



**PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY**  
**COLLEGE OF AGRICULTURE, RAJENDRANAGAR, HYDERABAD-500030.**

**TENDER NOTICE**

Tender(s) under two bid system (i) Technical bid (ii) Financial bid are invited by the Associate Dean, College of Agriculture, Rajendranagar, Hyderabad from reputed Manufactures/Dealers in the line for supply and installation of scientific/farm equipment(s) items as below:

Sl.No.	Name of the Equipment/Item	Quantity	EMD in Rs.
1.	Inductively coupled plasma-Optical Emission Spectrophotometer (ICP-OES)	1 No.	2.5% of Quoted Amount

The tender document may be downloaded from the PJTSAU website ([pjtsau.edu.in](http://pjtsau.edu.in)) Bidders are required to submit separate tenders for each equipment in the form of Hard copies. Filled in tender form and technical bid should be enclosed with two demand drafts **(1). For Rs.5,000/- ( Rupees Five Thousand Only) towards application and registration fee( Non- refundable). (2).The EMD (in the shape of Demand Draft) alongwith original tender document may be submitted in the Office of Associate Dean, College of Agriculture, Rajendranagar, Hyderabad, on or 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 "The Associate Dean, College of Agriculture, Rajendranagar, Hyderabad " from any nationalized/commercial bank payable at SBI Rajendranagar, Hyderabad. The name of the equipment should be mentioned on the sealed covers.

Last date and time of submission of tender	Opening of tender with date and time
06.07.2019 & 15:00 hr	10.07.2019 10:00 hr



**PROFESSOR JAYASHANKAR TELANGANA STATE AGRICULTURAL UNIVERSITY**  
**COLLEGE OF AGRICULTURE, RAJENDRANAGAR, HYDERABAD-500030.**

**Phone No.040-24014573: 9989625201**

**E-mail Id: ad\_ca\_rnagar@yahoo.com**

F.No.:

Date:

**SCHEDULE OF TENDER**  
**(ADVERTISED TENDER ENQUIRY)**

The Associate Dean, College of Agriculture, Rajendranagar invites 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 Associate Dean, College of Agriculture, Rajendranagar, Hyderabad whether to purchase the below mentioned equipment or not.

Sl.	Name of Equipment(s)	Qty.
1.	Inductively coupled plasma-Optical Emission Spectrophotometer (ICP-OES)	1 No.

**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 College	College of Agriculture, Rajendranagar, Hyderabad, (PJ TSAU )Telangana
2	Tender form and document	The tender document may be downloaded from the PJ TSAU website (pjtsau.edu.in). Bidders are required to submit separate tenders for each equipment. The original filled in tender forms should be submitted in hard copy in sealed cover.
3	Last Date and Time for submission of Tender	06.07.2019 & 15:00 hr
4	Time and Date of Technical Bid opening of Tender	10.07.2019 10:00hr
5	Place of Submission of Tender Documents	<p><b>Office of the Associate Dean, College of Agriculture, Rajendranagar, Hyderabad.</b></p> <p>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.</p> <p>ii) <b>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.</b></p> <p><b>Must be deposited in the form of crossed Demand Draft/Fixed Deposit</b></p>
6	Earnest Money Deposit (EMD) and Validity	<p><b>receipt/Bank Guarantee in favour of "Associate Dean, College of Agriculture, Rajendranagar, Hyderabad" payable at SBI, Rajendranagar branch.</b></p> <p>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 (<b>proof of registration must be attached thereof without which it will not be considered</b>). In case, if any tenderer fails to deposit the Earnest Money the tender will be rejected straightway.</p>
7	OFFER VALIDITY of rates	The rates quoted should be valid for at least 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 will have to specify in the tender document,

		<p>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. 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&amp;D only in case the bid is for item falling in the restricted list of the Export &amp; 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.</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 or As specified i in the supply order	<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)</p>

