



Office of the Principal
Government of Tripura
College of Veterinary Sciences & A.H.
R.K. Nagar, Tripura West, Pin – 799 008

No: F.04-34/STORE/EVS/INSTRUMENTS/RKN/2018-19/

Dated, R.K Nagar, The.,

2018

TENDER NOTICE

Tender in sealed cover is invited on behalf of the Governor of Tripura from the authorized Distributor/Dealers/Manufacturing firms of instruments, equipments & appliances etc. for supply of the items to the College of Veterinary Sciences & A.H., R.K. Nagar, West Tripura - 799008. The details of tender along with terms and conditions will be available in the Office of the undersigned (Store Section) on all working days till 01/12/2018 from 11 A.M. to 4 P.M. and also available in the websites www.arddtripura.nic.in, www.tenders.gov.in and www.tripurainfo.com. The last date of submission of tender in sealed cover super scribed as "Tender for Instruments, Equipments & appliances etc." should reach to the office of the undersigned on or before 31/12/2018 up to 4.00 p.m.

Tender will be opened on the next working day of the last date of the receipt of tender if applicable

Principal, 27/11/18
College of Vety. Sciences & A.H.
R.K.Nagar, Agartala, Tripura (w).



Office of the Principal
Government of Tripura
College of Veterinary Sciences & A.H
R.K. Nagar, Tripura West, Pin – 799 008

No.F 04-34 /STORE/CVS/INSTRUMENTS/RKN/2018-19/

Dated, R.K.NagarThe, 2018

NOTICE INVITING TENDER (NIT) FOR PURCHASE OF INSTRUMENTS, EQUIPMENTS& APPLIANCES FOR THE COLLEGE OF THE VETERINARY SCIENCES & A.H., R.K.NAGAR, WEST TRIPURA, DURING THE YEAR 2018-19.

Tender in sealed cover is invited on behalf of the Governor of Tripura from the resourceful and bonafied authorized local Distributors/Dealers/ Manufacturing firms of instruments, equipments& appliances etc. for supply of the items to the College of Veterinary Sciences & A.H., R.K. Nagar, West Tripura during the year 2018- 2019. The details of tender and the list along with specifications will be available from the Office of the undersigned (Store Section, College of Vety Sciences & A.H., R.K Nagar West Tripura) on all working days till 01/12/2018 from 11 A.M. to 4 P.M. Details are also available in the website www.arddtripura.nic.in and www.tripurainfo.com. The cost of blank tender form is Rs. 500/- (Rupees five hundred, Non-refundable) only which can be paid in the form of DD of any Nationalized Bank in the name of Principal, College of Veterinary Sciences and Animal Husbandry, R.K. Nagar payable at Agartala. The tenderers who will use downloaded form from the website also shall have to pay the cost of tender form Rs. 500/- (Rupees five hundred, Non-refundable) only separately in the form of DD of any Nationalized Bank in the name of Principal, College of Veterinary Sciences and Animal Husbandry, R.K Nagar payable at Agartala. Downloaded tender forms received without DD of Rs. 500/- shall be rejected. No blank tender form shall be supplied either by post or Courier to the tenderers. While quoting the rate, the tenderer must mention the Sl. No. of the items as per list (at Annexure-B) provided by the College along with the tender. The tenderers should also submit the details of tender in the form of CD. The last date of submission of tender in sealed cover superscribed as "Tender for Instruments, Equipments&appliances etc." through Speed Post/Registered Post/Courier Service, addressed in favour of the Principal, College of Veterinary Sciences & A.H. R.K. Nagar, West Tripura, PIN- 799008 on or before 4 P.M. of 31/12/2018 The Principal, College of Veterinary Sciences & A.H., Government of Tripura, R.K.Nagar, West Tripura shall have reserve the right to accept or reject any tender and extend the validity period of tender without assigning any reasons thereof

The details of tender are also available on websites

1 www.arddtripura.nic.in.

2 www.tripurainfo.com.


Principal, 27/11/18

College of Vety. Sciences & A.H.
R.K.Nagar, Agartala.Tripura (w).



Office of the Principal
Government of Tripura
College of Veterinary Sciences & A.H
R.K. Nagar, Tripura West, Pin – 799 008

TERMS & CONDITIONS FOR PURCHASE OF INSTRUMENTS, EQUIPMENTS & APPLIANCES FOR THE COLLEGE OF THE VETERINARY SCIENCE & A.H., R.K.NAGAR, WEST TRIPURA, DURING THE YEAR 2018-19.

Notice inviting tender (NIT) will be received by speed post/Registered Post/Courier services only in sealed cover addressed to the "Principal, C. V. Sc & A.H. Government of Tripura, R.K.Nagar, West Tripura, Pin- 799008" on or **before 4 P.M. of 31/12/2018**. NIT received after the aforesaid date and hours shall be rejected. The Principal, C. V. Sc & A.H. shall not be held responsible for any postal delay. Tenderers are requested to provide detail address along with phone, Fax Number and S.T.D code number for communication.

