

*Total No. of pages in tender document: 32 (thirty two) pages*

TENDER FORM



NTR College of Veterinary Science

SRI VENKATESWARA VETERINARY UNIVERSITY

GANNAVARAM- 521102, KRISHNA DT.

**SRI VENKATESWARA VETERINARY UNIVERSITY**  
**NTR COLLEGE OF VETERINARY SCIENCE, GANNAVARAM**

**E-PROCUREMENT NOTICE**

Tender Notice No. A3/63/NTRCVSC/2017

Date:08.01.2018

Tender ID on eprocurement website: 164639

E- Procurement tenders are invited from the manufacturers or their authorized dealers for supply of various equipment to be installed at the NTR College of Veterinary Science Gannavaram.

Details are as follows:-

1)	Tender document online opening date	08.01.2018 at 03.00 PM
2)	Tender document online closing date	22.01.2018 at 01.00PM
3)	Bid- Submission Online closing date	22.01.2018 at 02.00 PM
4)	Submission of all the uploaded documents (Hard Copies) at the NTR College of Veterinary Science, Gannavaram	23.01.2018 by 12 noon
5)	Bid online opening date at the NTR College of Veterinary Science, Gannavaram	After closure of bid submission online

- Bidders shall have APTS Registration (for details log on to [www.apts.gov.in](http://www.apts.gov.in))
- For details visit [www.apecurement.gov.in](http://www.apecurement.gov.in)

For any clarification, please contact:

+91-9989051547

Sd/-  
Dr.G.Srinivasa Rao  
Associate Dean  
NTR College of Veterinary Science  
GANNAVARAM

## **GENERAL TERMS AND CONDITIONS**

1. Tenders will be accepted through on-line up to 08.01.2018 upto 2.00 PM by the Associate Dean, NTR College of Veterinary Science, SVVU, Gannavaram for the supply of various equipment as listed in Annexure A.
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 certain equipment to different departments located in the NTR College of Veterinary Science, Gannavaramas per the specifications enclosed in Annexure-I.

## **ELIGIBILITY TO PARTICIPATE IN TENDERS**

1. Manufacturers or their authorized Dealers 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 Tenderer shall supply good quality equipment as per Standards
4. The Associate Dean, NTR College of Veterinary Science, SVVU, Gannavaram reserves the right to reject the tender of blacklisted companies and those of companies whose past performance with the NTR College of Veterinary Science, SVVU, Gannavaram 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 equipment is essential. Tenders submitted without technical literature of the equipment 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:**

PQ stage	Opening of Technical Bids i.e. Part-I
Commercial stage	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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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.apecurement.gov.in>.

Sl.No	Code No.	Name of the Document
1.	E-I	Declaration Form (Annexure II)
2.	E- II	Check List (Annexure III)
3.	E- III	Manufacturing License / Authorization letter from the Manufacturing firm
4.	E- IV	Earnest Money Deposit
5.	E- V	PAN card
6.	E- VI	VAT/Sales Tax Clearance Certificate, payment particulars for preceding three years along with supporting Documents. (2015-16 and 2016-17)
7.	E – VII	Annual Turnover Assessment order for the preceding two years (2015-16 and 2016-17)certified by Commercial Tax Officer / Chartered Account
8.	E-VIII	Copies of balance Sheet, Profit and loss Account for last two years i.e. (2015-16 and 2016-17) duly certified by the Auditor
9.	E- IX	Copy of GST registration certificate
10.	E-X	Latest Non-Conviction Certificate (In Original)  If applicable
11.	E- XI	Users list for each of the item/ equipment quoted during past 4 years
12.	E- XII	BIS / ISO/ CE issued by the Competent Authority for each of the equipment. A valid reason should be shown if not applicable.
13.	E-XIII	APSSIDC/NSIDC Certificate, if applicable
14.	E-XIII	Government Ownership Certificate of the firm, If applicable

Sl.No	Code No.	Name of the Document
15.	E-XIV	<b>List of service centers with contact details for each of the equipment or group of equipment</b>

2. The tenderers are requested to submit the following for verification on or before 22.01.2018 until 4 PM physically or by post. The NTR College of Veterinary Science 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 online. (0.03% of estimate value + GST as applicable). It is mandatory for all the participant bidders from 1<sup>st</sup> 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 @ 2% of the bid amount in the form of crossed demand draft / pay order drawn on any scheduled bank in favor of The Administrative Officer, NTR College of Veterinary Science payable at Gannavaram or Online payment. The E.M.D. of unsuccessful tenderers will be returned after signing the agreement with the successful tenderers.

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 or proof of online payment 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 department 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 Dean, NTR College of Veterinary Science, Gannavaram's written notice of acceptance of the Tender has been posted to him or them, deposit with the Associate Dean, NTR College of Veterinary Science, Gannavaram a sum of rupees@ 2% of the cost of the equipment inclusive of all taxes (or the authority may fix the amount according to the value of the equipment) 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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram.
2. Earnest Money of the unsuccessful Tenderer(s) shall be refunded after signing the agreement with the successful tenderers' by the NTR College of Veterinary Science, Gannavaram. No interest is payable by The Associate Dean, NTR College of Veterinary Science, Gannavaram on such deposits.
3. The Earnest Money and Security money deposited by successful Tenderer(s) shall be retained by The Associate Dean, NTR College of Veterinary Science, Gannavaram 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 CLEARANCE CERTIFICATE**

Attested Photo Copy of VAT / Sales Tax Clearance Certificate and Sales Tax Payment particulars obtained from the competent sales tax authority of the area concerned for the years (2014-15, 2015-16 and 2016-17) shall be attached. Certificates older than that shall not be considered. Those not liable for VAT/ Sales Tax payment under relevant rules should produce a certificate to that effect from the competent authority.

