

भा.कृ.अनु.प.–भारतीय मक्का अनुसंधान संस्थान
ICAR-Indian Institute of Maize Research
पी.ए.यू. परिसर, लुधियाना
P.A.U. Campus, Ludhiana -141004
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निविदा सूचना
TENDER NOTICE

निदेशक, भारतीय मक्का अनुसंधान संस्थान, पं.कृ.वि.परिसर, लुधियाना द्वारा प्रतिष्ठित निर्माण कर्ता/ डीलरों से वैज्ञानिक/ कृषि उपकरण वस्तुओं की आपूर्ति और स्थापना के लिए दो बोली प्रणाली (i) तकनीकी बोली (ii) वित्तीय बोली तहत ईलेक्ट्रॉनिक निविदा आमंत्रित किया जाता है।

Electronic tender(s) under two bid system (i) Technical bid (ii) Financial bid are invited by the Director, Indian Institute of Maize Research, PAU Campus, Ludhiana from reputed Manufactures/Dealers in the line for supply and installation of scientific/farm equipment(s) items as below:

क्र. सं.	उपकरण का नाम	मात्रा (Qty.)	राशि (EMD in Rs.)
1	Double beam Spectrophotometer	1	15,000/-
2	Automatic Nitrogen/Protein analyzer	1	75,000/-
3	Lab-scale chromatography system	1	24,000/-
4	High speed centrifuge	1	36,000/-
5	-80 ⁰ fridge	1	15,000/-
6	Tractor mountained hydraulic Booms sprayer	1	5,000/-
7	Maize dehusker cum Sheller	1	5,000/-
8	Seed Processing Mobile Plant	1	36,000/-
9	Maize Sheller	4	12,000/-
10	Rotavator	1	3,000/-
11	Autoclave	1	18,000/-
12	Thermal Imaging Camera	1	15,000/-
13	Chlorophyll content meter	1	7,000/-
14	Seed Dryer	1	17,000/-

निविदा दस्तावेज केंद्रिय सार्वजनिक खरीद पोर्टल (Central Public Procurement Portal) से डाउनलोड किया जा सकता है। बोलीदाताओं से आग्रह है कि वे पोर्टल (<https://eprocure.gov.in/eprocure/app>) के माध्यम से प्रत्येक उपकरण के लिए अलग-अलग निविदाएं जमा कराएं। ईएमडी (डिमांड ड्राफ्ट के आकार में) मूल ब्रोशर के साथ कार्यालय, आईआईएमआर, पीएयू कैंपस लुधियाना में देय तिथि से पहले जमा करना है। अंतिम तिथि के बाद निविदा/ उद्धरण को स्वीकार नहीं किया जा सकेगा। मांग ड्राफ्ट को किसी भी राष्ट्रीयकृत/वाणिज्यिक बैंक से बनाया जा सकता है, जो **DIRECTOR ICAR-IIMR LUDHIANA** के पक्ष में देय है।

The tender document may be downloaded from the Central Public Procurement Portal (CPP Portal). Bidders are required to submit separate tenders for each equipment online through **CPP Portal only** (<https://eprocure.gov.in/eprocure/app>). **The EMD (in the shape of Demand Draft) alongwith original brochure may be submitted in Office, IIMR, PAU Campus, Ludhiana before the due date and time failing which the tender/quotation will not be entertained/accepted.** The Demand Draft may be made in favour of "DIRECTOR ICAR-IIMR LUDHIANA" from any nationalized/commercial bank payable at Ludhiana.

निविदा जमा करने के लिए अंतिम तिथि और समय	तकनीकी बोलियां खोलने के लिए तिथि और समय
30.11.18 by 10:30 A.M.	1.12.18 from 11:00 A.M. Onwards

यदि हिंदी अथवा अंग्रेजी संस्करण में कोई विसंगति पाई जाती है तो अंग्रेजी संस्करण मान्य होगा।

In case of any discrepancy in Hindi and English version, the english version will be final.

Sd/-
(प्रशासनिक अधिकारी)
Administrative officer

ICAR – INDIAN INSTITUTE OF MAIZE RESEARCH

PAU CAMPUS, LUDHIANA – 141 004

Tel. 0161-2440048; website: iimr.icar.gov.in

F.No.: 42-01/EFC-Equipments/P/IIMR/17-18

Date: 30.10.18

SCHEDULE OF TENDER (ADVERTISED TENDER ENQUIRY)

The Director, IIMR, Ludhiana invites electronic tenders under **Two Bid System** (Technical and Financial Bid) on the prescribed forms **Chapter-IV** and **V**, for the purchase of the following scientific/farm equipments as detailed in this schedule to tender. However, it may be noted that it will be the discretion of Director, IIMR whether to purchase the below mentioned equipment or not.

Sl.	Name of Equipment(s)	Qty.
1	Double beam Spectrophotometer	1
2	Automatic Nitrogen/Protein analyzer	1
3	Lab-scale chromatography system	1
4	High speed centrifuge	1
5	-80 ⁰ fridge	1
6	Tractor mountained hydraulic Booms sprayer	1
7	Maize dehusker cum Sheller	1
8	Seed Processing Mobile Plant	1
9	Maize Sheller	4
10	Rotavator	1
11	Autoclave	1
12	Thermal Imaging Camera	1
13	Chlorophyll content meter	1
14	Seed Dryer	1

THIS TENDER ENQUIRY HAS THE FOLLOWING CHAPTERS AND ANNEXURES:

- Chapter I : Instructions to Bidders
- Chapter II : Conditions of Tender/Contract
- Chapter III : Schedule of Requirement
- Chapter IV : Proforma for Technical Bid/compliance statement
- Chapter V : Proforma for financial bid
- Annexure -I : Performance Statement for last 3 years
- Annexure-II : Certificate
- Annexure-III : Checklist for tenderers
- Annexure-IV : Specimen contract agreement

You are requested to study the tender documents completely and ensure all documents and Annexures are correctly filled in, signed and stamped where applicable and then submit your offer.

Tenderers are advised to carefully go through all the conditions and documents attached with this tender enquiry, before filling in the tender. For each equipment/ item separate tender have to submitted as prescribed in the tender document using separate form, alongwith all documents, EMD etc. All tender documents attached with the tender are sacrosanct for considering any offer as

a complete offer. **All tender documents must be duly completed, signed by authorized signatory on each page and returned with the offer.**

This tender is not transferable.