12	Terms of Delivery	For Indian manufacturer/suppliers:-FOR Central Instrumentation Cell, College of Agriculture, Rajendranagar, Hyderabad as per list. For Foreign manufacturer/suppliers: - On Free On Board (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: Contact No. _____ Consignee address : The Associate Dean, College of Agriculture, Rajendranagar -500 030 Hyderabad, Telangana State <b>AMC/CMC charges shall not be included for the evaluation of the financial bids.</b> 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% 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 "Associate Dean, College of Agriculture, Rajendranagar, Hyderabad." payable at SBI, Hyderabad.
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 & Telangana state jurisdiction. The Associate Dean, College of Agriculture, Rajendranagar, Hyderabad the sole arbitrator is appointed by the PJTSAU. His/Her 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 <b>TWO BID SYSTEM</b></p> <p><b>ii) Composite bid i.e. rates indicated in the technical bid openly is liable to be rejected.</b></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><b>A. TECHNICAL BID: The FIRST COVER should contain the following:</b></p> <p>i) Tender documents along with annexures/schedules and checklist duly completed, signed and stamped but <b>WITHOUT INDICATING THE RATE QUOTED.</b></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</p>

		<p>Manufacture should be registered with DGS &amp; D only incase the bid is for item falling in the restricted list of the export and 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 suppliers 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.</p> <p><b>B. FINANCIAL BID: The SECOND COVER should contain the following:</b></p> <p>i) Details of rates, taxes, duties, discounts, if any, quoted by the bidder, should be submitted as per Chapter-V.</p> <p>ii) Any documents in support of price bid.</p> <p>iii) For Indian manufacturer rate should be at F.O.R. destination. iv) For foreign supplier rates should be at FOB basis.</p> <p><b>NOTE:</b> Full name and status of the person signing the tender documents must be clearly mentioned in the Tenders.</p> <p><b>Note:</b> 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><b>i) Stage-I: Technical Evaluation</b></p> <p>a) Evaluation of Technical Bids to assess their suitability against the laid down parameters.</p> <p>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.</p> <p>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.</p> <p>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 <b>treated as cancelled.</b></p> <p><b>ii) Stage-II: Financial Evaluation</b></p> <p>a) The price bids of only those firms found meeting the laid down specifications at stage I shall be opened, evaluated and considered further.</p> <p>b) It is in the tenderers interest to include all relevant and detailed technical data as supporting documents along with their bid.</p> <p>c) AMC/CMC charges shall not be included for the evaluation of the financial bids.</p>

22	Mode of Payment	<p><b>A. FOR INDIGENOUS SUPPLIERS:</b> Payment on bill basis after supply, satisfactory installation, commissioning and performance of the equipment at Central Instrumentation Cell, College of Agriculture, Rajendranagar, Hyderabad,</p> <p><b>B. FOR IMPORTS:</b> 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 commission to the Indian Agent. 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.</p>
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/commission 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 PJTSAU.**

**Important Notes:**

1. PJTSAU reserves the right to accept/reject any/all tenders in part/full without assigning any reason thereof.
2. Any Addendum/Corrigendum/date extension in respect of above tender shall be issued on our website [pjtsau.edu.in](http://pjtsau.edu.in) only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website ([pjtsau.edu.net](http://pjtsau.edu.net)) 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. Associate Dean, College of Agriculture, Rajendranagar reserves the right to cancel/reject any or all the tenders without assigning any reason.
3. The tender document may be downloaded from the [pjtsau.edu.in](http://pjtsau.edu.in) Bidders are required to submit the separate tenders for each equipment. The duly filled in tender form along with EMD (in the shape of Demand Draft) alongwith original brochure may be submitted in the Office of Associate Dean, College of Agriculture, Rajendranagar 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 "Associate Dean, College of Agriculture, Rajendranagar" 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 University is exempted from payment of excise duty. Hence, excise duty will not be paid to the firm.

**Sales tax:** The University 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 University. 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 Hyderabad 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, it's 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 Associate Dean, College of Agriculture, Rajendranagar 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**

<b>Sl.</b>	<b>Name of Equipment(s)</b>	<b>Qty.</b>	<b>Specification Details in Chapter - 4</b>	<b>To be supplied at</b>
1.	Inductively coupled plasma- Optical Emission Spectrophotometer (ICP-OES)	1 No.		Central Instrumentation Cell, College of Agriculture, Rajendranagar, Hyderabad-30

- Tick the equipment for which tenderer is bidding and also fill the concerned schedule in chapter IV