#### **GST REGISTRATION**



The firm should have valid GST registration number. Attested copy to this extent must be submitted along with the technical bid.

**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 equipment areshown 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 equipment should be quoted. The rates quoted

should be inclusive of all the applicable taxes and “FOR destination” (destinations for the equipment are mentioned in Annexure-I). However, the applicable taxes and packaging costs if any etc. should be clearly indicated in the price bid.

3. No Insurance charges will be paid by the Department / Indenter.
4. 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.
5. All rates quoted by the bidder should be valid for a period of One year from the date of acceptance of the lowest Bid.
6. 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 department come to the notice at any time, during the course of Rate Contract for the rest of the Rate Contract period, the Associate Dean, NTR College of Veterinary Science, Gannavaram reserves the right to initiate an appropriate disciplinary action against such firms including black listing them.
7. IF ARTIFICIALLY LOW RATES ARE QUOTED, the ASSOCIATE DEAN, NTR COLLEGE OF VETERINARY SCIENCE; GANNAVARAM RESERVES THE RIGHT TO CROSS-VERIFY THEM AND IGNORE THEM FROM CONSIDERATION IN ORDER TO PREVENT UNETHICAL TRADE PRACTICES.
8. 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 customs and othertax exemptions will be provided by SVVU, 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 NTR College of Veterinary Science, Gannavaram, A.P or SVVU 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 to respective departments (as indicated in the Annexure I) in the NTR College of Veterinary Science, Gannavaramat the cost of the supplier.
17. The rates should be quoted separately for each equipment.

### **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, the format 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) years.

#### **DEMONSTRATION OF THE EQUIPMENT:**

1. The Tenderer may have to arrange for demonstration of the functioning of the equipment as per specifications with the Associate Dean, NTR College of Veterinary Science, Gannavaram, in case of necessity.
2. If the equipment is declared to be not of standard quality or not meeting the specified requirements, it will be deemed to be rejected. If any equipment 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 equipment will be recovered from the tenderer, if the payment had already been made, in addition to penalty. *The approved firms shall Re-Supply the equipment.*

#### **OTHER CONTRACTUAL OBLIGATIONS**

1. The contract shall not be capable of being varied except by written consent by both the Associate Dean (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 Dean, NTR College of Veterinary Science, Gannavaram. Such consent shall not however be withheld unreasonably. But the Tenderer(s) may without the consent of The Associate Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram and all copies thereof shall be returned to the Associate Dean when their use is terminated. In no event the supplier(s) shall permit publicity concerning this contract without the prior consent of the Associate Dean, NTR College of Veterinary Science, Gannavaram

4. Any undertaking or commitment given by or made by any Officer or the Associate Dean verbally or in writing does not have any validity unless it is signed again by the authority competent who concluded an agreement earlier.

### **SUPPLIES AS PER SPECIFICATIONS**

1. The decision of The Associate Dean, NTR College of Veterinary Science, Gannavaram 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.
2. If at any time during the term of this contract, the plans of The Associate Dean, NTR College of Veterinary Science, Gannavaram changes for any reasons The Associate Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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 NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram 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 Dean, NTR College of Veterinary Science, Gannavaram.
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 The Associate Dean, NTR College of Veterinary Science, Gannavaram.
7. The payment of the bills shall be made by the Associate Dean, NTR College of Veterinary Science, Gannavaram duly deducting the statutory deductions, if any.

## **PENALTIES**

- 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 Associate Dean, NTR College of Veterinary Science, Gannavaram and he will also be liable for all damages sustained by the Associate Dean, NTR College of Veterinary Science, Gannavaram 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 Associate Dean, NTR College of Veterinary Science, Gannavaram, 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 will be 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 DEAN, NTR COLLEGE OF VETERINARY SCIENCE, GANNAVARAM 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 Dean, NTR College of Veterinary Science, Gannavaram or his nominee shall be the sole arbitrator and the arbitrator's decision shall be final and binding on the parties. The Tenderer(s) shall not have any 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/-  
Dr. G. Srinivasa Rao  
Associate Dean  
NTR College of Veterinary Science  
Gannavaram

## ANNEXURE I

(Technical Specifications)

### Department of Veterinary Gynecology and Obstetrics, NTR CVSc, Gannavaram

S. No.	Item Code	Name of the Item	Specifications and Parameters	Quantity (Nos.)
1	VGO001	<b>IVET SCOPE (with smart phone)</b>	<p>1. I Vet Scope is for Artificial Insemination &amp; detection of heat in animals</p> <p>2. To identify the opening of os cervix very clearly when the animal is in heat and position of os and nature of cervix , any inflammation of cervix etc.</p> <p>3. It will help in knowing the cervico vaginal discharges.</p> <p>4. Recording the insemination is another advantage using Smart Phone</p> <p>5. The practice of insemination with this equipment</p> <p>6. The best diagnostic tool for insemination, torsions, inflammations.</p> <p>7. The I Vet Scope Equipment is not only a gynecological application tool but also helpful in assessing the obstructions at larynx and inflammations in mouth etc.</p>	1

