

Total No. of pages in tender document: 26 (Twenty six)pages

TENDER FORM



**Acharya N.G.Ranga Agricultural University
REGIONAL AGRICULTURAL RESEARCH STATION
TIRUPATI- 517502, CHITTOOR DT.**



**ACHARYA N.G.RANGA AGRICULTURAL UNIVERSITY
REGIONAL AGRICULTURAL RESEARCH STATION, TIRUPATI**

E-PROCUREMENT NOTICE

Tender Notice No.2710/Accts.IV/2017

Date:02.01.2019

E- Procurement tenders are invited from the manufacturers or their authorized dealers or reputed firms for Supply of “**Soil Microbiology Equipments to the Dept. of Soil Science, Regional Agricultural Research, Tirupati**”.

Details are as follows:-

1)	Tender document online opening date	07.01.2019 11.00 AM
2)	Tender document online closing date	21.01.2019 04:00 PM
3)	Bid- Submission Online closing date	22.01.2019 04:00 PM
4)	Submission of all the uploaded documents (Hard Copies) at the Regional Agricultural Research Station, Tirupati	23.01.2019 01:00 PM
5)	Bid online opening date at the Regional Agricultural Research Station, Tirupati	23.01.2019 03:00 PM

- Bidders shall have GST Registration (for details log on to www.apts.gov.in)
- For details visit www.apecurement.gov.in

For any clarification, please contact:

CONTACT: 0877-2248739

Sd/-P.Rajasekhar
Associate Director of Research
Regional Agricultural Research Station
TIRUPATI

GENERAL TERMS AND CONDITIONS

1. Tenders will be accepted through on-line up to **22.01.2019 until 4 PM** by the Associate Director of Research, Regional Agricultural Research Station, Tirupati for the supply of **Soil Microbiology Equipments to the Dept. of Soil Science, Regional Agricultural Research, Tirupati in Annexure-I.**
2. All the interested bidders have to mandatorily log on to e-procurement web site through Secure mode only and submit their bids using digital certificates (signing certificate – single key pair) obtained from Andhra Pradesh Technology Services Ltd. [APTS – Sub CA] in-compliance to Chapter III of IT Act 2000. The details and procedure for obtaining digital certificates is given at <https://tenders.approcurement.gov.in>.
3. The tenders are invited for the supply of **Soil Microbiology Equipments to the Dept. of Soil Science, Regional Agricultural Research, Tirupati** as per the specifications enclosed in **Annexure-I.**

ELIGIBILITY TO PARTICIPATE IN TENDERS

1. Manufacturers or their authorized Dealers or reputed firms are eligible to quote in this Tender. Authorized Dealers should attach Letter of Authority from the Principal manufacturer to quote in this Tender.
2. The Dealers/Makers should be registered firms and should have authorization certificate from principals in case representation of the international firm.
3. The Tendered shall supply good quality items as per Standards.
4. The Associate Director of Research, Regional Agricultural Research Station, Tirupati reserves the right to reject the tender of blacklisted companies and those of companies whose past performance with the Regional Agricultural Research Station, Tirupati was unsatisfactory due to delayed / erratic supplies, frequent product failures etc.,

SUBMISSION OF THE ON-LINE TENDER FORMS

1. Tenders have to be submitted in two parts in ONLINE in the prescribed proforma i.e., Technical Bid (Part-I) and Financial Bid (Part-II).
2. Financial Bids of those Tenderers who qualify in Technical Bid will only be considered for finalization of the tender.
3. The Tenderer may please note that all the columns in the Technical Bid are to be filled in meticulously with precision, with documentary evidence wherever necessary.
4. All the required documents / enclosures / literature / technical catalogs etc., have to be uploaded & attached along with Technical Bid (Part-I of the Tender) only. Technical catalogues for quoted item is essential. Tenders submitted without technical literature of the item will be summarily rejected. Eligibility for Financial Bid (Part-II of the Tender) will depend on the outcome of documents uploaded / electronically attached to Technical Bid.

THE SCHEDULES FOR OPENING OF TENDERS THROUGH ONLINE ARE:

23.01.2019 at 03:00 PM	Opening of Technical Bids i.e. Part-I
	Financial bid shall be opened after finalization of technical bid

1. The dates scheduled for RECEIPT and OPENING of tenders are fixed and will not be changed under any circumstances. However, the Associate Director of Research, Regional Agricultural Research Station, Tirupati reserves the right of postponement of the date of opening of Tenders or date of opening of financial bids in the event of any unforeseen reasons.
2. If for any unforeseen reasons, the last date for submission of tenders and opening of Tenders happens to be a holiday, the notified dates automatically get postponed to next working day.
3. The Associate Director of Research, Regional Agricultural Research Station, Tirupati is “Not Responsible” for non-receipt of tenders or late uploading of tenders on online for any reason, whatsoever.
4. Failure to fill and sign the declaration and check slip shall make tender invalid.

DOCUMENTS TO BE ELECTRONICALLY ATTACHED:

1. All the documents are arranged in the serial order, (*Serial Numbers and Page Numbers should be indicated on the right side top of the corner*) then uploaded to the eProcurement web site i.e., <https://tenders.apeprocurement.gov.in>.

Sl.No	Code No.	Name of the Document
1.	E-I	Declaration Form (Annexure-II)
2.	E- II	Manufacturing License / Authorization letter from the Manufacturing firm
3.	E- III	Earnest Money Deposit
4.	E- IV	VAT/Sales Tax/GST Clearance Certificate or payment particulars for preceding two years along with supporting Documents. (2016-17 & 2017-18)
5.	E- V	Annual Turnover Assessment order for the preceding two years (2016-17 & 2017-18) certified by Commercial Tax Officer / Chartered Account
6.	E- VI	Copies of balance Sheet, Profit and loss Account for last two years i.e. (2016-17 & 2017-18) duly certified by the Auditor
7.	E – VII	Copy of GST Registration Certificate
8.	E-VIII	Users list for the item/ equipment during past 4 years
9.	E- IX	BIS / ISO/ CE issued by the Competent Authority
10.	E-X	APSSIDC/NSIDC/MSME Certificate, if applicable
11.	E- XI	Government Ownership Certificate, If applicable
12.	E- XII	List of service centers with contact details for each of the equipment

2. The Tenderers are requested to submit the following for verification on or before **23.01.2019 until 1 PM physically or by post**. The Associate Director of Research, Regional Agricultural Research Station, Tirupati is not responsible for any postal delay.
 - a) Check slip of all the documents uploaded
 - b) Copies of all the documents, which were uploaded

Note: This is only for cross verification of the uploaded documents. Any required document failed to upload, the bid shall become invalid, even though documents are produced physically.

3. All the enclosed documents shall be in English or Hindi or Telugu, *If Any Document is Produced in any Language Other than English or Hindi or Telugu, True Translation copies of Such documents in English Shall be enclosed duly attested by a Gazetted Officer.* Failure to submit English translation of such documents shall make tender invalid. All Originals are to be presented at the time of scrutiny for verification.