**Signature of the tenderer with office seal**

## Chapter-IV

### Schedule: Inductively coupled plasma-Optical Emission Spectrophotometer (ICP-OES)

S.No	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.	Experience: The company should be in the industry for at least the last 5 years				
2.	Authorized dealer's certificate/Manufacturing certificate				
3.	User list: 5 and above				
4.	System: benchtop- compact-able to detect soil, ground water, waste water & plant samples. Major & minor trace elements, organic manures, fertilizers & different food materials.				
	<b>Technical Specifications SPECTROMETER:</b>				
5.	The instrument must be a simultaneous reading ICP-OES using solid-state detector technology.				
6.	The instrument must have an Echelle-based polychromator with a 400mm or higher focal length.				
7.	The resolution of the system must be less than <b>0.006 nm at 200 nm or better</b> . With dispersion 0.083nm at 200 nm or better.				
8.	The detector must have anti-blooming protection on each pixel.				
9.	An optical system purge of 0.7L/min with optional boost purge of 3L/min in the polychromator for determinations made at wavelengths below 189 nm must be standard. Either nitrogen or argon may be used as purge gases and the gas flows must be controlled by the system controller. Gas consumption < 1L/min, adjustable under computer control.				
10.	Gas flow for the polychromator purge must be Mass Flow Controlled.				
11.	The system must include a water chiller and that chiller must not be mounted to the instrument chassis and have the ability to be situated at a distance from the instrument.				
12.	The polychromator must be thermo stated at 35 <sup>0</sup> C.				
13.	The instrument must have vertical plasma and the standard torch must be of a single-piece design. Axial, Radial and Dual view for organic and HF application. Demountable alumina injector tube and quartz outer torch assembly				
14.	Entrance optics should be fully reflective (not refractive) to eliminate chromatic aberration and optimize light transmission. The entire optical system shall be thermostatted and enclosed in a purged gas enclosure .				
15.	Optional semi demountable torches must be available.				
16.	Viewing of the plasma height must be computer				

	controlled.				
17.	The system must have the ability view at least 96% of the total emission spectra between 165 and 840nm or better.				
18.	The instrument must be able to simultaneously perform determinations across the entire spectrum, both UV and visible, in a single measurement on a single detector.				
19.	The instrument must be able to simultaneously determine all desired elements in one analytical reading.				
20.	The system shall accept a dissolved solid amount up to 25%.				
21.	Plasma ignition and regulation should be automatically controlled with software. Suitable to the analyzer-provision of safety interlocking.				
	<b>ICP SYSTEM:</b>				
22.	The instrument must be a bench-top model				
23.	The vertical plasma must be 'dual view' with the option to read axially and radially in a 2-step sequential process or to read axial or radial views alone.				
24.	The instrument must be able to run organic as well as aqueous matrices.				
25.	Cooling water: ICP source requires a coolant water flow of 2 L/min, 20°C±10°C.				
26.	Input power: 190-240 VAC, 50/60 Hz 30 amps, and single phase.				
27.	Thermostatting should be of Computerized dynamic temperature compensation.				
28.	Fume hood exhaust system to be provided				
29.	Plasma ignition and shut down must be computer controlled				
30.	The instrument must monitor gas pressures and flows, water flows, air pressure, exhaust air flow and plasma stability. The system must have interlocks around the plasma compartment door and also the torch loader and the safety interlocks must be continuously monitored and if any interlock is interrupted, the plasma is shutdown automatically.				
31.	Built in Water flow <ul style="list-style-type: none"> <li>➤ Shear gas pressure (for axial and dual view systems only)</li> <li>➤ Argon pressure</li> <li>➤ ICP torch box doors</li> </ul>				
32.	Components like torch, gas flow tubing spray chambers, nebulizers should be compatible.				
	<b>SYSTEM DETECTOR:</b>				
33.	The instrument must utilize a single focal plane with one solid-state detector that is optimized for performance across the entire emission spectrum possible on the spectrometer. Only industry standard <b>CCD/ SCD,CID</b> detectors be quoted				
34.	All emission wavelengths (>10,000) need to be read simultaneously. No segmented reading is accepted.				
35.	Each detector pixel must have anti-blooming protection to enable the simultaneous measurement of trace level analytes in the presence of major				