The cost of blank tender form is Rs. 500/ (Rupees Five Hundred, on-refundable)- which may be paid in the form of DD of any nationalized Bank in the name of Principal, C. V. Sc & A.H. Government of Tripura, R.K.Nagar, West Tripura payable at Agartala. The tender who will use the downloaded form from the website also shall have to pay the cost of tender form Rs. 500/ (Rupees Five Hundred, on-refundable)- which may be paid in the form of DD of any nationalized Bank in the name of Principal, C. V. Sc & A.H. Government of Tripura, R.K.Nagar, West Tripura payable at Agartala. Downloaded tender form received without DD of Rs 500/- shall be rejected. No blank tender form shall be supplied either by post or Courier to the tenderers. While quoting the rate, the tenderers must mention the Sl. No. of the items as per list (at Annexure-B) provided by the College along with the tender. The tenderers should also submit the details of tender in the form of CD.

- 1) On the top left side of the sealed tender N.I.T number, date, due date of opening should be mentioned. Tenders will be opened on the next working day of last date of receipt, if possible. Tenderer or their representative may remain present at the time of opening of the tender.
- 2) The interested bidders/tenderers shall submit the bids in 2 parts, i.e. 'Technical Bid ("**A**" envelope) and 'Financial Bid' ("**B**" envelope). The 2 bids A & B envelopes should be put in 2 separate sealed envelopes, indicating clearly on the cover as technical bid and other one is the financial bid. The 2 envelopes shall be placed inside a large sealed cover and the same may be submitted.

The technical Bid shall contain all details regarding the items offered by the bidder, compliances of terms and conditions, submission of documents, products catalogues & earnest money etc. In other words everything except the rate offered. **The Financial bid** shall contain only the rate offered by the bidder. The technical bids will be opened first and the bidder will be short listed on the basis of fulfillment of requirements as per terms & conditions. Thereafter, financial bids of only short listed bidders will be opened and **the lowest bidders will be selected and selection of item is subject to recommendation of the technical committee constituted by the Principal, C. V. Sc. & A.H.**

- 3) While quoting rate, the tenderers must mention the Serial No. of the item of tender lists as, provided by the College only along with tender.
- 4) As the items are clearly divisible and distinguishable, the successful firms/ tenderers shall be selected separately for each item.
- 5) The supply has to be executed within 30 (Thirty) days from the date of issue of the supply order. In case, failure of supply of the ordered item/items in full within stipulated period, both the Earnest money & Security deposit money are likely to be forfeited without further correspondence.
- 6) 10% of the value of ordered quantity shall have to be deposited by the Firm / supplier as Security deposit Money in the shape of D-Call from any Nationalized Bank in India within 10 days from the date of issue of the supply order which will be released after 1 (One) year, if full supply & installation of instruments/equipments is completed within the stipulated period including working of the machine in a satisfactory manner is ensured for a considerable period.

Contd...P/2

- 7) G.S.T & Income tax will be deducted from the bill as per Government rules.
- 8) In case of tenderers whose rates are accepted, as per terms & conditions of the tender, shall duly execute the supply.
- 9) The rates should be quoted both in figures and words clearly. G.S.T will be charged extra as per Govt. Rule. The rate should be quoted in Indian currency only.
- 10) The supply order will be issued once/at a time or in phased manner subject to availability of fund and as per requirement. The quantity may reduced or extend.
- 11) The lowest rate quoted by the tenderer will be determined on the basis of comparison of basic rate (i.e. excluding GST).
- 12) The following self certified/self attested documents should be submitted along with the tender:-

(A) Up to date Tax Clearance Certificate which will include: -

- (i) G.S.T Registration certificate.
- (ii) G.S.T Clearance Certificate (Sale tax clearance).
- (iii) PAN Card.

(B) Other Certificates


- (i) Up to date valid Trade License certificate of authorized local Distributors / stockiest / dealers / agencies / suppliers of manufacturing firms (Authorized in case of authorized Distributor-cum-tenderer.
 - (ii) Earnest money (E/M) for an amount of Rs.50,000/- (Rupees fifty five thousand) only shall have to be paid as fresh deposit at Call (D-Call) /Bank Draft of any nationalized Bank of India, drawn in favour of the Principal, College of Vety. Science & A.H., R.K.Nagar payable at Agartala has to be deposited along with the tender. In case of unsuccessful tenderers, the Earnest Money deposit (EMD) will be released after finalization of the tender, while in case of successful tenderers / suppliers the Earnest Money so deposited (EMD) will be released after successful completion of supply.
- 13) EMD/SMD shall not be applicable in case of Govt. organization/Public Sector undertaking FOR THAT CASE DOCUMENTARY EVIDENCE TO BE SUBMITTED TO THAT EFFECT.
- 14) Price quoted should be met F.O.R. Door delivery and installation also (if required in case to case basis) in good condition to the College of the Veterinary Science & A.H., R.K. Nagar, West Tripura, pin-799008.**
- 15) The supplier, who is not a manufacturer or who quoted rate for the product in favour of the manufacturer shall furnish a letter of authority from their behalf. Such supplier/tenderer shall also furnish an undertaking that in the event of acceptance of the rate he will supply the products of the manufacturer for which he quoted the rate.
 - 16) No. Insurance charge is admissible and the successful tenderer/supplier will be responsible for any breakage, damage and loss in transit on the way to destination.
 - 17) Any default or breach of contract by the suppliers will be subject to forfeiture of earnest money/security money & will be considered as blacklisted /delisted for participating future tender as per discretion of the Principal, College of Vety Science & A.H., R.K. Nagar, Government of Tripura.
 - 18) The Principal, College of Vety Science & A.H., R.K. Nagar, Government of Tripura, reserves the right to accept or reject any part of /all tender/tenderers without assigning any reason thereof.