TRANSACTION FEE

All the participating bidders shall pay a transaction fee (non-refundable) to M/s APTS, Hyderabad and through on line. (0.03% of estimate contract value + GST as applicable). It is mandatory for all the participant bidders from 1st January 2006 to pay a Non-refundable Transaction fee electronically to the M.D., A.P.T.S, Hyderabad by the service provider through "Payment Gateway Service on e-Procurement platform".

EARNEST MONEY DEPOSIT (EMD)

1. Earnest Money Deposit as indicated below in the form of crossed demand draft / pay order drawn on any scheduled bank in favor of The Associate Director of Research, RARS, Tirupati and this E.M.D. The E.M.D. of unsuccessful tenderers will be returned after signing the agreement with the successful tenderers.

Particulars of EMDs :2% of the Bid value.

2. All the bidders shall invariably upload the scanned copies of DD/pay order towards EMD along with the bid, in e-procurement platform and this will be the primary requirement to consider the bid responsive.
3. The DD/pay order should be deposited to this office while producing hard copies for verification.
4. Cheques, Cash deposits, Term Deposits or Fixed Deposits will not be accepted towards Earnest Money Deposit.
5. However the exemption of Earnest Money Deposit will be given to Small Scale Industrial Units, Registered with the Government of Andhra Pradesh and the National Small Scale Industries Development Corporation, New Delhi or the firms with specific exemption orders issued by competent authority of Government of Andhra Pradesh or Government of India. The order should be uploaded in the e-procurement platform in place of DD in case of any such claim.
6. The items permitted by S.S.I. Registration Authority will only be considered for manufacturing aspect only. **IF ANY FIRM QUOTES ITEMS OTHER THAN THOSE COVERED UNDER S.S.I. REGISTRATION, E.M.D. SHALL ACCOMPANY THE TENDER.** Failure to enclose E.M.D. shall make such of those items not covered under S.S.I. Certificate invalid for consideration.

7. Earnest Money Deposit of other tenders deposited with this office during any period of time shall not be considered for this tender.

SECURITY DEPOSIT

1. The successful Tenders(s) shall within 7 days, after the Associate Director of Research, Regional Agricultural Research Station, Tirupati written notice of acceptance of the Tender has been posted to him or them, deposit with the Associate Director of Research, Regional Agricultural Research Station, Tirupati a sum of rupees@ 2% of the cost of items inclusive of all taxes (or the authority may fix the amount according to the value of the tender) as a security for the fulfillment of the contract. Performance bond guarantee can also be considered, as security deposit in addition to the EMD. The Earnest Money Deposit/Security Deposit shall carry no interest. *The Security Deposit to be deposited will be in addition to the Earnest Money deposit.*
2. The Associate Director of Research, Regional Agricultural Research Station, Tirupati reserves the right to forfeit and confiscate Earnest Money Deposit, if the successful Tenderer(s) fail to pay the Security Deposit which is required under the Terms and conditions of this Tender.

FORFEITURE / REFUND OF THE EARNEST MONEY DEPOSIT / SECURITY DEPOSIT

1. In case the selected Tender(s) does not supply the stores at the quoted rates within the period of contract and commits any breach of any one or more of these terms and conditions, the Earnest Money deposited by Tenderer(s) will be forfeited by The Associate Director of Research, Regional Agricultural Research Station, Tirupati.
2. Earnest Money of the unsuccessful Tenderer(s) shall be refunded signing the agreement with the successful tenderers by the ANGRAU, Guntur. No interest is payable by The Associate Director of Research, Regional Agricultural Research Station, Tirupati on such deposits.
3. The Earnest Money and Security money deposited by successful Tenderer(s) shall be retained by The Associate Director of Research, Regional Agricultural Research Station, Tirupati till three months after the expiry of the contract period, i.e., 12 months from the date of acceptance of the tender or the date on which the supply which may arise in consequence of repeat orders placed during the 12 months for which the rates quoted are to remain valid.
4. On due performance and satisfactory completion of the order in all respects during the contract period, the Earnest Money Deposit and the security deposit will be refunded to the Contractor(s) without any interest within a period of 3 months with effect from the date of receipt of a request to this effect from the supplier(s).

VAT/SALES TAX/GST CLEARANCE CERTIFICATE

Attested Photo Copy of GST / VAT / Sales Tax Clearance Certificate and Sales Tax Payment particulars obtained from the competent sales tax authority of the area concerned for the years (2016-17 & 2017-18) shall be attached. Certificates older than that shall not be considered. Those not liable for GST/VAT/Sales Tax payment under relevant rules should produce a certificate to that effect from the competent authority.

MANUFACTURING LICENSE:

1. Attested Photocopy of the Latest Manufacturing License, which is in vogue shall be enclosed. If the firm has applied for renewal of license, necessary authenticated proof from the concerned Licensing Authority shall be furnished. Licenses issued for test and Analysis will not be considered. The product/item quoted by the tenderer shall be underlined with "Red Ink". The License number and date should also be underlined with 'Red Ink'. The abstract of the product quoted should be enclosed. The Manufacturing License should clearly indicate a minimum of two years of manufacturing and marketing experience. Items without the proof of two years of Manufacturing and Market experience will summarily be rejected.
2. The tenders received without proper license, authenticated list of item covered by license and authorization letters from actual / original manufacturers are liable for rejection without any further notice.
3. Tenderers should enclose documents to show that manufacturing Unit has been recognized with the ISO Certificate etc.
4. Tenderers should enclose documentary evidence of having manufactured and marketed the product for two years.

BIS/ISO/CE etc CERTIFICATES (whichever is applicable):

1. Tenderer should produce BIS / ISO/ CE etc. certificate (wherever applicable) issued by the concerned Licensing Authority.
2. Tenderers should enclose BIS / ISO Certificate for products wherever applicable.
3. The certificates whichever is applicable and claimed should be furnished with supportive documents.

TERMS AND CONDITIONS FOR COMMERCIAL AGREEMENT:

1. The details of the required items are shown in e-procurement Web Application. Rates should not vary with the quantum of orders or destination.
2. The rates quoted shall be in Indian Rupees only and must be expressed both in figures and words as well. The rate of each category of item should be quoted. The rates quoted should be inclusive of all the applicable taxes and "FOR destination" (destinations for the items are mentioned in Annexure-I). However, the applicable taxes and packaging costs if any etc. should be clearly indicated in the price bid.
3. Tenderers who are supplying the items offered in this tender to other states shall enclose the copies of latest invoices to support of their claim that the rates quoted to ANGRAU are comparable.
4. No Insurance charges will be paid by the Department / Indenter.
5. The rates quoted by the tenderer shall not exceed the controlled rates, if the Government controlled rates are in force on the date of submission of tenders. In the absence of controlled prices, the tenderer shall quote reasonable price applicable to bulk purchases.
6. All rates quoted by the bidder should be valid for a period of One year from the date of acceptance of the lowest Bid.
7. The rates offered in the tender shall not exceed the M.R.P. as well as the lowest price at which the firm sells the product of identical description to any other department or organization or person anywhere in the State / neighboring states of A.P. If such incidences

of quoting higher rates to this RARS, Station come to the notice at any time, during the course of Rate Contract for the rest of the Rate Contract period, the Associate Director of Research, Regional Agricultural Research, Station, Tirupati reserves the right to initiate an appropriate disciplinary action against such firms including black listing them.