Signature of Tenderer with office seal

Sd/-
Administrative officer

Chapter-I
Instructions to Bidders

1	Name of Store	IIMR, PAU Campus, Ludhiana
2	Tender form and document	The tender document may be downloaded from the Central Public Procurement Portal (CPP Portal). Bidders are required to submit separate tenders for each equipment online through CPP Portal only (https://eprocure.gov.in/eprocure/app). However, the original brochures may also be submitted in hard copy in addition to the online bid.
3	Last Date and Time for submission of Tender	30.11.18 by 10:30 A.M.
4	Time and Date of Technical Bid opening of Tender	1.12.18 from 11:00 A.M. Onwards Tenders will be opened online through CPPP.
5	Place of Submission of Tender Documents	TENDER may be submitted online only. i) The Institute will not be responsible for tenders submitted at any other place. Tenders not received within the due date will not be considered under any circumstances or for any reason. ii) Tenderers are requested to study the tender documents completely and ensure all documents, forms and annexure to the tender are completely and correctly filled in, signed and stamped where applicable, all necessary literature, brochures and pamphlets have been attached and then to submit their offer. Incomplete tender documents shall be rejected straightway without any reference to the tenderers. Leaving any column not filled in or with cuttings will lead to rejection of the tender.
6	Earnest Money Deposit (EMD) and Validity	Must be deposited in the form of crossed Demand Draft/Fixed Deposit receipt/Bank Guarantee in favour of "DIRECTOR ICAR-IIMR LUDHIANA" payable at Ludhiana from any nationalized/commercial Bank. No other form of deposit will be accepted. There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organization/NSIC/MSME only are exempted from submitting bids without EMD (proof of registration must be attached thereof without which it will not be considered). In case, if any tenderer fails to deposit the Earnest Money the tender will be rejected straightway.
7	OFFER VALIDITY of rates	The rates quoted should be valid for atleast six months from date of opening of technical bid.
8	Extension of validity	If the validity of the tender is extended, the validity of the Earnest Money will also have to be suitably extended by the tenderer failing which tender shall not be considered by the purchaser after the expiry of the said period.
9	Eligibility for Responding	i) Only those firms should respond who are the manufacturers/authorized dealers/agents of the scientific/farm equipments, specified in the tender specifications. ii) The foreign manufacturers of the tendered scientific/farm equipments

		<p>will have to specify in the tender document, details of the sales service to be provided after expiry of warranty period.</p> <p>iii) Indian agents of foreign manufacturers/principal are allowed to participate in the tender subject to the following conditions: -</p> <p>a) The Indian agent will submit along with the tender documents a copy of latest authority letter/agreement from the foreign manufacturer /principal.</p> <p>b) Such agreement/authority with the foreign manufacturers/principal should be on tender specific basis, not general authorization/dealership.</p> <p>c) In cases where the manufacturer has submitted the bid, the bids of its authorized dealer will not be considered and EMD will be returned.</p> <p>d) The Indian agent will provide details of the equipment after sales service and post contractual support i.e. repair, maintenance, supply of spare parts etc. that he will carry out.</p> <p>e) Offers from firms whose business activities are limited to procuring items from manufacturers, both Indian and Foreign and supplying the same to the purchaser, and having no after sales service backup will not be entertained.</p> <p>f) Where the quoting party /Indian representative claims to be subsidiary or branch office or an authorized representative or principal foreign manufacturer /supplier in India, then a copy of approval from RBI/Ministry concerned for operating business in India as subsidiary/branch/liaison or joint-venture may be submitted with offer. The Indian agent of foreign manufacturer should be Registered with DGS&D only in case the bid is for item falling in the restricted list of the Export & Import Policy of Govt. of India. Copy of the current concerned Registration Certificate must be enclosed failing which the bid will not be accepted.</p> <p>iv) The tenderer must have latest income tax return and PAN</p> <p>v) The tenderer must have latest GST certificate</p> <p>vi) The firm must have trade registration certificate</p>
10	Opening of Tender	<p>Tendering firms can authorize a representative to be present at the opening of the tender. The representative must bring with him a letter of authority from the firm to be present at the opening of tender. The Tender/quotations will be opened by Tender opening Committee through CPPP.</p> <p>The purchaser has the right to have a demonstration of the equipment/item in his premises. The supplier has to abide by this condition. The demonstration has to be arranged by the supplier at his own cost.</p> <p>In the case of consumable materials, the firm has to provide sample(s) and in the case of fabrication prototype has to be provided by the firm.</p>
11	Delivery Required By	<p>For Indian manufacturer - Within 45 days from the date of issue of award letter or as specified in the supply order.</p> <p>For Foreign firms – 90 days from the date of opening of letter of credit (LC) or as specified in the supply order.</p>

12	Terms of Delivery	For Indian manufacturer/suppliers:-FOR IIMR, Ludhiana and its regional centres (Begusarai, Hyderabad, and New Delhi) as per list. For Foreign manufacturer/suppliers: - On FOB Basis.
13	Inspection after Receipt of Goods	The inspection will be done by the tender opening Committee/Indenting officer in the presence of firm's representative. The successful tender will have to provide at his own cost and arrangement technically qualified personnel at the consignee's location for joint inspection. These personnel must be able to unpack, assemble and demonstrate the use of the equipment fully and identify each Part/Machines supplied. Any consumables that are essential will be provided by the supplier free of cost. In case of receipt of materials in damaged condition the suppliers will have to arrange the replacement of goods free of cost. All expenses in this regard will be borne by the supplier.
14	Packing and Marking	The packing and preservation of the supplied goods shall airworthy/seaworthy/roadworthy (as the case may be) so that it may provide their safety during transit period. The seller shall guarantee that the packing is strong enough to withstand the safety of the goods during transport. The packing should satisfy the security seal in the clearing warehouse and shall carry the fragile or other markings as required. Each packing case shall have labels as follows: Contract No. _____ Consignee: Director, IIMR Consignee Address: _____ AMC/CMC charges shall not be included for the evaluation of the financial bids. All damages which may occur as a result of defective packing/during transportation shall be borne by the seller.
15	Compliance Statement	The firms must submit compliance statement-cum-technical bid in the format given in Chapter-IV failing which their offer will be treated as incomplete and is liable to be rejected.
16	Guarantee/Warranty Terms	Comprehensive on site warranty is required. Warranty period will start from the date of installation of items. In case at installation equipment/part of equipment are found defective /damaged during or after delivery to consignee, the suppliers will replace or repair the equipment under warranty at consignee's location in India free of cost or if any case it is required to send back to the foreign manufacturer, bank Guarantee equivalent to the cost of equipment is required to be submitted before lifting the equipment. All expenses in this regard will be borne by the supplier.
17	Performance Security	The successful bidder will have to submit a Performance security (5-10% of the contract value) as demanded by the Institute. The validity of performance security valid till 60 days + the period of expiry of the Warranty/Guarantee period in shape of crossed Demand Draft/Fixed Deposit

