

Dean, Faculty of Phone
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 Khanapara Assam Website www.vetbifguwahati.ernet.in
 Agricultural
 University
 Khanapara,
 Guwahati-
 781022
 Assam, India



Stores & Purchase

NIQ Ref.: AAU/CVSc/ICAR-Dev/13-14/

Date :

OFFICE OF THE DEAN, FACULTY OF VETERINARY SCIENCE
 ASSAM AGRICULTURAL UNIVERSITY, KHANAPARA, GUWAHATI-22

NOTICE FOR QUOTATION

Sealed quotations are invited separately from reputed manufacturer/authorized dealer/suppliers for supply of various items under package-I to V to the Faculty of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati-781 022. The quotation/quotations will be received at the office of the undersigned up to **25th October' 2013 (Last date of receipt of the Quotation)**.

Details of the items under each package along with the terms & conditions and specifications may be collected from the office of the undersigned during office hours after 3 days of the publication of this advertisement on payment of Rs. 300.00(For each package) for the list of items under package I to V in the form of Bank Draft drawn in favour of the **Dean, Faculty of Veterinary Science, AAU, Khanapara, Guwahati-22**. The list of items can also be down loaded from web site www.vetbifguwahati.ernet.in.

Package - I : Equipments
 Package -II : Printing of "VETCOL".
 Package - III : Sports Goods.
 Package -IV : Utensil.
 Package - V : Stationery items. .

Sd/-
 Dean,
F.V.Sc., AAU, Khanapara.

Memo No. AAU/CVSc/ICAR Dev/13-14/ 6257-76

Dtd. 26.09.2013

Copy forwarded for information and necessary action to :-

1. The Comptroller, Assam Agricultural University, Jorhat – 13.
2. All Head of the Departments, C.V.Sc., AAU, Khanapara.

3. The Registrar/Director of Extension Education/Director of Research/Director of Research(Vety)/Director of Physical Plant/Director of PG Studies/Director of Students Welfare/Director of Clinics/Chief Librarian/Assoc. Director of Extension Education /Assoc. Director of Students Welfare/Dy. Registrar(Acad)/Dy. Comptroller, Jorhat/ Khanapara. They are requested to display the NIT' in their notice board.
4. Coordinator, Bioinformatics Centre, with a request to post the detail advertisement in web site www.vetbifguwahati.ernet.in.
5. The Advertising Manager, The Assam Tribune, Chandmari, Guwahati-781 003 and The Times of India (North East Edition) with a request to publish the above advertisement in minimum size and space in one issue urgently and submit the bill in quadruplicate along with the paper cut for payments.(They are requested to submit the bills in triplicate to the undersigned within 15 days from the date of publishing the tender notice.)
6. The Director General of Commercial Intelligence & Statistics, 1, Council House Street, Kolkata-700001. He is requested to publish the above quotation notice one time and submit the bills in triplicate to the undersigned for payment.
7. Notice Board, Dean's Office, FVSc, AAU, Khanapara.
8. Office copy.

Sd/-
Dean,
F.V.Sc., AAU, Khanapara.

GENERAL TERMS AND CONDITIONS:

1. Any item offered/quoted should conform to the technical specifications desired by the purchaser. Quotations for items beyond the scope of the technical specification asked for shall not be entertained.
2. The compliance statement (technical specification desired and offered) alongwith separate sheet of Terms & Conditions should invariably accompany the quotation both as 'hard copy' and 'soft copy' typed in MS word in A4 size paper in landscape orientation (Font size 12, Times New Roman) in the prescribed format (Annexure-I & II), without which the quotation shall not be considered.
3. In case the tender document is downloaded from the website, the bidder shall have to deposit Rs. 300.00 in the form of Bank Draft drawn in favour of Dean, Faculty of Veterinary Science, AAU, Khanapara, Guwahati-22.

INSTRUCTION TO BIDDERS

1. All Quotations should mention in the cover of the Envelope distinctly the Package No., Name of the Item, Item No., NIQ Ref. No., Bidder's Name & Address, Contact No. etc. as shown below:-

PACKAGE

**QUOTATION FOR SUPPLY OF(Item name & No.) FOR THE FVSc., AAU,
KHANAPARA, GUWAHATI**

**NIQ REF NO. (NIQ Ref. No.....), DATED....., LAST DATE FOR
SUBMISSION.**

**To,
The Dean,
Faculty of Veterinary Science
Assam Agricultural University
Khanapara, Guwahati- 781022
Assam, India**

From: M/s _____

Contact No.: _____

Email ID: _____

2. In case of Package I to V standard Technical literature preferably printed & supplied by manufacturer concern on each of the items offered.
3. Dealership certificate on the offered products in case of dealer/s.
4. List of reputed organizations/Institutions, where similar orders have been executed (copies of the purchase/work orders will have to be enclosed).
5. Up-to-date Sales Tax clearance certificate (*for vendors outside the State of Assam*)/VAT Registration Certificate indicating also the TIN number (*for vendors from within the State of Assam*) of the firm will have to accompany the quotation to be submitted.
6. In case the offered price is inclusive of all taxes, **the tax components in details should be shown separately.**
7. **Earnest money should be shown in details in the forwarding letter.**

8. Details of nature and maximum period of **warranty** offered by the Bidder/Vendor.
9. After Sales Service: The name & address of the nearest available authorized service centre to CVSc., AAU, Guwahati, should be stated in the quotation.
10. NOTE: The bid documents are not transferable and the firm's seal and signature of the authorized official must appear on all the papers and envelopes submitted.
11. At the time of delivery/Installation the supplier should stick a Sticker in a suitable side of the instrument/Machine indicating the following:-
 - The name of the company/supplier:-
 - Date of Delivery:-
 - Department/Office:-
 - Date of Installation:-
 - Expiry date of warranty period as per tender:-
 - Date of start for AMC:-
 - Contact No.:

Sd/-
Dean,
FVSc., AAU, Khanapara,
Guwahati-22

PACKAGE – I

TERMS & CONDITIONS:

(Please note the term 'both foreign & indigenous' wherever mentioned, means the term is applicable to both foreign & indigenous purchase)

01. Rates: Rates quoted for indigenous items must be on FOR Faculty of Veterinary Science, Assam Agricultural University, Khanapara, Guwahati- 781022, on DOOR DELIVERY Basis, with break-ups as per details below (For import items please refer 'Additional Terms for imported goods' below).

Break-ups of cost:

- (a) Basic Price
- (b) (+) Central Excise Duty, if any
- (c) (+) VAT/ Central Sales Tax (On Sub-Total Price, including Excise Duty, if any)
- (d) (+) Freight & Insurance Charge, if any
- (e) (+) Installation & Commissioning Charge, if any
- (f) Grand Total F.O.R. CVSc., AAU, Guwahati, Price

Note: Vague terms like "packing, forwarding, transportation etc. extra" without mentioning the specific amount will not be accepted. Such offers shall be treated as incomplete and rejected. Bidders shall indicate their rates in clear/visible figures as well as in words and shall not alter/overwrite/make cutting in the quotation. In case of a mismatch, the rates written in words will prevail.

02. Validity (Both foreign & indigenous): Quoted rates must be valid for minimum 120 days.

03. Earnest Money (Both foreign & indigenous):

All firms are required to submit Earnest Money along with the Quotation. The EMD of unsuccessful bidders shall be returned after award of contract. All tenders received without EMD shall be summarily rejected.

Refundable earnest money deposit, amounting to minimum 2.5% of the total quoted value (rounded off to the nearest thousand rupees) through Demand Draft or Fixed Deposit drawn in favour of Dean, Faculty of Veterinary Science, Assam Agricultural University,

Khanapara, Guwahati- 781022, Assam, India payable at Guwahati, will have to accompany all quotations to be submitted. Quotations submitted without appropriate amount of earnest money are likely to be rejected.

Earnest money deposit will not bear any interest, and have to be in the form of demand draft only.

04. PENALTY FOR DELAYED DELIVERY (for both foreign & indigenous):

In case of supply order for the SCIENTIFIC EQUIPMENTS/ APPARATUS, the date of delivery should be strictly adhered to. In the event of delayed delivery, installation & commissioning i.e. after the expiry of the period as agreed by both the parties, the vendor shall be liable for a penalty deduction at a percentage of the value of the undelivered equipment subject to a maximum of 10% (ten percent) as detailed below:

@1% up to one week;

@2.5% up to two weeks;

@5% up to three weeks;

@10% for four weeks and above

For the purpose of this clause, part of the week is considered as a full week. In case of delayed delivery, the Chairman, Purchase committee, CVSc., AAU, Khanapara, Guwahati reserves the right not to accept the subject consignment.

05. IN CASE OF INDIGENOUS SUPPLIES, the goods should be insured against theft, loss or breakage during transit and insurance charges should not exceed 1% of the cost of material supplied, the rates of Sales Tax, Excise Duty etc. (as applicable) should be clearly indicated.

07. PRE-INSTALLATION REQUISITES (Both foreign & indigenous):

Pre-installation requisites (electrical/floor/space/air-conditioning etc.), if any should invariably be mentioned clearly. Installation/ Training will be the full responsibility of the supplier/ Indian Agent.

08. GENUINE PRICING (Both foreign & indigenous):

Vendor is to ensure that quoted price is not more than the price offered to any other customer in India to whom this particular item has been sold, particularly to other SAU/ IIT/ICAR Institutes and other Government Organization. Copy of the latest price list for the quoted item, applicable in India, must be enclosed with your offer.

