



Hkk. d'. v. i. - i q̄i foKku vud̄ akku funs' kky;

I.C.A.R. - Directorate of Floricultural Research

Df'k egkfo | ky; i fj | j] f' kokth uxj] i qk&411005

College of Agriculture Campus, Shivaji Nagar, Pune-411005

F No 29-8/2016-DFR

Dated 27.05.2016

Tender
Documents for
Procurement of
Various
Equipments



हक. द. व. ि. - ि ढि फोककु वुढ ढकु फुनस ककु;
I.C.A.R. - Directorate of Floricultural Research
ढफुक एगकुफो | कु; ि फुलु ङु] फुकुतु ँखु] ि कुकु 411005
College of Agriculture Campus, Shivaji Nagar, Pune-411005

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SECTION-I
INVITATION FOR BIDS (IFB)



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I.C.A.R. - Directorate of Floricultural Research

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College of Agriculture Campus, Shivaji Nagar, Pune-411005

DETAILED INVITATION FOR BIDS (IFB)

1. The Director, **ICAR-DFR, Pune**, invites **SEALED tender** in two bid system from the reputed Indian manufacturers or their authorized agents in respect of Forgien Manufactures dealing with the supply of the following equipment:-

Item No.	Name of Equipment	Qty.	Estimate cost in lakhs (Rs.)	EMD (Rs.)	Delivery Place
1.	Vacuum Packing Machine with MAP	1No	15 lakh	45,000/-	ICAR-DFR, Shivajinagar, Pune
2.	Incubator Shaker	1No	03 Lakh	9,000/-	ICAR-DFR, Shivajinagar, Pune
3.	PCR/Thermal Cycler	1No	07 lakh	21,000/-	ICAR-DFR, Shivajinagar, Pune
4.	Ice Machine	1No	01 Lakh	3,000/-	ICAR-DFR, Shivajinagar, Pune
5.	Ultra Low Temperature Freezer - 80°C	1No	5 Lakh	15,000/-	ICAR-DFR, Shivajinagar, Pune
6.	Microscope with Photographic Arrangement and image Analyzer	1No	10 Lakh	30,000/-	ICAR-DFR, Shivajinagar, Pune
7.	Binocular microscope with photographic attachment	1 No.	06 Lakh	18,000/-	ICAR-DFR, Shivajinagar, Pune

2. **Important Dates-**

Start of Sale of Blank Bid Document	:28.05.2016
Date of Pre-Bid Meeting	:10.06.2016 at 11 :00 Hrs
Last date for Uploading of any Corrigendum	: 13.06.2016
Clarification if any consequent to pre-bid meeting	
Last date for sale of Bid Document	:20.06.2016 up to 12:00 hrs.
Last date for receipt of Bid document	:20.06.2016 up to 12:00 hrs.
Date of opening of Technical Bid	: 20.06.2016 up to 14:30 hrs
Date and Time of opening of	: Shall be informed separately
	Financial Bid/Price Bid of the successful Technical Bidder

In presence of bidders who desire to be present.

3. **The bid will be submitted in a two bid system where technical bid and financial bid are to be submitted in separate envelopes, which are to be sealed in a one big envelope.**
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-Directorate of Floricultural Research, College of Agriculture, Shivajinagar Pune** in a sealed cover super scribing with the **Name of the Equipment and Item No.**
Under no instances the financial bid is to be made part of the technical bid or to be disclosed anywhere in the bid documents, it will cause immediate rejection of the bid.
4. The Bid documents may be obtained from the Administration Section of **ICAR-DFR, Pune** on any working day between 11.00 hrs. to 16.00 hrs. up to the last date of sale of Bid. Bid documents will be issued on payment of Rs. **250/- by cash (non-refundable)**. Bid form should also accompany **Earnest Money Deposit** in the form of Demand Draft/Pay Order drawn in favour of "**DFR, Pune**" payable at **Pune** 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 web site: **www.dfr.res.in** which can be downloaded and submitted along with the cost of Bid documents of Rs.250/- (Non-Refundable) separately for each equipment in the form of D.D/Pay Order drawn in favour of "**DFR, Pune, payable at Pune** along with EMD 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.

Sr. Administrative Officer

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INSTRUCTION TO BIDDERS [I T B]

A. INTRODUCTION

1. Source of funds:

- 1.1 The expenditure to be incurred for this intended purchase will be met from the funds available with the purchaser named in the Schedule of Requirements, hereinafter referred to as “the purchaser”.

2. Eligible bidders:

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

3. Cost of bidding:

- 3.1 The bidder shall bear all 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
- (i) Format of AMC
- (j) 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 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 as mentioned in Detailed Invitation For Bids(IFB).**
- 6.2 **The amendment will be notified on the purchaser's website and eprocurement portal and will be binding to all.**
- 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:

- a. a bid form (Technical Bid) and a price schedule(Financial Bid) in accordance with ITB clause 9, 10 and 11,**
- b. documentary evidence established in accordance with ITB clause 13 that the bidder is eligible to bid and is qualified to perform the contract if its bid is accepted,**
- c. documentary evidence established in accordance with ITB clause 14 that the goods and ancillary services to be supplied by the bidder conform to the bidding documents.**
- d. bid security/EMD furnished in accordance with ITB clause 15.**
- e. the questionnaires (Section VI) duly filled in.**
- f. Technical Specification Compliance Statement (attached as Annexure II) Section VIII with the bidding documents duly filled.**
- g. Comprehensive AMC (Annexure III)**
- h. Checklist (Annexure IV)**

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'. 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 **Scheduled 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 embankment 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 Requirement**.

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 PAN 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/EMD:**
- 15.1 Pursuant to clause 8, the bidder shall furnish as part of its bid, a bid security/EMD of an amount specified **along with the technical specification of the Equipments.**
- 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 bids are to be made in a two bid system consisting of a "Technical Bid" and a "Financial Bid". Non submission of any of the document mentioned below will lead to cancellation of the bid.

