracy	±0.2° (@95°C)	±0.2° (@95°C)
4.	Temperature Uniformity	±0.4° (@95°C)	±0.4° (@95°C)
5.	Gradient	Yes	Yes
6.	Gradient Temperature Range	30°C to 99°C	30°C to 99°C
7.	Gradient	12 Rows of gradient	12 Rows of gradient
8.	Maximum Gradient	30°C	30°C
9.	Volume Capacity	10-100 µl	5-25 µl
10.	Memory Capacity	10,000 Protocols	
11.	Pre-loaded Protocols	Yes	
12.	PCR Wizard	Yes	
13.	Display size	7 inches	
14.	Display Resolution	800 x 480.	
15.	Display Type	Full Touch Screen, 7"LCD touch screen, with intuitive easy-to-use software	
16.	Ports	2 x USB 2.0	
17.	Dimensions	26 x 41 x 27 cm	
18.	Weight	12.4 kg.	
19.	Instrument offering	Fast cycling (6 °C/sec ramp) and large volumes capacity (10-100µL)	
20.	Devices	Remote access to start, stop, program, and monitor experiments from most web enabled devices.	
21.	Wells	Interchangable 96-well format to the higher volume 384-well modules, both block offer gradient capability	
22.	System memory	10000 Protocols	
23.	Standard Warranty	2 year	

**Place of Delivery : ICAR-DOGR, Rajgurunagar**  
**EMD Required Rs.25000/-**



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**ANNEXURE- I (Section V)**  
(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.9**

**NAME OF EQUIPMENT ITEM :VAPOUR PRESSURE OSMOMETER**

**QTY : 1 NO.**

Sr.No.	Technical Specification	
1.	Molecular weight range aqueous	Up to 10000 g/mol
2.	Concentration range	1 x 10 <sup>-3</sup> -15 molal
3.	Sensitivity	3.3 x 10 <sup>-5</sup> mol/kg in toluene, 1.7 x 10 <sup>-4</sup> mol/kg in water
4.	Min. sample volume approx.	10 µl (one drop)
5.	Sample capacity	Up to 4 samples
6.	Test time	75 Sec-5 minutes per measurement
7.	Cell temperature range	15-130 °C
8.	Δ T head thermostat	0-6 °C
9.	Warm-up time	5-40°C, 0.5 h; 40-60°C, 1.0 h; 60-100°C, 1.5 h; 100-130°C, 2.0 h
10.	Syringes	1 ml, glass with Teflon® stainless steel piston
11.	Min. cell solvent volumec	20 ml.
12.	Gain	1-256
13.	Output	Rs-232 data connection to PC; 1 V analog signal for records
14.	Display	LCD 2 lines, 24 characters each power supply 90-260 V, 47-63 Hz, max 60 VA
15.	Dimensions/Weight	160 x 182 x 340 mm (WxHxD) / 5.4 kg.
16.	Measurement range	0-3200mmol/kg.
17.	Resolution	1 mmol/kg.
18.	Linearity	2% of reading from 100-2000mmol/kg.
19.	Warranty	1 year (Parts and Labour)
19.	Certified	CE Certified
20.	Power	Less than 5 watts.

**Place of Delivery : ICAR-DOGR,Rajgurunagar**  
**EMD Required Rs.40000**



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**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.10**