- 19) The Principal, College of Vety Science & A.H., Agartala, Govt. of Tripura, reserves the right to terminate the contract or cancel the acceptance of rate or supply order at any time unilaterally without any notice before the expiry of the period for which the rates are now invited.
- 20) In case of any legal dispute the jurisdiction will be the High Court of Tripura, Agartala.
- 21) Payment of the successful tenderer shall be made by bill basis only after Completion of supply of the item/items including installation (wherever necessary) as ordered for. No advance payment will be entertained.
- 22) The rates will remain valid up to **31st March 2019**. No interim revision/Enhancement of rates will be entertained except imposition of any levy or increase in existing levy by the Government.
- 23) Tenders will open on next working day, if possible
- 24) Selection of items is subject to recommendation of the approved technical committee Constituted therefore.
- 25) A duly signed copy of terms & condition of the Principal, College of Vety Science & A.H., Agartala to be returned by the tenderers as a token of acceptance of the Departmental terms & conditions.
- 26) Tenders/Bidders should enclosed the product Booklets/catalogues of the company/manufacturer having details specification of the product/ Item & Illustration of product/ Item & model/product No. etc. in the sealed Tender along with authorization certificate from the concerned company/manufacturer that tenders/bidder is the authorized dealer/supplier/tenders/agent on behalf of that Company/manufacturer.

Mentioning or submitting the specification and model & Item No. etc of instruments/equipments in the plain paper/letter pad will not accepted.

Enlco: List of Instruments/Equipments
(Annexure-B)


Principal,
College of Vety. Sciences &A.H.,
Govt. of Tripura, R. K. Nagar, Agartala

ANNEXURE B

COLLEGE OF VETERINARY SCIENCES & A.H, R.K.NAGAR TRIPURA (W)

List of Equipments/ Instruments with specification to be purchased during the year 2018 - 2019

Sl. No.	Name of the Instrument/equipment	Specification	Required no.				
1.	Binocular microscopes	<p>Body: Aluminium die-cast metal frame with protective plastic covering</p> <p>Optical System: Infinity optical system</p> <p>Illumination System: Built-in transmitted illumination system</p> <p>LED power consumption: 0.5 W</p> <p>Focusing:</p> <ul style="list-style-type: none"> • Coarse movement stroke- 15 mm with • Coarse adjustment limit stopper • Torque adjustment for coarse adjustment knob • Fine focus knob with minimum adjustment gradations: 2.5 μm <p>Stage: • Mechanical fixed stage with • Size (W \times D): 174 mm \times 89 mm</p> <ul style="list-style-type: none"> • Travelling range (X \times Y): 76 mm \times 30 mm with • Specimen holder and • Specimen position scale <p>Observation Tube:</p> <ul style="list-style-type: none"> ➤ Type: Binocular, anti-fungal ➤ Eyepiece (anti-fungal): 10X Field Number (FN): 20 ➤ Tube inclination: 30° ➤ Interpupillary distance adjusting range: 48 – 75 mm ➤ Eyepoint adjustment 370.0 – 434 mm with ➤ Condenser: <ul style="list-style-type: none"> • Abbe condenser NA 1.25 with oil immersion • Built-in aperture iris diaphragm <p>Objectives: Plan Achromatic, anti-fungal with 4X- W.D. 27.8 mm; 10X- W.D. 8.0 mm; 20X- W.D. 2.5 mm; 40X- W.D. 0.6 mm; 100X-Oil -W.D. 0.13 mm</p> <p>Dimensions: (W \times D \times H) 198 mm \times 398 mm \times 386 mm</p> <p>Weight: should be below 6 kg</p> <p>Voltage/Electric Current: AC 100 – 240 V, 50/60 Hz, 0.4 A</p> <p>Power Consumption: should be less than 3 W</p> <ul style="list-style-type: none"> • Grip for holding microscope with cable storage compartment • Should have built-in security slot with focus lock knob <p>Warranty: 2 years warranty.</p>	8				
2.	Stereoscope	<p>Magnification 4X, Reflecting mirrors compass in wooden casing.</p> <p>Warranty: 2 years warranty.</p>	01				
3.	Electronic Weighing balance	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">CA-224D</td> <td style="width: 25%;">60/220 g</td> <td style="width: 25%;">0.00001/0.0001 g</td> <td style="width: 25%; text-align: center;">80</td> </tr> </table> <p>Warranty: 2 years warranty.</p>	CA-224D	60/220 g	0.00001/0.0001 g	80	01
CA-224D	60/220 g	0.00001/0.0001 g	80				