I. The **Technical Bid** must contain

- a. Duly Filled Performa of Checklist as given in Annexure IV
- b. Tender Fees
- c. EMD/Bid Security as given against each Item/Equipment in Annexure I (Section V)
- d. Technical Specification Compliance Statement as given in Annexure II (Section VIII) of the item/equipment and all the support litreatures/ documents etc duly signed by the bidder.
- e. **Questionnaire as in Section VI**
- f. **In nutshell Technical Bid should contain all documents except** Performa to be submitted along with the Financial Bid.

II. The **Financial Bid** must contain

- a. Duly filled Performa as given in **SECTION VII/1 titled 'BID FORM AND PRICE SCHEDULES'**
- b. Duly filled performa of Comprehensive AMC wherever required.
- c. Under no circumstances Financial Bid is to be made part of the Technical bid or any other bid document failing which the Bid will be rejected.

- 17.2 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 **Technical and financial bids are to be prepared separately and placed on different sealed envelopes. The words "Technical bid" and "Financial bid" clearly mentioned on the envelopes containing the technical and financial bids respectively.** The envelopes should then be placed in one single envelop and submitted clearly indicating the item number and the name of equipment for which the bid is being submitted. Bid for each equipment is to be submitted separately.

18.2 The envelope 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 and item No.

18.3.1 Each 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 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 technical bids in the presence of 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 technical 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 technical 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/EMD and such other details as the purchaser, at its discretion, may consider appropriate will be announced at the Technical bid opening.
- 22.4 The purchaser will prepare appropriate minutes of the technical bid opening for its official record.
- 22.5 Date and Time of opening of Financial Bid/Price Bid of the successful Technical Bidder will be informed separately.

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 bids to determine whether they are complete, whether the required bid validity is available, whether any computational errors have been made, whether required bid security has been furnished, whether the documents have been properly signed, and whether the bids are generally in order. While examining the bids, the 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 bid or consideration of a minor infirmity or non-conformity or irregularity in a bid is final.

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

25. Conversion to single currency

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

26. Evaluation and comparisons of Technical and Financial 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 item/equipment separately**. The technical bid for an item/equipment will not be considered if the complete requirements covered as per the bid documents 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 item/equipment and to offer discounts. These discounts will be taken into account in the evaluation of the bids so as to determine the bid offering the lowest evaluated cost for the purchaser in deciding awards(s) for each item/equipment.

26.2 The comparison of financial Bid 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 Comprehensive AMC as stipulated in Section VII (Annexure-III) with following Term and condition.
 - i) **The AMC is comprehensive and includes all labours and transportation. Cost of spare parts required if any shall be paid by the vendor . 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 Comprehensive AMC at any time without assigning any reason and without any cost.**
 - iv) **Comprehensive AMC is required only for Item No. 01 to 07.**
- 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 comprehensive AMC as stipulated by the purchaser with following Term and condition.

i) **The AMC is comprehensive and includes all labours and transportation and Cost of spare parts required if any. 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.**

iv) **Comprehensive AMC is required for Item No. 01 to 07.**

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 technical bidder whose financial 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/Speed Post / Fax, 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 Specification Compliance statements

35. Technical Specification Compliance Statement:

- 35.1 Technical Specification Compliance Statement as per format contained in Section VIII(Annexure II) is to be submitted by the bidder should enclose relevant literature in support of their claim along with the Technical Bid failing which the bid/tender will be rejected and no communication will be done in the matter.

**Sr. Administrative Officer
On behalf of the Director
ICAR-DFR , Pune**

SECTION –III

GENERAL CONDITIONS OF CONTRACT [GCC]

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GENERAL CONDITIONS OF CONTRACT [G C C]

1. Definitions

- 1.1 In this contract the following terms shall be interpreted as indicated:
- a) "IFB" means Invitation for Bids.
 - b) "ITB" means Instruction to Bidders.
 - c) "GCC" means General Conditions of Contract.
 - d) "RC" means Rate Contract.
 - e) "Contract" means a legal agreement entered into between the purchaser and the supplier, as recorded in the agreement signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein..
 - f) "Contract Price" means the price payable to the supplier under a contract for the full and proper performance of its contractual obligations.
 - g) "Goods" means all the items, materials, equipment and/or machinery, which the supplier is required to supply to the purchaser in terms of a contract.
 - 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.
- 3.2 For purposes of this clause, "origin" means the place where the goods are mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing and substantial or major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of goods and services is distinct from the nationality of the supplier.

4 Standards

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

5 Use of contract documents and information

- 5.1 The supplier shall not, without the purchaser's prior written consent, 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.
- 8.3 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;
- iv) 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.**

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)

Sl. No.	Brief description of goods	Accounting unit	Quantity	Delivery Schedule
1.	As in Section V	-	-	Within 2 months after placement of supply order. or by the date mention in the supply order whichever is earlier.
2.	Servicing	-	-	Warranty : Please specify the warranty period and also quote rate for trouble free maintenance for five years from the date of installation Spare & Service Support : Please certify that the instrument supplied is of latest technology so that you would support us with service & Spares for next 10 years. After sale service : 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.

A Introduction	
ITB clause 1.1	Name of the purchaser : The Director, ICAR-Directorate of Floricultural Research College of Agriculture Campus Shivajinagar, Pune – 411005 Website: www.dfr.res.in, E-mail : aodfr@yahoo.com , Ph. 020-25537024, 020-25537025
B The biddig documents	
ITB clause 5.1	Purchaser’s mailing address as given above
C Preparation of bids	
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
D Submission of bids	
ITB clause 17.1	The bid will be submitted in a two bid system, containing Technical Bid and Financial Bid, sealed in separate envelopes and marked technical bid and financial bid, which are to be sealed in one big envelop superscribing the name of the equipment and item number for which the Bid is being submitted..
ITB clause 18.2 (a)	Address for submission of bids, to be given on the envelope is The Director, ICAR-Directorate of Floricultural Research College of Agriculture Campus Shivajinagar, Pune – 411005 INDIA
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
E Bid opening and bid evaluation	
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 Comprehensive 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.
F Award of contract	
ITB clause 30.1 (read with ITB clause 28.1.)	As per ITB clause 30.1 and ITB clause 28.1
G Technical Specification Compliance Statements	
ITB 35.1	Technical Specification Compliance Statement as per performa in section VIII (Annexure II) 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-DFR, Pune 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,
ICAR-Directorate of Floricultural Research
College of Agriculture Campus
Shivajinagar, Pune – 411005 INDIA**

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,
ICAR-Directorate of Floricultural Research
College of Agriculture Campus
Shivajinagar, Pune – 411005 INDIA**

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.