**NAME OF EQUIPMENT ITEM : DEWPOINT POTENTIOMETER**

**QTY : 1 NO.**

Sr.No.	Technical Specification	
1.	Accuracy	±0.1 MPa from 0 to-10 MPa 1% from -10 to -300 MPa
2.	Range	0 to -300 MPa
3.	Measurement Time	~5 minutes for most soil samples ~20 minutes for plant tissue samples
4.	Temperature Control	15 to 50°C (± 0.2°C)
5.	Sensor Type	1) Chilled-mirror dewpoint sensor 2) Infrared temperature sensor
6.	Operating Environment	5 to 43°C (41 to 110°F)
7.	Universal Power	5 to 43°C (41 to 110°F)
8.	Warranty	1 year, parts and labour
9.	Sample dish Capacity	7 ml recommended (15 ml. ,full)
10.	Weight	3.2 kg. (5.2 kg. shipping weight)
11.	Dimensions	24.1 x 22.9 x 8.9 cm (9.5 x 9.0 x 3.5 in)
12.	Case material	Powder-painted aluminium
13.	Data Communications	RS232 compatible 8-data bit ASCII code 9600 baud No parity 1 stop bit.
14.	Display	20x 2 alphanumeric dot matrix x LCD with backlighting
15.	Interface Cable	Standard RS232 serial cable (included)
16.	Resolution	0.1 MPa

**Place of Delivery : ICAR-DOGR,Rajgurunagar**

**EMD Required Rs.40000**





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**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.11**

**NAME OF CONSUMABLE ITEM : DRIP INLINE LATERAL**

**QTY.**

**: 50,000 mtrs..(30000 mtrs for Kalus farms and 20000 mtrs for DOGR, Rajgurunagar**

Specification
Drip Inline Lateral 16mm x 30cm x 4Lph
Make Reputed firm

**Place of Delivery : ICAR-DOGR,Rajgurunagar & Kalus Farm**

**EMD Required Rs.21725/-**



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**ANNEXURE- I (Section V)**

(To be attached along the Technical Bid)

**TECHNICAL SPECIFICATION**

**ITEM NO.12**

**NAME OF CONSUMABLE ITEM : ADVANCE FORCE GAUGE (DUROMETER)  
(BUY BACK)**

**Qty. : 1 NO.**

<b>Particulars/Specification</b>	
<b><u>Old Details</u></b>	<b><u>New Specification</u></b>
Advance Force Gauge (Durometer) AFG 1000N Serial No. 04-0185-04 Part No. 850-009	<b><u>Purchase of Advance Force Gauge 1000 N alongwith MDD Manual Test Stand on buyback basis:</u></b>
	Capacity : - 1000 N / 100 kgf/220 1bf
	Tension and compression measuring
	Accuracy $\pm 0.1\%$ of full-scale
	1 <sup>st</sup> and ultimate peak capture
	Data output – RS232, digimatic and analogue
	Ability to invest display on gauge
	Pass/Fail Alarms – audible and visual
	Overload warning with trend bar
	Wide range of grips and fixtures key
	Mains adaptor / charger
	Including all essential parts and accessories
	<b><u>MDD-Manual Test Stand 1000N :-</u></b>
	Specification :
	Capacity – 1000 N / 100 kgf/220 1bf
	Cross head travel (both direction) 2 mas per hand wheel revolution
	Effective cross head travel: 370 mm with AFG force gauge but without accessories and height scale (400 mm with BFG) 350 mm with AFG / BFG force gauge and height scale but without accessories. Maximum load : 1000N/100 kgf/220 1bf, weight : 6 kg
	Compressor plate hardened and ground 70 mm

**Place of Delivery :ICAR-DOGR,Rajgurunagar  
EMD Required Rs.7500/-**



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**SECTION VIII**  
**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.1**

NAME OF EQUIPMENT : **BRANDED WORK STATION (Under NICRA Project)**  
QTY : **1 NO.**

	Specification	Specification Offered
Processor	Dual intel Xeon Processor (6 Core HT, 25 MB Cache, 3.1 GHZ Turbo)	
RAM	64 GB (4 x 16 GB)	
HDD	3.5 inch 4 TB SATA 7.1 K RPM	
Heat Sink	Dual Processor Heat sink	
Optical Drive	8 x Slimline DVD +/- RW Drive	
Cords	Power Cord (India)	
Sensor	Chassis Intrusion Switch	
Monitor	Ultra-Sharp U2412 M 24" Wide Screen monitor with LED Back Light	
Graphics Card	NVIDIA Quadro K2200 4 GB	
Speaker	Internal, No External Speaker	
Network	Intergrated Network Card	
Optical Mouse	USB Optical Mouse	
Service	One year onsite Warranty	
Keyboard		
Software	Windows latest Version 64 bit English	
External Hard drive	3 x 1 TB	
Antivirus	Three years	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specification or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature/brochures/manuals should be attached along with this format)

