

**BANNERGHATTA BIOLOGICAL PARK, BANNERGHATTA, BANGALORE –560 0 83**

NO. A3/BBP/e-Tender/Vet Equipements-CAMPA/2021-22

Date :20/ 12/ 2021

DETAILED TENDER NOTIFICATION

It is hereby notified for the general information to the public that the Executive Director, Bannerghatta Biological Park, Bangalore herein after referred as Tender Inviting Authority, has invited e-Tender for **Supply of veterinary medical equipments** through e-procurement portal of Karnataka Government <http://eproc.Karnataka.gov.in> from the reputed manufacturer or dealers to Bannerghatta Biological Park, Bangalore.

SCHEDULE OF EVENTS		
1	Tender documents will be available in e-procurement portal	21-12-2021 onwards
1	Last date and time for tender queries and clarifications (over phone during office hours)	11-01-2022
3	Last date and time for Uploading bid documents in e-procurement portal (http://www.eproc.karnataka.gov.in)	12-01-2022 up to 4.00 P.M
4	Date and time for opening of tender in the Office of the Executive Director, Bannerghatta Biological Park, Bangalore – 560 083	15-01-2022 at 11.30 AM

Terms & Conditions:

1. The Tender form will be available in e-Procurement portal, <https://eproc.karnataka.gov.in> (Department Selection: Zoo Authority of Karnataka)
2. Tenders sent otherwise than through e-Procurement portal shall not be considered.
3. In case of closure of the office of the under signed due to unavoidable circumstances on the above date, tender will be opened on the next day
4. Intended persons/firms should submit copies of the following documents.
 - a) Copy of authorization for sales/distribution by manufacturer.
 - b) Copy of PAN card and copy of the recent IT returns filed.
 - c) Copy of GST
 - d) Copy of VAT/CST and copy of the recent returns filed.
 - e) Turnover certificate for past 2 years
 - f) Upload all technical device specification sheets as provided by the manufacturer
 - g) Declaration that they have not been black listed/debarred by any Government Agencies/Government Department/PSU/Board or similar organization.
5. **The rate quoted by the tenderer shall be for complete equipment which includes all lead, lift, loading, unloading, fixing charges, all taxes, royalty, etc., payable to government and/or local bodies, etc., in the region.**
6. Technical literature covering full technical specifications should be provided as supplied by the manufacturer.

7. The persons/firms/companies should have the ability to install service and maintain/repair the system and should provide the training for the staffs of BBP.
8. The persons/firms/companies is responsible for guaranty/warranty of all items supplied under the contract.
9. The persons/firms/companies shall submit the annual maintenance contract for the system maintenance to be carried out after the expiry of warranty period.
10. The warranty period should be for a minimum period of one year.
11. The tender should be accompanied with **EMD** which shall be through e-Procurement portal

Mode of payment

1. Credit card
2. Debit card
3. NEFT
4. OTC

For more help contact e-procurement cell – 080-22371090/22340060/22340948

12. Any tender submitted without the earnest money deposit (EMD) shall not be accepted at any cost and shall stand rejected.
13. Tenders received, but not in accordance with the terms and conditions mentioned herein will be rejected without giving any reason for such rejections. No further correspondence will be entertained in this context.
14. All communication pertaining to the tender will be sent to the address given at the time of online submission of tender. The tenderer shall make proper arrangements to receive without delay all communications sent to such address or by phones.
15. During the period of evaluation of tender or during the course of contract, if any copies of documents produced or any information furnished are found to be false or mischievous, the undersigned shall have the powers to reject the tender or terminate the contract. In such case, the Tenderer/Contractor shall be held responsible for all consequences and earnest money deposit paid by them with the tenders will be forfeited.
16. Tenders from persons/firms/companies who were convicted in any court of law for offences involving moral turpitude in relation to his business dealing and /or insolvent and/or who have failed to pay government dues and/or who are minor, will not be accepted and the Security Deposit paid by them with the tenders will be forfeited.
17. The earnest money deposit of unsuccessful tenderer will be refunded through e-portal after the tenders are finally accepted or otherwise as decided by the undersigned.
18. The Member Secretary (Zoo Authority of Karnataka) being the tender accepting authority reserves the right to accept or reject any or to negotiate the tender rate or all tenders without incurring any liability or obligation to inform the applicants of the reasons for such action.
19. The successful Tenderer shall deliver to the employer a security deposit for an amount equivalent to 5% of the Contract price and which shall be kept with the Executive Director, Bannerghatta Biological Park till the satisfactory completion of the contract period of one year.
20. The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Security Deposit.
21. The date of notifying the orders of acceptance of the tender on the notice board of the office shall deemed to be the date of communications of acceptance of the tender to the successful tenderer for the due fulfillment of the conditions of the tender by the successful tenderer
22. The successful tenderer should supply the equipments of the specified specifications and fix the same in the zoo hospital/Rescue Center as directed by the officer in charge within 15 days from the date of communication of supply order, failing which the earnest money deposit paid by him shall stand forfeited and he shall also be liable to make good the loss if any sustained by zoo authority on account of re-tender or any other alternate arrangement for procurement.
23. No advance payment will be made to the successful tenderer. Full payment will be made against supply and fixing equipment in good condition and after satisfactory certification by the officers concerned.