Hkk. d'. v. i. - i q'i foKku vuq a'kku funs' kky;

I.C.A.R. - Directorate of Floricultural Research

Df'k egkfo | ky; i fj | j] f'kokth uxj] i q k&411005

College of Agriculture Campus, Shivaji Nagar, Pune-411005

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SECTION – V

TECHNICAL SPECIFICATION AND QUALITY CONTROL REQUIREMENTS.

PLEASE SEE ANNEXURE-I Pg. No. 51 to 58 (Item/Equipment wise)



Hkk. d' v. i. - i q i foKku vuq d'kku funs kky;

I.C.A.R. - Directorate of Floricultural Research

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College of Agriculture Campus, Shivaji Nagar, Pune-411005

Technical Bid

(To be submitted with
the technical bid)

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 PAN number (Copy Must be enclosed).
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/blacklisted by any Ministry / Deptt. of Central Govt. or any State Govt. or any other central govt. organization.

12. List of 3 (Three) Clients alongwith purchase order where theses equipment has been installed.

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)
Mobile No.
Phone No.
E-Mail.

SECTION VII/1
BID FORM AND PRICE SCHEDULES

(To be submitted in Separate Sealed Envelope marked "Financial Bid" and not to be made part of the Technical Bid or any other bid documents)

Date

To

**The Director,
ICAR-Directorate of Floricultural Research
College of Agriculture Campus
Shivajinagar, Pune – 411005 INDIA**

(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

FINANCIAL BID

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

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	Inland transportation	Insurance, other duties and taxes, if any (other than sales tax) and incidental costs	Incidental services (including supervision)	Over all unit price	Total price	Sales tax payable, if contract is awarded
				(a)	(b)	(c)	(d)	(e)	(f)	[a + b + c + d + e + f]	3x6	

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

Place:
Date:

Signature of bidder
Name
Business address

Note:

- 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	
Schedule No./Item No.	Item Description	Country of origin	Accounting unit & Quantity	Price per unit		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
				Unit price FOB port of loading	Unit price CIF at port of entry							
				(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 (Annexure I).
- 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
(To be submitted with the Technical bid)

TECHNICAL BID

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 be submitted with the Technical bid)

To

**The Director,
ICAR-Directorate of Floricultural Research
College of Agriculture Campus
Shivajinagar, Pune – 411005 INDIA**

(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

TECHNICAL BID

(To be submitted with the Technical bid)

To

**The Director,
ICAR-Directorate of Floricultural Research
College of Agriculture Campus
Shivajinagar, Pune – 411005 INDIA**

(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 officerCode

Name of the Bank and full address.



Hkk. d'. v. i. - i d'i foKku vuq d'kku funs' kky;
I.C.A.R. - Directorate of Floricultural Research
 Df" k egkfo | ky; i fj | j] f' kokth uxj] i q k&411005
 College of Agriculture Campus, Shivaji Nagar, Pune-411005

SECTION VII/3
CONTRACT FORM

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:



Hkk. d'. v. i. - i d'i foKku vuq a'kku funs' kky;
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Df'k egkfo | ky; i fj | j] f'kokth uxj] iqk&**411005**
College of Agriculture Campus, Shivaji Nagar, Pune-411005

SECTION – VIII

TECHNICAL SPECIFICATION COMPLAINCE STATEMENT FORM

PLEASE SEE ANNEXURE- II Pg. No. 59 to 71 (Item/Equipment wise)



Hkk. d' v. i. - i q i foKku vuq dkku funs kky;
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 Df" k egkfo | ky; i fj | j] f' kokth uxj] i q k & **411005**
 College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION

ITEM NO.1

Equipment	Specifications	
Vacuum Packaging Machine with MAP	Digital Gas Mixer should be capable of mixing CO ₂ , N ₂ and O ₂ in desired proportion using Vacuum Packaging Machine	
	1) Vacuum Packaging Machine	
	Sealing Length	400 – 600 mm
	Sealing Width	5 – 10 mm
	No. of sealing Bar	1 -2
	Sealing Power	500 – 900 W
	Vacuum Pump	15 – 60 m ³ /h
	Body Construction	All Stainless Steel
	Packing Cycle	2-3 Cycles per min
	<ul style="list-style-type: none"> • There should be arrangement for multiple gas flushing (3 Gases). Soft vacuuming sensor control and digital display • Machine should be capable of packaging loose and cut flowers without damage 	
II) Digital Gas Mixer	Start/stop control with Alarm	
	Mixer Configurations	3 Gas with LCD Display
	Power supply	103 – 132/207 – 264 VAC
	Mixer parameters	
	Gas Media	Any mixture of dry O ₂ , CO ₂ and N ₂
	Gas Inlet Pressure	7 to 8 bar
	Gas outlet pressure	4 to 6 bar
	Gas flow	20 to 400 L/min
Mixer Accuracy	+- 2% absolute in flow ranges above 50 L /min total output flow	

	III)Head Space Analyser	Head Space Analyser	Oxygen & carbon dioxide
		Sample Volume	20-25 ml
		Sample time	10-15 sec
		Measuring Range	0 – 100%
		Resolution	0.1% Oxygen & Carbon dioxide
	IV)Ethylene Analyser	Ethylene Analyser Range:	0 – 120 PPM
		Resolution	0.1 ppm
		Temperature	0 – 35 ⁰
		Compensation	+/- 5% Reading over range 5 to 30 ⁰ C
		Response Time	T80:< 40 Seconds
		Pump Flow	Typically 0.6-0.9 l/min
		Display	LCD
	V) Gas Cylinders with Regulators	It should integrate with Buffer Tank, and Digital Gas Mixer Gas Tanks should be of Size C With double stage regulators for O ₂ ,CO ₂ & N ₂ with Necessary tubing's and Fittings	
	VI) Buffer Tank	Buffer Tank	The stainless Steel buffer tank compatible with Digital Gas Mixer
		Mounting	Floor or Wall mounted
Tank Volume & Pressure		Tank volume of around 10 liters and the max pressure is 10-15 bar	
Accessories	Should be provided all standard accessories Any other items that are essential to make the system fully functional		
Warranty	Warranty period of minimum 2 years and after sales service should be clearly mentioned in the quotations. The operating manual has to be provided for easy handling of the equipment		
Certificate of Compliance	End user certificates to be attached		
Installations	There should be at least 15 Installations of the same in India with details of clients.		