Please Note:

Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid

**SIGNATURE WITH STAMP OF THE BIDDERS**



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ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH  
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**SECTION VIII**  
**ANNEXURE- II**

(To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.2**

**NAME OF EQUIPMENT : LEAF AREA METER (Under NICRA Project)**  
**QTY. : 1 NO.**

Specification		Specification offered
Measuring Width	140-150 mm	
Leaf thickness	10-20 mm	
Length	30-40 mm	
Resolution	0.01	
Computer intrerface	USB 2.0	
Memory Size	8000 measurements	
Display	LCD-16 characterx2 lines	
Operating temperature	0-50 °C	
Battery	7.2 volt rechargeable NiMH	
Other requirements 1	Instrument should be supplied with Scan board with inbuilt data logger, scanner, internal battery charger,USB 2.0 cable, communication software and operation system.	
Other requirements 2	Non-destructive, fast measurement, should measure leaf area, length, width, perimeter, shape factor, aspect ratio, accumulated in one scan and average of each parameter	
Service	One year onsite warranty.	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specification or a statement of deviations and exceptions to the provision of the Technical Specifications. (Technical literature/brochures/manuals should be attached along with this format)

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**SECTION VIII**  
**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.3**

**NAME OF EQUIPMENT\_ : HIMIDIFIER**  
**QTY. : 1 NO.**

Specification		Specification offered
Humidity range	Ambent to 95% RH	
Area Coverage	1200 to 2000 cuft enclosed space	
Accuracy	+/- 5% RH	
Sensor	Inbuilt	
Chamber	Made up of rust proof steel/material	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

ITEM NO.4

**NAME OF EQUIPMENT: INCUBATOR-CUM-ORBITAL SHAKER**  
**QTY. : 1 NO.**

Specification	Specification Offered
chamber size: 500-600 x 500-600 x 300- 500 mm	
Digital Speed Indicator controller	
Digital temperature controller (4°C to 80°C )	
Spring loaded SS Lotus Clamps,	
Supplied with replicable/adjustable Lotus Clamps for conical flasks 100ml, 250ml, 500ml, With one horizontal compartment, supplied with height adjustable 2 SS mesh	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specification or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature/brochures/manuals should be attached along with this format)

Please Note:

Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.5**

**NAME OF EQUIPMENT: CC TV CAMERAS, THEIR INSTALLATION WITH INTER  
CONNECTIVITY AT HUB**

**QTY. : 1 NO.**

Sr. No.	Specification	Qty	Specification offered
1	16 ch or above- NVR camera (HD camera with 2mp or above 2mp ) USB 2.0 version: 3 ports or more than 3 features: recording/play back/cloud base supported output to view in TV video, computer, mobile recorded data storage facility: external/internal -4 TB or more (to store recordings of 40 days approximately)	1 No.	
2	2 MP IP HD bullet/dome/out door for day and night capture	10 NO	
3	Monitor-to view all cameras as one go	1 NO	
4	2 Megapixel or above, IP HD dome camera with vari-focal lens for day and night capture	2 NO	
5	CC TV Cameras installation, interface connectivity of cameras to monitor hub,		
6	Connectivity by cabling or Wi-Fi, Appr. distance 500 meter gate to office (price quote needed for both types)		

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specification or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature/brochures/manuals should be attached along with this format)

Please Note:

Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

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**SECTION VIII**  
**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.6**

**NAME OF EQUIPMENT: COMPACT CENTRIFUGE**  
**QTY. : 1 NO.**

Specification	Specification offered
Micro filters separation,	
open lid option in case of power failure	
Speed: 15000 rpm and above /	
Option: xg or rpm	
Capacity: 18-32 places of 2 mL rotors, 1.5 ml and 0.5ml adapter rotors	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature/brochures/manuals should be attached along with this format)

Please Note:

Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid

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-75-

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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.7**

**NAME OF EQUIPMENT: SUPER CRITICAL FLUID EXTRACTOR**

**QTY. : 1 NO.**

	Specification	Specification offered
	<ul style="list-style-type: none"> <li>Extraction unit with CO2 pump</li> <li>Heat exchanger</li> <li>CO2 Recycle</li> <li>Modifier Pump for Polar Solvents</li> </ul>	
Circulating Chiller bath	<ul style="list-style-type: none"> <li>800 BTU/hr. 15 liter/min. Temp; -10 °C to 40°C, Noise free and microprocessor controlled.</li> </ul>	
	<ul style="list-style-type: none"> <li>System should be capable of using HFC Solvent in place of CO2</li> <li>The system should be equipped with necessary safety pressure valve.</li> <li>Operation temperature :</li> </ul>	
	<ul style="list-style-type: none"> <li>Pump Flow rate :</li> <li>Extraction Vessel :</li> </ul>	<ul style="list-style-type: none"> <li>Ambient to 90 degree C or more: pressure : Ambient to 10,000 psi (680 BAR)</li> <li>0-300 mL/min. or better</li> <li>Should be able to use 500 mL. vessel for reaction and extraction purposes (Should be able to use these vessels up to max. pressure of 10,000 psi/680 BAR)</li> </ul>
	<ul style="list-style-type: none"> <li>Collection Vessel :</li> <li>Independent temperature and pressure control of extraction vessel and separator vessel.</li> <li>Data Operation system</li> <li>Provide CO2 cylinder, HFC Cylinder, and chiller.</li> </ul>	<ul style="list-style-type: none"> <li>Minimum 300ml (Should be able to use these vessels up to max. pressure of 10,000psi and 680 BAR)</li> </ul>
<b>Spare Parts</b>	<ul style="list-style-type: none"> <li>Pressurized (accelerated) solvent extraction and sub critical water extraction</li> </ul>	
<b>Optional</b>	<ul style="list-style-type: none"> <li>Cyclone Separator: 100mL, 500mL, 300mL, 100mL cyclonic</li> <li>Separator vessel assemblies (to 10,000 psi/680 BAR)</li> <li>Stirrer addition capability (optional stirrer assembly)</li> </ul>	
<b>Warranty</b>	2 years Comprehensive warranty from the date of installation	
<b>AMC</b>	Optional 3 years should be quoted separately	
<b>Installation</b>	Free installation and demo	
<b>Certification</b>	ISO or equivalent.	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications. (Technical literature/brochures/manuals should be attached along with this format)

Please Note:

Compliance/Deviation statement comparing the specification of the quoted model to the required specifications. This statement should also give the last page of the technical literature where the relevant specification is mentioned.

Bids must have supporting documents (technical) literature of copies of relevant pages from the service manual or factory test (data) for the points noted above, failure regarding which may result in rejection of bid

**SIGNATURE WITH STAMP OF THE BIDDER**



## भाकृअनुप-प्याज एवं लहसुन अनुसंधान निदेशालय

राजगुरुनगर, पुणे-४१०५०५ महाराष्ट्र

ICAR-DIRECTORATE OF ONION AND GARLIC RESEARCH

Rajgurunagar, Pune – 410 505, Maharashtra

Phone (02135) 222026, 222697, Fax (02135) 224056 Email:director@dogr.res.in



### SECTION VIII

### ANNEXURE- II

(To be submitted with the Technical bid)

### TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

### ITEM NO.8

NAME OF EQUIPMENT ITEM : GRADIENT THERMAL CYCLER PCR MACHINE

QTY . : 1 NO.