24. Contractor will be permitted to work normally during the regular working hours i.e. 8 am to 6 pm. Contractors are cautioned that if any breach regarding restrictions on smoking etc., are committed by him or his workmen the contract is liable to be terminated without notice, besides the contractor has to make good loss if any measured by the BBP
25. The successful tenderers should maintain the installed system for 2 years and all other accessories for 1 year date of installation.
26. The tenders shall remain open for acceptance or rejection by the competent authority for a period of 90 days (Ninety days) from the date of receiving tenders.
27. In case any dispute arises between the supplier/contractor and Executive Director of Bannerghatta Biological Park the appeal lies with Member Secretary, Zoo Authority of Karnataka, Mysore and his decision will be final.
28. Further, in case of any query, clarification can be had from the undersigned and also refer website <https://eproc.karnataka.gov.in>. The tenderers need to be registered in e-procurement cell, Room No. 141, Room No. 141, Gate No. 2, 1st floor, M.S. Building, Bangalore to obtain user ID and Password for participating in e-Tender. For more details please contact e-procurement cell – 080-22371090/22340060/22340948

SCHEDULE

Unit No.	Particulars of commodity	Qty	EMD to be furnished (in ₹.)	Tender Processing fees (₹.) (including all taxes)
1	Multi Patient Monitor	02 Units	4,000	As per e-procurement portal
2	Inhalant Anesthesia Workstation	01 Unit	12,500	
3	Ultrasound Machine	01	40,000	
4	Battery Operated Portable X-Ray Machine	01	32,500	
5	Retrofit Veterinary DR System	01	32,500	
6	Surgical Diathermy/ Electrocautery with Vessel Sealant	01	9,500	
7	Surgical Cautery without Vessel Sealant	01	1,750	
8	Veterinary Operation table	01	3,500	
9	SS trolley with Racks/ Crash Cart	02	1,700	
10	Single Dome LED OT light	01	2,500	
11	Surgical Instruments	01	3,250	
12	Endotracheal tubes	01	2,250	
13	Vertical Autoclave	03	3,000	
14	Vet Oxygen Concentrator 5L	02	3,750	
15	Suction apparatus	02	875	
16	Vet Direct Ophthalmoscope and Otoscope	01	1,000	
17	Vet Dental Scaler	01	750	
18	Vet Video Endoscope/ Gastroscope specifications	01	32,500	