**Laboratory Animal House, NTR College of Veterinary Science, Gannavaram**

<b>Item code</b>	<b>S.No</b>	<b>Equipment/Item</b>	<b>Quantity (Nos)</b>
	<b>1.</b>	<b>Hanging type rack system to hold cages</b> – S. S. 304, Rust free, nos magnetic, long lasting with friction free strong castor wheels with break	
LA001	<b>a.</b>	Mice: 4 rows, 5 cages in each row	6
LA002	<b>b.</b>	Rat : 4 rows, 4 cages in each row	6
LA003	<b>c.</b>	Rabbit: 3 rows, 1 cage in each row	3
	<b>2.</b>	<b>Rodent Cages:</b> poly carbonated material, autoclavable – with stainless steel top grill with flap cover suitable to hang in the rack system	
LA004	<b>a.</b>	Mice: 27x21x14 (HxWxL)	120
LA005	<b>b.</b>	Rat: 43x27x15 (HxWxL)	96
	<b>3.</b>	<b>Rabbit Cages:</b> Completely manufactured in AISI Stainless Steel 304/316 quality material.	
LA006	<b>a.</b>	Rabbit: 48x18x18 (HxWxL)	9
	<b>4.</b>	<b>Water feeding water bottles:</b> polycarbonate	
LA007	<b>a.</b>	Mice: 125 ml, straight nozzle	120
LA008	<b>b.</b>	Rat: 250 ml, straight nozzle	96
LA009	<b>c.</b>	Rabbit: 500 ml, bent nozzle	9
	<b>5.</b>	<b>Feeding needles &amp; animal capillaries:</b> for oral dosage	
LA010	<b>a.</b>	Mice	10
LA011	<b>b.</b>	Rat	10
LA012	<b>c.</b>	Rabbit	10
	<b>6.</b>	<b>Lab animal holders:</b> poly carbonated material	
LA013	<b>a.</b>	Mice	5
LA014	<b>b.</b>	Rat	5
LA015	<b>c.</b>	Rabbit	5
LA016	<b>7.</b>	<b>Refrigerator:</b> 150 liters	2
LA017	<b>8.</b>	<b>Air conditioner:</b> 1.5 ton capacity, 5 star rated, should work without stabilizer, corrosive proof.	3
LA018	<b>9.</b>	<b>Indoor room air filters</b>	3
LA019	<b>10.</b>	<b>Dissection table for laboratory animal house:</b> 3x2x4 (HxWxL) made up of stainless steel with water drain (at the corner) into bucket	1
LA020	<b>11.</b>	<b>Dosing table:</b> 3x2x3 (HxWxL) made up of stainless steel	2
LA021	<b>12.</b>	<b>Digital temperature cum humidity meter</b>	4
LA022	<b>13.</b>	<b>Almirah:</b> 5x3x2 (HxWxL) with 5 racks, made up of corrosive resistant iron with powder coating paint	1

**Department of Animal genetics and Breeding, NTR College of Veterinary Science,  
Gannavaram 521102**  
**(\* the item code AGB015 need to be delivered and installed at Administrative Building,  
Sri Venkateswara Veterinary University, Tirupati)**

S. No.	Item Code	Name of the Equipment	Specifications	Qty.
1.	AGB001	Fluorimeter	<ul style="list-style-type: none"> <li>• The fluorimeter should be of benchtop type</li> <li>• System should be able to quickly and accurately quantify DNA, RNA, microRNA, and protein, in &lt;3 seconds per sample and Fast, reliable detection of degraded RNA in &lt;5 seconds per sample.</li> <li>• System should be able to work with as low as 1 ul of sample.</li> <li>• System should have: Blue LED (max ~470 nm) and Red LED (max ~635 nm) as light sources.</li> <li>• System should be able of determining very low concentration of biomolecule using fluorescent dyes, with Blue (430–495 nm) &amp; Red (600–645 nm) Excitation filters and Green (510–580 nm) &amp; Red (665–720 nm) Emission filters.</li> <li>• System should have Photodiode as detectors with the measurement capability from 300–1000 nm.</li> <li>• System should have in-built pre-programs for nucleic acids and protein quantification by fluorescence intensity.</li> <li>• System should use assays that contain advanced dyes that only fluoresce when bound to DNA, RNA, or protein. The technology should only report the concentration of the molecule of interest, not contaminants.</li> <li>• System should indicate samples that are in the extended range or out of range in the graph, as well as in the simple sample output screen.</li> <li>• System should use disposable assay</li> <li>• Detection limit for dsDNA should be 1 pg/μL.</li> <li>• Direct operation on the device, with no requirement for external devices like PC.</li> <li>• Should be able to save &gt;1,000 results on the device and &gt;100 method programs in memory</li> </ul> <p>Should include kit for 1000 DNA genomic DNA samples, 500 PCR samples, 500 RNA samples, 100 ssDNA samples and 100 protein samples</p> <ul style="list-style-type: none"> <li>• Instrument should be CE certified</li> </ul> <p>Warranty: 2 year</p>	1
2.	AGB002	Digital Balance	<p>Analytical type</p> <ul style="list-style-type: none"> <li>• Capacity : 220 gms</li> <li>• Minimum Display : 0.1mg</li> <li>• Repeatability : ≤ 0.1 mg</li> <li>• Linearity : ± 0.2mg</li> <li>• Response Time : Approx. 3.0 seconds</li> <li>• Operating temp. range : 5- 40°C 20-85%</li> <li>• Stability of sensitivity : ±2ppm/°C</li> <li>• Pan Size : 91 dia</li> <li>• Main unit dimension : 213 x 356 x 338</li> <li>• Main unit weight : approx.6.2kg</li> <li>• Power supply : 12V, 1A</li> <li>• Display : LCD back light display</li> <li>• Possibility for internal calibration</li> </ul>	1