Sr.No.	Technical Specification	Specification offered	
Parameters	96-well block	384-well block	
1.	Maximum block Ramp Rate	6 °C/Sec	4°C/Sec
2.	Block Temperature Range	4°C to 99°C	4°C to 99°C
3.	Temperature Accuracy	±0.2° (@95°C)	±0.2° (@95°C)
4.	Temperature Uniformity	±0.4° (@95°C)	±0.4° (@95°C)
5.	Gradient	Yes	Yes
6.	Gradient Temperature Range	30°C to 99°C	30°C to 99°C
7.	Gradient	12 Rows of gradient	12 Rows of gradient
8.	Maximum Gradient	30°C	30°C
9.	Volume Capacity	10-100 µl	5-25 µl
10.	Memory Capacity	10,000 Protocols	
11.	Pre-loaded Protocols	Yes	
12.	PCR Wizard	Yes	
13.	Display size	7 inches	
14.	Display Resolution	800 x 480.	
15.	Display Type	Full Touch Screen, 7"LCD touch screen, with intuitive easy-to-use software	
16.	Ports	2 x USB 2.0	
17.	Dimensions	26 x 41 x 27 cm	
18.	Weight	12.4 kg.	
19.	Instrument offering	Fast cycling (6 °C/sec ramp) and large volumes capacity (10-100µL)	
20.	Devices	Remote access to start, stop, program, and monitor experiments from most web enabled devices.	
21.	Wells	Interchangeable 96-well format to the higher volume 384-well modules, both block offer gradient capability	
22.	System memory	10000 Protocols	
23.	Standard Warranty	2 year	

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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.9**

**NAME OF EQUIPMENT ITEM :VAPOUR PRESSURE OSMOMETER**

**QTY. : 1 NO.**

Sr. No.	Technical Specification		Specification offered
1.	Molecular weight range aqueous	Up to 10000 g/mol	
2.	Concentration range	1 x 10 <sup>-3</sup> -15 molal	
3.	Sensitivity	3.3 x 10 <sup>-5</sup> mol/kg in toluene, 1.7 x 10 <sup>-4</sup> mol/kg in water	
4.	Min. sample volume approx.	10 µl (one drop)	
5.	Sample capacity	Up to 4 samples	
6.	Test time	75 Sec-5 minutes per measurement	
7.	Cell temperature range	15-130 °C	
8.	Δ T head thermostat	0-6 °C	
9.	Warm-up time	5-40°C, 0.5 h; 40-60°C, 1.0 h; 60-100°C, 1.5 h; 100-130°C, 2.0 h	
10.	Syringes	1 ml, glass with Teflon® stainless steel piston	
11.	Min. cell solvent volume	20 ml.	
12.	Gain	1-256	
13.	Output	Rs-232 data connection to PC; 1 V analog signal for records	
14.	Display	LCD 2 lines, 24 characters each power supply 90-260 V, 47-63 Hz, max 60 VA	
15.	Dimensions/Weight	160 x 182 x 340 mm (WxHxD) / 5.4 kg.	
16.	Measurement range	0-3200mmol/kg.	
17.	Resolution	1 mmol/kg.	
18.	Linearity	2% of reading from 100-2000mmol/kg.	
19.	Warranty	1 year (Parts and Labour)	
19.	Certified	CE Certified	
20.	Power	Less than 5 watts.	

Mark (YES) if specification offered is as per tender or better, if not, specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications. (Technical literature/brochures/manuals should be attached along with this format)

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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.10**

**NAME OF EQUIPMENT ITEM :DEWPOINT POTENTIOMETER**

**QTY. : 1 NO.**

Sr.No.	Technical Specification	Specification offered
1.	Accuracy	±0.1 MPa from 0 to-10 MPa 1% from -10 to -300 MPa
2.	Range	0 to -300 MPa
3.	Measurement Time	~5 minutes for most soil samples ~20 minutes for plant tissue samples
4.	Temperature Control	15 to 50°C (± 0.2°C)
5.	Sensor Type	1) Chilled-mirror dewpoint sensor 2) Infrared temperature sensor
6.	Operating Environment	5 to 43°C (41 to 110°F)
7.	Universal Power	5 to 43°C (41 to 110°F)
8.	Warranty	1 year, parts and labour
9.	Sample dish Capacity	7 ml recommended (15 ml., full)
10.	Weight	3.2 kg. (5.2 kg. shipping weight)
11.	Dimensions	24.1 x 22.9 x 8.9 cm (9.5 x 9.0 x 3.5 in)
12.	Case material	Powder-painted aluminium
13.	Data Communications	RS232 compatible 8-data bit ASCII code 9600 baud No parity 1 stop bit.
14.	Display	20x 2 alphanumeric dot matrix x LCD with backlighting
15.	Interface Cable	Standard RS232 serial cable (included)
16.	Resolution	0.1 MPa