SPECIFICATIONS

Sl No	Particulars	SPECIFICATIONS
1	Multi Patient Monitor	<p>Multi patient monitor compatible for wide range of animal species required with following features</p> <ul style="list-style-type: none"> ➤ Monitor should have integrated non-invasive, invasive measurements & features suitable for small, medium and large animals. (Cat, Dog & Horse) ➤ Normal use/ Battery operated with back up of upto 60min ➤ ECG/ HR/ RR: Digital ECG and Limb leads with chrocodile clips with optimal sensitivity for Heart rate and respiratory rate ➤ NiBP: Auto measurement for varied range of Blood pressure and Pressure cuff ranges for Neonates, adolescent and adults. ➤ Pulse rate: automated measurement ➤ Digital SpO2: Tongue sensor probe for animals ➤ Temperature: automated measurement with cable ➤ Standard Accessories ➤ Provider should provide service when required and should be located in nearby area
2	Inhalant Anesthesia Workstation	<p>Inhalant Anesthesia Workstation compatible for wide range of animal species required with following features</p> <ul style="list-style-type: none"> ➤ Expandable from basic Anesthesia to high level ventilation ➤ 7" LCD display Parameters with VCV.SIMV.ACMV & manual Modes, Tidal Volume : 40ml - 1500ml, GSM absorber ➤ 3 Gas based machine – Oxygen and Nitrous Oxide ➤ 5 tube rotometers for O2,Air & N2O which allows for low flow of gas ➤ Inbuilt Hypoxic guard ➤ Regulators and content gauges for 2 X O2, 2 X N2O ➤ Central Pipeline connection for O2 ,N2O,Air & oxygen outlet port ➤ Pin Index Cylinder connection for 2 x O2 and 2 x N2O ➤ Safety systems like N2O cut off, OFWD alarm and down flow of Oxygen ➤ Medicine tray to place syringes and medicines ➤ 1 drawers for storage ➤ Battery Back Up ➤ With IsofluraneVaporiser ➤ with standard accessories ➤ Provider should provide service when required and should be located in nearby area
3	Ultrasound Machine	<p>Ultrasound Machine compatible for wide range of animal species required with following features</p> <ul style="list-style-type: none"> ➤ Regular use and Battery operated for mobile use ➤ Portable notebook kind of machine with 15.6" Rotatable and Tilt-abled Monitor ➤ Inbuilt Veterinary software with Windows 10 Operating system

		<ul style="list-style-type: none"> ➤ Extra Height Adjustable Trolley and carry bag ➤ Inbuilt 2 probe ZIF type Connector (Zero Insertion Force) ➤ Two probes to be provided 1. Convex probe (1-8 MHz), 2. Micro Convex probe (3-11Mhz) ➤ Machine should have various modes of scanning like B Mode, M Mode scanning ➤ Machine should provide various doppler scanning features like Colour flow, Pulse wave and continuous wave Doppler modes. ➤ Provider should be responsible for PNDT registration ➤ Provider should provide service when required and should be located in nearby area
4	Battery Operated Portable X-Ray Machine	<p>Technical Specifications for Battery Operated Portable X-ray is as follows:</p> <p>X-Ray Generator:</p> <ul style="list-style-type: none"> ➤ High Frequency generator of 20 KHz or more should be provided. ➤ Power Out Put should be 2.4 KW ➤ Radiography KV range should be: 40 to 100 KV (in 1 KV Step) ➤ Rad mA: 16-35mA or more in 5 step Program. ➤ mAs Range : 0.4 – 100 mAs or more in 35 Steps ➤ Weight of whole machine mot more than 15 Kg for easy to carry by hand. <p>X-Ray Head : Monoblock versions of X-ray Tube head with stationary Anode X-Ray Tube having focal spot 1.2 mm . Tube is suitably place inside of machine.</p> <p>Control Panel :</p> <ul style="list-style-type: none"> ➤ The X-ray control should have digital display of KV &mAs. ➤ Increase & Decrease Switches for KV &mAs ➤ Machine on/Off Switch. ➤ Collimator lamp 'On' Switch ➤ Showing Faults / error for trouble shooting. ➤ Stand by ready & X-ray on Indicator. ➤ Anatomical programming of minimum 20 or more programmes should be provided. ➤ A hand switch with dual action release with retractable cord is provided for radiation protection to the operator. <p>Power Supply : The unit should be operable on 200-240 VAC 50 Hz 15 Amps with regulation of $\pm 15\%$.Line resistance< 0.4 ohms.</p> <p>Other Requirement :</p> <ol style="list-style-type: none"> 1. The manufacturer should be ISO-9001 & ISO 13485 certified. 2. The unit should be approved by AERB. <ul style="list-style-type: none"> ➤ Provider should provide service when required and should be located in nearby area
5	Retrofit	A state of art fully digital, compact Retrofit Veterinary DR