		Receipt/Bank Guarantee from a nationalized/commercial bank in favour of "DIRECTOR ICAR-IIMR LUDHIANA" payable at Ludhiana.
18	Liquidated Damage	In case the firm does not complete the supply within the laid down agreed delivery period as per contract, liquidated damages will be charged @ 0.5% per week or part thereof subject to a maximum of 10% of the contract value. However, the Institute reserves the right to either further extend or cancel the contract after expiry of delivery date and recover the liquidated damages from the dues of the firm or by legal means.
19	Dispute settlement	The dispute arising out of this contract shall be subject to the jurisdiction of Indian laws & Ludhiana jurisdiction. Sole arbitrator is appointed by the Secretary, ICAR, New Delhi. His decision will be final and binding on both parties (Supplier and Purchaser).
20	Submission of the proposal	<p>i) The tenderers should submit the tenders in TWO BID SYSTEM</p> <p>ii) Composite bid i.e. rates indicated in the technical bid openly is liable to be rejected.</p> <p>iii) Only the first cover i.e. Technical Bid shall be opened on the date of tender opening.</p> <p>iv) Price bids of only those offers, which will be technically acceptable, will be opened for which the firms will be informed accordingly.</p> <p>A. TECHNICAL BID: The FIRST COVER should contain the following:</p> <p>i) Tender documents alongwith annexures/schedules and checklist duly completed, signed and stamped but WITHOUT INDICATING THE RATE QUOTED.</p> <p>ii) The technical details of the models offered along with the supporting original technical literature, leaflets, brochures etc. as per Chapter-IV.</p> <p>iii) Earnest Money Deposit.</p> <p>iv) Details of supplies of similar equipment as per Annexure-I along with copies of supply orders and installation report.</p> <p>v) Registration certificate of the firm/manufacturer, in case of Indian manufacturer.</p> <p>vi) Latest agreement/authorization from the principal manufacturer in case agent/dealer is submitting tender on its behalf.</p> <p>vii) Where the quoting party /Indian representative claims to be subsidiary or branch office or an authorized representative or principal foreign manufacturer /supplier in India, then a copy of approval from RBI/Ministry concerned for operating business in India as subsidiary/branch/liaison or joint-venture may be submitted with offer. The Indian agent of foreign manufacturer should be Registered with DGS&D only in case the bid is for item falling in the restricted list of the Export & Import Policy of Govt. of India. Copy of the current concerned Registration Certificate must be enclosed failing which the bid will not be accepted.</p> <p>viii) Latest income tax return and copy of PAN</p> <p>ix) Latest GST certificate.</p> <p>x) It shall also be confirmed that there are no Govt. restrictions or limitation in the country of the supplier or countries from which sub-</p>

		<p>components are being procured and/or for the export of any part of the system being supplied. Tenderer shall provide a certificate to this effect.</p> <p>B. FINANCIAL BID: The SECOND COVER should contain the following:</p> <ul style="list-style-type: none"> i) Details of rates, taxes, duties, discounts, if any, quoted by the bidder, should be submitted as per Chapter-V. ii) Any documents in support of price bid. iii) For Indian manufacturer rate should be at F.O.R. destination. iv) For foreign supplier rates should be at FOB basis. <p>NOTE: Full name and status of the person signing the tender documents must be clearly mentioned in the Tenders.</p> <p>Note: Quotation/Tender having overwriting and cutting without proper attestation and signature will not be considered.</p>
21	Evaluation of the Proposal	<p>A two stage procedure will normally be adopted:</p> <p>i) Stage-I: Technical Evaluation</p> <ul style="list-style-type: none"> a) Evaluation of Technical Bids to assess their suitability against the laid down parameters. b) The tenderer must specify and highlight the page no. in the original technical literature in compliance to indentor's specifications failing which the tender will be rejected. c) Tenderers must ensure that they enclose all original technical literature and detailed documentary proofs which specifically bring out the compliance of the equipment being offered against the specifications. If necessary the Tenderers may be directed to give a presentation/demonstration for evaluation by a technical committee constituted for the purpose. d) In case it is not possible to verify compliance of equipment as per technical bid due to lack of adequate documents, in original, no reference will be made to tenderer and the bid will not be considered further and treated as cancelled. <p>ii) Stage-II: Financial Evaluation</p> <ul style="list-style-type: none"> a) The price bids of only those firms found meeting the laid down specifications at stage I shall be opened, evaluated and considered further. b) It is in the tenderers interest to include all relevant and detailed technical data as supporting documents along with their bid. c) AMC/CMC charges shall not be included for the evaluation of the financial bids.
22	Mode of Payment	<p>A. FOR INDIGENOUS SUPPLIERS: Payment on bill basis after supply, satisfactory installation, commissioning and performance of the equipment at IIMR, Ludhiana or the regional stations, as the case may be, and after certification by our Scientists concerned.</p> <p>B. FOR IMPORTS: The payment shall be made through irrevocable Letter of Credit (L.C.). LC will be opened on 100% value of the equipment/item on FOB value and 90% shall be released on presentation of complete and clear shipping documents. Rest 10% will be released only after satisfactory installation and commissioning of the equipment. This will not include</p>

		commission to the Indian Agent. Payment to the Indian agent will strictly be made in Indian Rupees after satisfactorily commissioning of equipments. All bank charges outside India will be borne by the supplier. In case the delivery date of the contract is extended to take care of delay in supply, for which the supplier is responsible, the tenure of the letter of credit so extended, the expense incurred therefore such extension is to be borne by the supplier.
23	Training	The tenderers shall provide training to the user as per the terms and conditions of the contract as has been specified in technical & financial bids free of cost at the time of installation/commissioning of equipment at the consignees/users location, as specified by the purchaser. All expenses in this regard will be borne by the supplier.
24	Insurance	As applicable in the case of imported goods. For indigenous item it will be responsibility of the supplier to supply the material in good condition on FOR basis without involving the risk of the purchaser.