Place of Delivery : The Director, ICAR-Directorate of Floricultural Research, College of Agriculture
Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.45,000/-



Hkk. d'. v. i. - i ddi foKku vuq d'kku funs' kky;

I.C.A.R. - Directorate of Floricultural Research

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College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION ITEM NO.2

Equipment	Specification
Incubator shaker	<ol style="list-style-type: none"> 1. Incubator shaker with refrigeration 2. Universal platform where different-sized flasks, tubes and culture wares can be kept on a single platform - Should accommodate atleast 4-5 Erlenmeyer flasks of 2 L capacity 3. Easy view of samples without opening the door 4. A stationary shelf with adjustable height 5. Stable, vibration free operation throughout 6. Uniform and precise temperature control 7. Moisture proof chamber 8. The controls to be programmable so that the temperature, light, speed etc changes according to the set programme automatically 9. Programmable UV Germicidal Light 10. Brushless motors 11. Low noise level 12. Saftey alarm and alarm during the end of the programme 13. Auto cut off when door is open and temperature high limit of heater exceeds 14. Operator friendly keypad and display 15. Temperature range: 20⁰C below ambient to 60⁰C, min. 4⁰C. 16. Temperature control: ± 0.1 °C 17. Shaking speed: 25 - 350 rpm, ± 1 rpm 18. Provision for acceleration deceleration circuits to prevent sudden start or off 19. Provision for automatic restart after power failure 20. Additional software and hardware to transfer data to PC to be supplied 21. System should have Quality Certificates of conformity and compliance – ISO, IEC 61010- Electrical safety, CE, UL certified 22. End user certificates of particular product from reputed R&D organizations to be attached. 23. List of successful installations of the particular product in the country with focus on Pune and its surroundings for a possible demonstration if required. <p>Optional</p> <ol style="list-style-type: none"> 24. Additional flask clamps, test tube racks and sticky tape/ sticky pad and microplate holders to be supplied 25. Additional non-slip surface for low-speed applications to be supplied 26. Humidity monitor to measure the humidity 27. Programmable photosynthetic light

Place of Delivery : The Director, ICAR-Directorate of Floricultural Research, College of Agriculture Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.9,000/-



Hkk. d'. v. i. - i ddi foKku vuq d'kku funs' kky;
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 College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION

ITEM NO.3

Equipment	Specification
PCR/Thermal Cycler	<ol style="list-style-type: none"> 1. Independently controllable universal dual thermo block 2. Block should accommodate PCR tube strips, 0.2ml or 0.5 mL PCR tubes - with or without swapping of block 3. Control mode should handle tubes as well as strips 4. Maximum ramp rate (°C/sec) should be 3 -8°C/sec 5. Average ramp rate (°C/sec) must be 2-3°C/sec 6. Identical ramp rates for both normal and gradient PCR 7. Block control temperature range 4-99°C 8. Block temperature accuracy must be ±0.2°C 9. Durable Peltier elements and triple circuit technology for heating the block 10. Gradient range 30-99°C 11. Temperature differential range 1-20°C 12. Gradient block over 8-12 columns 13. Gradient accuracy should be ±0.5°C of programmed temperature 14. Row uniformity ±0.3°C well-to-well (within row) within 30 sec 15. Lid Temperature should be 37-110°C 16. Lid should provide a constant [contact] pressure with any type of caps domed/flat 17. Lid should protect sample from evaporation 18. Minimum Evaporation (10% in central and 20% in the corner blocks preferred) 19. Input power range 220-240 VAC, 50-60 Hz; 600-7500 W 20. System compatible data retrieval system with appropriate USB and micro USB ports and icore 5 with 1TB, HDD, 16 GB RAM 21'' LED monitor. 21. A memory of min 500 protocols ; unlimited with USB flash drive expansion 22. Low noise level 23. Low energy consumption/ Energy efficient instrument 24. System security through PIN and provision for networking with other thermal cyclers 25. Auto-restart after power failure and provision for 3hr power backup with required power and voltage to be included 26. Quality parameters meeting international standards with authentic certification of the instrument like UL Warranty of min 2years and extendable to 3years 27. On site warranty 28. Additional software required to control, run and analyze the instrument and results and dongle to check Peltier elements 29. Optional: Other accessories like Other materials like PCR plates, racks, tubes, strips etc 30. End user certificates of particular product from well reputed R&D organizations to be attached. 31. List of successful installations of particular product in the country with focus on Pune and its surroundings, for a possible demonstration if required.

Place of Delivery : The Director, ICAR-Directorate of Floricultural Research, College of Agriculture Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.21,000/-



Hkk. d' v. i. - i d'i foKku vuq d'kku funs' kky;
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College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION

ITEM NO.4

Equipment	Specification
Ice machine	<ol style="list-style-type: none">1. Ice flaker with a capacity of 50-60kg/day2. Storage capacity of minimum 10kg to 20kg with in-built bin3. Corrosion free stainless steel material in the interior4. Air cooling system of condensation5. Safe and power efficient machine (electric consumption range 350-650W)6. Auto stop provision7. Provision for drainage to be provided8. Coaster wheels for easy translocation9. Very low level noise preferred10. Compressor : CFC free coolant11. Quality certification of compliance from concerned authorities12. Warranty of 2 years extendable to 3yrs13. End user certificates of particular product from reputed R&D organizations to be attached.14. List of successful installations in the country with focus on Pune and its surroundings for a possible demonstration if required.