			<ul style="list-style-type: none"> <li>• Should have single block pan rather balancing pan</li> </ul> <p>Warranty: 2 year</p>	
3.	AGB003	Micro centrifuge	<ul style="list-style-type: none"> <li>• Portable and bench top type</li> <li>• Power supply : 100V or 240V 50/60Hz</li> <li>• Power requirement : 100W</li> <li>• Capacity: 6x1.5ml / 2.0ml fixed angle</li> <li>• Max. rotation speed: 7000rpm / min</li> <li>• Relative centrifugal force : 2,300xg</li> <li>• Timer : 20sec. 99min</li> <li>• Acceleration time to max. speed : 8 s</li> <li>• Braking time from max. speed : 8 s</li> </ul> <p>Warranty: 2year</p>	1
4.	AGB004	Autoclave	<ul style="list-style-type: none"> <li>• Should be fully constructed with A1S1- SS304 grade stainless steel</li> <li>• Should have hydraulic die pressed lid of SS 304</li> <li>• Chamber hydro tested at 60 PSI</li> <li>• All accessible parts used should be of stainless steel 304</li> <li>• Should be a pedal free system.</li> <li>• Should have water level indicator facility</li> <li>• Controlling System: Microprocessor based PID controller with Dual Digital Display of Temp. And Timer</li> <li>• Heating System : SS 316 Water Immersion heater</li> <li>• Sterilizing temperature : 121°C</li> <li>• Operating Pressure : 15 PSI</li> <li>• Sterilizing Time : 0-99 minutes</li> <li>• Should include a suitable servo stabilizer</li> <li>• Should be supplied with a suitable servo stabilizer</li> </ul> <p>Warranty: 1 Year</p>	1
5.	AGB005	Interchangeable 2X96 well block of 0.2 micro liter capacity for Proflex PCR machine	<ul style="list-style-type: none"> <li>• 2X96 well block of 0.2 micro litre capacity</li> <li>• Should be suitable for Proflex PCR machine</li> <li>• <b>Note:</b>This is for interchange whenever needed for an existing Proflex PCR machine in the lab.</li> </ul> <p>Warranty: 1year</p>	1
6.	AGB006	Shaking Incubator	<ul style="list-style-type: none"> <li>• Inside material is SUS304 and outside body is powder painting</li> <li>• User friendly Touch Screen Panel.</li> <li>• Overheat and over low protector, built-in circulating fan With safety switch to stop shaking when opening door</li> <li>• Tempered Safety Glass Window for operation view</li> <li>• Use brushless AC motor the shaking system.</li> <li>• Shaking smoothly and quietly</li> <li>• With CE Certificate</li> <li>• Type: upright</li> <li>• Temp. Range: ambient + 5 to 70deg. C</li> <li>• Shaking speed : 20~250rpm</li> <li>• Temp. Accuracy: +/- 0.1deg. C</li> <li>• Temp. Control : PID</li> <li>• Temp. Display: LED</li> <li>• Shaking width: 25mm</li> </ul>	1

			<ul style="list-style-type: none"> <li>• Timer : 999H x 999M x 999S</li> <li>• Heater: 700W</li> <li>• Shaking plate size: 400x300mm</li> <li>• Volume: 65 liters</li> <li>• Suitable servo Stabilizer should be provided</li> </ul> <p>Warranty: 1 Year</p>	
7.	AGB007	Hand held tissue homogenizer	<ul style="list-style-type: none"> <li>• Should be able to process samples of 0.05ml to 100ml</li> <li>• Ergonomic design</li> <li>• Motor speed 5000 to 30000 rpm</li> <li>• Minimum sample size: 250 micro litre</li> <li>• Should have a stand with support rod</li> <li>• Power: 220V and 50/60Hz</li> <li>• Should include stainless steel rotors</li> <li>• Should include 12 soft tissue and 12 hard tissue plastic tip probes</li> </ul> <p>Warranty: 2 years</p>	1
8.	AGB008	Shaking water bath	<ul style="list-style-type: none"> <li>• Accurate temperature control</li> <li>• Stable and smooth shaking speed</li> <li>• Should have a drainage stopcock</li> <li>• Should be supplied with one set of clamps</li> <li>• PID controlled speed and temperature with LED digital display</li> <li>• Made with SS 304 stainless steel body with powder coating</li> <li>• Shaking should be of reciprocal motion</li> </ul> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• Temp. Range : Ambient +5°C to 100°C</li> <li>• Temp. Control / Display : PID / LED</li> <li>• Temp. Accuracy : ±0.1°C</li> <li>• Shaking Speed : 20 – 200 rpm</li> <li>• Shaking W : 0.5 – 1.5” (adjustable)</li> <li>• Volume : 38L</li> <li>• Heater : 1600W</li> <li>• Power Voltage : 110V/220V, 50 / 60Hz</li> </ul> <p>Suitable servo Stabilizer Warranty : 2 years</p>	1
9.	AGB009	CO <sub>2</sub> incubator	<p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>▪ Capacity: 180L</li> <li>▪ Water jacket: 36L</li> <li>▪ Controller : standard-digital PID controller (260x64 graphic LCD, Touch Button)</li> <li>▪ Inside material: SS plate 304</li> <li>▪ Outside material : epoxy powder coated steel plate</li> <li>▪ Shelf : perforated stainless shelves 4EA (total 10EA available)</li> <li>▪ Temperature range : ambient + 5 ~ 50deg. C</li> <li>▪ Temperature accuracy : +/- 0.1deg. C</li> <li>▪ Sensor type : PT 100Ω</li> <li>▪ Temperature control : forced convection (direct heating)</li> <li>▪ CO<sub>2</sub> range: 0-20%</li> <li>▪ CO<sub>2</sub> accuracy: +/- 0.1% at 5%</li> <li>▪ CO<sub>2</sub> sensor : dual beam <b>NDIR sensor</b></li> <li>▪ CO<sub>2</sub> inlet pressure : 0.2 Mpa 5L/min</li> <li>▪ Humidification : upto 95% RH at 37deg. C</li> </ul>	1