09. EXCISE DUTY: The Institute is exempted from payment of Customs vide Govt. Notification No. 51/96-Customs, dated 23.07.1996 and /Central Excise Duty exemption in term of Govt. Notification No. 10/97-Central Excise dtd. 01.03.1997 with Regn.No. TU/V/RG-CDE (500)/2012, dated 14.09.2012.

10. VAT: For a vendor within the State of Assam, appropriate VAT (to be deducted at source) will be applicable. For exemption from Octroi, wherever required, the Institute will issue necessary certificates.

11. Entry Tax: Assam Govt. Entry Tax – [To be paid by CVSc, Khanapara, Guwahati, not by the vendor], wherever applicable, will be added while evaluating cost status of the concerned equipment to be supplied by vendors from outside the State of Assam.

12. DELIVERY:

(a) Delivery of goods at CVSc, Khanapara, Guwahati, will have to be maximum within 45(Forty-five) days from the date of issue of the Purchase Order.

(b) **SAFE DELIVERY OF GOODS:** All aspects of safe delivery shall be the exclusive responsibility of the vendor. At the destination site, the cartons will be opened only in the presence of CVSc, Khanapara, Guwahati user/representative and vendor's representative and the intact position of the seal for not being tampered with, shall form the basis for certifying the receipt in good condition.

(c) **NO PART DELIVERY:** Part shipment will not be allowed.

13. Mode of Payment for Indigenous Purchase (For import items please refer 'Additional Terms for imported goods'):

(1) Payment for Indigenous Purchases will be maximum within 45 days from the date of successful delivery and installation of goods at FVSc., AAU, Khanapara Guwahati, generally through A/c payee cheque. In case payment is to be made by DD, the Draft commission will be deducted from the bill amount.

Note: Please note as per Institute's norm advance payment is not allowed for any purchase.

14. The offers (Both foreign & indigenous) submitted by telex/ telegram/ fax/ E-mail etc. shall not be considered. No correspondence will be entertained on this matter.

15. Late and delayed tender (Both foreign & indigenous):

Late and delayed tender will not be considered. In case any unscheduled holiday occurs on prescribed closing the next working day shall be the prescribed date of closing.

16. Conditional tenders not acceptable (Both foreign & indigenous): Conditional tenders shall not be accepted on any ground and shall be rejected straightway. In other word, printed conditions mentioned in the tender bids submitted by vendors will not be binding on CVSc, AAU, Khanapara. All the terms and conditions for the supply, payment terms, penalty etc. will be as those mentioned herein and no change in the terms and conditions by the vendors will be acceptable.

17. Specifications are basic essence of the product (Both foreign & indigenous): It must be ensured that the offers are strictly as per our specifications. At the same time it must also be kept in mind that merely copying our specifications in their quotation shall not make firms eligible for consideration. A quotation has to be supported with the printed technical leaflet/literature (wherever applicable) and the specifications mentioned in the quotation must be reflected/ supported by such printed technical leaflet/literature model quoted/tendered specifications should invariably be highlighted in the leaflet/literature for easy reference.

18. Enquiry during the course of evaluation not allowed (Both foreign & indigenous): No enquiry shall be made by the bidder(s) during the course of evaluation of the tender till final decision is conveyed to the successful bidder(s). However, the Committee/its authorized representative and office of CVSc., AAU, Khanapara, GUWAHATI can make any enquiry/seek clarification from the bidders. In such a situation, the agency shall extend full co-operation. The bidders can also be asked to arrange demo of the offered items, in a short period notice, as such the bidders have to be ready for the same.

19. The acceptance of the quotation(Both foreign & indigenous) will rest solely with the Dean, FVSc., AAU, Khanapara, Guwahati, who in the interest of the Institute is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

20. Force Majeure (Both foreign & indigenous): If the performance of the obligation of either party is rendered commercially impossible by any of the events hereafter mentioned that party shall be under no obligation to perform the agreement under order after giving notice of 15 days from the date of such an event in writing to the other party, and the events referred to are as follows: (I) any law, statute or ordinance, order action or regulations of the Government of India. (II) Any kind of natural disaster and (III) Strikes acts of the Public enemy, war, insurrections, riots, lockouts, sabotage.

21. Termination for default (Both foreign & indigenous): Default is said to have occurred:-

- If the supplier fails to deliver any or all of the services within the time period(s) specified in the purchase order or any extension thereof granted by FVSc., AAU, Khanapara, Guwahati

- If the supplier fails to perform any other obligation(s) under the contract. If the vendor, in either of the above circumstances, does not take remedial steps within a period of 30 days after receipt of the default notice from FVSc., AAU, Khanapara, Guwahati (or takes longer period in spite of what FVSc., AAU, Khanapara, Guwahati may authorize in writing), FVSc., AAU, Khanapara, Guwahati, may terminate the contract/ purchase order in whole or in part

and forfeit the EMD as applicable. In addition to above, FVSc., AAU, Khanapara, Guwahati, may at its discretion also take the following actions:

FVSc., AAU, Khanapara, Guwahati, may procure, upon such terms and in such manner, as it deems appropriate, goods similar to the undelivered items/products and the defaulting supplier shall be liable to compensate FVSc., AAU, Khanapara, Guwahati, for any extra expenditure involved towards goods and services obtained.

22. Applicable Law (Both foreign & indigenous):

(a) The contract shall be governed by the laws and procedures established by Govt. of India and subject to exclusive jurisdiction of Competent Court and Forum in Guwahati, India only.

(b) Any dispute arising out of this purchase shall be referred to the Dean FVSc., AAU, Khanapara, Guwahati, and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to the decision of an Arbitrator, who should be acceptable to both the parties, to be appointed by the Dean, FVSc., AAU, Khanapara, Guwahati,. The decision of such Arbitrator shall be final and binding on both the parties.

23. ADDITIONAL TERMS FOR IMPORTED GOODS

Following terms besides the fore mentioned terms will be applicable in case of foreign purchases:

All Items including for imported items, the code should be strictly F.O.R., Khanapara, Guwahati Campus of the University. Logistic expenditures towards Customs Duty, Clearing Charges, Transportation cost etc. should be included in the rate and shown separately.

► In case of Irrevocable Letter of Credit the following points should maintain strictly:-

i) MAWB No. & HAWB No. & Forwarder's Name (To Whom Release order should be issued by the negotiating bank) should immediately informed by the Principal through Fax to the Buyer 10 (ten) days before dispatch of the equipment.

ii) Bank Charges outside India, if required, will have to be borne by the Manufacturer/Principal.

24. Rates: Quoted rates should be in CIF/CIP Kolkata terms and charges to be stated in the following break-ups:

(a) Ex-works value

(b) + Documentation & Handling Charge, if any

(c) + Estimated Overseas Freight to be paid at actual against authentic documents and monetary receipt

(d) + Estimated Overseas Insurance Charge to be paid at actual against authentic documents and monetary receipt (In case the firm holds open insurance policy, the Insurance Certificate relating to the consignment will have to be provided).

(e) Total CIP/CIF Kolkata value.

25. After Sales Service: In case of imported items, foreign manufacturing firms should indicate facilities available for after sales service, detail address and contact number of their local representative in India without which their offers are liable to be ignored.

26. Delivery:

(a) Delivery of goods at FVSc., AAU, Khanapara, Guwahati,, will have to be maximum within 95(ninety-five) days from the date of issue of the Purchase Order.

(b) Delivery at Kolkata Airport only: As we do not have clearing agent in any other Airport/Seaport, delivery is to be made only at Kolkata.

(c) While transshipment will be allowed, part shipment will not be allowed.

27. Payment:

(a). Above \$10,000.00: By an irrevocable letter of Credit at CIF/CIP Kolkata value negotiable through any overseas branch of State Bank of India/ with unrestricted provision.

(b) Below \$10,000.00 by FDD as given below:

(i) 100% Payment Basis: On request by the supplier/s 100% payment by FDD will be made. In this case on receipt of your Order Acknowledgement an FDD will be established for total

ordered value, thereupon, a Xerox copy of the FDD will be sent to you which will enable you to send the materials. On satisfactory receipt and acceptance of the materials or satisfactory installation and commission of the equipment the Original FDD will be sent to you.

Note: Please note FDD/LC will not be opened unless and until Letter of Acknowledgement in original is received at FVSc., AAU, Khanapara, Guwahati, directly from the principal (Even in case of firms having subsidiary office in India). The Indian agents are therefore advised to submit quotation after consultation with their respective principals).

28. Customs Duty: The Institute is generally exempted from payment of Customs Duty vide GOI Notification No.51/96-Customs, dated 23.07.96, with Regn. No. TU/V/RG-CDE (500)/2012, dated 14.09.2012. [CUSTOMS DUTY EXEMPTION CERTIFICATE WILL BE MADE AVAILABLE BY THE INSTITUTE IN REGARD TO QUOTES IN FOREIGN CURRENCY ONLY [NOT AGAINST QUOTES MADE BY A FIRM IN INDIAN CURRENCY, UNLESS THE CONCERNED FIRM IS A FOREIGN HOLDING COMPANY WITH 'FDI' CERTIFICATE ISSUED BY THE MINISTRY OF FINANCE, GOVT. OF INDIA].

29. Agency Commission: The percentage of ex-works value to be paid to Indian agent in equivalent to Indian currency as agency commission as applicable will have to be clearly stated in the quotation wherever applicable.