4.	Insect boxes	3/8" pinning board covered with white ethafoam on bottom of box. Outside measurements 10-1/8" x 12" x 2-1/2". Inside depth 1-7/8".	01
5.	Staining rack	-----	01
6.	Light Traps	Reputed company	01
7.	Delivery Hook for Sheep & Goat	Stainless steel made	01
8.	Delivery Forceps for Sheep & Goat	Stainless steel made	01
9.	Blunt Lambing Hook	Stainless steel made	01
10.	Hair Clipper Manual	Stainless steel made	01
11.	Vernier calipers,	Stainless steel made	01
12.	Screw gauge,	Stainless steel made	01
13.	Pig holder	Stainless steel made	01
14.	Delivery Forceps for Sow	Stainless steel made	01
15.	Pig Tooth Cutting Forceps	Stainless steel made	01
16.	Pig Identification Ear Tag	Strip type Aluminium with Number Engraved	01
17.	Pig Ear Tag Applicator	Standard	01
18.	Pig's Self Piercing Ring	Stainless steel made	01
19.	Needle teeth nipper,	5"L,	01
20.	Digital hygro thermometer	Standard	01
21.	Monocular Microscopes	Monocular die-cast body, inclinable up to a horizontal position (90°) with magnification of 100X to 600X. Plain square stage of 100 X 100 mm, with two clips, mechanical stage (optional). Triple hole nosepiece with positive click stops for precise and smooth alignment of objectives with coarse & fine focusing knobs. Eyepieces of 10X and 15X. Objectives must be hard anti-reflection coated, colour coded Par focal Achromatic 10X and 40X. Built-in sub-stage condenser with iris diaphragm Warranty: 2 years warranty.	12
22.	Phase Contrast Microscope	Compensation Free Trinocular Head, inclined at 30°; Inter-pupillary Distance of 55mm-75mm with eyepiece of WF10 / 22mm; Infinite phase contrast objective: 4X, 10X, 40X, 100X Oil; Double layers mechanical stage with the size of 180 - 150mm and moving range of 75 - 50mm; Fine focusing scale Value of 0.002mm and illumination with Halogen tungsten bulb 12V/20W.AC 85V-230V; Built-in low-drive, mechanical stage features smooth-moving coaxial controls. All metal internal parts ensure long-term durability. Built-in, 3/5-megapixel camera capturing still images or video onto a computer. Warranty and AMC: 2 years warranty and 3 years AMC.	1
23.	Horizontal gel casting apparatus with power pack	Single cast mould to prevent leakage; Mini-7x10cm gel tray UV transparent- 1.5 mm and 1.0 mm thick, 10x15 well comb (2 pairs) detachable electrodes, 15x15cm UV Transparent gel tray, tape free gel caster along with casting gates.; Large: 15x25cm gel tray UV transparent gel Tray, 15, x20x30well 1.5x1.0mm thick combs (2 each) Detachable electrodes, 15x15cm UV Transparent gel tray, tape free gel caster along with casting gates, optional preparative combs. Power Supply: 5-200 V in 1 V step 200W maximum; Type of output: constant voltage or current with automatic crossover; Output terminals: 4 recessed sets in parallel Timer: 0.999 minutes; Safety features: No load detection, ground leak detection, sudden load change detection, overload/short circuit detection, auto power up after power failure. Warranty: 2 years warranty.	1
24.	Digital water bath (with digital thermostat)	Inner chamber and outer body of SS 304; Heating up to 95°C; Digital temperature Indicator cum controller with precise accuracy of ±1°C; Shaking speed range from 40 to 180 strokes per min.; Stroke length 25 mm.; 220-240 Volts 50 Hz	1

		Single Phase; Test tube racks of different sizes (options) : 50 ml x 12 flasks, 150 ml x 9 flasks, 250 ml x 6 flasks, 500 ml x 4 flasks, 1000 ml x 2 flasks, 2000 ml x 1 flasks; The unit should be double walled with exterior body and inner chamber of stainless steel having effective insulation in between. A special pyramid type cover provided avoids evaporation of water and makes condensed water to fall back in the bath. A cock to facilitate draining of bath contents; Standard unit with tray accommodating 12 flasks x 100 ml. Warranty: 2 years warranty.	
25.	Autoclave (Vertical)	YSI-403 Yorco H.P. Sterilizer. Table Top Autoclave of 20 ltr capacity, with stainless steel body of acceptable grade. It should provide sterilization at 121°C and 134°C with pre-selectable sterilization time. Inbuilt water tank with automatic water level sensors and should have automatic pressure door locking system when sterilization under pressure is in progress, to prevent accidental door opening. Audiovisual alarm to indicate end of process. Safety valve to release excess pressure to prevent accident. Alphanumeric display to set the protocol with soft keypad. Vertical, 300 x 500 mm, 2.0 KV with 15-20 psi. Warranty: 2 years warranty.	1
26.	Horizontal Laminar air flow	Stainless Steel body with LED Display, 300 Lux intense illumination, Low noise, Corrosion Resistant and Robust Construction; Type: HEPA Filter; Structure: Floor Standing; Air Volume: min 400 m ³ /h; Application Area: 31-40 m ² Warranty: 2 years warranty.	1
27.	Micropipettes (Single channel) 0.1µl-1µl, 0.1µl-0µl, 1µl-10µl, 10µl-100µl, 20-200µl, 100µl-1ml	With maximum precision Warranty: 2 years warranty for all.	1 No. each
28.	Electrocardiogram battery operated or portable model	12 channel ECG recording with 12 lead simultaneous acquisition and minimum of 5 inch Titable LCD display, alpha numeric keyboard and built in memory to store patient data, direct standard USB flash drive mode, atleast 3 print modes like pre-sample, Real time and arrhythmia triggered sample facility for ECG parameter measurement and interpretation, should have optional PC interface facility, should have floating input circuit protection for defibrillator and pace maker, should be having both electrical and battery mode, should have recording speed of 5, 10, 12.5, 25 and 50 mm/sec, must be supplied with standard accessories to run the machine along with paper roll, jelly bottle and User manual. Should be with alligator clamps. Warranty: 2 years warranty.	1
29.	Shadow less LED Lamp	Good quality veterinary standard	1
30.	Micro haematocrit centrifuge with tubes set	RCF 18260xg; Includes Hematocrit rotor, 24 x capillary tubes; LCD display; Brushless. Timer commences once the set speed is reached. Warranty: 2 years warranty.	1
31.	Surgical pack for Small Animals	1. Allies tissue holding forceps 6" – 6 No. 2. Artery forceps 6" – 6 Nos 3. Babcock forceps 6" 4 Nos 4. B.P Handle 3 & 4 combined – 1 No 5. Suture needle Curved atrumatic– One pack 6. Suture needle Straight atrumatic– One pack 7. Suture needle Curved trumatic– One pack 8. Suture needle Straight trumatic– One pack 9. Suture holding forceps – 1 No	5