Note: A legal agreement/contract shall be executed with the seller by the Institute before installation of all/any type of instrument/machine as per the instructions of the Indian Council of Agricultural Research (ICAR).

Important Notes:

1. Aspiring Bidders who have not enrolled/registered in e-procurement should enroll/register before participating. The portal enrolment is free of cost. Bidders are advised to go through instructions provided at "Instructions for online Bid Submission".
2. Only bids received on e-tendering portal will be considered for opening. Bids in any physical form sent through fax/email/courier/post/delivered personally will not be considered.
3. IIMR reserves the right to accept/reject any/all tenders in part/full without assigning any reason thereof.
4. IIMR will not be responsible for any delay in enrollment or submission of the offer/uploading the offer on e-tender portal for any reason whatsoever. Hence vendors are advised to register in e-tendering website & enroll their Digital Signature Certificate (Class – II or above) and upload their quotations well in advance to avoid last minute problems.
5. Any Addendum/Corrigendum/date extension in respect of above tender shall be issued on our website iimr.icar.gov.in and CPP Portal only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website (iimr.icar.gov.in) to keep themselves updated.

Sd/-
(Administrative Officer)

Signature of Tenderer with office seal

CHAPTER-II
CONDITIONS OF TENDER/CONTRACT

1. All annexure, attached with the Tender should be duly filled in and supported with requisite documents for considering any offer as a complete offer.
2. Director, IIMR, Ludhiana, reserves the right to cancel/reject any or all the tenders without assigning any reason.
3. The tender document may be downloaded from the Central Public Procurement Portal (CPP Portal). Bidders are required to submit the separate tenders for each equipment online through CPP Portal only (<https://eprocure.gov.in/eprocure/app>). The EMD (in the shape of Demand Draft) alongwith original brochure may be submitted in the Office, IIMR, PAU Campus, Ludhiana before the due date and time failing which the tender/quotation will not be entertained/accepted. The Demand Draft may be made in favour of "DIRECTOR ICAR-IIMR LUDHIANA" from any nationalized/commercial bank payable at Ludhiana.

There will be no exemption for paying earnest money. However, Firms registered with the Central Purchase Organization/NSIC/MSME only are exempted from submitting bids without EMD (proof of registration must be attached thereof without which it will not be considered).

- a) No interest shall be payable by the purchaser on the EMD deposited by the tenderer.
 - b) The EMD deposited is liable to be forfeited if the tenderer withdraws or amends impairs or derogates from the tender in any respect within the period of validity of his tender.
 - c) If the successful tenderer fails to furnish the performance security as required in the contract within the stipulated period, the **Earnest Money** shall be liable to be forfeited by the purchaser.
 - d) **EMD** of the unsuccessful tenders shall be returned after finalization of tender.
4. **GUARANTEE/WARRANTY**
- I. Except otherwise provided in the invitation to tender the contractor hereby declares that the goods/stores/articles/equipment sold/supplied to the purchaser/consignee under this contract shall be of best quality and workmanship and new in all respects and shall be strictly in accordance with the specification and particulars mentioned/contained in the contract. The contractor hereby guarantees that the said goods/stores/articles would continue to conform to the description and quality aforesaid for a period of **Twenty Four** months from the date of receipt of goods/articles/equipment in good condition at site by the consignees in case of supply contract and **Twenty Four** months from the date of installation and satisfactory taking over of the goods/stores/articles/equipment at site by consignee where installation and commission is involved and notwithstanding the fact that the purchase /inspection authority has inspected and/or approved the said goods/stores/articles equipment or such if during the **Twenty Four** months the said goods/stores/articles/equipment be discovered not to conform to the description and quality aforesaid or not giving satisfactory performance or have deteriorated and the

decision of the purchaser/consignee in that behalf shall be final and binding on the contractor/seller and the purchaser shall be entitled to call upon the contractor/seller to rectify the goods/stores /articles/equipment or such specified period as may be allowed by the purchaser in his/her discretion on application made thereof by the contractor/seller, and in such an event, the above period shall apply to the goods/stores/articles/equipment rectified from the date of rectification mentioned in the warranty thereof, otherwise the contractor/seller shall pay the purchaser such compensation as may arise by reason of the breach of warranty therein contained.

- II. Guarantee that they will supply the spare parts, if and when required on agreed basis for an agreed price. The agreed basis could be and including but without limitation an agreed discount on the catalogue price or an agreed percentage of profit on landed cost.
- III. Warranty to the effect that before going out of production for the spare parts they will give adequate advance notice to the purchaser of the equipment so that the later may undertake the balance of lifetime requirements.

NOTE: In case of any discrepancy in the period of guarantee/warranty mentioned anywhere else in this Tender document, the stipulations as mentioned in the chapter IV (specification of the equipment/ item to be purchased) would prevail.

5. **Price:** The price quoted shall be on firm and fixed basis and should be reasonable leaving no scope for any further negotiation on price.
 - A. **For goods manufactured in India:** (i) on FOR basis (including all kind of charges and taxes)
 - (ii) Installation commissioning charges, if any
 - B. **For goods manufactured abroad:** (i) price of the goods should be quoted on FOB basis
 - (ii) Indian agent commission if any.
 - (iii) Installation commissioning charges, if any

The Institute is exempted from payment of excise duty. Hence, excise duty will not be paid to the firm.

Sales tax: The institute is not authorized to issue Sales Tax Form C&D.

The Institute is exempted from payment of Custom Duty for which the exemption certificate will be issued.