8. IF ARTIFICIALLY LOW RATES ARE QUOTED, the ASSOCIATE DIRECTOR OF RESEARCH, REGIONAL AGRICULTURAL RESEARCH STATION, TIRUPATI RESERVES THE RIGHT TO CROSS-VERIFY THEM AND IGNORE THEM FROM CONSIDERATION IN ORDER TO PREVENT UNETHICAL TRADE PRACTICES.
9. Ordinarily, the tendered items will be selected based on the lowest rates quoted by the firms in the Financial Bids. However, the tender committee reserves the right to select the product even with higher rates depending upon the reported performance / market reputation / efficacy of the item basing on the user reports / feedback given by the end users, ignoring the lowest rates.
10. If tenderer quotes the rates at his will, overlooking the conditions in the previous paragraphs, the tender is liable for cancellation even after approval of tender and firms will face suitable legal action for such action at any time during the Rate Contract period.
11. Rates quoted should be marked clearly with main price and taken separately. Total price after taking all the actuals will be taken as financial quote for comparison.
12. No representation towards upward revision of rates once accepted will be considered. DSIR and other certificates for custom exemption will be provided by RARS, Tirupati.
13. The rate quoted and accepted will be binding on the tenderer for the stipulated period and on no account will any increase in the price be entertained till the completion of tender period.
14. No tenderer shall be allowed at any time on any ground what so ever to claim revisions of or modifications in the rates quoted by him. Clerical error, typographical etc., committed by the Tenderers in the tender forms shall not be considered after opening of the tenders. Conditions such as "SUBJECT TO AVAILABILITY" "SUPPLIES WILL BE MADE AS AND WHEN SUPPLIES ARE RECEIVE" etc., will not be considered under any circumstances and the tenders of those who have given such conditions shall be treated incomplete and for that reason shall be summarily rejected.
15. No company / Firm which has been blacklisted either by the Regional Agricultural Research Station, Tirupati, A.P or ANGRAU or by any State Government or Central Government / Organizations shall participate in the Tender during the period of Blacklisting. If any such firm participates and came to know at a later stage, and if any firm is Black listed at a later date either by the Government of Andhra Pradesh or any other State / Central Government will not only be debarred / Black listed permanently and their security deposit /EMD whichever is available with the Department will be forfeited and any business / transactions will be stopped with their firms forthwith.
16. The indented stocks shall be delivered at respective institutes or research stations as indicated in Annexure-I at the cost of the supplier.
17. The rates should be quoted separately for each item.

AGREEMENT

1. Every successful tenderer on intimation by this office shall execute an agreement on Rs.100-00 (Rupees One Hundred only) non-judicial stamp paper in the prescribed form, which will be supplied along with the list of item tentatively approved. Agreement should be typed only on one side of stamp paper with due attestation on each page.
2. In the event of failure to execute agreement in proper form along with the Security deposit by successful tenderer within (10) days, the EMD of such tenderer will be forfeited and such defaulters will forego the right to participate for future tenders for a minimum period of (3) year.

DEMONSTRATION OF THE ITEMS:

1. The Tenderer may have to arrange for demonstration of the functioning of the items as per specifications with the Associate Director of Research, Regional Agricultural Research Station, Tirupati, in case of necessity.
2. If the item is declared to be not of standard quality or not meeting the specified requirements, it will deem to be rejected. If any item supplied by the tenderer is used after supply and is subsequently found to be not as per specifications, unsound, inferior in quality or description or are otherwise faulty or unfit for use, then the cost of such item will be recovered from the tenderer, if the payment had already been made, in addition to penalty. *The approved firms shall Re-Supply the item.*

OTHER CONTRACTUAL OBLIGATIONS

1. The contract shall not be capable of being varied except by written consent by both the Associate Director of Research (purchaser) and the supplier shall not in the absence of the specific written acceptance be bound by any provisions of the supplier's quotations, offers etc., which purport to impose conditions at variance with this contract.
2. The supplier shall not sublet or delegate this contract or part thereof without the written consent of the Associate Director of Research, Regional Agricultural Research Station, Tirupati. Such consent shall not however be withheld unreasonably. But the Tenderer(s) may without the consent of The Associate Director of Research, Regional Agricultural Research Station, Tirupati purchase material as he/they does not normally manufacture.
3. The supplier shall keep confidential all matters concerning this contract and comply with all reasonable security requirements. All drawing, blocks, specifications, manuscripts, samples etc., supplied by the Associate Director of Research, Regional Agricultural Research Station, Tirupati and all copies thereof shall be returned to the Associate Director of Research when their use is terminated. In no event the supplier(s) shall permit publicity concerning this contract without the prior consent of the Associate Director of Research, Regional Agricultural Research Station.
4. Any undertaking or commitment given by or made by any Officer or the Associate Director of Research verbally or in writing does not have any validity unless it is signed again by the authority competent who concluded an agreement earlier.

INSPECTION AND PACKING

1. At all reasonable time during production and prior to dispatch of material the supplier(s) shall afford and secure for the representative of the Associate Director of Research, Regional Agricultural Research Station, Tirupati every reasonable access and facility at his plant or premises for its inspection and making of usual tests on behalf of the institute. The supplier(s) shall advise the scheme at least 7 days prior to the time when any material is

ready for final inspection. The Associate Director of Research, Regional Agricultural Research Station, Tirupati will then make the inspection and subject to the material being in all respects as specified and being of sound quality and workmanship the representative of the Associate Director of Research, Regional Agricultural Research Station shall sign or countersign a certificate of inspection.

2. a) The supplier(s) shall supply to the Associate Director of Research, Regional Agricultural Research Station, Tirupati on request a report from time to time as to the progress of supplies. Any delay or anticipated delay will be reported at once together with the full reasons there for.
b) The responsibility of procurement of transport facilities and dispatch of the stocks in good condition and as per specifications and in time/door delivery lies with the supplier(s) and they must keep up the delivery schedule at any rate.
c) The insurance should be done at the cost of supplier(s) as the rate quoted is all inclusive for door delivery at respective institutes or research stations as indicated in Annexure-I.
3. Should the progress in supplies be delayed due to any cause beyond the reasonable control of the supplier(s) and whether such delay or impediment occurs before or after the time for dispatch, reasonable extension of time might be granted by agreement between the parties.
4. The supplier(s) shall insert in each case 3 copies of packing list, fully item wised to show case number, contents and full description of the contents. The concerned in-charge of the stores of the respective institutes or research stations as indicated in Annexure-I at the receiving point will retain one copy with him and return the other two copies, duly signed to the supplier(s) who will append one copy of this packing list with invoices when sent to the concerned for payment.