			<ul style="list-style-type: none"> <li>▪ Power : AC 220~230V, 50/60Hz, 1Phase</li> <li>▪ Power consumption : 880W</li> <li>▪ Safety : over heat protector, fuse installed noise filter</li> <li>▪ Coved inner corners</li> <li>▪ Should include CO2 Regulator along with the basic unit.</li> <li>▪ Should include a facility to create ambient working environment in the installed room (approx.. dimensions of the room is: 14'X16'X18')</li> <li>▪ Should include power backup facility for 6 hours</li> </ul> <p>Suitable Servo Stabilizer Warranty: 2 year</p>	
10.	AGB010	Rotatory sample mixer	<p><b>A. <u>Rocking and Orbital type</u></b> <b><u>FEATURES :</u></b></p> <ul style="list-style-type: none"> <li>• Continuous or timed operation with automatic switch-off</li> <li>• Variable shaking speed from 5 to 200rpm</li> <li>• Interchangeable / Stacking platforms, and accessories for a variety of vessels</li> <li>• 8 kg carry capability</li> <li>• 30 x 30 cm platform</li> </ul> <p><b><u>SPECIFICATIONS:</u></b></p> <ul style="list-style-type: none"> <li>• Motion : Rocking</li> <li>• Maximum Title Angle : 12°</li> <li>• Controller : Digital microprocessor controller</li> <li>• Speed / Inc : 5 ~ 100 rpm / 1 rpm</li> <li>• Carry capability : 8 kg</li> <li>• Timer : 1 ~ 9999 mins with alarm, continuous / 1 min</li> <li>• Motor : DC brushless type</li> <li>• Operation temperature : Ambient to 40°C</li> <li>• Platform Dimension : 26 x 26cm (W x L)</li> <li>• Platform material : painted aluminum alloy</li> <li>• Stacking platform : Yes</li> <li>• Construction : Frame retard PC and painted iron metal and bottom plates</li> <li>• Rate Voltage : 110V / 220V selectable</li> </ul> <p>Warranty: 2 years</p> <p><b>B. <u>Circular rotator with digital display</u></b></p> <ul style="list-style-type: none"> <li>• The rotator comes with a rotisserie type design</li> <li>• Digital control speed and allowing procedures to be accurate</li> <li>• LCD displays timer</li> <li>• End-over-end or rolling actionAdjustable speed range of 10 to 70rpm</li> <li>• Used with a wide variety of accessories</li> <li>• Continuous and timed quiet operation</li> </ul> <p>Warranty: 2 years</p>	1
11.	AGB011	Dry block heater	<ul style="list-style-type: none"> <li>• Should have LED display</li> <li>• Heating Power : 50W</li> <li>• Should be reasonably compact</li> <li>• Should have a Digital Microprocessor controller</li> <li>• The Heating Chamber should be Molded aluminium alloy coated with PTFE so that it can be used as water bath as and when necessary</li> <li>• Temp. Control Range : 5°C above ambient to 100°C</li> </ul>	1

			<ul style="list-style-type: none"> <li>• Temp. Increment : 0.1°C</li> <li>• Temp. Uniformity @37°C: ±0.20°C</li> <li>• Temp. Accuracy @37°C : ±0.25°C</li> <li>• Temp. Calibration : Yes</li> <li>• Timer : 1-9999 mins, continuous</li> <li>• Safety Device : Leakage proof for heating chamber over temperature protection</li> <li>• Operating temperature : ambient to 40°C</li> <li>• Special Feature : Used as water bath or bead bath</li> <li>• Block Material : Aluminum alloy</li> <li>• Rated voltage : 100-240V</li> <li>• Should include <ul style="list-style-type: none"> <li>•Block for 15ml tube, 6 Wells</li> <li>•Block for 50ml tube, 2 wells</li> <li>•Block for 2.0ml or 1.5ml tube, 12 wells</li> <li>•Block for 0.2ml tubes</li> </ul> </li> </ul> <p>Warranty : 2 years</p>	
12.	AGB012	-86°C Freezer	<p><b>Features :</b></p> <p><b>Control System:</b></p> <ul style="list-style-type: none"> <li>• Two chambered</li> <li>• Independent controllers for each chamber on each door.</li> <li>• 7inch touch screen controller, -40°C~-86°Cadjustable, controlling precision is 1°C.</li> <li>• Keyboard lock and password protected configuration page, Delayed start and safe stop interval between restart and being terminated.</li> <li>• Audible and visual alarm: High or low temperature alarm, Power failure alarm, Low battery alarm, Door open alarm, Filter blocking alarm, system failure alarm</li> </ul> <p><b>Structure Design:</b></p> <ul style="list-style-type: none"> <li>• Stainless steel interior, Outer is painted steel panel, 4units Casters for easy handing</li> <li>• Front opening lockable door with new indigenous handle, easy open and close. Vacuum release port</li> <li>• Adjustable stainless steel shelves with inner insulation doors, double silicon gasket seal.</li> <li>• Two-times foaming technology. 120mm foaming insulation, with VIP insulation board. With USB store functions.</li> <li>• Optional: Chart recorder, CO2 back up system, storage racks/boxes, Remote alarm system.</li> </ul> <p><b>Refrigeration System:</b></p> <ul style="list-style-type: none"> <li>• Imported compressor</li> <li>• Low noise</li> <li>• Less power consumption</li> <li>• Electromotor fan</li> <li>• Single stage refrigeration design</li> </ul> <p><b>Technical Specifications:</b></p> <ul style="list-style-type: none"> <li>• Capacity : minimum 650 lts</li> <li>• Temp. Range: -10 to -86deg. C</li> <li>• Input power : 1550W</li> </ul>	1