30. Country of Origin: While Country of Origin Certificate will not be insisted, the same however will have to be stated in the Original Invoice for payment through LoC.

31. LoC Amendment: LoC/FDD amendment charges due to mistake on the part of the supplier, if any, will have to be borne by the supplier.

Sd/-
Dean,
Faculty of Vety. Science
Assam Agricultural University
Khanapara, Guwahati-22

PACKAGE- II (PRINTING OF 'VETCOL')

TERMS AND CONDITION

- 1) The rate for each items should be quote/clearly and legibly. For all other terms & Conditions please see instruction to bidder.

Sd/-
Dean,
FVSc., AAU, Khanapara,
Guwahati-22

TERMS & CONDITIONS

For

PACKAGE – III , IV& V

Quotation for establishing Rate Contract for supply of Package - III: Sports Goods.
Package -IV: Utensil & Package -V: Stationery items. in single bid system is hereby invited.

Bid Instructions:

- i) Detailed desired Specifications of the Items are as given in **PACKAGE –III, IV&V**
- ii) Quotations are to be submitted as per Format provided at **ANNEXURE – I**
- i) **Samples must be submitted in the box containing samples for Stationary Items. The box must be marked with name of the supplier and NIQ reference.**

Terms & Conditions:

01. **Address** of the firms submitting the quotation and the Officer, to whom the quotation is addressed, must appear distinctly on the sealed cover. Further, on the outside of the sealed cover, the following are to be written:
e.g. QUOTATION FOR SUPPLY OF STATIONERY [Plastic water bucket, Duplicating paper ETC.] - NIQ NO. AAU/CVSc/ICAR-Dev/13-14/..... DATED.....: . **LAST DATE OF SUBMISSION: 20.09.2013**
02. **Rates:** Rates quoted should be on F.O.R., CVSc., AAU, Guwahati, on Door Delivery basis. Rates are inclusive of all taxes.
03. **Earnest Money :** Refundable earnest money deposit of **Rs. 15,000.00** through Demand Draft or Fixed Deposit drawn in favour of The Dean, Faculty of Veterinary Science, Assam Agril. University, Khanapara Guwahati, payable at Guwahati, will have to accompany all quotations to be submitted. Quotations submitted without appropriate amount of earnest money are likely to be rejected. The EMD of unsuccessful bidders shall be returned after award of contract. All tenders received without EMD shall be summarily rejected. EMD of the successful bidder will be released after delivery & acceptance of goods by the various departments, CVSc., AAU, Khanapara.
04. **Validity:** Quoted rates must valid as rate contract for a minimum of one year i.e. 1st April' 13 to 31st March' 14.
05. **Delivery:** Unless otherwise stated delivery of goods at Faculty of Veterinary Science, Assam Agril. University, Khanapara Guwahati, will have to be maximum within 15 days from the date of issue of the Purchase Order. The firm failing to deliver goods as per schedule may be debarred from further dealing with the Institute.
06. **Brand:** Brand/make is to be clearly stated against all quoted items.

07. **Sample:** (a) *Samples* of the items (even for known brand of items) are to be provided with the quotation, without which the quotation will not be accepted.
(b) Since samples are returnable, the same will have to be properly packed and address of the vendor must be clearly written on the cover. The dully filled check-list as per Annexure II must be enclosed in the box containing samples and collected back within three months from the last date of receipt of quotations /samples failing which responsibility for any loss will be not taken by us.
08. **VAT:** Copy of VAT registration certificate of the firm, with the TIN number clearly indicated therein, will have to accompany the quotation to be submitted. For a vendor within the state of Assam, appropriate VAT only (*to be deducted at source*) will be applicable. Municipality Registration Certificate is to be submitted alongwith the quotations.
09. **Dealer Certificates:** Dealership certificate, wherever applicable, on the offered products and Standard Technical Literature on each of the items offered will have to be enclosed along with the quotation.
10. The quotation should be complete in all respects and duly signed wherever required. Incomplete and unsigned offer will not be accepted.
11. The quotations are liable to be rejected if the fore going conditions are not complied with.
12. **Risk Purchase Clause:** If you fail to deliver the ordered goods within the maximum delivery period specified in the purchase order, we may procure such item/s in such a manner as it deemed appropriate. In the process of procuring similar goods if our institute happens to incur any excess cost, your establishment is liable to pay the said excess cost.
13. **Selection:**
 - (a) **Both quality and price will be taken into account while selecting items for purchase.**
 - (b) Although selection as per procedure is on lowest quoted basis from the technically qualified vendors, *vendor qualified for less than 100 (One hundred) items* will not be accepted for placing order, instead attempt will be made to get the said item/s supplied by the selected vendors, starting from the next lowest quoted firm willing to supply the said items as per the make quoted by them *but in the rate quoted by the LQ vendor or as per the make and price of the lowest quoted vendor.*
14. **Printed conditions of the firm, if any, will not be binding on us.**
15. **Late and delayed tender will not be considered.**
16. In case any **unscheduled holiday occurs on prescribed closing/opening date the next working day** shall be the prescribed date of closing.
17. **Payment:** Payment will be made after successful delivery and acceptance of goods at FVSc., AAU, Guwahati, generally through A/c payee cheque. In case payment is to be made by DD, the draft commission will be deducted from the bill amount. Part payment for part delivery will not be allowed.
18. **Default :** Default is said to have occurred if the supplier fails to perform any obligation(s) mentioned above and such default may result into forfeiture of EMD submitted by the firm.
19. All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Guwahati, India only.
20. The acceptance of the quotation will rest solely with the Chairman, Purchase Committee, who is not bound to accept the lowest quotation and reserves the right to himself to reject or partially accept any or all the quotations received without assigning any reasons.

Sd/-
Dean,
FVSc., AAU, Khanapara,
Guwahati-22

PACKAGE – ILIST OF LABORATORY INSTRUMENTS AND APPLIANCES TO BE PURCHASED FOR THE YEAR 2013-14
FACULTY OF VETERINARY SCIENCE, A.A.U., KHANAPARA, GUWAHATI-22

<i>Sl.No.</i>	<i>Name of the item</i>	<i>Specification</i>
1.	COLOR DOPPLER ULTRASOUND SCANNER (For Veterinary application)	<ul style="list-style-type: none"> ●Broadband Harmonics technology ● Image processing, speckle reductive ● Spatial Compound Imaging ● Image Optimizer ● Directional eFLOW ● Color Flow , Power Flow and spectral Doppler ● M-Mode ● Extended Field of View ●Tapezoidal Imaging ● Environmentally Friencly ●Compact ● With one convex abdominal and one Trans rectal transducer for veterinary application
2.	CONVEX ABDOMINAL TRANSDUCER	Abdominal exams in large animals, such horses and cattle and large dogs. Frequency Range: 3.8-7.5 MHz/Scan Angle: 60 degrees/Radius:60mm
3.	PHASED ARRAY HARMONIC CARDIAC TRANSDUCER	High Frequency Cardiology transducer for smaller patients. Continuous wave and pulsed wave Doppler
4.	HIGH FREQUENCY LINEAR TRANSDUCER	Linear high frequency (13 MHz) transducer for superficial imaging. Hemispheric sound Technology and Pixel Focus technologies.

5.	REPRODUCTIVE FINGERGRIP TRANSDUCER WITH SAGITTAL VIEW	<p>For scanning in bovine and equine applications</p> <p>For scanning</p> <p>Frequency Range: 5-10 MHz</p> <p>Scan Angle ;65 degree</p> <p>Radius: 20 degrees</p>
6.	<p>MULTIPURPOSE RIGID DIAGNOSTIC SET WITH FLEXIBLE BRONCHO-FIBROSCOPY AND DOCUMENTATION SYSTEM FOR SMALL ANIMAL (Must be compatible with KARL STORZ Video-gastroscopy set)</p>	<p><u>Rigid Diagnostic Set</u></p> <p>Universal telescope for small animal practice, diameter 2.7 mm , length 18cm, color code:red</p> <ul style="list-style-type: none"> ●Examination and Protection Sheath ●Trocar, size 3.5 mm, color code: green with pyramidal tip 30114 G1 Cannula, length 5 cm,with Luer-Lock connector ●Trocar , size 4.5 mm, color code : green, with pyramidal tip 30114 G1 Cannula, length 5 cm with LUER- Lock connector ●Biopsy Forceps 1.7 mm, working length 15 cm round cupped jaws with working length 15 cm ● Biopsy & grasping Forceps 1.5 mm, round cupped jaws ●Operative Sheath, outer diameter 4.5 Fr.with built- in instruments channel of 5 Fr., two luer lock adaptor ●Flexible Biopsy Forceps 5 Fr. Double action jaw oval double spoons ●Fleixble grasping Forceps of 5 Fr. With double action jaws ●Stone Basket of 5 Fr.with length 60 cm ●Unipolar Polypectomy Snare of 5 Fr.with working length 32 cm ●Flexible needle with outertube outerdiameter al all 1.5 mm length ●Earcurette size small of 5 Fr. With working length 30 cm ●Earcurette size large of working length 30 cm for passing through distal tip of sheath ●Otex brush , 5 Charr ●High flow examination sheath with rotatable stopcock, automatic ●Sharp Obturator ●Blunt Obturator ●BLAKESLEY Forceps, straight size 1 ●Probe. Length of hook: 2 mm ●Osteotome, straight, 4mm ●Curette, size 0 ●Handburr, with sleev, ø2.7mm