6. **AMC of Equipment:** The firm has to ensure that after the warranty/Guarantee term is over, there will be AMC of the equipment on mutually agreed price and terms and conditions.
7. **Penalty for use of undue influence:-** The seller should undertake that he has not given offered or promised to give directly or indirectly any gift, consideration, reward, commission, fees brokerage of inducement to any person in service of the Purchaser or otherwise in procuring, the contract or forbearing top do or for having done or for borne to do any act in relation or execution of the contract or any other contracts with the Institute for showing or for bearing to show favour or disfavor to any person in relation to the contract or any other contract in the IIMR. Any breach of the aforesaid undertaking by the seller or any one employed by him or acting his behalf whether with or without the knowledge the seller or the commission of any offers by the seller or any one employed or

acting on his behalf, as defined in Chapter-IX of the IPC, 1860 or the Prevention of Corruption Act, 1947 or any other Act enacted for the Prevention of Corruption shall entitle the purchaser to cancel the contract and all or any other contract with the Institute seller and recover from the seller the amount of any loss arising from such cancellation. A decision of the purchaser or his nominee to the effect that a breach of the undertaking had been committed shall be final and binding on the seller.

Giving or offering of any gift, bribe or inducement or any attempt at any such act on behalf of the seller towards any officer/employee of the purchaser or to any other person in a position to influence any officer/employees of the purchaser for showing any favour in relation to this or any other contract shall render the firm to such liability/penalty as the buyer may deem proper, including but not limited to termination of the contract, imposition of penal damages, forfeiture of the bank guarantee and refund of the amounts paid by the buyer.

8. **LAWS GOVERNING THE CONTRACTS:-** The contracts shall be governed by the laws of India for the time being in force. The contract shall be interpreted in accordance with these laws.
9. **Jurisdiction of Court:** The dispute(s), if any, arising in relation to the Contract, shall be subject to Ludhiana jurisdiction.
10. **Force Majeure Clause:** 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. 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 event may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods. Epidemics, quarantine restrictions, strikes, lockout or any act of war. Notice of the happening of any such event is given by either party to the other within 15 days from the date of occurring thereof. However either party at its discretion can terminate the contract in such cases.
11. **Termination of contract:** Time shall be the essence of the contract. The purchaser shall have the right to terminate the contract without any notice in part or in full in any of the following cases.
 - a) The delivery of the material is delayed for causes not attributed to Force Majeure after the scheduled date of delivery.
 - b) The seller is declared bankrupt or becomes insolvent.
 - c) The delivery material is delayed due to causes of Force Majeure by more than reasonable time.
 - d) In case Performance Security is not furnished within the time period specified by the purchaser.
 - e) if the Tenderer do not conform to the specifications of the equipment being purchased.

- f) Any change in Address /Telephone/Fax/e-mail of the tenderer should immediately be informed. The state of non-communication by the firm will make the offer liable for rejection.
12. The successful bidder will have to provide the original proforma invoice from the foreign principal (duly signed in ink), in case of imported item/equipment, within 15 days of the date of receipt of purchase order, otherwise the purchase order will automatically stand cancelled without any further communication.
13. **Govt. Regulations:** It shall also be conformed that there are no Govt. restrictions or limitation in the country of the supplier or countries from which sub-components are being procured and/or for the export of any part of the system being supplied. Tenderer shall provide a certificate to this effect.
14. **Late/Delayed tenders** shall not be considered at all. These will be returned to the firm as it is at their expenses. Post tender revision/correction shall also not be considered.
15. **Acceptance or rejection of offer:** - The Director, IIMR, Ludhiana reserves the right to accept or reject any tender in part or full without assigning any reason thereof. The successful bidder should submit order acceptance letter within 15 days from the date of issue.
16. **Page Numbering and Signatures:** - Every page of the tender must be numbered and signed by the authorized signatory giving his/her name and designation below the signature.

Signature of Tenderer with office seal

Sd/-
Administrative officer

Chapter-III

Schedule for requirement of the equipment/item to be purchased

Sl.	Name of Equipment(s)	Qty.	Specification Details in Chapter - 4	To be supplied at
1	Double beam Spectrophotometer	1	Schedule-A	IIMR, PAU Campus, Ludhiana
2	Automatic Nitrogen/Protein analyzer	1	Schedule-B	
3	Lab-scale chromatography system	1	Schedule-C	
4	High speed centrifuge	1	Schedule-D	
5	-80 ⁰ fridge	1	Schedule-E	
6	Tractor mountained hydraulic Booms sprayer	1	Schedule-F	RMR & SPC, Begusarai, Bihar
7	Maize dehusker cum Sheller	1	Schedule-G	
8	Seed Processing Mobile Plant	1	Schedule-H	
9	Maize Sheller	4	Schedule-I	
10	Rotavator	1	Schedule-J	IIMR, Pusa Campus, New Delhi
11	Autoclave	1	Schedule-K	
12	Thermal Imaging Camera	1	Schedule-L	
13	Chlorophyll content meter	1	Schedule-M	IIMR, PAU Campus, Ludhiana
14	Seed Dryer	1	Schedule-N	

***Tick the equipment for which tenderer is bidding and also fill the concerned schedule in Chapter-4.**

Signature of Tenderer with office seal

Chapter-IV
Schedule – A: Double beam Spectrophotometer

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Optical system: True Double Beam				
2	Wavelength range: 190 to 1100nm				
3	Spectral band pass: 1nm				
4	Stray light: <0.03%				
5	Wavelength accuracy: ±0.1 nm				
6	Wavelength scan speed: upto 2800 nm/min				
7	Baseline stability: Flatness-±0.001 A				
8	Noise level: < 0.00005 A				
9	Light source: Deuterium and Tungsten				
10	Light source changeover: prealigned sources with automatic switch-over				
11	Detector: Silicon Photodiode				
12	Display: In PC with suitable s/w				
13	Cuvetts: quartz cuvettes 4 pairs				
14	Warranty: Two years from the date of installation				

15	One lamp (extra) each of UV and visible range must be supplied along with the equipment User list should be provided.				
16	PC Configuration: Suitable processor, 2 GHz, 3 GB RAM, 500 GB Hard disc, 52XCD-ROM Drive, 17" SVGA color monitor, Microsoft windows XP/2007, DVD Player, Printer, Mouse, Manual etc.				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV

Schedule – B: Automatic Nitrogen/Protein analyzer

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Fully Automatic Nitrogen/ Protein analyzer				
2	Specifications for IR/Block Digestion system				
3	IR/block Digestion system atleast 12 places or higher with digestion tubes of 250/300 ml capacity				
4	Electronic temperature controller with display for time, temperature range upto 580°C				
5	Digestion system should be acid resistant				
6	System should be able to connect to scrubber				
7	Specifications for FULLY AUTOMATIC DISTILLATION SYSTEM WITH IN BUILT titration system				
8	Automatic distillation with inbuilt titration & automatic inbuilt calculation. Nitrogen/protein result should display on the system				
9	Distillation time/sample (1-5 min)				
10	Recovery rate% (> 99.5)				

11	Reproducibility % (+ /- 1)				
12	Detection limit N (0.1 mg)				
13	Addition H ₂ BO ₃ (Automatic)				
14	Addition H ₂ O (Automatic)				
15	Addition NaOH (Automatic)				
16	Programmable reaction time (Automatic)				
17	Programmable distillation time (Automatic)				
18	Stream generator (Automatic)				
19	Automatic suction of sample waste (Automatic)				
20	Automatic suction of the receiver (Automatic)				
21	Fully transparent door for better view of distillation process and circulation in condenser				
22	Protection Door with safety switch				
23	Storage of 50 different methods and 500 results				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Schedule – C: Lab-scale chromatography system

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	The system should consist of a real time run control and visualization system, real time monitor (UV and conductivity), pump and fraction collector, pressure sensor, sample injection, gradient formation, etc.				
2	The system should be capable of purifying proteins in aqueous, non-organic solvents. The system should be capable of purifying protein at low pressures (< 3 bar) also				
3	The system should not require external gas/air to get eluent under pressure				
4	Pump: a) Maximum flow rate of the pump should 40 ml/min or more. b) Minimum flow rate of the pump should 0.2 ml/min or less. c) Maximum pressure should be 10 bar or more. d) Should have pressure sensor/monitor. e) The instrument should have system for accurate gradient formation.				

5	<p>UV-Detector:</p> <p>a) The system should have absorbance monitoring in wavelengths within 250-260 nm and 270-290 nm range.</p> <p>b) The system should have rovision to include optional filters for different other wavelengths.</p> <p>c) Maximum absorbance should be 2.5 AU or more.</p> <p>d) Minimum absorbance should be 0.5 AU or less.</p>				
6	<p>Conductivity range and pH monitoring: Maximum conductivity should be at least 500 mS/cm and inline pH electrode should have accuracy of 0.1 pH unit within pH range 3-11</p>				
7	<p>Fraction Collector:</p> <p>a) Should be able to collect fractions according to time/volume.</p> <p>b) Capable to collect at least 50 fractions, of tubes with 1-1.3 cm diameter.</p>				
8	<p>Control software: System should have dedicated software for monitoring, presentation and evaluation of results</p>				
9	<p>Sample injecting loops or system for loading samples in different volume ranges within 0.1-2.5 ml should be provided</p>				
10	<p>Necessary kit box having all accessories cables and several types of tubing</p>				

	useful for liquid chromatography applications (for columns of affinity chromatography, buffer exchange, ion exchange, gel filtration, etc.) should be provided				
11	The system should be capable of handling gel filtration column of length 60 cm and above without any configuration change in the system, except the connection of column				
12	<p>System should be supplied with</p> <p>a) Ion Exchange pre-packed columns of different exchangers (anionic and cationic both- 1 each) compatible with the system. Ion exchange pre- packed column resin should have mean particle size less than 100 µm. The mean particle size of the resin should be specifically mentioned.</p> <p>b) 1 quantity of Affinity chromatography pre-packed column for purification of Histidine-tagged proteins and 1 quantity pre-packed desalting column.</p> <p>c) The chromatography system and columns/ consumables as specified above in point no. 12. a) and 12. b) above, should be of same make/ manufacturer. The make/manufacturer should be specifically</p>				

	<p>mentioned.</p> <p>d) The resin beads to be provided in the columns specified above in points 12. a), 12. b) and 12. c) should be compatible with the system and also compatible for cleaning with high molarity solutions of sodium hydroxide alkaline buffers.</p> <p>e) Independent manual pump for loading samples, capable of giving flow upto at least 200 ml/hour with any one of the tubing sizes and any one of the flow rate. The pump should support standard tubing of at least 1-3 mm.</p>				
13	<p>An integrated digital interface or a compatible computer system suitable for running, storing and analysis of data of the system should be provided. A UPS (Uninterrupted Power Supply) system of sufficient power to run the whole system for limited time should be provided</p>				
14	<p>The complete system including the UPS should have a minimum warranty of at least 1 year</p>				
15	<p>The system should be CE certified</p>				
16	<p>All the points should be clearly and specifically marked in the product catalogue or manual that</p>				

	<p>should be provided along with during application for the purpose of evaluation. The page number where a particular point has been specifically highlighted for making a claim must be provided in the Compliance sheet to be filled by the firm during application for the system</p>				
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Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – D: High speed centrifuge

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Max RCF: 23000 x g or more (with any one rotor to be provided with the system)				
2	Temp Range: At least -10°C to +40°C				
3	Drive System: Induction motor				
4	The instrument should have Imbalance Detection System				
5	The machine should either be floor-standing or bench-top model. In case of bench-top model, fully-balanced table capable of handling the weight of fully loaded machine, with at least 15 cm space all around the sides, should be provided along with				
6	Certifications: CE/IVD compliant Machine should be supplied with following rotor (The description of a rotor is stated as range for both "Number of centrifuge tubes or containers" multiplied by "Volume of each individual tube or				

	container that gets accommodated in the specified rotor”). Similar description is provided for adapters also				
7	Fixed angle Rotor (Number and Size): 4-16 x 200-300 ml, RCF: At least 17000 X g				
8	With Fixed angle Rotor /Adapters for 6-50 x 40-60 ml				
9	With Fixed angle Rotor /Adapters for 8-50 x 10-20 ml				
10	Fixed angle and/or Swing Out Rotor (Number and Size): 4-8 x 800–1600 ml, RCF: At least 4000 X g				
11	With Fixed angle or Swing out Rotor /Adapters for 4-30 x 400-500 ml				
12	With Fixed angle or Swing out Rotor /Adapters for micro plates				
13	<p>Fixed angle Rotor (Number and Size): 20-60 x 1.5-2 ml, RCF: At least 23000 X g.</p> <p>In case a rotor is available in which the ‘sizes and number of tubes or containers’ mentioned above from point no. 7-13 can be accommodated in fixed angle configuration for point no’s 7-9 and 13, and fixed angle and/or swing out configuration for point no’s 10-12 using any adaptors either individually or in combination without compromising the range (number and size) of containers mentioned above from point no’s 7-13, the same may be quoted, specifically mentioning that</p>				