			<ul style="list-style-type: none"> <li>Should include a facility to create ambient working environment in the installed room (approx.. dimensions of the room is: 14'X16'X18')</li> <li>Suitable servo Voltage Stabilizer</li> </ul> Warranty: 2 years	
13.	AGB013	Steel Laboratory storage Almahrah	<ul style="list-style-type: none"> <li>MS Powder coated</li> <li>Good quality stain less steel interior</li> <li>78"X36"X18" dimensions (H X L X W)</li> <li>Front glass door frame</li> <li>Purpose: storage of chemicals</li> </ul>	2
14.	AGB014	Laptop with external storage capacity	<p>Basic Information Should come with macOS Sierra</p> <p><u>display</u> Resolution 2880x1800 display size (in inches) 15.4 display technology: LED-backlit display with IPS technology</p> <p><u>Connectivity</u> wireless connectivity: WiFi/Bluetooth USB 3.1 Gen 2VGA and HDMI</p> <p>Other features Ambient light sensor and Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks accelerators pressure-sensitive drawing and Multi-Touch gestures keyboard 720p FaceTime HD camera</p> <p><u>memory</u> 16 GB LPDDR3 RAM ram speed (in mhz) 2133</p> <p><u>Processor</u> Intel Core i7 with clock speed 2.8GHz, quad-core</p> <p><u>graphics processor</u> Intel HD Graphics 630</p> <p><u>storage</u> hard drive type PCIe-based on board SSD hard drive capacity: 512 TB</p> <p>Power battery backup (in hours): 10 battery type: 76.0-watt-hour lithium-polymer battery power supply: 87W USB-C Power Adapter</p> <p>sound speakers Stereo speakers with high dynamic range</p> <p><u>Should include-</u> 2X1TB compatible external HDD Compatible laser printer, scanner and copier</p> Warranty: 3 years	1
15.	AGB015	DELL PowerEdge R930 server*	Dell Power EDGE R730: Intel Xeon E5-2630L v3 1.8GHz, 20M Cache, 8.00GT/s QPI, Turbo, HT, 8C/16T (55W) Dell EMC QSYNC Bezel for PowerEdge R730 Chassis with up to 8, 2.5" Hard Drives <b>2 X16GB</b> RDIMM (Expandable up to 64GB in future), 2400MT/s, Dual Rank, x8 Data	1

			<p><b>6X600GB</b> 10K RPM SAS 2.5in Hot-plug Hard Drive  RAID Controllers- Internal PERC H730P (factory configured)  DVD+/-RW, SATA, Internal  Dual, Hot-plug, Redundant Power Supply 750 WATTS  <u>Software for Server required</u>  a. Red hat Enterprise Linux 7.4 server as operating System  b. Data Base - My SQL 2017  c. Cute FTP for Linux or Filezilla  d. Any server Anti virus software subscription  e. Firewall for server protection  f. Static IP-2 numbers  g. Remote Desktop software installation (RDP)  h. Wordpress Installation 4.9.1  i. Any control panel for Linux hosting management  g. DNS/ MX records setup  h. Email server software- Zimbra or open-Xchange or similar  i. Email filtering- Proofpoint or mailscanner or similar  <u>Others software</u>  a. Adobe (Full pack i/c Photoshop, Flash, Acrobat reader/writer)  Warranty: 1 year</p>	
16.	AGB016	Bench top pH meter	<ul style="list-style-type: none"> <li>• Should have digital display</li> <li>• pH range should be -2.00 to 16.00 with a resolution of 0.01 p, accuracy of <math>\pm 0.01</math> pH</li> <li>• Should include at least 5 calibration points</li> <li>• Should include Buffer Sets USA (1.68, 4.01, 7.00, 10.01, 12.45), NIST (1.68, 4.01, 6.86, 9.18, 12.45)</li> <li>• The oxidation reduction potential (ORP) detection should be in the range of <math>\pm 2000</math> mV and the relative mV Range <math>\pm 2000</math> mV with resolution of 0.1 mV (<math>\pm 199.9</math> mV) / 1 mV (beyond) and accuracy of <math>\pm 0.2</math> mV (<math>\pm 199.9</math> mV) / <math>\pm 2</math> mV (beyond)</li> <li>• The temperature parameter of the pH meter should be as follows:  Range (Meter) 0.0 to 100.0 °C / 32.0 to 212.0 °F  Accuracy <math>\pm 0.3</math> °C / <math>\pm 0.5</math> °F (0 to 70 °C)  Compensation ATC / MTC (0 to 100 °C) (pH only)  Calibration Offset in 0.1 °increments;  offset range: <math>\pm 5.0</math> °C / <math>\pm 9.0</math> °F  Power Requirements 9 V DC adapter, 1.3 A (100/240 VAC, SMPS)  Warranty: 2 year</li> </ul>	1
17.	AGB017	Gel documentation system	<p>The gel documentation system should be useful for</p> <ul style="list-style-type: none"> <li>• DNA Gels</li> <li>• Protein Gels (fluorescent dyes)</li> <li>• Protein Gels (colorimetric)</li> </ul> <p>It should be able to detect following dyes and stains</p> <ul style="list-style-type: none"> <li>• UV-excitable Fluorescence</li> <li>• Blue-excitable Fluorescence</li> <li>• Colorimetric/ Absorbance</li> </ul> <p>It should have following Excitation Sources</p> <ul style="list-style-type: none"> <li>• Trans-UV Illumination (302 nm)</li> <li>• Trans-UV Illumination (365 nm)</li> <li>• EPI-white Illumination</li> </ul>	1