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.  
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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.11**

**NAME OF CONSUMABLE ITEM : DRIP INLINE LATERAL**

**QTY.**

**: 50,000 mtrs.(30000 mtrs for Kalus farms and 20000 mtrs  
for DOGR, Rajgurunagar**

Specification	Specification offered
Drip Inline Lateral 16mm x 30cm x 4Lph Make Reputed firm	

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications.

(Technical literature/brochures/manuals should be attached along with this format)

Please Note:

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**SECTION VIII**

**ANNEXURE- II**

( To be submitted with the Technical bid)

**TECHNICAL SPECIFICATION COMPLIANCE STATEMENT**

**ITEM NO.12**

**NAME OF CONSUMABLE ITEM : ADVANCE FORCE GAUGE (DUROMETER)**

**(BUY BACK)**

**QTY..**

**: 1 NO.**

<b>Old Details</b>	<b>Specification</b>	<b>Specification offered</b>
Advance Force Gauge (Durometer) AFG 1000N Serial No. 04-0185-04 Part No. 850-009	<b><u>Purchase of Advance Force Gauge 1000 N alongwith MDD Manual Test Stand on buyback basis:</u></b>	
	Capacity : - 1000 N / 100 kgf/220 1bf	
	Tension and compression measuring	
	Accuracy $\pm 0.1\%$ of full-scale	
	1 <sup>st</sup> and ultimate peak capture	
	Data output – RS232, digimatic and analogue	
	Ability to invest display on gauge	
	Pass/Fail Alarms – audible and visual	
	Overload warning with trend bar	
	Wide range of grips and fixtures key	
	Mains adaptor / charger	
	Including all essential parts and accessories	
	<b><u>MDD-Manual Test Stand 1000N :-</u></b>	
	Specification :	
	Capacity – 1000 N / 100 kgf/220 1bf	
	Cross head travel (both direction) 2 mas per hand wheel revolution	
Effective cross head travel: 370 mm with AFG force gauge but without accessories and height scale (400 mm with BFG) 350 mm with AFG / BFG force gauge and height scale but without accessories. Maximum load : 1000N/100 kgf/220 1bf, weight : 6 kg		
Compressor plate hardened and ground 70 mm		

Mark (YES) if specification offered is as per tender or better, if not , specify the specification offered. An item-by item commentary on the purchaser's Technical Specification demonstrating substantial responsiveness of the goods and services of those specifications or a statement of deviations and exceptions to the provision of the Technical Specifications. (Technical literature/brochures/manuals should be attached along with this format)

Please Note:

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**ANNEXURE- III**  
**FINANCIAL BID**

**Format for Comprehensive AMC**  
**for Five years ( After Warrenty Period)**

( To be returned by Bidders duly completed and signed attached along with the Financial Bid)

**NAME OF EQUIPMENT:** \_\_\_\_\_

**ITEM NO. :** \_\_\_\_\_

Sr. No	Description	Rate (Principal Amt.)		
1		1)	1st year	
		2)	2nd year	
		3)	3rd year	
		4)	4th year	
		5)	5th year	

Gross total of cost Rs. (in figures)  
Rupees .....in words) Exclusive of Taxes

- N. B. :** 1) The AMC is non-comprehensive and includes all labours and transportation. Cost of spare parts required if any shall be paid by the purchaser . However, it will be the responsibility of the vendor to maintain the equipment in good working condition.  
2) The payment of AMC charges shall be paid after completion of AMC satisfactory on quarterly, half yearly or Annually basis, in no case payment in advance shall be made.  
3) The Director reserve the right to withdraw AMC at any time without assigning any reason and without any cost.