Place of Delivery: The Director, ICAR-Directorate of Floricultural Research, College of Agriculture
Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.3,000/-



Hkk. d'. v. i. - i ddi foKku vuq d'kku funs kky;
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 College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION

ITEM NO.5

Equipment	Specification
Ultra low temperature freezer -80 ⁰ C	<ol style="list-style-type: none"> 1. Upright deep freezer of 550-600L capacity 2. Programmable operating temperature from -85⁰C to -50⁰C @ 32⁰C 90⁰F ambient 3. Energy efficient compressor and Condenser 4. Vacuum and Polyurethane insulation/extra insulation to cut down heat loss 5. Ergonomically designed handle and insulated outdoor 6. Audible and visible alarm indications during temperature fluctuations, sensor error, voltage variations etc 7. Electric Power 220V to 240V at either 50 or 60Hz 8. 4-5 compartments with adjustable height 9. Insulated inner doors for multiple storage compartments reduce loss of cold air 10. Low noise level (<60dB approx) and high energy efficiency 11. CFC-FREE, HCFC-FREE non flammable refrigerants, Non-corrosive, non-flammable, non-explosive 12. System security provision through PIN/key pad lock etc 13. 5 years warranty on Compressor and 2year warranty on instrument 14. Manual defrost method 15. Power back up system for at least 3 hours. 16. Caster for easy movement and wind down feet to provide a way to lock down the freezer in the position 17. System should be supplied with racks with boxes and dividers for sample storage. 18. System should have Quality Certificates of conformity and compliance – ISO, IEC 61010- Electrical safety, CE, UL certified 19. End user certificates of particular product from reputed R&D organizations to be attached. 20. List of successful installations in the country with focus on Pune and its surroundings for a possible demonstration if required. <p><u>Optional</u></p> <ol style="list-style-type: none"> 21. LCO₂ andLN₂ backup system to be provided

Place of Delivery : The Director, ICAR-Directorate of Floricultural Research, College of Agriculture Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.15,000/-



Hkk. d' v. i . - i q i foKku vuq d'kku funs kky;
I.C.A.R. - Directorate of Floricultural Research
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 College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION ITEM NO.6

Equipment	Specification
Microscope with photographic arrangement and image analyzer	<ol style="list-style-type: none"> 1. Stereo zoom microscope with common main objective lead-free and fully apochromatic optical system. 2. Zoom range 7x to 80x or higher with 1 X objective. 3. Encoded zoom, double iris diaphragm allowing reproducibility and calibrated measurement at all zoom levels. 4. Apochromatic 1x, 0.63x objective and Eyepiece 10x wide field, diopter adjustable, suitable for spectacle wearers, with field of view 23mm or higher. 5. Parallel optical paths should give maximum resolution & maximum depth separately but simultaneously to get best of observation through fusion optics. 6. Motorized focus drive with minimum 400mm or better column for the image stacking. Controller for motorized focus with switchable coarse or fine focus, memory for 5 focus positions 7. Transmitted light stand for bright field and dark field with 12v - 20w halogen/ LED illumination and daylight filter with life time of 20,000 working hours. 8. LED spotlight illumination with 2-arm gooseneck and stand-alone power supply. 9. Observation tube trinocular with 100% / 0% / 100% light path. 10. Scientific Digital Colour HD/CCD Camera with High definition & Resolution of 10mp or more, with a provision for software interpolation, 1/2.3" scan with software kit, color filter RGB, 30 fps .Camera control via computer (PC mode) or remote control . Should be upgradable to other s/w modules in future. 11. Software kit for point to point measurement, micron bar & annotation with suitable C-mount. 12. Image should be stored with all settings of the camera and microscope with recall settings and configurations to exactly recreate the same condition at later date. 13. Image stacking, auto multifocus software with 3D viewer. Should have capability to produce depth map to create 3D images. 14. Branded computer system with i5 processor; minimum 3.0 GHz or more processor speed; 4 GB RAM; Windows 7 operating system (alongwith suitable Service Pack for image analysis software); Microsoft Office 2010; Graphic adapter to support the image analysis software and data storage. 15. Dust cover for stereomicroscope with camera. 16. 2 Years AMC should be offered. 17. System should have quality certificates of conformity and compliance. 18. There should be at least 25 installations of the same in India with a minimum of 4 in Maharashtra with details of clients in the vicinity of Pune.

Place of Delivery : The Director, ICAR-Directorate of Floricultural Research, College of Agriculture Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.30,000/-



Hkk. d'. v. i. - i ddi foKku vuq d'kku funs kky;
I.C.A.R. - Directorate of Floricultural Research
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 College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE-I (Section V)

(To be attached along the Technical Bid)

TECHNICAL SPECIFICATION

ITEM NO.7

Equipment	Specification
Binocular microscope with photographic attachment	<ol style="list-style-type: none"> 1. Microscope with infinity corrected Optical System including frame, trinocular tube with inclination angle of 30 degree, Diopter adjustment is performed via the knurled collar on the left eye tube, Wide Inter pupillary distance adjustment (48-75mm) ensures the best and most comfortable observation conditions for every user. 2. A pair of eyepiece 10X having Field of view 20mm, Coarse upper limit stopper Locks the upper position of the stage, preventing contact between the objective and the specimen in high magnification observations. 3. Fixed quadruple revolving nosepiece with inward tilting, Rackless mechanical stage having size of 188(W) X 134 (D) mm, movement range 76mm X direction X 50mm Y direction Rack-free stage with no side protrusions. 4. Field stop with Frame integrated, with ability to accept a ø45mm filter Low-positioned control knob allows smooth and comfortable specimen. 5. Movement Specimen Holder for double slide (right handle drive), Aperture iris diaphragm built in, AS, blue filter, 30W illuminator, 6V30W halogen bulb (1 pc.), optical system UIS2 (universal infinity-corrected) Plan Achromat objectives 4X, 10X. Power cord, Immersion oil, Dust cover Phase contrast/darkfield/bright field condenser, Interference green contrast filter 45mm dia., Interference light balance daylight filter, 45mm dia, WD 10.6, Plan achromat phase contrast objective 20X/0.4, WD 1.2 (spring), Plan achromat phase contrast objective 40X/0.65, WD 0.6 (spring), Plan achromat phase contrast objective 100X/1.25, WD 0.15 (spring, oil). 6. CMOS 5 MP camera: CMOS 5MP (for Tr) C-Mount camera with USB connectivity For Trinocular versions with 0.5x C-mount Tr-adaptor. Image Sensor- CMOS 5MP, 1/2.5'', Pixel Size 2.2X 2.2 micron, resolution 2592X1944 Pixels, Operating System, WinXP(SP3 and Above)/Vista, Operating Temp -10deg.C to +50 Deg.C