			<ul style="list-style-type: none"> <li>EPI-blue Illumination</li> </ul> <p>The Emission Filters should be</p> <ul style="list-style-type: none"> <li>Orange (590 nm)</li> <li>Red (670 nm) - Optional</li> <li>Green (572 nm) - Optional</li> <li>Blue (498 nm) – Optional</li> </ul> <p>Other System Specifications should include</p> <ul style="list-style-type: none"> <li>Camera Resolution of 5 MP</li> <li>Fixed lens</li> <li>Filter Wheel : 3-position</li> <li>Integrated Computer or Tablet</li> <li>Image Capture and basic analysis Software</li> <li>Field of View : 24.0 x 20.0 cm (at least)</li> <li>Footprint (W-D-H) : 35.6 x 31.8 x 63.5 cm (at least)</li> <li>The system should include a ink tank colour printer</li> <li>Should include a facility to create ambient working environment in the installed room (approx.. dimensions of the room is: 14'X16'X18')</li> <li>Suitable Voltage Stabilizer 5 KVA</li> </ul> <p>Warranty: 1 year</p>	
18.	AGB018	Hot air oven	<ul style="list-style-type: none"> <li>Capacity: 50 Ltrs</li> <li>Double walled construction with inner SS304 and outer MS powder coated surface</li> <li>Digital LED display of temp. ambient +5<sup>o</sup>C to 250<sup>o</sup>C with accuracy of ±1<sup>o</sup>C</li> <li>2" thick PUF insulation</li> <li>Good quality heating element</li> <li>Temperature control by means of electronic digital PID controller cum indicator</li> <li>Power voltage: 220V 50/60 Hz</li> <li>Warranty: 2 year</li> </ul>	1
19.	AGB019	Refrigerator	<ul style="list-style-type: none"> <li>Of reputed brand</li> <li>Minimum 300 liters capacity</li> <li>The temperature should range 2-8<sup>o</sup>C</li> <li>Standard warranty of 3 years</li> <li>Double Door</li> <li>Suitable Voltage Stabilizer</li> <li>Warranty: 2 years</li> </ul>	1
20.	AGB020	Ice flaker	<ul style="list-style-type: none"> <li>Ice Making Capacity : 20kg / 24hr (Minimum)</li> <li>Ice Storage capacity : 10kg (Minimum)</li> <li>Ice Shape : small particles of irregular snow ice</li> <li>Input current : 180W</li> <li>Refrigeration type : air cooling</li> <li>Power supply : AC 220V +/- 10%, 50/60Hz; 110V +/- 10%, 60Hz</li> <li>Tank shell : Stainless steel</li> <li>Compressor / Refrigerant : high efficient and fluorine free/R134a</li> </ul> <p>Suitable servo Voltage Stabilizer</p> <p>Warranty: 2 year</p>	1
21.	AGB021	Gel electrophoresis unit with power	<p><b><u>A. Tank 1 SPECIFICATIONS :</u></b></p> <ul style="list-style-type: none"> <li>Gel dimension : 100 x 70mm (WxL)100 x 100mm</li> </ul>	1

		pack and spare tank	<ul style="list-style-type: none"> <li>• Buffer volume : not more than 300ml</li> <li>• Construction : durable with leak proof environment, for complete safety and long life</li> </ul> <p>Cassette type electrodes : should be made of 99.99% corrosion resistant pure platinum</p> <ul style="list-style-type: none"> <li>• Electrical Safety : Lid can be located in one way only on removal, power is disconnected from buffer chamber</li> </ul> <p>Rapid casting gel : use casting dams</p> <p><b>B. Tank 2 specifications</b></p> <ul style="list-style-type: none"> <li>• Gel dimension : 200 x 250 mm ( WxL)</li> <li>• Buffer volume : maximum 1200ml</li> <li>• Construction : durable with leak proof environment, for complete safety and long life</li> </ul> <p>Cassette type electrodes : should be made of 99.99% corrosion resistant pure platinum</p> <ul style="list-style-type: none"> <li>• Electrical Safety : Lid can be located in one way only on removal, power is disconnected from buffer chamber</li> </ul> <p>Rapid casting gel : use casting dams</p> <p><b>C. Powerpack specifications</b></p> <ul style="list-style-type: none"> <li>• Out put Voltage/ Inc : 300V</li> <li>• Output Current/ Inc : 1~700mA</li> <li>• Out put Watt/ Inc : 150W</li> <li>• Operating constants : Voltage or current</li> <li>• Control : Microprocessor controller</li> <li>• Terminator Pairs : 4 Pairs</li> <li>• Timer : 1~ 999 mins with alarm, continuous</li> <li>• Pause function : Yes</li> <li>• Safety Device : No load detection, leakage, detection, sudden load, change detection over temperature protection, overload detection, shrouded plug and sockets</li> <li>• Crossover : Yes</li> <li>• Operating Temp. : Ambient to 40o C</li> <li>• Construction : Frame retard ABS plates and aluminum</li> <li>• Rated voltages : 100 – 240V</li> <li>• should be Stackable</li> </ul> <p>Should include a UV- mask and UV-torch Warranty: 2 Year</p>	
22.	AGB022	Storage racks	<ul style="list-style-type: none"> <li>• MS Powder coated</li> <li>• Goo quality stain less steel interior</li> <li>• 78”X36”X18” dimensions (H X L X W)</li> <li>• Purpose: storage of documets</li> </ul>	2
23.	AGB023	PCR workstation	<p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>• External size: 800x705x1770mm (W x D x H) internal size: 700x595x560mm (W x D x H)</li> <li>• Work surface height: 750mm</li> </ul> <p>Material:</p> <ul style="list-style-type: none"> <li>• Main body : cold-rolled steel with anti-bacteria powder coating</li> <li>• Work table : 304 stainless steel</li> <li>• Front &amp; side windows : 5mm toughened glass, anti-UV, motorized</li> </ul>	1