		10. Mayos Scissors 6" – 2 Nos 11. Metzenbaum scissors 6" – 2 Nos 12. Thumb forceps ^" – 1 No		
32.	Surgical Pack for Large Animals	1. Allies tissue holding forceps 8" – 6 No. 2. Artery forceps 8" – 6 Nos 3. Babcock forceps 8" 4 Nos 4. B.P Handle 3 &4 combined – 1 No 5. Suture needle Curved atrumatic– One pack 6. Suture needle Straight atrumatic– One pack 7. Suture needle Curved trumatic– One pack 8. Suture needle Straight trumatic– One pack 9. Suture holding forceps – 1 No 10. Mayos Scissors 8" – 2 Nos 11. Metzenbaum scissors 6" – 2 Nos 12. Thumb forceps ^" – 1 No	5	
33.	UV-VIS Spectrophotometer	Micro controller based. 20 ×4 alpha numeric LCD display, automatic source optimization. Range: 200-1100 nm. 1 nm bandwidth. Measuring mode: Percent Transmittance (%T), Absorbance (ABS), concentration (Conc). Operating mode: Single wavelength, multi wavelength, spectrum scan, and Time scan, Detector: UV-enhanced wide range solid state photodiode. Automatic 5 position sample changer (10 mm path length). 500 µl sample in 1 ml cuvette and 2 ml in 4 ml cuvette. Data processing stand alone and with PC connection. Accessories two nos glass and quartz cuvettes of 1 ml volume (10mm path length). Provided one year warranty support. Should have authorized local/regional service engineer for regular maintenance with name and address. Mention instrument model number/name with printed brochure. Warranty: 2 years warranty.	1	
34.	Ultrasonography machine with rectal abdominal probe	Dimensions	24.0 x 17.0 x 6.0 cm	1
		Unit weight	1557 g	
		Probe weight	265 g	
		Battery weight	655 g	
		Image presentation (projection) mode	Real-time imaging, B Mode, B+B Mode	
		Type and probe frequency	mechanical, sector (rectal or abdominal) 5.0 MHz (frequency range 3.5-7 MHz)	
		Penetration depth	abdominal probe: to 7 10 12 15 20 cm	

			rectal probe: to 7, 10, 12 cm	
		Scanning angle	90°-abdominal probe, 180°- rectal probe	
		Display	6.4 inch TFT LCD	
		Keyboard	membrane	
		Image memory	200 images with date, index No.	
		Cine loop	up to 119 frames (15 sec.)	
		Transmission to the computer	via USB2.0	
		Power supply	external battery, Ni-MH, 12V, 3.8Ah	
		Continuous operation on fully charged battery	about 4 hours	
		Charging time	1 hours 45 minutes	
		Battery exhausted indicator	automatic – acoustic and visual signal	
		Operating temperature range	+5°C to +40°C	
		Storage temperature range	0°C to +45°C, The set includes: scanner's body,, carrying strap, which allows hanging the device on the neck, waist belt, mechanical probe (rectal and/or abdominal) depending on the client's choice, 2 packages of external batteries, battery charger, power cable for the charger, cable connecting the battery with the scanner's body (30 cm), USB cable for data transmission, bottle of ultrasound gel, manual and Explorer transport case.	
35.	Conway diffusion disc	O. D. Of 83 mm. Moat depth of 4 mm. Chamber depth x diameter is 10 x 60 mm. Center depth x diameter is 4 x 35 mm. Steam autoclavable at 121 °C.		5
36.	Micro-kjeldahl set	All glass steam generator, Steam trap, vacuum jacketed micro kjeldahl distillation unit with sample input funnel, silver lined steam condenser, receiving flask, complete with heavy duty stands, tubing Warranty: 2 years warranty.		1
37.	Stethoscopes	Chestpiece: Dual head & diaphragm. Diaphragm: Tunable diaphragm Binaural: Dual-leaf spring encased		3
38.	Lux meter,	LCD display, 3 ranges (0-2000, 0-20000, 0-50000), resolution, 1, 10 & 100 lux, photo diode with colour correction filter, internal "0" adjustment, battery / mains operated		1