Place of Delivery : The Director, ICAR-Directorate of Floricultural Research, College of Agriculture Campus, Shivajinagar, Pune – 411005 INDIA

EMD Required Rs.18,000/-



Hkk. d'. v. i. - i ddi foKku vuq d'kku funs kky;

I.C.A.R. - Directorate of Floricultural Research

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College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO. 01

NAME OF EQUIPMENT: Vacuum Packaging Machine with MAP

Qty.1 No.

Sl no	Specification		Specification Offered	
1		Digital Gas Mixer should be capable of mixing CO ₂ ,N ₂ and O ₂ in desired proportion using Vacuum Packaging Machine		
	I) Vacuum Packaging Machine	Sealing Length	400 – 600 mm	
		Sealing Width	5 – 10 mm	
		No. of sealing Bar	1 -2	
		Sealing Power	500 – 900 W	
		Vacuum Pump	15 – 60 m ³ /h	
		Body Construction	All Stainless Steel	
		Packing Cycle	2-3 Cycles per min	
			<ul style="list-style-type: none"> There should be arrangement for multiple gas flushing (3 Gases). Soft vacuuming sensor control and digital display Machine should be capable of packaging loose and cut flowers without damage 	
	II) Digital Gas Mixer	Start/stop control with Alarm		
		Mixer Configurations	3 Gas with LCD Display	
		Power supply	103 – 132/207 – 264 VAC	
		Mixer parameters		
		Gas Media	Any mixture of dry O ₂ ,CO ₂ and N ₂	
		Gas Inlet Pressure	7 to 8 bar	
		Gas outlet pressure	4 to 6 bar	
		Gas flow	20 to 400 L/min	
	Mixer Accuracy	+ - 2% absolute in flow ranges above 50 L /min total output flow		
	III)Head Space Analyser	Head Space Analyser	Oxygen & carbon dioxide	
		Sample Volume	20-25 ml	
Sample time		10-15 sec		

		Measuring Range	0 – 100%	
		Resolution	0.1% Oxygen & Carbon dioxide	
	IV)Ethylene Analyser	Ethylene Analyser Range:	0 – 120 PPM	
		Resolution	0.1 ppm	
		Temperature	0 – 35 ⁰	
		Compensation	+/- 5% Reading over range 5 to 30 ⁰ C	
		Response Time	T80:< 40 Seconds	
		Pump Flow	Typically 0.6-0.9 l/min	
		Display	LCD	
	V) Gas Cylinders with Regulators	It should integrate with Buffer Tank, and Digital Gas Mixer Gas Tanks should be of Size C With double stage regulators for O2,CO2 & N2 with Necessary tubing's and Fittings		
	VI) Buffer Tank	Buffer Tank	The stainless Steel buffer tank compatible with Digital Gas Mixer	
		Mounting	Floor or Wall mounted	
		Tank Volume & Pressure	Tank volume of around 10 liters and the max pressure is 10-15 bar	
2	Accessories	Should be provided all standard accessories Any other items that are essential to make the system fully functional		
3	Warranty	Warranty period of minimum 2 years and after sales service should be clearly mentioned in the quotations. The operating manual has to be provided for easy handling of the equipment		
4	Certificate of Compliance	End user certificates to be attached		
5	Installations	There should be at least 15 Installations of the same in India with details of clients.		

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



Hkk. d' v. i. - i ði foKku vud ðkku funs kky;
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 College of Agriculture Campus, Shivaji Nagar, Pune-
 411005

ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO.02

NAME OF EQUIPMENT: Incubated Shaker

Qty.1 No.

Sl no	Specification	Specification Offered
1.	Incubator shaker with refrigeration	
2.	Universal platform where different-sized flasks, tubes and culture wares can be kept on a single platform - Should accommodate atleast 4-5 Erlenmeyer flasks of 2 L capacity	
3.	Easy view of samples without opening the door	
4.	A stationary shelf with adjustable height	
5.	Stable, vibration free operation throughout	
6.	Uniform and precise temperature control	
7.	Moisture proof chamber	
8.	The controls to be programmable so that the temperature, light, speed etc changes according to the set programme automatically	
9.	Programmable UV Germicidal Light	
10.	Brushless motors	
11.	Low noise level	
12.	Safety alarm and alarm during the end of the programme	
13.	Auto cut off when door is open and temperature high limit of heater exceeds	
14.	Operator friendly keypad and display	
15.	Temperature range: 20 ⁰ C below ambient to 60 ⁰ C, min. 4 ⁰ C.	
16.	Temperature control: ± 0.1 °C	
17.	Shaking speed: 25 - 350 rpm, ± 1 rpm	
18.	Provision for acceleration deceleration circuits to prevent sudden start or off	
19.	Provision for automatic restart after power failure	

20.	Additional software and hardware to transfer data to PC to be supplied	
21.	System should have Quality Certificates of conformity and compliance – ISO, IEC 61010- Electrical safety, CE, UL certified	
22.	End user certificates of particular product from reputed R&D organizations to be attached.	
23.	List of successful installations of the particular product in the country with focus on Pune and its surroundings for a possible demonstration if required.	
24.	<u>Optional</u>	
	Additional flask clamps, test tube racks and sticky tape/ sticky pad and microplate holders to be supplied	
25.	Additional non-slip surface for low-speed applications to be supplied	
26.	Humidity monitor to measure the humidity	
27.	Programmable photosynthetic light	

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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 College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO.03

NAME OF EQUIPMENT: Gradient thermal Cycler/PCR

Qty.1 No.