SUPPLIES AS PER SPECIFICATIONS

1. All supplies shall be to the description and to the specifications laid down and in strict accordance with the approved samples. Deviations, if any should be clearly brought out failing which it will be normally construed that the materials offered are not to our requirements. Any special features may also be clearly brought out.
2. The decision of The Associate Director of Research, Regional Agricultural Research Station, Tirupati however shall be final as to the quality of supplies received and binding upon the supplier(s) in case, the supplier(s) supplies any other article than what is ordered such article supplied, not being approved, shall be liable to be rejected.
3. If the Associate Director of Research, Regional Agricultural Research Station, Tirupati requires any changes in specifications the supplier(s) shall use his best endeavor to comply with The Associate Director of Research, Regional Agricultural Research Station, Tirupati's wishes subject to fair fixation of prices and delivery schedule where appropriate.
4. If at any time during the term of this contract, the plans of The Associate Director of Research, Regional Agricultural Research Station changes for any reasons The Associate Director of Research, Regional Agricultural Research Station shall have the right to terminate or alter this contract by sending fifteen days notice to the supplier(s) by Registered letter. In respect of such of the material as it complete and ready for dispatch within thirty days of such notice, The Associate Director of Research, Regional Agricultural Research Station, Tirupati agrees to accept delivery thereof at the contract price and terms.

CONSEQUENCE OF NON-SUPPLY AND DAMAGES

1. All risks of loss, damage or depreciation to goods shall be upon the supplier(s) until the material is delivered at the addresses specified and in accordance with the provisions of the contract. Till the material received at the respective destination indicated by The Associate Director of Research, Regional Agricultural Research Station, Tirupati the property continues to be at the risk of the supplier(s). The mere fact that the material is delivered to transporter is no defense to the supplier(s) and the supplier(s) will be squarely held responsible for any delayed receipt of the material by the respective research stations or institutes as indicated in the Annexure-I or for loss of damage of any kind to the material in transit.
2. Assuming that the supplier(s) fails to deliver any or all the materials covered by the contract, The Associate Director of Research, Regional Agricultural Research Station, Tirupati reserves the right in addition to other legal remedies, to cancel the contract or any portion thereof and hold the supplier(s) liable for all damages sustained by virtue of the supplier(s) failing to perform the contract and consequent cancellation of the contract.
3. In the event of the supplier(s) failing to complete the supplies in time or according to the approved specifications, The Associate Director of Research, Regional Agricultural Research Station, Tirupati reserves the right to make such arrangements as it may think fit for the completion of the supplies on account of and the sole risk of the supplier(s).
4. In case the goods are not supplied according to specifications, they will be summarily rejected.
5. The time allowed for delivery of goods shall be deemed to be the essence of contract. In case the goods are not delivered to the respective addresses as indicated in the Annexure-I within the stipulated period, the Associate Director of Research, Regional Agricultural Research Station, Tirupati reserves the right to recover the liquidated damages a sum equal to 2% of the contract price of the undelivered material per week subject to a maximum of 5% of the value of undelivered material. The Associate Director of Research, Regional Agricultural Research Station, Tirupati also reserves the right to cancel the purchase order in case supplies are delayed beyond the scheduled date of delivery and to make such arrangements as he may think fit for the completion of supplies on account and at the risk of the supplier(s). The additional expenses thus incurred together with the consequential losses and also the liquidated damages shall be recovered from the supplier(s) out of his/their security deposit/Earnest Money deposit and any other amount due to him/them. The balance still if any payable by the supplier(s) shall be paid by him/them within 7 days of notice by The Associate Director of Research, Regional Agricultural Research Station, Tirupati.
6. All invoices shall be prepared in four copies and shall be signed by the supplier(s) or his/their authorized agent(s). Every invoice shall bear a certificate to the effect that the material covered by the invoice(s) has been inspected by the supplier(s) before delivery and confirm in every way to the contract specifications and is packed in accordance with the contract requirements and further that the invoice is correct in every particular and no other invoice has been rendered previously in respect of the articles charged in the particular invoice. The invoice in triplicate along with advance stamped receipt shall be raised in the name of heads of the respective research stations or institutes as indicated in Annexure-I.
7. The payment of the bills shall be made by the heads of the respective research stations or institutes as indicated in Annexure-I duly deducting the statutory deductions, if any.

PENALITIES

1. If the successful tenderer fails to execute the agreement and / or deposit the required security deposit within the time specified or withdraws his tender after the intimation of the acceptance of his tender has been sent to him or owing to any other reasons, he is unable to undertake the contract, his contract will be cancelled and the Earnest Money Deposit deposited by him along with his tender shall stand forfeited to the heads of the respective research stations or institutes as indicated in Annexure-I and he will also be liable for all damages sustained by the heads of the respective research stations or institutes as indicated in Annexure-I by reasons of breach, such as failure to supply, including the liability to pay any difference between the prices accepted by him and those ultimately paid for the procurement of the articles concerned. Such damages shall be assessed by the heads of the respective research stations or institutes as indicated in Annexure-I, whose decision is final in the matter.
2. Non-performance of contract provisions will disqualify a firm to participate in the tender for the next three years.
3. In the event of tendered supplies failing quality test, contract with the tenderer will be suspended and purchases made from alternative suppliers. *Such firms may be black listed for three years* beginning from the year following the one in which defective supplies were detected. The tenderer shall also be liable for action under criminal law and the matter shall be notified to the concerned Licensing Authority.
4. In all the above conditions, the decision of the ASSOCIATE DIRECTOR OF RESEARCH, REGIONAL AGRICULTURAL RESEARCH STATION, TIRUPATI shall be final and binding.
5. In the event of any dispute arising out of the tender such dispute would be subject to the Jurisdiction of the Civil courts within the city of Tirupati.

SETTLEMENT OF DISPUTES

1. Any difference or dispute arising out of or in connection with this tender or acceptance thereof or the contract that may be entered in consequence thereof, shall be decided by arbitration. The Associate Director of Research, Regional Agricultural Research Station, Tirupati or his nominee shall be the sole arbitrator and the arbitrator's decision shall be final and binding on the parties. The Tenderer(s) will have no objection to such appointment on any ground whatsoever including that such nominee, in his official capacity dealt with this matter at any stage.
2. The parties hereby agree that in the event of any dispute no cause of action shall arise in their favour to approach any court unless they have resorted to and exhausted the remedy of arbitration as envisaged above.
3. The parties also do hereby agree that the contract envisaged by these terms and conditions shall be deemed to have been entered into at Tirupati alone will have jurisdiction to try and legal proceedings which may arise out of this contract. Neither party shall file any proceedings in any other court.