	<p>Veterinary DR System</p>	<p>System required with following technical features;</p> <ul style="list-style-type: none"> ➤ To convert existing analog X-Ray system to a digital radiography (DR) system with a wireless detector Cassette ➤ The detector system needs to capture X-ray and transmit images wirelessly to the console for review in approximate less than 5 seconds. There should be a possibility to connect up to a minimum of 2 detectors per system console. ➤ Detector should be minimum of 35X43 Cms (14x17inc) size and weight should be less 4kg ➤ Detector housing material should be aluminum or equivalent ➤ Detector scintillator must be of CSI for conversion ➤ Detector should have sensor protection and should have ingress protection rating ➤ Detector should have removable batteries and suitable battery charges should be provided and minimum 2 batteries to be provided along with detector ➤ Detector battery should approved by BIS. Certificate for the same should be furnished ➤ System must be approved by FDA for veterinary radiology application ➤ System must be CE approved. ➤ Detector should have detective Quantum Efficiency (DQE) of 60% or more ➤ Detector should have resolution pixel size of 150 microns or less ➤ Detector should have 16 bit for A/D conversion ➤ Detector should have beam detection technology or equivalent technology which does not required any wired connection with generator and should be able to use with existing grids. ➤ Provider should provide service when required and should be located in nearby area <p>Workstation & Software Specifications for DR system: Technical specifications for Workstation and software is as follows:</p> <ul style="list-style-type: none"> ➤ Laptop should be LED screen with 1TB hard disc and 8GB RAM ➤ System should have dedicated veterinary application software. ➤ Image processing algorithms should be based on multi frequency processing type ➤ Software should automatically mask the area outside the collimation. ➤ Software should reduce the noise interference in low exposure imaging. ➤ Software should be capable of manual adjustment of the masked area should be possible. ➤ System must be capable to connect to PACS through DICOM store. ➤ System must capable of running QA/QC test to verify performance. ➤ Console must be capable to print to dry laser printers
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		<p>through DICOM print.</p> <ul style="list-style-type: none"> ➤ Console must be able to acquire worklist from existing HIS/RIS. ➤ Console must be capable to export images to media such as USB, CD Rom etc. ➤ Console must be able to remove grid lines. ➤ Console is fully compliant with storage Commitment requirements. ➤ System must be capable of importing images into the database from various media type such as USB sticks, CD rom etc. ➤ Console must allow to create annotations on images. ➤ System must be available with advance measurement tools such as lengths, angles. ➤ Should allow to draw free-form shapes on the selected image. ➤ Consoles should offer the capability to crop, zoom, flip, rotate and print the captured images. ➤ Should able measure the dysplasia in the hip joints. ➤ Should able to measure laminitis. ➤ Should able to measure heart size in relation to the thorax ➤ Should able to measure stifle joint during weight bearing in relation to the tibial plateau. ➤ Should able to measure heart size, the tool should calculates the long axis and short axis of the heart and provides the measurement in vertebral length units. ➤ System should allow to add patient picture to demographic screen. Authorized service facility must be in local city. ➤ Should provide authenticated document of earlier installation of same equipment. ➤ Provider should provide service when required and should be located in nearby area
6	Surgical Diathermy/ Electrocautery with Vessel Sealant	<p>Technical specifications for Surgical Diathermy/ Electrocautery is as follows;</p> <ul style="list-style-type: none"> ➤ The electrosurgical unit should be microprocessor based with monopolar, bipolar and vessel sealer functionality. ➤ Monopolar Cut should have maximum power rating of 400W and should have Low Cut, Pure Cut, Blend Cut and Endo Cut. ➤ The monopolar coagulation should have maximum power rating of at least 120W and have desiccate, LCF fulgurate, HCF fulgurate and spray modes. ➤ It should have bipolar cut with maximum power rating of at least 100W and bipolar coag with maximum power rating of at least 120W. ➤ Bipolar coag should have precise, standard and macro modes. Bipolar coag should have auto start and auto stop functionality. ➤ Vessel sealer should have at least five power levels. ➤ Vessel sealer should have indicators for open instrument,