Sl no	Specification	Specification Offered
1.	Independently controllable universal dual thermo block	
2.	Block should accommodate PCR tube strips, 0.2ml or 0.5 mL PCR tubes - with or without swapping of block	
3.	Control mode should handle tubes as well as strips	
4.	Maximum ramp rate (°C/sec) should be 3 -8°C/sec	
5.	Average ramp rate (°C/sec) must be 2-3°C/sec	
6.	Identical ramp rates for both normal and gradient PCR	
7.	Block control temperature range 4-99°C	
8.	Block temperature accuracy must be ±0.2°C	
9.	Durable Peltier elements and triple circuit technology for heating the block	
10.	Gradient range 30-99°C	
11.	Temperature differential range 1-20°C	
12.	Gradient block over 8-12 columns	
13.	Gradient accuracy should be ±0.5°C of programmed temperature	
14.	Row uniformity ±0.3°C well-to-well (within row) within 30 sec	
15.	Lid Temperature should be 37-110°C	
16.	Lid should provide a constant [contact] pressure with any type of caps domed/flat	
17.	Lid should protect sample from evaporation	
18.	Minimum Evaporation (10% in central and 20% in the corner blocks preferred)	
19.	Input power range 220-240 VAC, 50-60 Hz; 600-7500 W	
20.	System compatible data retrieval system with appropriate USB and micro USB ports and icore 5 with 1TB, HDD, 16 GB RAM 21" LED monitor.	

21.	A memory of min 500 protocols ; unlimited with USB flash drive expansion	
22.	Low noise level	
23.	Low energy consumption/ Energy efficient instrument	
24.	System security through PIN and provision for networking with other thermal cyclers	
25.	Auto-restart after power failure and provision for 3hr power backup with required power and voltage to be included	
26.	Quality parameters meeting international standards with authentic certification of the instrument like UL Warranty of min 2years and extendable to 3years	
27.	On site warranty	
28.	Additional software required to control, run and analyze the instrument and results and dongle to check Peltier elements	
29.	Optional: Other accessories like Other materials like PCR plates, racks, tubes, strips etc	
30.	End user certificates of particular product from well reputed R&D organizations to be attached.	
31.	List of successful installations of particular product in the country with focus on Pune and its surroundings, for a possible demonstration if required.	

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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ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO.04

NAME OF EQUIPMENT: Ice Machine

Qty.1 No.

Sl no	Specification	Specification Offered
1.	Ice flaker with a capacity of 50-60kg/day	
2.	Storage capacity of minimum 10kg to 20kg with in-built bin	
3.	Corrosion free stainless steel material in the interior	
4.	Air cooling system of condensation	
5.	Safe and power efficient machine (electric consumption range 350-650W)	
6.	Auto stop provision	
7.	Provision for drainage to be provided	
8.	Coaster wheels for easy translocation	
9.	Very low level noise preferred	
10.	Compressor : CFC free coolant	
11.	Quality certification of compliance from concerned authorities	
12.	Warranty of 2 years extendable to 3yrs	
13.	End user certificates of particular product from reputed R&D organizations to be attached.	
14.	List of successful installations in the country with focus on Pune and its surroundings for a possible demonstration if required.	

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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I.C.A.R. - Directorate of Floricultural Research

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College of Agriculture Campus, Shivaji Nagar, Pune-411005

ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO.05

NAME OF EQUIPMENT: Ultra low temperature freezer -80⁰ C

Qty.1No

Sl no	Specification	Specification Offered
1.	Upright deep freezer of 550-600L capacity	
2.	Programmable operating temperature from -85 ⁰ C to -50 ⁰ C @ 32 ⁰ C 90 ⁰ F ambient	
3.	Energy efficient compressor and Condenser	
4.	Vacuum and Polyurethane insulation/extra insulation to cut down heat loss	
5.	Ergonomically designed handle and insulated outdoor	
6.	Audible and visible alarm indications during temperature fluctuations, sensor error, voltage variations etc	
7.	Electric Power 220V to 240V at either 50 or 60Hz	
8.	4-5 compartments with adjustable height	
9.	Insulated inner doors for multiple storage compartments reduce loss of cold air	
10.	Low noise level (<60dB approx) and high energy efficiency	
11.	CFC-FREE, HCFC-FREE non flammable refrigerants, Non-corrosive, non-flammable, non-explosive	
12.	System security provision through PIN/key pad lock etc	
13.	5 years warranty on Compressor and 2year warranty on instrument	
14.	Manual defrost method	
15.	Power back up system for at least 3 hours.	
16.	Caster for easy movement and wind down feet to provide a way to lock down the freezer in the position	
17.	System should be supplied with racks with boxes and dividers for	

	sample storage.	
18.	System should have Quality Certificates of conformity and compliance – ISO, IEC 61010- Electrical safety, CE, UL certified	
19.	End user certificates of particular product from reputed R&D organizations to be attached.	
20.	List of successful installations in the country with focus on Pune and its surroundings for a possible demonstration if required.	
21.	<u>Optional</u>	
22.	LCO ₂ andLN ₂ backup system to be provided	

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

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ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO.06