	<p>all the desired sizes and number of tubes or containers can be operated in the quoted item and also including the said rotors/adaptors in the quotation.</p> <p>The number of adaptors to be provided should satisfy the requirements of both the number and the size of centrifuge tubes or containers as given in point no's 7-13 above.</p> <p>The machine should be provided with rotors and adaptors that fit within the supplied rotors to centrifuge containers of volume range 1.5-2ml, microplates, 10-20 ml, 40-60 ml, 200-300 ml, 400-500ml and 800-1600 ml at the number of each tube or container as mentioned in the point no's 7-13 above</p>				
14	20 units of each type of centrifuge tube compatible with rotors and adaptors of the centrifuge machine should be provided				
15	Compatible stabilizer for voltage stabilization, surge protection and over-current protection should be included and provided along with the centrifuge. Price of the same should be inclusive				
16	Machine (complete system along with stabilizer mentioned in point no. 16) should have minimum 2 years warranty				

17	<p>All the points should be clearly and specifically marked in the product catalogue or manual that should be provided along with during application for the purpose of evaluation.</p> <p>The page number where a particular point has been specifically highlighted for making a claim must be provided in the Compliance sheet to be filled by the firm during application for the system.</p>				
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Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – E: -80° fridge

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	The system should be capable of attaining a minimum temperature of -80°C or lesser at ambient temperature (of 30°C), without requiring any outside cooling unit other than the system itself				
2	Internal capacity of the system (in terms of volume) should be at least 600 litres				
3	The height and width of the system should be less than 90 and 50 inches, respectively				
4	The system should have at least three shelves				
5	The system should have minimum of at least 5 year warranty for compressor				
6	The system should have alarm for common features like high/low temperature, etc				

7	Alarm and temperature of the system should be adjustable within 1 degree increments				
8	The system should have automatic reset feature, allowing to protect the system from failure caused by power fluctuations				
9	The system should have door lock				
10	Instrument should be CE certified				
11	Factory-calibrated report of the system should be provided				
12	The system should be supplied with Voltage Stabilizer to protect against over-current and surge. Price of the same should be inclusive				
13	The system should have minimum of at least 5 years warranty for compressor. Apart from the 5-year warranty on compressor, rest of the system including voltage stabilizer should have a minimum warranty of at least 2 years				
14	All the points should be clearly and specifically marked in the product catalogue, technical data sheet or manual that should be provided along with during application for the				

	purpose of evaluation. The page number where a particular point has been specifically highlighted for making a claim must be provided in the Compliance sheet to be filled by the firm during application for the system.				
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Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV

Schedule – F: Tractor mounted hydraulic Booms sprayer

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Tank capacity 600-100 liters				
2	Boom size & spray covering 40 feet.				
3	No. of nozzles 20-24				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – G: Maize dehusker cum Sheller

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Axial flow peg type Sheller tractor operated PTO shaft type capacity 20-25 qtl/hour.				
2	No grain/seed damage device				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – H: Seed Processing Mobile Plant

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Capacity 1-2 ton/hour with pre cleaner three screen seed grader.				
2	7.5 HP electric 3 phase motor run, suitable for processing and grading of Maize, Wheat, Soyabean etc.				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – I: Maize Sheller

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Maize sheller with electric motor 2-5 HP shelling capacity 2-5 qtl/hour with no seed damage service				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – J: Rotavator

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	36 blade multispeed pinion gear driver 5 fit width to be driven by 45-55 HP tractor				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – K: Autoclave

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Fully automated vertical design autoclave with following features: Autoclave must be fully microprocessor controlled (fully automatic) with digital display and function keys				
2	Autoclave must have the customized application programs like sterilization program in addition to customer specific programs for the repeated use				
3	The working temperature should be upto 134°C or higher				
4	Actual Temperature and Run Time digital display should be available				
5	It should have the effective capacity / volume of 65 Liter or more				
6	Maximum working pressure should be 0.25 MPa or more				
7	It should have Timer setting for Auto Start and Pre-heating facility for the efficient use of time				

8	The Autoclave must be provided with the feature like, preset cooling, temperature sensor, error warning, water level sensor, lid-interlock sensor/system				
9	The Autoclave must be provided with adequate safety mechanism like, short circuit/current leakage, sensor break detection, over-heating prevention/detector, safety valve, over-pressure prevention/ detector				
10	The sterilization chamber constructed of corrosion resistant stainless steel				
11	Stainless steel Basket (mesh type) should be provided				
12	The equipment should have comprehensive on-site warranty, including labour charges and spare parts for a minimum period of 2 year				
13	All specifications of the equipment should be mentioned on the website of the principal manufacturer.				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – L: Thermal Imaging Camera

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Temperature range measurement: Thermal imaging camera with temperature range of -20°C to >+650°C with an accuracy of ±2°C or 2% and Thermal Sensitivity of <0.05°C				
2	Image capturing and its quality: The 320 x 240 pixel resolution for impressive infrared image quality and ≥3 megapixel digital camera				
3	Display: 3.5" LCD (preferable with touch screen)				
4	Field of view (FOV): It should be 25°H to 19°V or less				
5	Image frequency: 60 Hz with 2% accuracy				
6	Focus Type: Manual/auto focus with minimum distance of less than 40 cm				
7	Battery operating time: The battery should be rechargeable with working life of ≥ 3 hours				
8	Instrument peripherals: Infrared camera, memory card, Li-Ion rechargeable battery, power supply, USB cable, hard carrying case,				

	user documentation				
9	Weight of the instrument: It should not be more than 1.1 kg for easy operation				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – M: Chlorophyll content meter