Sd/-P.Rajasekhar
Associate Director of Research
Regional Agricultural Research Station
Tirupati

ANNEXURE-I
(Technical Specifications)

For Dept. of Soil Science, Regional Agricultural Research Station, Tirupati.

Item Code	Name of the item	Specifications and parameters	Quantity (No.)
SOIL SCI 001	LAB Refrigerators	<p>Compact cabinet, upright, Right hand hinged reversible door with lock, 6 grey shelves. Temperature range : +2 to +12°C Volume, gross : 300 – 400L Refrigerant / GWP : R 600 a (isobutane)/3 Ref.capacity at -10° : 207 Watt Connection : 230 V, 50 Hz Connection load : 103 Watt Energy consumption w/door closed : 0.6 kWh/24h Energy consumption / year (AEC) : 449 kWh Suitable voltage stabilizer should be supplied along with the instrument</p>	Two Nos.
SOIL SCI 002	-20 Deg Deep Freezer	<p>Features: Unique air distribution system. Thanks to the unique air distribution system, the COMPACT cabinets maintain a correct and uniform temperature throughout. The cold air is directed down behind the air distribution plate positioned at the back of the cabinet. From there, it circulates around the cabinet and back to the evaporator fan in the top of the cabinet. -Right hand hinged reversible door with lock -6 white shelves -Exterior: white -Interior: ABS lining in white -Easy cleaning: durable one piece moulded ABS inner lining with rounded corners. The door gasket is easily removed for cleaning -Control system has built-in alarms and emergency programs that help to maintain temperature until a fault is rectified -Functional design with full -height integrated door handle -Ultra-low energy consumption -Ventilated air distribution system -Automatic defrost with re-evaporation of defrost water -Digital temperature display</p> <p>Specifications: Compact cabinet, upright Right hand hinged reversible door with lock, 6 white shelves. Exterior: White. Interior: ABS lining in white Temperature range :-22/-5°C Volume, net/gross: 312 ltr./346 ltr. Net usable volume: 265 ltr. Refrigerant / GWP : R 600 a (isobutane)/3 Ref.capacity at -25° : 212 Watt Connection : 230 V, 50 Hz Connection load : 142 Watt Energy consumption w/door closed : 1.6 kWh/24h Sound level :38.6 dB(A)</p>	One No.

		Suitable servo voltage stabilizer should be supplied along with the instrument	
SOIL SCI 003	Nano spectrophotometer	<ul style="list-style-type: none"> • System should have preprogrammed methods for rapid and reliable analysis of Nucleic acids and proteins, OD600, dye methods (parallel measurement of biomolecule and dye label), FOI (frequency of incorporation) calculation. • Should allow measuring and recording of UV/Vis spectral wavelengths from 200 to 830 nm, with smallest increment: of 1 nm • Should be compact & stand-alone system to handle sample volume ranging from 1.5 μL to 4 mL • Low volume measuring surface must be of quartz and must be hydrophobic • Should allow extinction measurement for one or several wavelengths • Recording of wavelength scans should be possible with Integrated data processing • Should have in-built methods with analysis via factor, standard or standard series • Should allow performing Dual-wavelength method with subtraction and division analysis • Should have data evaluation methods for concentration via standard series (Regression: linear, cubical, Quadratic) and (Interpolations: linear and Spline) • Should have freely selectable wavelengths providing maximum flexibility for all current and future applications • Should have SpectraZoom[®] technology to analyze and process curve sections in detail view directly on the instrument display and for peak detection • Should allow direct operation on the device and must not require PC to operate • Should have facility for saving > 1,000 or more measured results in the instrument directly • Should allow user to program and save > 100 or more new methods • Should have the combination of Absorption single-beam spectrophotometer with reference beam as measuring principle with Xenon flash lamp as light source and beam receiver as CMOS photodiode array • Temperature control of cuvette shaft should be through integrated-peltier element and not from an external peltier or through circulatory water. • Should allow to set temperature between +20°C to 42°C, with smallest increment of 0.1°C • Kinetic method should allow for end point, two-point, linear regression based analysis • Spectral band width should be < 4 nm • Photometric measuring range should be 0 A to 3.0 A at 260 nm • Random error should be ≤ 0.002 if $A = 0$, ≤ 0.005 (0.5 %) if $A = 1$ • Systematic error should be $\pm 1\%$ if $A = 1$ • System should be small, lightweight and should be easy to operate with its integrated 5.7 or more inch color display in combination with the keys of the device • Data transfer of measured data to a PC by connecting the device directly to a PC should be possible without any additional software or should be through USB stick • Should have guided software sequence to minimize errors • Light beam height should be 8.5 mm • Cuvette shaft should have dimension of 12.5 mm x 12.5 	One No.

		<p>mm, allow using Quartz/ UV transparent plastic cuvettes (UV range); Glass / plastic cuvettes (visible range) and micro-volume cuvettes</p> <ul style="list-style-type: none"> • Display should be VGA TFT-5.7 or more" • One-year warranty 	
SOIL SCI 004	PCR MACHINE	<ul style="list-style-type: none"> • Touch screen interfaced Silver block system for 96 x 0.1/0.2 mL PCR Tube or One 96-well PCR plate • 2D Gradient for advanced PCR optimization, capable of testing different temperatures in 12 columns and 8-rows simultaneously across a gradient range of 1 - 30° C • Gradient technology must operate on SteadySlope to ensure ramp rates are identical in both gradient and normal operation • Fast temperature verification must be possible from user end • Adjustable verification settings for audit is must • Adjustable user management capabilities – from flexible to strict user level controls • Heating of the block through should be through six peltier elements • Temperature control range: from 4 °C to 99°C • Temperature Control Mode: Fast, Intermediate, Standard and Safe • Lid Temperature range: 37 - 110 °C • Block Temperature Accuracy: ± 0.15°C • Block Homogeneity: 20° C to 72° C: ≤ ±0.2° C, 95° C: ≤ ± 0.3° C • Heating ramp rate: 10 °C/s • Cooling ramp rate: 5 °C/s • Adjustable ramp rate individually for heating & cooling from 0.1° C to meet critical amplification conditions • Lid descent and closing pressure should be through Flexlid technology • Intuitive Graphic programming with larger display • Administrator and user login with PIN or password for enhanced security • Preprogrammed template for easy selection of PCR protocols • Time or Temperature increment with cycles in PCR program • Customized programming allows a maximum of 40 steps and 99 cycles • Auto Restart facility with user defined time interval when power fails and resumes • Log book function for error messages and new calibration • E-mail Notification • Cooling vents at bottom and rear allow placing other instruments in limited bench space • Option to connect up to nine Mastercycler X50 variants for ultimate throughput • Option to connect up to 50 Mastercycler X50 variants using computer controlled network 	One No.