Length 12 cm

- Handburr with sleeve ϕ 3.5 mm
- Inflow Cannula with sharp obturator with stopcock

Documentation System

KARL STORZ AIDA ® compact NEO standard, HD documentation system for digital storage of still images, video sequences and audio files Power supply : 115/230 VAC, 50/60 Hz Signal Input: HD-SDI, SD-SDI, Y/C, Composite, RGBs consisting of : 200461120-D AIDA control NEO with integrated DVD writer 20040402-22

AIDA compact NEO V3.1 Software mit Communication Interfaces (DICOM & HL7) 20040240US USB Silicone Keyboard with Touchpad , US 20040577-V02 AIDA compact HD Frame Grabber Board 2x 20221070 Connecting Cable 20040087 Connecting Cable , Mini-DIN Plug to BNC socket 536 MK BNC/BNC Video Cable , length 200cm 400A Mains Cord

Flat Monitor for use with documentation system 14"

Bronchoscopy Set

● Broncho-Fiberscope with Instrument channel: 2.3 mm: Direction of view: 0°: Angle of view: 110°: Working length : 85 cm; O.D. : 52 mm: suction valve . Following accessories should be included: Case . Leakage Tester, Pressure Compensation Cap, cleaning Brush , Rubber Lip Valve, disposable , package of 20, Cleaning Adapter for valve housing , Double Stopcock Adaptor

- Bopsy Forceps , double spoon round jaws , diameter 1.7 mm, length 120cm
- Grasping Forceps, double action jaws , flexible 1.7 mm , length 120cm
- Suction catheter, 1.7mm , with connector 10479 A
- Brush for cytology with handle 13266 H and tube 60007SL, working length 100cm

Light cable & camera accessories for connecting to existing light source and camera system

Adaptor to connect standard KARL STORZ Light Cable (not 495NCS) to KARL STORZ Xenon 100 (20132520) light source and to Gastro Pack (25043020)

- Fiber Optic Light Cable , extremely heat resistant , size 3.5 mm length 300 cm
- Vet C-Mount Camera Head, Karl Storz Endovision Veterinary, Video Camera, Color System PAL
- C-MOUNT lens, soakable, focal length $f=38$ mm

Tubings for connecting to existing suction & irrigation unit (for ear

		<p><u>and urethral flushing & suction</u></p> <p>Handle for irrigation and suction , autoclavable , for use with tubing set 69811 in conjunction with 5mm suction-irrigation tubes and catheters any size with LUER-Lock connection.</p> <ul style="list-style-type: none"> ●Instrument tubing set for use with Suction & Irrigation Unit ●Silicon tubing set irrigation –suction from unit bottles, for use with Suction & Irrigation unit and Otoscope
7.	Clinical Chemistry Analyzer (semi automatic)	<p>Light source:</p> <ul style="list-style-type: none"> ●Quartz-halogen lamp 12V-20V <p>Wavelength Range:</p> <ul style="list-style-type: none"> ●Automatic by 12 positions filter-wheel ●6 standard interference <p>Filters:340,405, 505, 546, 578 and 620nm;</p> <ul style="list-style-type: none"> ●6 positions for optional filters. <p>Detector</p> <ul style="list-style-type: none"> ●Photo diode(320-1000nm) <p>Blanking</p> <ul style="list-style-type: none"> ●Automatic zero setting <p>Operator interface</p> <ul style="list-style-type: none"> ●Membrane keyboard ,for direct function and alpha-numeric entry; ●Optional external keyboard; ●High contrast graphical LCD display; ●Real time clock, 24 hours system <p>Measurement procedures</p> <ul style="list-style-type: none"> ●Kinetic, with linearity check: ●Kinetic ,with linearity check and sample slope blank; ●Two pointi,with or without reagent blank; ●End point, with or without reagent blank; ●Bichromatic end point , with or without reagent blank; ●End point ,with sample blank and with or without reagent blank <p>Calibration</p> <ul style="list-style-type: none"> ●Factor ,one-point, two-point and multi-point;

		<ul style="list-style-type: none"> ●Automatic on 1 standard (linear mode); ●Automatic on up to 10 standards(non linear mode) Quality control <ul style="list-style-type: none"> ●Two control per test;
8.	Small Animal Operation Table (Hydraulic)	<ol style="list-style-type: none"> 1. The small animal examination table must be specially designed for small animals like canine, feline etc with 1 section table with central drain as standard. 2. Size : 60 inches X 22 inches 3.Height: 42 inches 4.Auto floor locks & 360^o rotation 5. Suitable for examination as well as for operation of abdominal, renal, pelvic region , head , extremities etc. 6. Base and column covered with stainless steel fitting with auto floor locking' and table made of 304 SS satin finish 7. Detachable leg section with standard accessories and mattress 8. Six sets of animal straps with concealed type j hooks 9. IV Stand with draw type instrument tray of SS min size 18 inch X 12 inch 10.The Offered unit must have min. 5 similar installations in Govt. institute. 11. The tenderer or the manufacturer must be EN 13485 certified for medical quality
9.	Small Animal Examination Table	<ol style="list-style-type: none"> 1. The small animal examination table must be specially designed for small animals 2.Size: 48-60 inches x 22 inches 3. Height:42 inches 4. Stainless steel top finished 5.Metalic four legged stand 6.Provision of side hooks for securing the animal
10.	Centrifuge machine	Laboratory centrifuge with speed regulator. Digital speed indicator, maximum speed 5000 rpm. Swingout roto head. 12x15 ml, 8x15 ml angle rotor head.
11.	Digital Electronic Balance	Capacity : 220 g Readability : 0.1 mg Repeatability: +/- 0. 1Mg Linearity: +/-0.3 mg Pan size: 80mm dia Response time : 2-3 sec

		Display : back light LCD display Calibration: Motorised Internal Calibration/
12.		Units of Measure: g,mg,ct,GN,mo,oz,dwt etc. Operating Temp.:15 deg.C to 35 deg.C. Tare range: Upto 220gm Wind Draft Shield: Stainless steel Pan and glass draft shield with flexible configuration. Power supply : 220-240 V, AC. 50/60 HZ
13.	Small Animal Anaesthesia Machine	<ol style="list-style-type: none"> 1. The anesthesia machine must be specially designed for small animals like canine , feline etc with muzzle mask of small and medium size to be provided as standard, 2. Re-breathing bags with two litre capacity must be provided for vet purpose 3. The offered small animal anesthesia machine must have the following features: <ol style="list-style-type: none"> 1) Table top: Stainless steel 2) Cylinder yokes: Gas specific yokes and gauges with clamping bars dual for oxygen and nitrous oxide 3) Mobile: Four large diameter anti static castor wheels with ball bearings, front castors have brakes 4) Pressure Gauges : Two each for Oxygen and Nitrous Oxide 5)Regulators: For higher efficiency and reliability two each for oxygen and nitrous oxide 6) Non-return cum pressure release valve: Minimizes risk of back flow of gases, blows off when pressure exceeds 200cm H₂O 7) Oxygen failure warning :devices: Pneumatic device which activates audible alarm (for minimum 10 sec.)when oxygen supply pressure falls to 205 kPa 8) Vapourizers:The system should be state of art anesthesia machine for canine use and should have future up gradation for large animal and must accommodate large animal lung bellows in future up gradation 9) Flow meters: Long (upto 260 mm) rotating bobbin flow meters calibrated in double /triple scale , antistatic and non-interchangeable (Oxygen -100 ml/min to 10 liters/min: Nitrous Oxide-100 ml/min to 12 liters/min)Oxygen being a preferred gas kept on downstream of other gas 10) Oxygen flush: Emergency oxygen flush outlet button at

		<p>table level(36-50 lit/min)</p> <p>11) Breathing circuit: Standard magill's circuit</p> <p>12)Nitrous cut-off: Provide nitrous cut off system prevents risk of administering 100% nitrous oxide in absence of oxygen pressure</p> <p>13)Should have the facility for Plenum type ether /goldman type halothane vaporizer and should have built in space for extra vaporizes</p> <p>14)Should have drawer space to keep the accessories</p> <p>15)The unit should have all the alarms and must be ISI marked</p> <p>16)High pressure Nylon ribbed tubing with non-interchangeable end fitting</p> <p>17)2 cylinder kits with 2 litre re-breathing bags</p> <p>18) Catheter mount with tube face/muzzle mask for canine , bovine</p> <p>19)The offered unit must have min 5 similar installations in govt. of which self attested copies to be attached along with the tender quoted</p> <p>20)The tenderer or the manufacturer must be EN 13485 certified for medical quality</p>
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14.	Hot air oven	Digitally controlled Inner size W.D.H. (455 x 455 x 605) mm Capacity-125 liter
15.	Water bath (digital control)	Volume /capacity: 20 liters, Temp, rance: ambient + 5°C to 100°C, accuracy: ±0.1°C at 50°C.digital PID auto tuning controller for precise temperature control. Unique CLS (Custom Logical Safe) control system . Bath material: internal: stainless steel, eternal : dopuble painted and baked steel, electronic programmable timer for setting start and stop automatically , audio-visual alarm built in for over temperature protection. Temperature display in °C , drain valve for easy cleaning. Complete with spring wire rack and gable cover , operated on 220V/50Hz ISO 9000 Series Certification & CE CERTIFIED
16.	Precision rotary Microtome	Range of section thickness: 0.5µm to 99µm Horizontal Specimen Advance: 28mm Vertical Stroke : 60mm Advance for trimming: 1-99µm adjustable. The equipment is supplied complete with-Casette holder, Knife holder base, standard knife holder, object orientation unit, Section waste tray , Microtome Knife 15cm
17.	Disposable Blade Holder	Suitable for holding low or high Profile knife, suitable for all types of Rotary Microtome
18.	Disposable Blade pack of 50 blades	High carbon steel, diamond sharp edge, packed in a unique dispenser, Scientifically designed to take one after the other knife automatically, Low Profile High Perofil
19.	Tissue Floatation Bath	For precise control of different samples at constant temperature. It is ideal for tissue culture , enzyme reactions fermentations tissue section processing etc. Its round , double walled, single piece inner and outer chambers are made of aluminium , Inside black and outer surface finished in powder paint, with wide enough rim for drying the wet slides .Temperature to be controlled by IMPORTED make capillary type thermostat from ambient to 70 ⁰ C with an accuracy of ±2 ^{0c}