	matrix constituents.				
36.	The detector must be cooled by a Peltier device to a temperature of at least -40°C to minimize detector dark current thereby enhancing instrument performance and detection limits.				
37.	The detector must have Adaptive Integration technology that allows intense and trace signals to be measured simultaneously and at the optimum Signal to Background Ratio (SBR).				
38.	The detector must be hermetically sealed, and require no gas consumption for detector purging.				
	<b>RF GENERATOR:</b>				
39.	The RF generator 27 MHz / 40 MHz complying with FCC or CE standards, Solid State, maintenance free, water cooled and shall have an optimal power output range of 700 - 2000 watts and be computer controllable in 10-watt increments.				
40.	The RF generator must be of free running design and have power transfer efficiency into the plasma of at least 75% to eliminate the need of an inefficient secondary matching networks. The power output stability must be better than 0.1%.				
41.	The power output stability must be better than 0.1%.				
	<b>FLOW CONTROLS:</b>				
42.	All gas flows to control the plasma should have Mass Flow PCcontrolled Controllers on them. This includes the plasma gas (coolant), auxiliary gas, nebulizer gas and make up gas				
43.	Plasma argon gas (coolant) flow must be controlled at flows ranging from 8.0-20.0 L/min at 0.1L/min increments.				
44.	Auxiliary gas flow must be controlled at flows ranging from 0-2.0L/min at increments of 0.01L/min				
45.	The nebulizer argon flow must be controlled from 0 – 1.5 L/min in 0.01 L/min increments. 5-60 psi in 1.0 psi increments or may be shut down by turning off the nebulizer in the software.				
46.	The makeup gas should have flow from 0-2L/min in 0.01L/min increments.				
47.	The system should have the least warm up time.				
48.	The addition of oxygen for organics analysis must use an integrated gas control system and be computer controlled.				
49.	Provision of automatic cooling of the system				
50.	Two numbers of organ cylinders standard make with 2-stage regulators with necessary certificates for their quality & fitness from authorized departments with purification panel.				
	<b>SAMPLE INTRODUCTION SYSTEM:</b>				
51.	The torch must be mounted vertically to facilitate HF and High dissolved solid uptake >20%.				
52.	The instrument must include a double pass glass cyclonic/Scott spray chamber and a glass concentric/Hildebrand nebulizer.				
53.	The system must include a three channel, variable speed, computer controlled 4 channel peristaltic pump which allows for on-line addition of internal				

	standards.				
54.	The system must include the option of a 5-channel pump and switching valve system as a future upgrade for improving sample introduction and washout efficiency.				
55.	Fully programmable X-Y type autosampler with 120 , 88 or 50 position sample racks and interface to profile / software to be provided. Autosampler should have position for 15 & 50 ml vials for blank, standards & samples respectively.				
56.	Hydride generator to be provided.				
	<b>SOFTWARE:</b>				
57.	The instrument controlling software must be 64-bit running under with latest Microsoft Windows environment operating system with full on-screen help.				
58.	The software must be able to display calibration curves for all of the elements analyzed simultaneously.				
59.	The software must be able to display all of the peaks from an analysis simultaneously.				
60.	The software must provide automated background correction with capability to analyse 22 elements / 2min.				
61.	The software must have the ability to do spectral interference correction.				
62.	The system must be able to apply spectral interference correction in addition to background correction post sample analysis, eliminating the need to reanalyze the sample.				
63.	Calibration curves must be stored and be able to be recalled for later use.				
64.	The software must have a library of analytical wavelengths containing at least 40,000 lines whose relative intensities are determined on the instrument optical system should have an option to add additional wavelengths for detection.				
65.	Diagnostics must be built into the ICP software				
66.	Calibration equations must include linear, quadratic and rational and include functions of weighted fit and force through blank options.				
67.	The software must allow for at least 50 calibration standards and blanks.				
	<b>PERFORMANCE:</b>				
68.	The instrument must meet all EPA contract lab required detection limits, for methods based on ICP-OES.				
69.	The instrument must be able to meet all EPA CRDL's (3 $\Sigma$ ) for methods based on ICP-OES, using a suitable nebulizer with a spray chamber.				
70.	<b>The instrument must have the following typical resolution and the performance specification shall be demonstrated on our request for the below items.</b>				
71.	As 188.979 nm < 0.007 nm				
72.	Mo 202.030nm <0.007 nm				
73.	Zn 213.856 nm < 0.0075 nm				
74.	Pb 220.353 nm <0.008 nm				
75.	Cr 267.716 nm < 0.0095 nm				