		<ul style="list-style-type: none"> • Instrument should RoHS compliance system along with CE & ISO • Interface: Ethernet, USB 	
SOIL SCI 005	Refrigerated Centrifuge	<ul style="list-style-type: none"> • Meant for centrifugation of temperature sensitive materials • Acceleration profiles low, high • Deceleration Profiles Coasting, low, high • Should have calibration window on lid for speed • Should have digital LED display • Parameters setting switches must have Feather touch keys • Must be Brushless motor with frequency drive • Should have Inverter fault detection with auto shut down • System should be CFC free refrigeration system • Should be able to recall Last set parameters • Choice of RPM/RCF setting option compulsory • Temperature display should be in 0C • Digital count down timer 0-99 min & continuous run • Automatic door opening • Automatic rotor identification • Motor over load protection • Emergency lid lock release • Imbalance detection with centrifugation cut off • Gas Hinge to prevent door falling • Max. speed: 20000RPM, Max. RCF: 37570,Max. Tube size: 100ml, Max. Capacity: 400ml, Lowest Temperature: -8°C, Noise: ≤ 60dB • 36 x 15ml angle rotor with polypropylene tubes must be supplied along with instrument. • 12 x 50 ml angle rotor with polypropylene tubes must be supplied along with instrument. • 24x1.5ml angle rotor with polypropylene tubes must be supplied along with instrument. • Suitable Servo Voltage stabilizer must be supplied along with instrument, stabilizer quoted must be from the same equipment manufacturer 	One No.
SOIL SCI 006	Refrigerated Micro Centrifuge	<ul style="list-style-type: none"> ➤ 18-Place refrigerated Micro centrifuge with two-knob operation. ➤ Very Compact and quiet operation even when operated with out lid. ➤ Max RPM 14,000 ➤ Max RCF 16,873 X g ➤ Built in Condensation drain to eliminate water accumulation from the chamber. ➤ Rotor capacity 18X 1.5/2.0 ml ➤ At set rpm function. ➤ Acceleration time to max Speed 11Sec ➤ Breaking time max. Speed 12Sec ➤ Aerosol tight Quick Lock lid and polypropylene lid not preferable. ➤ Temp range:0 degree C to +40 degree C ➤ Maintains Constant 4 Degree C at Max Speed ➤ Patented Compressor Technology, which reduces the vibration and helps to protect the sample. 	One No.

		<ul style="list-style-type: none"> ➤ Fast Temp for rapid pre-cooling of the centrifuge. ➤ Continuous cooling maintains temp.when centrifugation process is not active ➤ Separate Short Spin button for fast and short spins ➤ IVD conform 	
SOIL SCI 007	Elemental Analyser for automatic determination of C-N Analysis	<p>Fully Automated PC controlled Elemental Analyser for analyzing samples in solids& Liquids.Possible to change the mode from CN to CHNS without any hardware change necessary consumables/spares required to changing the mode needs to be offered in the optional.</p> <p>Sample weight Range : 0.1mg to 1g. Detection range : 0 to 100% for all elements with the capability of measuring at least 40 mg absolute carbon or more in any sample.</p> <p>Measuring range: 0.005% to 100% for all elements. Also mention the absolute measuring range of C&N with proof</p> <p>Standard deviation :≤0.1% of absolute.</p> <p>Must be equipped with electronic mass flow controller and digital flow sensors for accurate readout of flow.</p> <p>Baseline separation: 1/12000 N/C and S/C elemental ratio</p> <p>All pressure and flow sensors must be electronic for better accuracy. There should not be any analogue pressure gauges/Flow meters on the analyzer must be controlled by PC.</p> <p><u>Furnace System</u></p> <ul style="list-style-type: none"> • Should have two zone furnace system, separate for combustion/reduction with independent temperature control for each furnace. It should be possible to set difference temperature for combustion and reduction. • <i>Controlled furnace Temperature should be 1200degC or more</i> • <i>There must be 10 years' free replacement warranty on the furnace.</i> • Should have possibility to use ceramic/quartzash finger to handle high inorganic/halogen or fluorine contents sample. <p><u>Separation System</u></p> <ul style="list-style-type: none"> • Advanced Chromatographic separation of gases using temperature programmed desorption column. • Complete instrument control over elution process with provision of auto zero of baseline after each element elution. <p><u>Detector System</u></p> <ul style="list-style-type: none"> • TCD detector or IR detector for measurement of C-N.Detector should not get affected/damaged even if Helium flow is not there. • 5 years warranty on TCD needs to be offered. <p><u>Autosampler System</u></p> <ul style="list-style-type: none"> • Electromechanical autosampler system with 80 positions or more in single tray. • <i>It should be possible to remove the autosampler without having to shut of gas supplies or evacuate the flow path for loading more samples.</i> • Zero blank sample injection system without keeping the whole autosampler under inert atmosphere. There should not be any requirement of Helium flushing in the auto sampler. <p>Carrier gas: Should use Helium as a carrier gas needs to be offered with regulator</p>	One No.