20.	Block Holder	Specimen Holder used for holding the wax block for taking sections on the microtome Size:(dia) 37mm 25mm 20mm
21.	Tissue Embedding Moulds	Made from Stainless Steel, Very Convenient and simplified method for the preparation and taking of tissue section. Eliminates need for trimming of blocks Size: a.L X W X D b.16 x 16 x 12m c. 22 x 22 x 12mm
22.	Digital electro cardiogram	Functional Characteristics: <ul style="list-style-type: none"> ●Single Key operation ●Simultaneous acquisition of 12 leads ●Memor -10 second for each lead ●Printing format selectable to single or double or any desired lead/leads ●Digital Filters for elimination of muscle tremors, power line and base line disturbs ● Power supply by mains and by build in NiMH batteries with high capacity and fast charge time ●Based on a Rise Processor for signal processing ● Truly portable Standard Accessories: <ul style="list-style-type: none"> ● Patient Cable(10 lead) ● Earth Cable ● Charger cum power pack ● Clip-on Limb electrodes ● Suction cup-chest electrodes ● Paper Roll 50mm X 20mt ● Cardi Jelly bottle ● User Manual
23.	Horizontal laminar flow	With ss table top wood melanine body construction, Bunsen burner with provision for gas connection EU 13 HEPA filter and EU-6 per filter. Non reflecting safety glass (MSG) complete with HEPA filter 0.25 microne Size-4' X 2' X 4' supply motor blower assembly Antivibration and flexible connector. Adjustable floor aligner .UV light florescent light air/gas regulator. Pressure monitor DOP rating hot and cold A 99.5 % .Built in UV tube work on 220/230 volt AC

		size 4' X 2' X 2
24.	Bacteriological Incubator	Temp. range up to 80 ⁰ C controlled by 'IMPORTED' Thermostat. Door gasket made of synthetic Rubber compound instead of Asbestos. Inner chamber made of S. Steel (304 Grade) with 2 shelves. Size 455x455x605mm
25.	Hemocytometer	Make Merinfeld , Germany
26.	Incinerator for waste disposal	<p>It has 50 kg capacity and will burn at around 25kgs per hour. The unit is a top loading design and has heavy duty refractory cement lining for maximum heat retention. This unit operates at over 1100 deg C in the primary chamber to ensure complete combustion and a complete re-burn of any smoke and emissions.</p> <p>PRIMARY CHAMBER Heavy –duty steel casing High quality refractory lining and insulation .16 cubic meter capacity chamber Large full size top load door and liquid retention sill 1 x oil fired ignition burner operated on/off 1100+ deg C operating temperature</p> <p>CHIMNEY 1.52m Heavy-duty stainless steel stack Cap</p> <p>CONTROL PANEL Control of 1 burner Timer control 0-12 hours Integral fan timer control</p>
27.	Dumper placer with Animal Dead Body Bin	<p>Constructed on TATA ACE with 5 gear Capacity: 1 No. Animal Dead Body Bin Size 5' x 2.5" x 2.5"</p> <p>Hydraulic Cylinder: 2 Nos. 63 mm bore & 40 mm shaft (for lifting & Tippin) Lifting Capacity: 1 ton Outrigger/stabilizer: 1 No. Hydraulically operated (Manually Pullout type) Control Volume: 1 no. 2 spool directional control valve Safety Device: Overload Protection Valve, Load Holding Valve</p>

		<p>Hydraulic Pump: Power pack (Battery operated pump) Hydraulic Tank Capacity: 15-20 liters Hydraulic Oil: Antiwar Grade 68 castrol Floor Sheet: 2mm MS sheet Boom Arms: Cold formed Box section of MS 75 x 40 x 4 mm Boom Cross Bar: Outer diameter 48 x 5 mm MS pipe Lifting Chain: 8 mm thick MS Tested Chain Tipping Hook: Manually Operated Power Source: Vehicle Battery</p>
28.	Variable Miocro pipettes	5-50µl, 50-200µl, 200-1000µl
29.	Biomedical Waste Disposal Bin set of 4 bins Bio hazardous disposable bags	<p>In red, blue yellow and black colour Foot operated with lid Bin fitted in steel frame with paddle operation system Capacity of each bin 25 and 60 liters Each bin with biohazard monogram Virgin plastic non chlorinated specially designed biodegradable waste collection bags , 30 micron thickness, pucture and leakage proof , yeallow,red ,blue and black colour Capacity : 25 and 60 liters</p>
30.	Needle and Syringe destroyer	<p>Manually operated syringe & needle destroyer Puncture proof & destroys needles & syringe of any size both in single action. Unit combines a high grade stainless steel with lid and disposed off as per CPCB norms. Spring used in hub Cutter made of SS wire of hardened & tampered ISI-4454 of 2001. No use of battery of Electric power. Maximum cycle time per needle to be cut is 3 to 4 seconds for 18 to 28 gauge dia. /10-25mm length needles.</p>
31.	Sharp Container	<p>This container is designed for Bio-Medical Waste sharp collection such as syringe, blades etc. Flask shape for ease and convenience. Fits discreetly into wall or instrument Trolley. Capacity:3 liters</p>
32.	Horizontal Autoclave	<p>Construction The unit outer chamber , inner chamber , Broiler , Lid and Jacket-all made of 304 grade stainless steel. For controlling sterilization cycle, as three way valve or a multiport valve-made of S.S. is</p>

		<p>provided. It is supplied complete with vacuum breaker, water level indicator, steam trap an automatic pressure control switch. The whole unit is mounted on a robust tabblar stand. Capacity: 100 liters. Operatable on Single Phase, 230 volts A.C. supply. Working Pressure: The pressure inside the chamber is variable from 5 psi to 30 psi. But the normal recommended pressure for sterilization process is 15 psi. Working Temperature : 121°C Hydrotest Pressure: 2.5 kgf/cm.sq.g(35 psi.)</p>
33.	Portable Centrifuge Machin	Laboratory Centrifuge with stepless control , digital speed meter, maximum speed 5000 rpm, Swing out head rotor , metal carrier 8 x 15 mm
34.	Inverter	1400 VA / Voltage on Mains : 100 ~ 265 VAC / Voltage on Battery : 225 ~ 235 VAC / Wave Form : Pure Sine Wave / Frequency on Battery : 50 Hz +/- 0.5% / Overload Indication : 110 % for 60 Seconds. Indication via Led & Audible Alarm / Input Voltage Range : 100 ~ 265 V / Multiple Short Circuit Protection Provided / Surge Protection ,Mains Low & High Input Voltage / Battery : 150 AH X 12 V X 2 No / Trolley Installation and electrical wiring (for each inverter)
35.	A.C.	2 Ton Capacity, Star Rating 3 Star, 3M Micro Protection Filter, Monsoon comfort Dual protection filter, Auto clean
36.	A.C.	1.5 Ton Capacity Star Rating 5 Star, 3M Micro Protection Filter, Monsoon comfort, Dual protection filter Auto clean
37.	Voltage Stabilizer – 1 KVA to 10 KVA	<p>1 KVA / Input Voltage Range – 140 ~ 280V / Output Voltage – 200 ~ 240V +/- 2% / Overload & Short Circuit Protection Auto Trip in case of High Voltage / Cabinet Made of CRC Sheet with Powder Coating Paint / Warranty – 1 Year</p> <p>2 KVA / Input Voltage Range – 140 ~ 280V / Output Voltage – 200 ~ 240V +/- 2% / Overload & Short Circuit Protection Auto Trip in case of High Voltage / Cabinet Made of CRC Sheet with Powder Coating Paint / Warranty – 1 Year</p> <p>3 KVA / Input Voltage Range – 140 ~ 280V / Output Voltage – 200 ~ 240V +/- 2% / Overload & Short Circuit Protection Auto Trip in case of High Voltage / Cabinet Made of CRC Sheet with Powder Coating Paint / Warranty – 1 Year</p>