76.	Cu 327.396 nm <0.013 nm				
77.	Ba 614.171 nm <0.035 nm				
78.	Stray light must be less than 2.0 ppm effect on the As signal at 188.980 nm from 10,000 ppm Ca.				
79.	The instrument must have analytical linearity in excess of 5-6 orders of magnitude with the ability to use alternate wavelengths that are measured simultaneously.				
80.	Work Station of reputed brand with latest configuration, along with LAN, USB, RS 232 Communication Port.				
81.	Licensed Operating System with Windows XP or Suitable to system.				
82.	Application software -- Latest version				
83.	All necessary Accessories to be supplied to run the equipment software Monitor 22" LED (ALL IN ONE PC), 16 GB RAM, 2 TB ROM, i7 Processor, DVD Writer & 2GB Graphics of reputed brand.				
84.	Laser Printer: Latest reputed brand with both side automatic printing facility with capacity of 15 PPM.				
85.	<b>All spares for smooth running of equipment for 2 years shall be offered.</b>				
86.	All local supplies including filled gas cylinders with regulators (47 L capacity)/chillers /compressors, gas purification units and data acquisition system with latest configuration and printer shall be part of Fume hood with Exhaust system with ducting. Suitable online UPS. The system shall have the following features and shall be supported with documentary proof for evaluation criteria.				
87.	The instrument shall be designed and manufactured under a quality system registered to ISO 9001, Declaration of conformity shall be submitted.				
88.	System should meet US FDA 21 CFR regulatory part 11 with user privileges, Audit trails with complete Data integrity with RAW data access.				
89.	The instrument shall be performed on site with IQ/OP/PQ validation protocols in compliance to FDA/ NABL norms and the product must be GLP compliant.				
90.	The system should have been supplied to a minimum of 3 reputed labs in the last 3 years, preceding to the tender date.				
91.	A satisfactory performance certificate from minimum 2 users of the above must be submitted for performance evaluation.				
	<b>Additional items</b>				
88.	Bidders should quote a startup package for 300 samples including NIST traceable standards. In addition, the bidders should give a list of recommended consumables along with their source and budgetary prices.				
89.	Operation kit comprising all required items for startup/regular operation of instrument				
90.	Quote shall include essential pre-installation requirements and utility requirement for ICP-OES.				
91.	Operation and maintenance manual for each unit in both hard copy and soft copy.				
92.	Service manual with set of required tools for each system/unit.				

93.	The system should have Server connectivity and should be capable of 21 CFR Part 11 and food safety compliance. The necessary validations will have to be carried out by the equipment suppliers.				
94.	Complete methods library with NIST traceable standards for multi elements not less than 24 elements shall be supplied along with the instrument method details and SOPs, related software's and user manuals to be provided.				
95.	PLEASE PROVIDE MAINTENANCE CHART FOR ALL OF THE COMPONENTS IN ICP-OES SYSTEM.				
96.	<b>Operation and maintenance &amp; Training Component</b> The supplier will have to carry out successful installation at our laboratory premises (where ever the system has to be installed) and provide on – site comprehensive training for scientific personnel operating the system and support services till customer satisfaction with the system and a training at the suppliers lab premises is also required.				
	<b>Warranty</b>				
97.	Standard Warranty of 24 months starting from date of satisfactory and faultless functioning of the equipment for 60 days at the laboratory premises				
98.	Comprehensive Maintenance Contract Service for 36 months after expiry of standard Guarantee/Warranty should be quoted separately.				
99.	Annual calibration of the equipment shall be a part of the CMC. It shall also be mandatory to perform calibration after every major repair/breakdown.				
100.	The vendor should be available for ten years guaranteed parts and CMC service.				
101.	Current user's / performance list with contact details (Customer name, phone email id etc) and date of installation to be provided (Minimum 5 installations of the model quoted).				
102.	Number and details of the service engineers has to be provided.				

**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.	<b>Equipment:</b>				
2.	Cost of equipment				
3.	Cost of accessories				
4.	<b>Ex-factory price (2+3)</b>				
5.	Packaging and handling charges				
6.	<b>FOB price (4+5)</b>				
7.	Freight charges				
8.	Agency commission, if any				
9.	<b>Total (6+7+8)</b>				
10.	GST/Taxes				
11.	Other charges, if any				
12.	<b>Grand Total (9+10+11)</b>				
13.	<b>Total in figures</b>				

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% 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: \_\_\_\_\_