NAME OF EQUIPMENT: Microscope with photographic arrangement and image analyzer

Qty.1No

Sl no	Specification	Specification Offered
1.	Stereo zoom microscope with common main objective lead-free and fully apochromatic optical system.	
2.	Zoom range 7x to 80x or higher with 1 X objective.	
3.	Encoded zoom, double iris diaphragm allowing reproducibility and calibrated measurement at all zoom levels.	
4.	Apochromatic 1x, 0.63x objective and Eyepiece 10x wide field, diopter adjustable, suitable for spectacle wearers, with field of view 23mm or higher.	
5.	Parallel optical paths should give maximum resolution & maximum depth separately but simultaneously to get best of observation through fusion optics.	
6.	Motorized focus drive with minimum 400mm or better column for the image stacking. Controller for motorized focus with switchable coarse or fine focus, memory for 5 focus positions	
7.	Transmitted light stand for bright field and dark field with 12v - 20w halogen/ LED illumination and daylight filter with life time of 20,000 working hours.	
8.	LED spotlight illumination with 2-arm gooseneck and stand-alone power supply.	
9.	Observation tube trinocular with 100% / 0% / 100% light path.	
10.	Scientific Digital Colour HD/CCD Camera with High definition & Resolution of 10mp or more, with a provision for software interpolation, 1/2.3" scan with software kit, color filter RGB, 30 fps .Camera control via computer (PC mode) or remote control . Should be upgradable to other s/w modules in future.	
11.	Software kit for point to point measurement, micron bar & annotation	

	with suitable C-mount.	
12.	Image should be stored with all settings of the camera and microscope with recall settings and configurations to exactly recreate the same condition at later date.	
13.	Image stacking, auto multifocus software with 3D viewer. Should have capability to produce depth map to create 3D images.	
14.	Branded computer system with i5 processor; minimum 3.0 GHz or more processor speed; 4 GB RAM; Windows 7 operating system (alongwith suitable Service Pack for image analysis software); Microsoft Office 2010; Graphic adapter to support the image analysis software and data storage.	
15.	Dust cover for stereomicroscope with camera.	
16.	2 Years AMC should be offered.	
17.	System should have quality certificates of conformity and compliance.	
18.	There should be at least 25 installations of the same in India with a minimum of 4 in Maharashtra with details of clients in the vicinity of Pune.	

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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ANNEXURE- II

(To be submitted with the Technical bid)

TECHNICAL SPECIFICATION COMPLIANCE STATEMENT

ITEM NO.07

NAME OF EQUIPMENT: Binocular microscope with photographic attachment

Qty.1No

Sl no	Specification	Specification Offered
1.	Microscope with infinity corrected Optical System including frame, trinocular tube with inclination angle of 30 degree, Diopter adjustment is performed via the knurled collar on the left eye tube, Wide Inter pupillary distance adjustment (48-75mm) ensures the best and most comfortable observation conditions for every user.	
2.	A pair of eyepiece 10X having Field of view 20mm, Coarse upper limit stopper Locks the upper position of the stage, preventing contact between the objective and the specimen in high magnification observations.	
3.	Fixed quadruple revolving nosepiece with inward tilting, Rackless mechanical stage having size of 188(W) X 134 (D) mm, movement range 76mm X direction X 50mm Y direction Rack-free stage with no side protrusions.	
4.	Field stop with Frame integrated, with ability to accept a ø45mm filter Low-positioned control knob allows smooth and comfortable specimen.	
5.	Movement Specimen Holder for double slide (right handle drive), Aperture iris diaphragm built in, AS, blue filter, 30W illuminator, 6V30W halogen bulb (1 pc.), optical system UIS2 (universal infinity-corrected) Plan Achromat objectives 4X, 10X. Power cord, Immersion oil, Dust cover Phase contrast/darkfield/bright field condenser, Interference green contrast filter 45mm dia., Interference light balance daylight filter, 45mm dia, WD 10.6, Plan achromat phase contrast objective 20X/0.4, WD 1.2 (spring), Plan achromat phase contrast objective 40X/0.65, WD 0.6 (spring), Plan achromat phase contrast objective 100X/1.25, WD 0.15 (spring, oil).	
6.	CMOS 5 MP camera: CMOS 5MP (for Tr) C-Mount camera with USB connectivity For Trinocular versions with 0.5x C-mount Tr-adapter. Image Sensor- CMOS 5MP, 1/2.5'', Pixel Size 2.2X 2.2 micron, resolution 2592X1944 Pixels, Operating System, WinXP(SP3 and Above)/Vista, Operating Temp -10deg.C to +50 Deg.C	

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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FINANCIAL BID

ANNEXURE – III

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

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

NAME OF EQUIPMENT: _____

ITEM NO. _____

Rate (Principal Amt.)	
1)	1st year
2)	2nd year
3)	3rd year
4)	4th year
5)	5th year

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

- N. B. :** 1) The AMC is comprehensive and includes all labours and transportation and cost of spare parts required if any. However, it will be the responsibility of the vendor to maintain the equipment in good working condition.
 2) The payment of CAMC 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.
 4) **Comprehensive AMC is required for item No. 01 to 07 only.**

(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)	GENERAL			
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 separate Envelop and Financial Bid in separate Envelope 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.			
(II)	TECHNICAL BID			
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 "DFR, Pune" payable at Pune for Rs.250/- towards the non-refundable cost of tender documents in case the tender documents have been downloaded from the web-site.			
2	Have you attached a photocopy of the Cash Receipt issued by the Office for Rs.250/- 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 "DFR, Pune" payable at Pune as the item for which quotation is being submitted. (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.			
6	Have you attached the Technical Specification Compliance Statement as given in Section VIII (Annexure II) failing which the technical bid will be rejected.			
7	Have you attached the supporting documents like (technical) literature of copies of relevant pages from the service manual or factory test (data) etc, failure regarding which may result in rejection of bid			
8	Have you attached self attested copy of the PAN Card and VAT Number etc of the firm issued by the relevant authority?			
9	Have you attached the letter of submission of bid in the prescribed format on the letter head of the agency?			
10	Have you attached any other relevant document in compliance as specified in the bid document?			
11	Has your technical bid been packed as per the instructions given in the Tender in a separate Envelope duly superscribed and sealed.			
12	Have you attached the Authorization letter from the concerned manufacturer both for Domestic and imported if you are not the manufacturer(as per Section VII/3).			
III	FINANCIAL BID			
1	Has your financial bid proposal duly filled in words and figures, sealed and signed on all the pages?			
2	Have you attached the Comprehensive AMC (if required as per the equipment requirement) in the prescribed performa and duly signed.			
3	Have you ensured that the Financial/price bid has been submitted and duly signed in the prescribed format as stated in the tender documents Section VII/1?			
4	Have you ensured that there are no overwriting, 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.			
5	Has your financial bid been packed as per the instructions given in the Tender in a separate Envelope duly superscribed and sealed?			

Signature of the authorized signatory of the Firm with seal