		5 KVA / Input Voltage Range – 140 ~ 280V / Output Voltage – 200 ~ 240V +/- 2% / Overload & Short Circuit Protection Auto Trip in case of High Voltage / Cabinet Made of CRC Sheet with Powder Coating Paint / Warranty – 1 Year
38.	<p>CO2 Incubator: seamless and fanless chamber designed for stem cell and IVF application which fits into IVF workstations and under laminar flow hoods for complete minimization of contamination risk with RS-232, 25mm access port and 1-19% Oxygen control option</p> <p>N. B.: Equipment under this schedule should conform to BIS/ ISO 9001:2008 certification standards, a proof of which shall have to be submitted along with the bid document.]</p> <p>Technical literature, brochures and all other relevant information supporting the bid must accompany the bid document</p>	<p>Temperature Range: 4°C above ambient to 50°C Temperature Control facility: ± 0.1°C Temperature Stability: ± 0.1°C Temperature Uniformity: ≤ ± 0.3°C CO2 Gas control range should have: 0.2 – 20% CO2 Gas Control should have: ± 0.1% CO2 Gas Stability should have: ± 0.2% CO2 Gas Uniformity should have: ± 0.1% CO2 Gas Connections: 6 mm tubing with HEPA Filtration Humidity Reservoir: 2.5 Liters volume of removable stainless pan RH (@37°C) : Upto 95% Perforated Shelves: 2 to 4 position to faster recoveries Chamber Dimensions: 23.3 x 20.8” x 29.2 cm (W x D x H) or more External Dimensions: 31.3 x 28.5 x 29.2 cm (W x D x H) or more Electrical Voltage: 220-240V, 50/60 Hz Net Weight: 13 Kg or more Certification : CE Certified Heating Profile: Six-sided , Direct Heating, Fanless Design CO2 Sensor: Infra Red (IR) Digital Display : LED, Temperature and CO2 Level Accessories : Dishes, Plates, Flasks , CO2 Cylinder, Dual Stage Regulator and Voltage Stabilizer should have to be supplied along with the Incubator.</p>
39.	Mini Incubator	<ul style="list-style-type: none"> • Ideal for microbiology or hematology applications • Temperature range ambient +5° to 60° C • Digital control • Corrosion resistant chamber • Three shelf levels • Door with large viewing area • Pilot light to indicate heating • 220 - 230V~, 50/60 Hz

		<ul style="list-style-type: none"> • Light weight • Volume 80L • Warranty : 2 years (Min.)
40.	Dry Bath Incubator	<ul style="list-style-type: none"> • Temperature range -10° to 100° C (Irrespective of external temperature) • Microprocessor controlled • Minimum set time 1 min • Heating and cooling module should be replaceable for different tube size. • LCD display • Temperature accuracy .5 C • Fast ramping • Cooling: Peltier based • Programmable • Signal after completion of incubation • Light weight • Warranty : 2 years (Min.)
41.	Electrophoresis system	<ul style="list-style-type: none"> • Unit dimensions (W x L x H) 21.5 x 33.5 x 7 cm • Gel size (W x L) 15 x 15 cm • Buffer volume 1200 ml • Buffer re-circulation ports 2 • Maximum sample capacity 120 • Combs 2 • Comb thickness 1, 1.5 or 2 mm • Comb throughput 1 to 30 samples • Comb slots 4 • Migration distance between comb slots 3.5 cm • Recommended running voltage 100 to 125 V • Warranty : 2 years (Min.)
42.	Refrigerated centrifuge	<ul style="list-style-type: none"> • (220-240 V, 50/60 Hz) • Refrigerated table top centrifuge • speed range up to 18.000 rpm • Various angle and swing-out rotors should be available.(1.5ml,50ml, Microtiter plate) • Maximum capacity of 4 x 400 ml down to micro tubes with different adapters in the same

		<ul style="list-style-type: none"> bucket • Micro processor based controls for speed or gravitational field, time and temperature • Active rotor identification • Stainless steel bowl • Imbalance switch • Emergency lid lock release • Easy lid opening • Motorized lid lock • Possibility of precooling the rotors during standstill Refrigerant CFC-free. • Produced according to national and international safety regulations. • Warranty : 3 years (Min.)
43.	Homogenizer	<ul style="list-style-type: none"> • Homogenization of at least 3 samples in regular snap-cap microcentrifuge tubes(1.5ml to 2ml) • Application in DNA, RNA and protein isolation • Prevention of sample cross-contamination. • Should be compatible with Animal, Plant and Microbial Samples. • Compatible with chilled and frozen samples • Compatible with different types beads supplies by other vendors. • Sample size: minimum of .3g • Prevention of heat build-up during homogenization. • Sufficient amount of different beads, scoops, and tubes should be supplied. • Warranty:
44.	OSMOMETER	<ul style="list-style-type: none"> • Fully automatic digital osmometer for determination of low concentration of solutes in biological fluids • Takes sample in microliter volume • LED readout screen • Triple-point calibration verification • Minimum bench space • Compatible with consumable from other vendors. • Range: At least 100 - 500 m Osm/kg (Larger range will be preferred) • Power requirements: 115 V, 50/60 Hz. • Warranty: 2 years (Min.)

45.	Refrigerated/Heating Circulator Water Bath	<ul style="list-style-type: none"> • Temperature range -10° to 100° C (irrespective of ambient temperature) • Efficient for all types of electrophoresis and tank transfer application. • Minimum level of deviation from set value • Microprocessor controlled • Should occupy minimum laboratory space • Minimum of 5L capacity • Warranty: 2 years (Min.)
46.	Cooled incubator	<ul style="list-style-type: none"> • Should operate on 220V/50HZ • Application: Protein crystallization (Supportive documents to be provided) • Microprocessor PID controlled. • Simple calibration and auto tuning function • Digital timer • The system should have convenient sample monitoring without affecting chamber temperature. Detachable shelves • Round corner chamber • Capacity: Minimum 123 litre • Temperature range: Minimum 0° to 60°C (larger range will be preferred) • CFC free • Minimum vibration • Warranty : 3 years (Min.)
47.	Chemi Doc	<ul style="list-style-type: none"> • Capable of handling Chemiluminescence, Fluorescence, Colorimetry/densitometry, Gel documentation • Detector :Supercooled CCD • Filter position :3 (at least) • Broad dye selection range • Cooling system: Peltier • Capable of autofocus • Proper software for analysis of blots. • Operating voltage: 110/115/230 V AC nominal • Proper power back up • Warranty :

48.	Micromanipulator (Without Microscope)	<p>Fully capable of handling IVF; Intracytoplasmic sperm injection; Injection of oocytes and adherent cells; Injection of DNA ,RNA and protein; Embryology work</p> <p>Manipulator for moving and positioning the injection needles in the field of view of the microscope.</p> <p>Hydraulic manual Injector to supply the intended injection.</p> <p>Manipulator and the injector should have the functionality to communicate with each other</p> <p>Capable of holding the cell / embryo precisely in position using air vacuum.</p> <p>Should be flexible enough to be installed, adapted and used on left or right side of all commonly used microscopes (e.g., inverted microscopes, upright microscopes and stereozoom microscopes).</p> <p>Facility for both for filling the microinjection capillaries with minute amounts of liquids and also for recovering surplus solution from the capillary.</p> <p>Should have dynamic control in all three (X, Y & Z) axes.</p> <p>Coarse and fine control options for manipulator movements.</p> <p>Resolution of at least approx. 10 micron or better.</p> <p>Adjustable injection angles (wider range shall be preferred)</p> <p>Biological compatibility ensured by embryo-tested oil</p> <p>Compatible with Nikon TS100-F or Leica DM IL LED or Nikon SMZ 100 Microscope platforms</p> <p>Accessories for attachment with the Microscopes.</p> <p>Capable of maintaining temperature.</p> <p>Warranty :</p>
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Sd/-
 (R.N. Goswami)
 Dean
 Faculty of Vety. Science, A.A.U
Khanapara, Guwahati-122

PACKAGE-II

Sealed quotation are invited from reputed Registered firms/Dealers for printing of **MAGAZINE “VETCOL”**. for the year 2013-14.

NAME OF ARTICLES FOR PRINTING OF MAGAZINE “VETCOL”

Sl. No.	Name of articles with Specification	Quantity
1.	D.T.P. Composing per page	220 pages
2.	Plate making per format	25 Nos.
3.	Processing per format	25 Nos.
4.	Text printing per format	25 Nos
5.	Text paper Map litho 21.3 kg D/D	32 Reams
6.	Text paper white print per Ream 14.8 kg.	-----
7.	Cover printing per colour	4/5 Nos.
8.	Cover scanning charges	400/450 sq. inch.
9.	Cover paper 300 GSM Art paper both side multi colour 34.6 kg per ream.	1.25 Ream
10.	Cover lamination per cover (Matte with spot UV Coated Lamination L/S	1000 Nos.
11.	Cover plate making per colour	4/5 Nos
12.	Colour photo scanning m/m size per photo	20/25 Nos.
13.	Colour photo printing per 4 pages	8/9 Nos.
14.	Colour and B/W photo paper 130 GSM Art paper both side multi colour 24 kg per ream	5 Reams
15.	B/W photo processing per page	80 page
16.	B/W photo printing per format	10 Nos.
17.	B/W photo plate making per format	10 Nos.
18.	Binding charges per Magazine	1000 Nos.
19.	Colour photo processing per format	10 Nos.