39.	Sling psychrometer,	Dry, wet bulb, with F and C scale. Temperature range -25 to +120F or -5 to +50C	1
40.	Barometer,	To measure absolute atmospheric pressure of 710 mm Hg – 790/800 mm Hg and 940 – 1070 mbar, 130 mm diameter. Warranty: 2 years warranty.	1
41.	Dew point hygrometer	Digital thermo hygrometer, large LCD display, RH range – 10-99%, temperature range -25 to 70C; accuracy 1C and 5% RH. Power/battery operated. Thermo hygrograph: with rotating drum for the recording of temperature & RH for selectable periods of 24hrs, 7 days, 31 days, 62 days or 93 days. Keypad protection mechanism, time set delay to prevent unintentional change in chart speed. Warranty: 2 years warranty.	1
42.	Anemometer,	An electronic battery operated wind speed meter measures speed in m/second, km / hr., ft / min and knots. Size: 168 x 80 x 35 mm, sensor head. Dia: 72 mm	1
43.	Colorimeter	Filters: 8, output OD: 0 – 1.99, resolution OD: 0.01, accuracy 0.5% FS ± 1 digit. Light source-white LED, Power 230 V ± 10% AC, 50Hz, filter range 400- 700 nm, with accessories. Warranty: 2 years warranty.	1
44.	Maximum Minimum Thermometer,	Thermometer as per standard	1
45.	Digital pH meters	Laboratory PH meter, with manual temperature compensation and combination PH Electrode 3-1/2 digit LED display. With castor wheels , Gamma irradiated Warranty: 2 years warranty.	1
46.	Ophthalmoscope direct hand held	SS handle plugged into be recharged. Head with control for amount and shape of light. Control for depth of penetration.	1
47.	Otoscope	Good quality veterinary standard	1
48.	ECG Machine	12 channel ECG recording with 12 lead simultaneous acquisition and minimum of 5 inch Titable LCD display, alpha numeric keyboard and built in memory to store patient data, direct standard USB flash drive mode, atleast 3 print modes like pre-sample, Real time and arrhythmia triggered sample facility for ECG parameter measurement and interpretation, should have optional PC interface facility, should have floating input circuit protection for defibrillator and pace maker, should be having both electrical and battery mode, should have recording speed of 5, 10, 12.5, 25 and 50 mm/sec, must be supplied with standard accessories to run the machine alongwith paper roll, jelly bottle and user manual. Warranty: 2 years warranty.	1
49.	Stomach Tube	10 ft long	1
50.	Uterine biopsy catheter	Used to obtain histological tissue biopsy and extract sample of uterine discharge content. Should be with Centimetre marking and smooth round tip.	2
51.	Enema can	Enema can/Douch can – Square 1500 ml; square shaped transparent can as a complete set of 3 pieces	2
52.	Slide warmer	Stage heater with adjustable temperature to keep the microscope stage warm, Digital temperature display system.	1
53.	Intra-uterine catheter	Made of stainless steel. Smooth edge. Provision to fix disposable syringe in the outer end of the catheter.	10
54.	Urinary catheter	Made of stainless steel. Smooth edge. Provision to fix disposable syringe in the outer end of the catheter.	3
55.	Sausage filler or Sausage maker	Outer body, cylindrical, piston and cylinder all made of stainless steel POWER: 220 Watt Cylinder capacity : 5 litre Productivity: 30 kg/hour Filling tube: PP-3 Nos. Warranty 2 years warranty	1
56.	Food processor	Power: 1000 W	1

	(Bajaj FX 1000 Fab 1000W food processor)	16 functions from 9 attachments Package Dimension: 57.4x38.9x28.7 cm; 4.66 kg. Warranty: 2 years warranty	
57.	Pressure cooker	Heavy Stainless steel made, 10 litre capacity Warranty: 5 years warranty	1
58.	Bleeding or Killing cone for chicken	SS 304 constructed with stand, Rotating Triangular, Hexagonal, Octagonal killing cone frame Splash guard, Stand with Blood collection hopper, Blood collection plastic tub sin, 4 nos. of Killing Cone. Warranty: 2 years warranty	1
59.	Screw gauze	Micrometer screw gauze which is made of heavy stainless steel with accurate marking. Given in velvet box. 25/100 mm least counts. Warranty: 2 years warranty.	5
60.	Spherometer	Triangular shaped heavy cast metal table with three accurately positioned pointed steel legs at its underside. Centre of table has a stainless steel micrometer head at its centre with a graduated circular table capable of measuring displacement as small as 0.002 mm. The circular table screws/unscrews along a vertical scale graduated in mm. Warranty and AMC 2 years warranty and 3 years AMC	5
61.	Lactometer	Glass body (lactometer and cylinder). Calibrated at 84 degree F, Scale graduation 0-40, divided into 1 degree. Available with accuracy tolerance: +/-0. Product dimension: 30x7x8 cm. Warranty and AMC 2 years warranty and 3 years AMC	10
62.	Vernier Calliper	Size: 0-150 mm, Count +/- 0.02mm, hardened steel construction, way measurement inside, outside, depth, step with fine adjustment and locking screw. Warranty and AMC 2 years warranty and 3 years AMC	2
63.	Evisceration table	SS Evisceration table, centre drain hole for offal and water to drain, has lip to prevent water and waste from falling the ground. Dimension: 48"x26"x3". Warranty: 2 years warranty.	1
64.	Small Animal Anaesthetic Apparatus	<ul style="list-style-type: none"> a) Complete integration of Anesthesia system and CO₂, Absorber system b) Stainless steel, Aluminum frame body & drawer storage unit with work tray on wheels c) Colour coded PIN indexed pipeline connections d) Pin indexed yoke for one O₂ & one N₂O cylinder e) Four tube Rotameter for O₂ & N₂O f) Single Drager or Penlon Vaporizer – Precision with provision to park standby vaporizer on side) g) Non –Return valve on back bar to protect vaporizer h) Emergency O₂ flush button & patient safety blow off valve at 50 cm of H₂O i) O₂ Reservoir Storage for Back-up & Auxiliary O₂ out-let j) Filled CO₂ Absorber with dual canister, Auto/Manual Ventilation switch bellows assembly 	1