		<p>Combustion Gas: Oxygen gas needs to be offered with regulator</p> <p>Please offer solid and liquid sample preparation device.</p> <p>Kit for the measurement of fluorinated samples needs to be quoted</p> <p>Software</p> <ul style="list-style-type: none"> • Must be Windows based, compatible to latest Operating system i.e., windows 7 or more and should have display of set and actual pressures, flow rates, temperatures, number of samples analysed with provision for setting maintenance interval with warning when maintenance needed • Branded Windows PC needs to be offered • Should have segmented leak check through software to enable identification of exact position of leak. <p>Consumables:</p> <p>To be supplied with consumables sufficient for 5,000 sample analyses in CN mode.</p> <p>Accessories to be supplied along with the equipment:</p> <ul style="list-style-type: none"> • Dual-range semi-micro balances 0.01mg/0.1mg, capacity:82gm/220gm to be supplied along with instrument. • Suitable branded computer to be supplied along with the instrument. <p>Necessary documents:-</p> <ol style="list-style-type: none"> 1. The quoted model should be of latest technique and should not be more than 5 years old. Please declare the year of launch with proof. 2. Please submit the list of at least 10 users in South region and minimum 5 performance certificates from South region needs to be enclosed. 3. Please submit point wise compliance statement with the offer with documentary proof. 																																
SOIL SCI 008	<p>TECHNICAL SPECIFICATION OF 5KVA ONLINE UPS SYSTEM WITH 2 HOURS BACKUP 5KVA</p>	<table border="1"> <thead> <tr> <th data-bbox="600 1200 884 1368">Topology</th> <th data-bbox="884 1200 1275 1368">IGBT BASED PWM TECHNOLOGY MICROPROCESSOR CONTROLLED DOUBLE CONVERSION TRUE ONLINE UPS</th> </tr> </thead> <tbody> <tr> <td data-bbox="600 1368 884 1413">Output power capacity</td> <td data-bbox="884 1368 1275 1413">4000W</td> </tr> <tr> <td data-bbox="600 1413 884 1458">Input</td> <td data-bbox="884 1413 1275 1458"></td> </tr> <tr> <td data-bbox="600 1458 884 1503">Phase</td> <td data-bbox="884 1458 1275 1503">Single Phase with Ground (L-N-G)</td> </tr> <tr> <td data-bbox="600 1503 884 1547">Voltage</td> <td data-bbox="884 1503 1275 1547">230V AC</td> </tr> <tr> <td data-bbox="600 1547 884 1592">Voltage range</td> <td data-bbox="884 1547 1275 1592">160V - 300V AC</td> </tr> <tr> <td data-bbox="600 1592 884 1637"></td> <td data-bbox="884 1592 1275 1637">110V- 300V AC @ 60% load</td> </tr> <tr> <td data-bbox="600 1637 884 1682">Power factor</td> <td data-bbox="884 1637 1275 1682">0.99</td> </tr> <tr> <td data-bbox="600 1682 884 1727">Current THD</td> <td data-bbox="884 1682 1275 1727"><10%</td> </tr> <tr> <td data-bbox="600 1727 884 1771">Inbuilt Isolation Transformer</td> <td data-bbox="884 1727 1275 1771">Required at Input</td> </tr> <tr> <td data-bbox="600 1771 884 1816">Battery</td> <td data-bbox="884 1771 1275 1816">192V</td> </tr> <tr> <td data-bbox="600 1816 884 1861">Battery charging</td> <td data-bbox="884 1816 1275 1861">Constant Current & Constant Voltage</td> </tr> <tr> <td data-bbox="600 1861 884 1906">Battery type</td> <td data-bbox="884 1861 1275 1906">VRLA SMF Batteries</td> </tr> <tr> <td data-bbox="600 1906 884 1951">Battery back up time</td> <td data-bbox="884 1906 1275 1951">2 Hours, 16 Nos of 75Ah</td> </tr> <tr> <td data-bbox="600 1951 884 1995">VAH Required</td> <td data-bbox="884 1951 1275 1995">Minimum 14400VAH or above</td> </tr> </tbody> </table>		Topology	IGBT BASED PWM TECHNOLOGY MICROPROCESSOR CONTROLLED DOUBLE CONVERSION TRUE ONLINE UPS	Output power capacity	4000W	Input		Phase	Single Phase with Ground (L-N-G)	Voltage	230V AC	Voltage range	160V - 300V AC		110V- 300V AC @ 60% load	Power factor	0.99	Current THD	<10%	Inbuilt Isolation Transformer	Required at Input	Battery	192V	Battery charging	Constant Current & Constant Voltage	Battery type	VRLA SMF Batteries	Battery back up time	2 Hours, 16 Nos of 75Ah	VAH Required	Minimum 14400VAH or above	One No.
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		Output	
		Nominal output voltage	230VAC ± 1%
		Frequency	50Hz ± 0.1 Hz
		Frequency synchronisation	47.5 to 52.5Hz
		Voltage THD	<3% Linear Load
			<5% Non Linear Load
		Efficiency	
		AC/AC (overall efficiency)	>/= 92%
		Eco mode	Up to 97%
		Overload capacity	
		105 - 110%	10 min
		111 - 130%	1 min
		Communication	
		RS232	Available
		SNMP	Optional
		Operating temperature	0~40°C
		Electrical	
		Input terminal	Input Breaker + Terminal
		Output terminal	Terminal
		Features	
		Converter mode	Available
		Bypass parameters configurable	Available
		Display	LED + LCD Display
		Mechanical	
		Ingress protection	IP 20
		Standards	
		Safety	EN 62040-1
		EMI / EMC	EN 62040-2
		Performance	IEC 62040-3
		BIS Certification	Yes, Approved
		Certification	CE, NUMBER TO BE PROVIDED FOR THE QUOTED MODEL FOR VERIFICATION ,ISO9001-2008,ISO 14001-2004,OHSAS 18001-2007

SOIL SCI 009	Gel Documentation System	<ol style="list-style-type: none"> 1- Imaging system should have Automatic capabilities with Application driven, user selected or recalled by a protocol. 2- Should have 100 % repeatability via recallable protocols. 3- System should have pre-calibrated focus for any zoom settings & sample height. 4- Should have appropriate flat fielding correction automatically & consistently applied to image data for every application.. 5- Versatile system to support wide range of applications like- Fluorescent dye like syber green, syber safe, Western blotting, 2-D, 1-D, Dot Blotting, Nucleic acid detection , Quantitation etc. 6- Should have true 12 bit true CCD camera and provide Image resolution of not less than 4 Megapixels 7- System should capable of taking maximum sample size of 28 X 36 cm. 8- System should have precalibrated & optimized dynamic image flat fielding 9. It should universal dark hood & upgradeable to chemiluminescence. 10. Should have motorized zoom lens- f/1.2, 12-75mm with numerical feedback value to reduce the experimental variation -Capable of Optimizing, saving, and quickly recalling the imaging acquisition settings 11. Option of Safe DNA Imaging without UV exposure- using the XcitaBlue Conversion screen to prevent damage from UV and preserve samples for downstream protein production. 12. Reproducibly position or center the sample on the image platen by using gel alignment templates. 13. Should come with 1 D analysis software with following features and with multiple licenses. <ul style="list-style-type: none"> ✓ Single mouse click from image capture to results and reports, very fast and efficient. ✓ Should have comprehensive automated quantitative analysis of proteins & DNA samples in seconds. ✓ Intuitive and well organized (efficient) selection of workflows based on applications ✓ Should calculate precisely continuous focus curves that are consistently and automatically applied for every zoom position and sample height. No user intervention for focusing. All calculations are done at setup, once and for all image captures ✓ System should have stain-Free capability for stain-free gels and blots. ✓ Gel doc software should be compatible with PC and Mac system 	One No.
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		✓ Suitable Desktop PC with original OS to be supplied along with the instrument	
SOIL SCI 010	Horizontal & Vertical Electrophoresis with Power Pack	<p><u>Large Format Vertical Electrophoresis</u></p> <ol style="list-style-type: none"> 1) The system should have large format vertical electrophoresis cell that is used for the most common electrophoretic techniques such as SDS-PAGE, native electrophoresis, and agarose gel electrophoresis and it should accommodate 16 x 20 cm size gels 2) Should have the ability to cast multiple gradient gels using the multi-gel casting chamber and gradient former, and the appropriate exponential piston. Use of the gel clip facilitates handling of large gels 3) Should accommodate handcast gels 4) To exert uniform pressure along the entire length of the glass plates needs single-screw clamps on the casting stand and provide a leakproof seal without agarose plugs or grease 5) Required central cooling core can be connected to tap water or a cooled recirculating bath, or filled with coolant, providing smile-free patterns with as little as 1.5 L buffer 6) Notched plates allow up to four 16 x 16 cm or 16 x 20 cm handcast gels to be run simultaneously 7) Choice of glass plates, spacers, and sandwich clamps to cast 2 gel lengths, 16 or 20 cm 8) Optional frosted glass plates for high-resolution vertical agarose gel electrophoresis of nucleic acids 9) Comb conversion screws convert any comb from a standard 25 mm well depth to a 10 mm depth to simplify comb removal <p><u>Specifications for Mini Format Horizontal Electrophoresis Apparatus:</u></p> <ul style="list-style-type: none"> • Cell size (W x L x H) : 17.8 x 25.5 x 6.8 cm • Gel tray sizes (OD) (W x L) : 15 x 7cm • ReadyAgarose™ gels accommodated : Yes, 20, 32 or 2 x 32-well • Sample throughput : 10–60 • Base buffer volume : ~650 ml • No Buffer recirculation • Bromophenol blue migration: ~4.5 cm/hr (at 75 V) <p><u>Power Pack:</u></p> <ol style="list-style-type: none"> 1) Voltage : 10 – 500V 2) Current : 0.01-2.5A 3) Power : 1-500W 4) Out put should be constant voltage, constant current and constant power. 	One No.