			<ul style="list-style-type: none"> <li>• Max opening : 32nm</li> <li>• Pre-filter : polyester fiber, washable</li> <li>• HEPA filter : 99.999% efficiency at 0.3um</li> <li>• Air flow velocity : 0.3 – 0.5m/s, speed adjustable</li> <li>• Noise : &lt; 60dB</li> <li>• UV lamp : 20Wx2; emission of 253.7 nanometers, with UV timer</li> <li>• Fluorescent lamp : 40W x 1</li> <li>• Illumination : &gt; 1000Lux</li> <li>• Shelf with IV bar: stainless steel, 502x150x50mm (W x D x H)</li> <li>• Caster : universal caster with leveling feet</li> <li>• Consumption : 300W</li> <li>• Waterproof socket : two, total load &lt; 500W</li> <li>• Power supply: AC 220V +/- 10%, 50/60Hz; 110V +/- 10% 60Hz</li> <li>• Standard accessory: UV lamp-3, fluorescent lamp, waterproof socket-2, shelf</li> </ul> <p>A set of pipettes should be supplied along with for ranges 0.2 to 2µl, 2-20µl, 20-200µl, 100-1000µl. The pipettes should be of light weight, and function with soft spring system for ease of usage, controlled volume setting feasibility in order to prevent accidental volume changes, 3 position tip ejector button, should be able to be calibrated easily (should include a calibration key), should function with high accuracy and precision, UV resistant even after prolonged exposure and fully autoclavable.</p> <p>Warranty of the Workstation: 3 years Warranty of the pipettes: 2 years</p>	
24.	AGB024	Compound microscope with LCD tablet display and camera	<p><b>Specification:</b></p> <ul style="list-style-type: none"> <li>▪ <b>Stand:</b> Single mold sturdy stand with anti rust materials, Extended base with hand rests for enhanced stability and comfort.</li> <li>▪ <b>Viewing bodies:</b> Sidentopf <b>Trinocular</b> tube, <b>30° inclined</b>, 360° rotatable, Inter papillary distance 48-75mm.</li> <li>▪ <b>Eye piece:</b> Wide field focusable paired eyepiece WF10x/20mm with foldable eye guard, anti-fungus coating.</li> <li>▪ <b>Nosepiece:</b> Reverse angle quadruple nosepiece (Ball bearing type) with click stops and rubber grip, anti-fungus coating.</li> <li>▪ <b>Objectives:</b> RP series DIN Infinity Corrected Plan Achromatic Objectives 4x, 10x, 40x(spring loaded), 100x (spring loaded, oil)</li> <li>▪ <b>Mechanical stage:</b> Rockless X axis, double plate mechanical stage size 200 x 160mm, X/Y travel range 78mm x 54mm, Low drives movement controls. Hard coated surface for scratch resistance.</li> <li>▪ <b>Condenser:</b> Sub stage centerable Abbe condenser NA 1.25 with aspheric lens and Iris diaphragm. Rack and pinion movements on stainless steel guides. Day light blue filter provided.</li> <li>▪ <b>Focusing:</b> Coaxial coarse and fine focusing on ball drive system for smooth operation.</li> <li>▪ <b>Illumination:</b> <b>Halogen 6V-20W</b> illumination with variable</li> </ul>	1

			<p>illumination control. Up to 2,000 hours of Halogen lamplife</p> <ul style="list-style-type: none"> <li>▪ <b>Electrical:</b> Input 220V - 240V AC</li> <li>▪ Packed in Styrofoam box with operation manual, dust cover, leaning Cloth, power cord</li> <li>▪ Should include high definition 5MP HDMI camera</li> <li>▪ should include Wifi SD Memory card and mouse for computer free operation .</li> <li>▪ should be able to work with live view and should come with live measurements on HDMI screen without PC and can also be connected to PC for simultaneous operation that has all in one camera HDMI + USB + SD Card. The camera is attached to a 12" HD monitor. <ul style="list-style-type: none"> <li>• Suitable Voltage Stabilizer</li> <li>• Warranty:2 years</li> </ul> </li> </ul>	
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**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 me/us 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.		Declaration Form (Annexure II)
3.		Manufacturing License / Authorization letter from the Manufacturing firm
4.		Earnest Money Deposit
5.		PAN card
6.		VAT/Sales Tax Clearance Certificate, payment particulars for preceding three years along with supporting Documents. (2015-16 and 2016-17)
7.		Annual Turnover Assessment order for the preceding two years (2015-16 and 2016-17)certified by Commercial Tax Officer / Chartered Account
8.		Copies of balance Sheet, Profit and loss Account for last two years i.e. (2015-16 and 2016-17) duly certified by the Auditor
9.		Copy of GST registration certificate
10.		Latest Non-Conviction Certificate (In Original) If applicable
11.		Users list for each of the item/ equipment quoted during past 4 years
12.		BIS / ISO/ CE issued by the Competent Authority for each of the equipment. A valid reason should be shown if not applicable.
13.		APSSIDC/NSIDC Certificate, if applicable
14.		Government Ownership Certificate of the firm, If applicable
15.		<b>List of service centers with contact details for each of the equipment or group of equipment</b>



**ANNEXURE – IV**

**FINANCIAL BID**

**(Not to be included with the technical bid either online or offline)**

I/We quote the rates FOR, NTR COLLEGE OF VETERINARY SCIENCE, GANNAVARAM inclusive of all taxes, duties, transportation, insurance, installation etc., as below.

SI 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 equipment 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.