		<p>k) Two number of E type oxygen cylinders l) One number of N₂O cylinder m) Two number of Closed circle system breathing circuits n) Assorted Cuffed endotracheal tubes with ID from 4 to 12 – 12 numbers o) One number of illuminated laryngoscope – 3 blades p) One rebreathing bag – 1.5 liters q) One rebreathing bag 3 liters r) 5 Kg x 2 NUMBER OF Soda lime for CO₂ absorption s) Ambu bag with mask t) Warranty and AMC: 2 years warranty and 3 years AMC</p>	
65.	Shadow less lamp – Double Arm	<p>Double arm with LED illumination Warranty: 2 years warranty.</p>	1
66.	Portable ECG Recorder with printer	<p>12 channel ECG recording with 12 lead simultaneous acquisition and minimum of 5 inch Titale LCD display, alpha numeric keyboard and built in memory to store patient data, direct standard USB flash drive mode, atleast 3 print modes like pre-sample, Real time and arrhythmia triggered sample facility for ECG parameter measurement and interpretation, should have optional PC interface facility, should have floating input circuit protection for defibrillator and pace maker, should be having both electrical and battery mode, should have recording speed of 5, 10, 12.5, 25 and 50 mm/sec, must be supplied with standard accessories to run the machine alongwith paper roll, jelly bottle and user manual. Warranty: 2 years warranty.</p>	1
67.	Electronic Animal weighing balance (Digital, Weigh Bridge type)	<p>Capacity 1kg - 150 kg, accuracy-10/20 g, platter-SS, power supply-230VAC, 50Hz, Display colour/digit-red/6digit, number of keys- 5 keys, long battery backup. Warranty: 2 years warranty.</p>	1
68.	Ear Tag applicator	<p>Should make deep jaw and proper grip, easy to handle, additional replacement pin. For fixing tag of cattle, sheep goat. Stainless steel made.</p>	3
69.	Sprayer	Manual/ Electrically operated	2
70.	Branding set		
	a. Hot branding iron 0-9	Good quality	1
	b. Hot branding iron A to Z	Good quality	1
	c. Branding ink	Capacity- 500 ml	4 no.
71.	Egg Candler	Electrical LED portable	1
72.	Mc'Intosh and field's anaerobic jar	Stainless steel make with pressure gauge Size 35X19X17 cm working voltage 220 volts	2
73.	Immuno electrophoresis apparatus	<p>Basic unit (1 no.), platinum electrode assembly (2 nos.), glass plate 75 x 50 mm (6 Nos.)Glass plates 50 x 50 mm (6 nos.)CIE template (1 set), gel puncher 4.0mm (1 no.)Acrylic template with well former and U spacers(1 set), lid (1 no.), connecting cord (1 set) with power pack Warranty and AMC: 2 years warranty and 3 years AMC</p>	1
74.	Dental drill machine(for egg inoculation)	<p>Voltage: 230/115 V / 50-60 Hz Power: 130 VA Speed: 2000 - 30TM000 Rpm Dimension: 170 x 100 x 95 mm Net weight: 2.5 kg Warranty: 2 years warranty.</p>	1