		<p>5) Should store up to 9 methods each with up to 9 steps.</p> <p>6) Should have automatic recovery after power failure.</p> <p>7) Should run 4 systems in parallel. (Single power pack should run both vertical & horizontal systems)</p> <p>8) Should come with power pac data transfer software to organized, display, analyze, export and annotate run data from power Pac universal</p>	
SOIL SCI 011	Horizontal and vertical Electrophoresis unit with Power pack	<p><u>Specifications for Mini SDS PAGE :</u></p> <ul style="list-style-type: none"> • The system should be capable of accommodating & simultaneously running 1 to 4 mini gels in less than an hour. • The system should be easy to assemble, include a casting stand and glass plates with permanently bonded gel spacers for leak proof casting of gels and avoid messy agarose sealing & tape casting of gels. • The system should be capable of accommodating interchangeable modules for tank transfer, 2-D electrophoresis & electro-elution. • The system should come with molded, one-piece buffer dam when running (only) one or three gels. • The system should come with color coded electrodes to prevent accidental reversal of polarity. • The system should be capable of accommodating 5 well, 9 well, 10 well, 15 well & Prep/2D combs for sample volumes ranging from 20-150 µl. • The system should be capable of accommodating both hand cast & precast gels of the below said dimensions : • Gel size (W x L) : Precast 8.6 x 6.8 cm , handcast 8.3 x 7.3 cm <p><u>Specifications for Mini Format Horizontal Electrophoresis Apparatus:</u></p> <ul style="list-style-type: none"> • Gel size (W x L x H) : 9.2 x 25.5 x 5.6 cm • Gel tray sizes (OD) (W x L) : 7 x 7cm and 7 x 10cm • ReadyAgarose™ gels accommodated : Yes, 8-, 12-, 2 x 8-well • Sample throughput : 8–30 • Base buffer volume : ~270 ml • No Buffer recirculation 	One No.

		<ul style="list-style-type: none"> • Bromophenol blue migration: ~4.5 cm/hr (at 75 V) <p><u>Power Supply:</u></p> <ul style="list-style-type: none"> • The supplied Power Source should be capable of delivering constant voltage & constant current output with automatic crossover. • The output range of the supplied Power Source should be 1-300V, 4-400 mA, & capable of withstanding a maximum power of 75 W. • The unit should be stackable, compact with a small footprint. • Should come with a built in timer, pause & resume function. • The Power Source should come with safety features like No Load Detection, Sudden Load change Detection, overload/short circuit detection & overvoltage protection. • The power source should be capable of running both horizontal and vertical electrophoresis simultaneously/in parallel. <p>The system should have an option for stacking to save the lab space</p>	
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Note: The cost should include installation also at the place

Sd/-P.Rajasekhar
Associate Director of Research
Regional Agricultural Research Station
Tirupati

ANNEXURE-II

Declaration

1. I/We have not been black listed in any department due to any reasons during last 3 years
2. I/We have not been demoted to lower category in any department for not filing the tenders after buying the tender schedules in a whole year and their registration had not been cancelled for a similar default in two consecutive years.
3. I/We will agree to get disqualified my(our)selves for any wrong declaration in respect of the above and get my/our tender summarily rejected.
4. The soft copies uploaded by them are genuine and not forged. Any incorrectness / deviation noticed can be viewed seriously and apart from cancelling the work duly forfeiting the bid security, criminal action can be initiated including suspension of business and/ or black listing.
5. I/We submitting a demand draft no. _____ dated _____ issued by _____ for Rs. _____ towards the EMD.

Signature of Tenderer

Date

Address

ANNEXURE-III

Check List

Sl.No	Code No.	Name of the Document
1.	E-I	Declaration Form (Annexure-II)
2.	E- II	Manufacturing License / Authorization letter from the Manufacturing firm
3.	E- III	Earnest Money Deposit
4.	E- IV	VAT/Sales Tax/GST Clearance Certificate or payment particulars for preceding two years along with supporting Documents. (2016-17 & 2017-18)
5.	E- V	Annual Turnover Assessment order for the preceding two years (2016-17 & 2017-18) certified by Commercial Tax Officer / Chartered Account
6.	E- VI	Copies of balance Sheet, Profit and loss Account for last two years i.e. (2016-17 & 2017-18) duly certified by the Auditor
7.	E – VII	Copy of GST Registration Certificate
8.	E-VIII	Users list for the item/ equipment during past 4 years
9.	E- IX	BIS / ISO/ CE issued by the Competent Authority
10.	E-X	APSSIDC/NSIDC/MSME Certificate, if applicable
11.	E- XI	Government Ownership Certificate, If applicable
12.	E- XII	List of service centers with contact details for each of the equipment

ANNEXURE – IV

FINANCIAL BID

I/We quote the rates FOR, REGIONAL AGRICULTURAL RESEARCH STATION, TIRUPATI
Inclusive of all taxes, duties, transportation, insurance, installation etc., as below.

Sl. No.	Name of the item	No. of Units	Price per Unit (Rs.)	Total amount (Rs.)

The articles will be ready for delivery within ____ days from the date of receipt of firm orders.

Yours faithfully,

(Signature and stamp of the Tenderer state legal status whether prop. Partner, Registered firm, Company etc)

Encl: Information brochure enclosed

EMD – DD No.Dt. For Rs. _____

Note: *1. Attach additional sheets giving full particulars such as name and address of the proprietor or list of partners and their addresses or particulars of registered firm or of the company and the specifications of the items furnished.*

1. Rates quoted should be marked clearly with main price and taken separately. Total price after taking all the actuals will be taken as financial quote for comparison.