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Measurement application: To measure in-situ non-destructive chlorophyll per m ² of leaf surface				
2	Measurement Area: 3 to 9 mm diameter leaf area				
3	Resolution: ± 10 µmol m ⁻² chlorophyll concentration for generic equation or 1 mg m ⁻²				
4	Linearity and Repeatability: ± 1 % or typical ratio 0.03				
5	Sample Acquisition Time: < 6 seconds				
6	Storage Capacity: >7.5 MB data storage				
7	User Interface: Display screen with push buttons or touch screen for control				
8	Data Output: USB port provided for main data transfer				
9	Measured Variables/parameter: Ratio of optical transmission at 931 nm to optical transmission at 653 nm or chlorophyll Fluorescence Ratio (CFR) at 735				

	nm/700nm				
10	Operating Temperature: 0 to 50 °C				
11	Temperature Drift: Temperature compensated source and detector circuitry over full range				
12	Power Source: Standard alkaline battery or rechargeable AA batteries				
13	Auto-off Interval: 0-20 minutes (with no key press or download)				
14	Mass of equipment: <300 g				
15	Warranty: Should be quoted with 02 year warranty				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-IV
Schedule – N: Seed Dryer

TECHNICAL BID/COMPLIANCE STATEMENT

S.N	Details of Technical Specifications	Whether complied with YES/NO	If yes, please attach Tech literature of the equipment duly printed & clearly specify page No. which specifically confirm this point	If no, attach deviation statement	Remarks (if any)
1	Body of Seed drier should be made up of stainless steel or mild steel. Inner & contact parts should be made of stainless steel				
2	Seed drier should be internally washable and rust proof				
3	Insulation should be ensured from sides with electric heating system. Insulation space (space between outer & inner layer of body) should be atleast 3 inch and with puss insulation/glasswool insulation				
4	Machine should be fully automated for temperature and time control. Digital display should be provided for temperature, time and humidity. Programmable temperature and maximum temperature should be upto 70°C				
5	Programmable dehumidifier device should be integrated with drier for humidity control				
6	The drier should consist of 4 columns with 18 rows in each column. It should be able to contain a total of 72				

	trays. The tray size should be of 600 mm length, 300 mm width and 3 cm height				
7	Trays should be made of stainless steel and perforated with perforation size of atleast 4 mm & pitch of atleast 6 mm. Thickness of trays should be of atleast 18 gauge				
8	Gap between two consecutive trays should be atleast 10 cm				
9	The load capacity of the seed drier should be atleast 350 kg				
10	Height of the base of seed drier from floor should be atleast 15 cm				
11	Electric consumption in terms of voltage should be sufficient to support the loading capacity of atleast 350kg				
12	There should be integration of fan for proper air circulation.				

Note: 1. All the bidders are requested to provide true statement in the columns. Concealing of facts will liable to be rejected the tender completely. No communication will be made in this regard.

2. Category of classification of the goods in its packing as per IATA definition inclusive of nature of sensitivity and volume of cargo.

Signature of Tenderer with office seal

Chapter-V

Name of Equipment: _____

PROFORMA FOR PRICE BID

S. No.	Name of item	Qty.	Currency	Rate/Unit	Net Price
1.	Equipment:				
2.	Cost of equipment				
3.	Cost of accessories				
4.	Ex-factory price (2+3)				
5.	Packaging and handling charges				
6.	FOB price (4+5)				
7.	Freight charges				
8.	Agency commission, if any				
9.	Total (6+7+8)				
10.	GST/Taxes				
11.	Other charges, if any				
12.	Grand Total (9+10+11)				
13.	Total in figures				

Signature of Tenderer with office seal

PERFORMANCE STATEMENT FOR LAST 3 YEARS

S. No.	Name of the items	Name of the office by whom order was placed	Order No. & date (Please enclose copy of supply orders and installation report)	Value of supply order	Delivered in time or not	If not please specify the reason	Self certificate for satisfactory working report for each office where the instrument has been supplied

Signature of Tenderer with office seal

CERTIFICATE TO BE SIGNED BY THE TENDERER

CERTIFICATE

It is certified that I have read and understood and will comply all instructions and terms and conditions contained in tender document and its schedules. All pages of schedule to tender from page _____ to _____ have been filled properly and signed.

The firm has not been blacklisted by any Govt./Public/Private organization.

Signature of tenderer _____

Name in block letters _____

Name of firm: _____

Full address: _____

Telephone No. _____

Mobile No. _____

Fax No. _____

Email id _____

Website _____

Signature of Tenderer with office seal

Check list for Tenderers

Before submission of tender documents, Tenderer should check they have complied with the following requirements

Sl.	Requirements to be checked before submission of the tender	Complied (Yes/No)
1.	Proposal has been submitted in two bid system – Technical Bid & Financial Bid as per tender enquiry	
2.	Earnest money Deposit (EMD) has been submitted. If not, then supporting documents proving exemption to this enclosed.	
3.	Complete tender documents alongwith annexures/schedules and checklist have been enclosed, after signature & stamping on ALL pages.	
4.	The technical details of the models offered along with the supporting original technical literature, leaflets, brochures etc. as per Chapter-IV	
5.	Details of supplies of similar equipment as per Annexure-I along with copies of supply orders and installation report	
6.	Registration certificate of the firm/manufacturer, in case of Indian manufacturer	
7.	Latest agreement/authorization from the principal manufacturer in case agent/dealer is submitting tender on its behalf	
8.	Where the quoting party /Indian representative claims to be subsidiary or branch office or an authorized representative or principal foreign manufacturer /supplier in India, then a copy of approval from RBI/Ministry concerned for operating business in India as subsidiary/branch/liaison or joint–venture may be submitted with offer. The Indian agent of foreign manufacturer should be Registered with DGS&D only in case the bid is for item falling in the restricted list of the Export & Import Policy of Govt. of India. Copy of the current concerned Registration Certificate is enclosed	
9.	Latest income tax return and copy of PAN	
10	Latest GST certificate	
11	It shall also be confirmed that there are no Govt. restrictions or limitation in the country of the supplier or countries from which sub-components are being procured and/or for the export of any part of the system being supplied. A certificate to this effect is enclosed	

Signature of Tenderer with office seal

Specimen Contract agreement

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 Contract referred to:

5. Details of Performance Security @ 5-10% of total value of contract.
6. Brief particulars of the goods and services which shall be supplied/ provided by the supplier are as under:

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

Total value (in figure) _____ (in words) _____

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. Dispatch instructions
- 11. Details of consignee (including port consignee, if any)
- 12. Payment terms
- 13. Paying authority
- 14. Warranty clause.

.....
 Signature, name and address of
 the 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: _____