Sd/-

(R.N. Goswami)

Dean

Faculty of Vety. Science
Assam Agricultural University
Khanapara, Guwahati-122

PACKAGE-III
LIST OF SPORTS GOODS TO BE PURCHASED FOR THE YEAR 2013-14
FACULTY OF VETERINARY SCIENCE, A.A.U., KHANAPARA, GUWAHATI-22

Sl. No	Name of Sports Goods	Specification
1.	Badminton Racket (All Steel)	a) Melonsilva b) Optima c) Silver Power Post d) Silver Flexican
2.	Badminton Shuttles	a) Rocket b) Ashoka c) Arrow flight
3.	Badminton Net – 4 side tape	a) Cotton b) Nylon
4.	Cricket Practice Ball	a) Ved b) Club c) Bullet
5.	Cricket Match Ball	a) BDM b) Ambassador c) S.G. d) Samrat
6.	Cricket Practice Bat	a) Balbro b) Kashmiri Willow c) BDM d) Dynamic
7.	Cricket Match Bat (English Willow)	a) Master Blaster b) Amazer c) BDM d) Balbro
8.	Cricket Wicket Keeping Gloves	a) Majestic b) BDM
9.	Cricket Batting Gloves	a) Majestic (leather) b) Panasonic
10.	Cricket Batting Pad	a) Majestic b) BDM
11.	Cricket Abdominal Guard	-----
12.	Cricket Stamp (Wooden)	-----
13.	Cricket Bails	-----
14.	Cricket Thigh Pad	a) Majestic b) Premier
15.	Cricket Batting Leg Guard	a) Rebok b) Majestic
16.	Cricket Wicket Keeping Pad	a) Majestic b) BDM c) Rebok d) Primex
17.	Cricket Score Book (100 innings)	-----
18.	Cricket Practice Net	a) Cotton : 72 X 10 b) Nylon : 72 X 10
19.	Cricket Mat	a) Size : 66' X 8' Coir b) Size : 33' X 8' Coir

20.	Tennis Ball	a) Cosco b) Wilson
21.	T.T. Bat	a) Pesco b) Steg c) Butterfly
22.	T.T. Net (Nylon)	
23.	T. T. Ball	a) Steg b) Jonex c) Shield
24.	Basket Ball	a) Cosco b) Jonex c) Nivia
25.	T.T. Clamp (Stand)	-----
26.	Basket Ball Net	a) Cotton b) Nylon
27.	Basket Ball Ring (Iron)	-----
28.	Football	a) Jonex b) Cosco c) Nivia
29.	Football Goal Net	a) Cotton b) Nylon
30.	Football Boot	a) Nivia b) Bhogals
31.	Football Stocking	-----
32.	Football Socks	-----
33.	Football Kneecap	-----
34.	Football Jercy	Cotton
35.	Football Half pant	Cotton
36.	Volleyball Net (4 side tape)	a) Cotton b) Nylon
37.	Volley Ball	a) Cosco b) Jonex c) Nivia
38.	Volley Ball Jercy (Cotton)	a) Full sleeves b) Half sleeves
39.	Tracksuit	Best quality
40.	Sporting	Best quality
41.	Wrist Band	-----
42.	Carrom Board (Best quality)	a) Size : 36" X 36" b) Size : 34" X 34"
43.	Carrom Men	Wooden
44.	Carrom Striker	Plastic
45.	Chess Board	a) Wooden b) Plastic
46.	Volleyball Kneecap (Paded)	-----
47.	Socks (Nylon)	-----
48.	T.T. Board	$\frac{3}{4}$ Champion
49.	Weight Lifting Belt	Leather
50.	Weight Lifting Shoe	Leather
51.	Skipping Rope	Adjustable

52.	Dumbell	a) 15 lbs b) 30 lbs
53.	Weight Lifting Bar	a) 3 feet b) 4 feet
54.	Bumbell Rod	-----
55.	Stop Watch	Electronic
56.	Olympic Weight Lifting Set	Rubber coted in Kg.
57.	Barbel Plate	Barbell Plate : a) 25 Kg. b) 20 Kg. c) 15 Kg. d) 12.5 Kg. e) 10 Kg. f) 7.5 Kg. g) 5 Kg. h) 2.5 Kg. i) 2 Kg. j) 1 Kg. k) ½ Kg.
58.	Push Up Stand	Push Up Stand
59.	Weight Lifting Bar	a) 5 feet b) 3 feet
60.	Cycle	Cycle Exercise
61.	Dirt	Wooden
62.	Spike Shoe	-----
63.	Sporting for Athletics	Half sleeves
64.	Measuring Tape	50 Meters
65.	Whistle	Plastic/Steel
66.	Dumbell (Fixed)	Fixed 2 Kg & 3Kg.
67.	Dumbell (Flexible)	(Flexible)
68.	Mirror	3 feet X 6 feet
69.	Mirror with stand	4 feet x 3 feet
70.	Multifunction bench Incline/decline/flat	For chest exercise
71.	Carpet	27 feet x 20 feet
72.	Gym. Mat	1mm x 1mm x 25mm
73.	Weight Rack	Indian
74.	Shoulder press	80 kg.
75.	Iron Bar	6 feet
76.	Dumbell Bar	For biceps, triceps, deltoids exercises
77.	Olympic Plate	4x10 kg 4x5 kg 4x2.5 kg
78.	Trade Mill	Trade Mill
79.	Javelin	a) Aluminium b) Bamboo
80.	Half pant for Gymnasium	a) Cotton b) T. Cotton
81.	Medal (With emblem and ribbon)	a) Gold

		b) Silver c) Bronze
82.	Plain Cup (SS)	a) No. 13 b) No. 12 c) No. 11 d) No. 10 e) No. 9 f) No. 8 g) No. 7 h) No. 6 i) No. 5 j) No. 4 k) No. 3
83.	Shield (Ply with steel)	a) 4" X 5" b) 5" X 6" c) 7" X 8" d) 8" X 10" e) 10" X 13" f) 13" X 16"
84.	Design Memento	a) No. 2 b) No. 3 c) No. 4 d) No. 5 e) No. 6 f) No. 7 g) No. 8 h) No. 9

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PACKAGE-IV
LIST OF UTENSIL TO BE PURCHASED FOR THE YEAR 2013-14
FACULTY OF VETERINARY SCIENCE, A.A.U., KHANAPARA, GUWAHATI-22

Sl. No.	Name of Utensil	Specification
1.	SS. Dish	Tilak/Bagani/Vinoo
2.	S.S. Bowel	Tilok/Bagani/Vinoo
3.	S.S. Glass	Tilok/Bagani/Vinoo
4.	Iron Kerahi	TATA/LAKHI, 60 Kg. Capacity
5.	Iron Kerahi	TATA/LAKHI, 50 Kg. Capacity
6.	Iron Kerahi	TATA/LAKHI, 40 Kg. Capacity
7.	Iron Kerahi	TATA/LAKHI, 30 Kg. Capacity
8.	Iron Kerahi	TATA/LAKHI, 20 Kg. Capacity
9.	Aluminum Saucepan (Lid with handle)	Bongaigaon made/J.K./Prakash
10.	Aluminum Rice Washing Bowel	Bongaigaon made/J.K./Prakash
11.	S.S. Tea Flask	Balaji/Kamal, 10 Liter capacity
11.	S.S. Tea Flask	Balaji/Kamal, 15 Liter capacity
12.	Aluminum Kettle	Big size, Bongaigaon made
13.	Bothi	Iron, Big size, handmade
14.	Iron Tawa	Big size, handmade
15.	S.S. Distribution Spoon	United/VIP/Roman
16.	Iron Jagra	Big size, handmade
17.	Iron Khanti	Big size, handmade
18.	Aluminum Gumla	Bongaigaon made
19.	S.S. Gumla	Big size, Prakash/Amish/V. Kumar
20.	S.S. Distribution Bowel	3 in one, Amish/Prakash
21.	G.I. Bucket	No. 20, TATA
22.	Silpota	Big size, handmade, 18"
23.	Wooden Belna Set	2'X2 ½', wooden, handmade
24.	Plastic Dustbin	Big size, 60 liter capacity
25.	Plastic Dustbin	Med. size, 32 liter capacity
26.	Water Filter Candle	Puro
27.	Water Filter	Plastic, Puro, 21 liter cap.
28.	Water Filter	Plastic, Puro, 30 liter cap.
29.	Water Filter	S.S., Milton, 21 liter cap.
30.	Water Filter	S.S., Milton, 30 liter cap.
31.	S.S. Hata	Big size, Prakash
32.	Water Jug	Plastic, Sangam
33.	Water Jug	S.S., United/VIP/Roman
34.	Dao with Nail	Big size, handmade
35.	Grass cutting Patti with nail	Iron, handmade
36.	Sickle	Iron, handmade
37.	Knife	Big size, handmade
38.	Spade with Nail	TATA/AGRO
39.	Mixer Grinder	2/3 Bati,

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PACKAGE V**STATIONARY ITEMS FOR THE SESSION 2013-14
CVSc., AAU, KHANAPARA**