75.	Digital Camera SLR	Dimension: Width – 125mm, Length – 64, Height – 96mm, Thickness – 76.5mm Megapixel: 24.2MP, Focal Length – 18 – 55mm Warranty: 2 years warranty.	1
76.	Video Camera (Sony) Camcorder HD	2.2 megapixel (Video), 2.2 megapixel (Image) Exmor R CMOS Image Sensor. 30x Optical Zoom and 350x Digital Zoom, Full HD Recording, 3 inch Clear Photo TFT LCD, 35 mm Equivalent Focal Length: 29.8 - 894 mm, f/1.8 - f/3.4 Aperture Warranty: 2 years warranty.	1
77.	Exhibition Panel/ Panel Board with stand	Standard specification	4
78.	Smart android LED TV	Smart android LED TV with pen drive facility 70" (inch) or near above with Warranty: 2 years	1
79.	Vertical Autoclave	YSI-403 Yorco H.P. Sterilizer. Table Top Autoclave of 20 ltr capacity, having the complete body of stainless steel of acceptable grade. It should provide sterilization at 121°C and 134°C with pre-selectable sterilization time. Inbuilt water tank with automatic water level sensors and should have automatic pressure door locking system when sterilization under pressure is in progress, to prevent accidental door opening. Audiovisual alarm to indicate end of process. Safety valve to release excess pressure to prevent accident. Alphanumeric display to set the protocol with soft keypad. Vertical-300x500 mm, 2.0 KV with 15-20 psi. Warranty: 2 years warranty	1 no.
80.	Bacteriological Incubators	Incubator Bacteriological (M. Type), Size: 455×455×455 mm with 2 shelves, inner chamber made of Anodized Aluminium or Highly Polished Stainless Steel. Outer chamber is made of Mild Steel Sheet. Outer chamber is made of Mild Steel Sheet. <i>Accessories:</i> Digital Indicator – cum – Controller Electronic in lieu of L-shaped thermometer & thermostat. Warranty 2 years warranty.	1 no.
81.	L'moulds and blocks or (for embedding) or Tissue capsules	L'mould – made of metal Sizes :- 37 × 25 × 15 mm pair 50 × 25 × 15 mm pair 75 × 30 × 19 mm pair Tissue capsules- made of stainless steel with sliding cover Sizes:-28x28x9mm and 20x20x10 mm	L-mould- 4 pairs each Tissue capsule- 09 nos. Each
82.	Autopsy table for small animals	Made of stainless steel, with trolley, 5ft x 3ft, drainage facility at the centre and raised borders	01
83.	Disposable microtome blade	Disposable blade, Length: 80 mm, made of stainless steel, 50 blades per box, storage compartment for used blades at the back of the box	05 box
84.	Hot Air oven (Temp. 250°C)	Display: Digital Temperature Range: 50°C to 250°C Size (mm X mm X mm): 450x450x450 Nominal voltage: 220-230 Volts Nominal power: 1500 – 2000 W Temperature Sensitivity: +/-0.5°C Readability: 0.1°C Temperature Control: Micro Processor Based Temperature Controller cum Indicator, sturdy double walled units, inner chamber should be made of stainless steel and outer made of mild steel with power coating. - Gap between the walls to be fitted with glass wool insulation to avoid heat losses. - Heating elements are to be made of high grade chrome plated microme wire.	01

		<ul style="list-style-type: none"> - Temperature to be controlled by thermostat. - Air ventilations should be placed on top of both sides to remove hot gases / fumes. - All the control switches & pilot lamps are to be fitted on the front panel. Trays should be supplied with G. I. Wire mesh. <p>Warranty: 2 years warranty.</p>	
85.	Double distillation unit	Borosil made, All glass double distillation units, with borosilicate boiler, borosilicate condenser & Quartz heater, horizontal type. Capacity – 1.5L, 3362041 Warranty: 2 years warranty.	1
86.	Silicone tube	Borosil, Silicone tubing for distillation unit and laboratory application 10 m 8mm x 12 mm, 3369003	10 x 1
		Borosil, Silicone tubing for distillation unit and laboratory application 10 m 6 mm x 9 mm, 3369002	10 x 1
87.	Antibiotic zone reader	Digital display, range: 0mm to 35mm, readability 0.1mm Warranty: 2 years warranty.	1
88.	Magnetic stirrer bar	With pivot ring, dimensions: 6× 10 mm, 9.5 × 40 mm, 12.7 × 76, 8× 65mm	1 each
89.	Micropipette	Capacity (µl): 0.5 to 2, 2-20, 20-200, 100-1000, Warranty: 2 years warranty.	1 each
90.	Soxhlet Apparatus	Borosil, Extraction apparatus Soxhlet complete with Allihn condenser interchangeable joint. 3840013 Capacity – 60 ml	6
91.	Spatula (iron and ebonite)	Stainless steel (total length = 1ft.)	10
92.	pH meter (digital)	Laboratory PH meter, with manual temperature compensation and combination PH Electrode 3-1/2 digit LED display. Warranty: 2 years warranty.	1
93.	Compound Microscope	Microscope with bright field illumination Warranty: 2 years warranty.	10
94.	BP blade	Surgical blade number-24	100
95.	Drilling machine for skeleton mounting	Bosch (Pistol grip drill, cordless, chuck size- 10 mm)	1
96.	Crude fibre Estimation Apparatus Hot Plate Type	<ul style="list-style-type: none"> • Six place heater and operated by individual energy regulator. • Electrically operated on 220/230 volts main maximum power total rating AC 1600 watts • Supplied with six tall form spout less beakers (1000 ml capacity), six bulb type condenser and clamps for holding glass parts. <p>Warranty: 2 years warranty.</p>	1
97.	Nitrogen distillation apparatus and protein digester	Macro-Kjeldhal Warranty: 2 years warranty.	1
98.	Electronic Weighing balance	Capacity 1kg - 150 kg, accuracy-10/20 g, platter-SS, power supply-230VAC, 50Hz, Display: colour - red/6digit, number of keys- 5 keys, long battery backup. Warranty: 2 years warranty.	1
99.	Heating Mantle	Heater with 500 ml capacity with 6 mantles	1