(Bidder)

Name : .....

Signature : .....

Date : .....



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**ANNEXURE- IV**

**CHECK-LIST**

(To be attached with the Technical Bid Documents)

**NAME OF EQUIPMENT:** \_\_\_\_\_

**ITEM NO.** \_\_\_\_\_

Sr. No.	Check point	For Bidder (Yes/No)	Page No at which document is placed.	For office use
(I)	<b>GENERAL</b>			
1	Have you read and understood various instructions and terms and conditions of the contract stipulated in the tender documents and shall abide by them?			
2	Have you seen, read and understood the clarification/corrigendum, if any issued by the Office on the web-site in pursuance of the pre-bid meeting held on _____ A copy of the same should also be attached, duly signed along-with the tender documents.			
3	Have you submitted separately the Technical Bid in Envelope-1 and Financial Bid in Envelope 2 and put both the envelopes in the main envelope duly superscribed and sealed? UNSEALED TENDERS WILL NOT BE ACCEPTED. All the three envelopes should be duly sealed.			
4.	Bank Details for payment through RTGS			
(II)	<b>TECHNICAL BID</b>			
A	Have you submitted the following documents as stated in the tender documents -			
1	Have you attached the Account Payee Demand Draft/Pay Order drawn from a nationalized/scheduled bank in favour of "Director, DOGR" payable at Rajgurunagar for Rs.500/- towards the non-refundable cost of tender documents in case the tender documents have been uploaded from the web-site.			
2	Have you attached a photocopy of the Cash Receipt issued by the Office for Rs.500/- towards the non-refundable cost of tender documents in case the tender documents have been obtained from the office?			
3	Have you attached the Account Payee Demand Draft/Pay Order drawn from a nationalized/scheduled bank in favour of "Director, DOGR" payable at Rajgurunagar towards the bid security (Earnest Money Deposit).			
4	Have you taken prints of the entire tender document and signed on all the pages of the Tender documents?			



5	Have you given consecutive page numbers for the entire bid document covering all the page numbers including additional pages/documents with reference and duly signed? Any wrong page numbering will be the responsibility of the bidder.			
7	Have you attached Chartered Accountant certified audited Balance Sheets and Audit Reports for the last years i.e. 2015-16?			
8	Have you attached self attested copy of the PAN Card of the firm issued by the Income-Tax Department?			
10	Have you attached self attested copy of TIN/TAN issued by the concerned authorities?			
11	Have you attached the proof of authorization to sign and submit the bids on behalf of the bidder as per Form-7?			
12	Have you filled in and signed the Bidder's profile?			
13	Have you attached any other relevant document in compliance as specified in the bid document?			
14	Technical compliance statement as per Annexure II alongwith relevant literature			
15	Have you submitted Authorization letter from original manufacturer for Domestic/Foreign in prescribed format?			
16	Has your technical bid been packed as per the instructions given in the Tender in a separate Envelope-1 duly superscribed and sealed?			
<b>III</b>	<b>FINANCIAL BID</b>			
1	Has your financial bid proposal duly filled in words and figures, sealed and signed on all the pages?as <b>section VII/I of Bid Document</b>			
2	Have you ensured that the price bid has been submitted and duly signed in the prescribed format as stated in the tender documents? <b>(Section VII/I) and cost of AMC (Annexure III) wherever required.</b>			
3	Have you ensured that there are no overwritings, erasing or cuttings or arithmetical errors in the rates quoted in words and figures by the tenderer. Any overwriting/erasing or cutting in the rates quoted by the tenderer will not be allowed, otherwise the tenders may be rejected.			
4	Has your financial bid been packed as per the instructions given in the Tender in a separate Envelope-2 duly superscribed and sealed?			

**Please Note:-**

Yes or No may be mentioned as per the documents enclosed **failing which their bid will be treated as non-responsive and rejected.**

**SIGNATURE WITH STAMP OF THE BIDDERS**