Sl.No.	Name of items	Specification
1.	Plastic water bucket(Make-Brite, Ocean)	100 lit. (per bucket)
2.	Duplicating paper	2.8 kg wt. (per ream)/Supreme
3.	F.C. paper	8 kg wt. HPC (per ream)
4.	Note sheet paper	2.6 kg (per ream)/JK
5.	Photocopy paper	A4 Size, JK (per ream)
6.	Photocopy paper	A3 Size, JK (per ream)
7.	Carbon paper	503 Black (per pkt)/ Kores
8.	File Cover (Cloth binding)	Good quality Yellow/Blue/Pink/Green (per each)
9.	File board	Good quality
10.	Plastic dustbin	Good quality
11.	Doormat	Plastic/per sq. feet.
12.	Calling bell (Electric)	Bajaj/Philips
13.	Calling bell	Manual
14.	Bound Register (neelgagan)	Ordinary (White) Running No.
15.	Bound Register	Special (White) Neelgagan (per No)
16.	Dak Issue Register	(per No), Unique
17.	Dak Receipt Register	(per No), Unique
18.	Dak File	Four folder/each
19.	Eraser(Fluid white)	Camel/ Kores/Each
20.	Alpin	King (per pkt)
21.	Gems Clip	Office (per pkt)/ Bell
22.	Gum paste	700 ml bottle (per bottle)/ Camel
23.	Stamp pad	Kores/Camel (per No)
24.	Stamp pad ink	60 ml (per bottle)
25.	D.F.C. paper	6.1kg (per ream)/ HPC
26.	Brown paper	(per No)
27.	Envelope(Clothes binding)	4"x10" (per 100)
28.	Envelope(Clothes binding)	10"x14" (per 100)
29.	Envelope(White)	36 kg, 11"x5" (per 100)
30.	Envelope(Lamination)	12"x10" (per 100)
31.	Staple machine	No.24x6/ kangro (per No)
32.	Staple machine	No.10 (per piece)/ kangro
33.	Staple pin	No.24x6 (per pkt)/ kangro
34.	Staple pin	No.10 (per pkt)/ kangro
35.	Tag	12" (per bud)
36.	Twin thread ball	(per bud)
37.	Colouring flag	(per pkt)/Good quality
38.	Drinking glass	Yara (per each)/Good quality
39.	Cup plate	Bone China Set of 6 nos (per set)
40.	Quarter plate	Bone China Set of 6 nos (per set)
41.	Teaspoon	(Stainless steel)/ Good quality
42.	Tea tray	-Do-
43.	Tea flask	Cap.-1 ltr. Brand-Milton

44.	Tea flask	Cap.-2 ltr. Brand-Milton
45.	Tea flask	Cap.-½ ltr. Brand-Milton
46.	Pin Cushion	Magnetic
47.	Curtain Cloth	Good quality, DCM / Meter
48.	Classroom / office room curtain clothes	Cotton/ silk/synthetic, thick, minimum 1.2 meter breath and weighing about 350 gm in dry condition, either plain or printed with deep in colour with standard stretchable quality
49.	Tube Light set	Complete set ; energy saving/Crompton Greaves/Bajaj/Philips
50.	Microscope Cover	Perspex cover for Binocular Microscope with base 27 x 23 x 42 cm and Trinocular Microscope with base 30 x 25 x 45 cm
51.	Jharan	Per piece/Length & Breath=20"x20"
52.	Board duster	Camel/No.
53.	Chalk pencil	White/ pkt.
54.	Chalk pencil	Colouring/ pkt.
55.	Paper wt.	Special/ Pcs.
56.	Marker pen	Camel/ piece
57.	Ball pen	Cello/ piece
58.	Ball pen (both side)	Renko/ piece
59.	Lock & Key	7 Liver/ pair/Godrej/Link
60.	Plastic Scale	12"/ piece
61.	Plastic Scale	18"/ piece
62.	Towel	Big Size/ piece/Bombay Dying/DCM
63.	Towel	Medium Size/ piece/ Bombay Dying/DCM
64.	Chair Cushion	Kurlon 16 x 16 x 3/ piece
65.	Punching machine	Medium 480 No Kongaro/ piece
66.	Punching machine	Single/ piece/Kangaro
67.	Water filter	Porecelion, cap 14 ltr./piece
68.	Tap for filter	Porcelain filter
69.	Plastic refill (pointed)	Small,Red/Blue (per 10 pieces pkt.)/Flair/Link
70.	Plastic refill (pointed)	Medium, Red/Blue (per 10 pieces pkt.)/ Flair/Link
71.	Plastic refill (pointed)	Long, Red/Blue (per 10 pieces pkt.)/ Flair/Link
72.	G.I. Bucket	14" /piece/TATA or equivalent
73.	Plastic Bucket	16 ltr/piece/ Cello or equivalent
74.	Phenyl	450 ml/bottle/Bengal Chemical
75.	Lead pencil HB, 2HB,	Apsara/Pkt.
76.	Cello tap (Brown)	2" /piece
77.	Cello tap (Transferant)	1"/piece
78.	Sealing wax	Gripex/piece
79.	Soap (Detol)	70gm/piece
80.	Soap	(Life bouy), general size /piece
81.	Toilet Paper	Good quality
82.	Vim Powder	1 kg/pkt
83.	Vim Bar	Medium size/Piece
84.	Dettol	250ml/bottle
85.	Commercial sprit	Per ltr.
86.	Shaving blade	Lazer/Prince/pkt
87.	Harpic	500ml/ /bottle

88.	Bleaching Powder	25 Kg Beg/Kg
89.	Table Brush	Made of coir (wooden handle, Good Quality) /piece
90.	Steel pati for grass Cutting	Good quality/piece
91.	Telcom Powder	Medium size/Container
92.	Tube light	40w/Tube, Bajaj or Philips/piece
93.	CFL bulb	Various watts 8wt,14wt,18wt/30 w/Philips, Bajaj /piece
94.	Electric bulb	60wt/100wt, Philips,Bajaj/piece
95.	Eraser (Rubber)	Non Dust, Nataraj/piece
96.	Phool Jharu	Good quality/ piece
97.	Bamboo Jharu	Good quality/ piece
98.	Coconut Jharu	Good quality/ piece
99.	Ceiling Jharu	Made of Plastic fiber with Bamboo handle, Good quality/ piece
100.	Peon Book	Pacca binding/book/Unique, Neelgagan/each (rate quoted as per No. of Book)
101.	Log Book for vehicle	Pacca binding/book/Unique, Neelgagan /each
102.	Door mat (Coir),	24'x14' /each, Good quality
103.	Door mat (Coir, Coloured),	3'x1 1/2'/each, Good quality
104.	Paper cutting knife	Big/ Piece , Steel with synthetic handle
105.	Nepthaline ball	100 gm/ packet
106.	Stock Register	Per no./Unique
107.	Odonil	50gm/pkt
108.	Toilet brush	Made of Plastic (Good Quality)/Per piece
109.	Wash basin brush	Made of Plastic teeth with plastic handle(Good Quality)/Piece
110.	Table glass	8mm/Square feet
111.	Cotton	(Absorbent), Good quality/ medium size /roll
112.	Cotton	(Non absorbent), Good quality/ medium size/ roll
113.	Cotton gauge	Than
114.	Cotton mop	With stand
115.	Cotton mop	Plain
116.	Roll duster	With handle/each
117.	Glass & equipment cleaning spray	Aqua based /Colin/each
118.	Sterile pad	3 inch x 3 inch/roll
119.	Roll bandage	2 inch/roll
120.	Poplin cloths	Per meter
121.	Napkin paper	Per 100 pieces pkt.
122.	Calulator	12/Citizen-CT-912/ Big size/each
123.	White board writing pen	Per piece/Camlin/Kores
124.	White board duster	Per piece
125.	Stainless steel tea flask	50 Cup capacity/ Eagle/Balaji/Kamal /Piece
126.	Stainless steel tea flask	10 Cup capacity /Eagle/ Balaji/Kamal/Piece
127.	Rope (Nylon)	Small/Kg
128.	Rope (Nylon)	Big/Kg
129.	Rope (Jute)	Small/Kg
130.	Rope (Jute)	Big//Kg
131.	Plastic mug	1lit. cap./Piece

132.	Aluminum Jug	1 lit. cap./piece
133.	Spade	TATA, Big/each
134.	Spade	TATA, Small/each
135.	Belsa	TATA/each
136.	Spade handle	Per handle
137.	Sickle	Per piece
138.	Floor brush	Iron teeth with plastic holder/Piece
139.	Aluminum milk cane	20 lit. cap/Piece.
140.	Aluminum milk cane	40 lit. cap./piece
141.	Kettle	2 lit. cap, aluminum/Piece
142.	Electric kettle	1 lit. cap./piece/Philips or equivalent
143.	Carpet (Coir)	Per sq. mtr.
144.	Rubber pipe	1"/meter
145.	Plastic pipe	1"/meter
146.	Binding Clip	Per each
147.	Engagement pad	Per each
148.	Slate	Per each
149.	Clip board	Per each
150.	Rexin cloth	Per meter, Good quality
151.	Polythene bag (white)	20 micron Small & big size/Kg
152.	Battery operated torch light	3 battery /each/Eveready
153.	Torch light battery	1.5v /each
154.	Laboratory apron	Terry cot /each
155.	Surgical apron(Finished)	Cotton /each
156.	Gum boot	Quote different sizes/Pair
157.	Navy Blue Suiting/Teri cotton, Bombay dying or DCM with stitching charges	Per meter with tailoring charge.
158.	Navy Blue shirting/ Teri cotton, Bombay dying or DCM	Per meter with tailoring charge.
159.	Scissor	Numix gold streak 8.5 mm
160.	Pin remover	Best quality/ each
161.	Puncher	With plastic handle
162.	Screen cloth	
163.	Baygon	1 Liter
164.	Baygon Spray Pump	Plastic made
165.	Latrine Brush	
166.	Gestetner Copy Printer ink	CPI 2
167.	Gestetner Copy Printer Master	
168.	Highlighter pen	
169.	Photocopy paper	Legal size (JK)

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