		<p>closed instrument and grasp indicators. Vessel sealer should stop the current automatically when the seal is complete and give indication to the user.</p> <ul style="list-style-type: none"> ➤ The unit should have at least 10 memories for storing personalised settings. ➤ The unit should have safety of patient plate with contact quality monitoring and HF leakage monitoring. ➤ The manufacturer should be certified for ISO 13485. ➤ The unit should be supplied with the following accessories: <ul style="list-style-type: none"> a) Disposable monopolar pencils: 5 No. b) Silicon reusable split patient plate with cable: 1 Nos. c) Bipolar forcep with cable for open surgery: 1 Nos. d) Power cord e) Three-pedal footswitch f) 5mm laparoscopic instrument with cable for vessel sealer g) Open instrument with cable for vessel sealer h) Provider should provide service when required and should be located in nearby area
7	Surgical Cautery without Vessel Sealant	<p>Technical specifications for Surgical cautery is as follows;</p> <ul style="list-style-type: none"> ➤ The electrosurgical unit should be microprocessor based with monopolar and bipolar functionality. ➤ Monopolar Cut should have maximum power rating of 400W and should have Low Cut, Pure Cut, Blend Cut and Endo Cut. ➤ It should have bipolar cut with maximum power rating of at least 100W and bipolar coag with maximum power rating of at least 120W ➤ Max Power : 400W ➤ Monopolar Cut Modes : Pure Cut, Blend 1, Blend 2 ➤ Monopolar Coagulation modes: Spray, Desiccation and Fulguration ➤ Bipolar modes: Coagulation ➤ It Should have Patient plate monitoring system ➤ The unit should be supplied with the following accessories: <ul style="list-style-type: none"> a. Disposable monopolar pencils: 5 No. b. Silicon reusable split patient plate with cable: 1 Nos. c. Bipolar forcep with cable for open surgery: 1 Nos. d. Power cord e. Three-pedal footswitch <p>Provider should provide service when required and should be located in nearby area</p>
8	Veterinary Operation table	<p>Veterinary Operation table having a top size of 32" x 72" with a V shaped curvature with a drain outlet and an IV drip rod and detachable SS tray measuring 12" X 24". The Table top will also have detachable side holding plates. The top will be made of 16 swg stainless steel 304 grade sheet.</p> <p>This OT table will be made of scissor lift mechanism and will use 2 Linear actuator (Electric hydraulic) with a capacity to lift 200Kgs.</p> <p>Provider should provide service when required and should be</p>


		located in nearby area
9	SS trolley with Racks/ Crash Cart	<p>Overall Size: L 960mmxW 500mmx1545mm H. Frame work made of SS Tubes. Provision to hold Oxygen cylinder. Massage wooden board for cardiac Two light weight Alkon boxes each with 3 drawer 6 or 12 small bins total 3 shelves provided I V Rod and wheel 6x7/8th 2 break 2 without break.</p> <p>Provider should provide service when required and should be located in nearby area</p>
10	Single Dome LED OT light	<p>Technical specifications for Surgical Diathermy/ Electrocautery is as follows;</p> <ul style="list-style-type: none"> ➤ The LED bulbs that are fixed should be meant for saving power consumption. ➤ The sterile handle present in this equipment helps in easy adjustment. ➤ The operating light should be designed for the hgh demanding surgeries. ➤ Light head is resistant to disinfectant, easy to clean. ➤ LCD display for showing all important parameter like intensity, on/off. ➤ Flexible and stable balance arms suspension system for height and angle. ➤ The LED Bulbs should be placed in to 4 different reflectors. ➤ Light Intensity: 1,20,000 Lux. ➤ Number of LED's: Mix of 72 White and yellow LEDs ➤ Life-Span of LED's: 50,000 hrs ➤ Focus Dia:15-25 cm ➤ Power Supply:160V-240V DC, 50Hz ➤ Control Unit: SMPS <p>Provider should provide service when required and should be located in nearby area</p>
11	Surgical Instruments	<p>Following Surgical Instruments required with Superior German steel quality, It should comply International standards, It should be user friendly and Rust Free</p> <ol style="list-style-type: none"> a. Needle holder 8 inch x 2nos b. Needle holder 6 inch x 2nos c. Thumb forceps 8 inch x 2nos d. Thumb forceps 6 inch x 2nos e. Rat Tooth forceps 8 inch x 2nos f. Rat Tooth forceps 6 inch x 2nos g. Allis tissue forceps 8 inch x 4 nos h. Allis tissue forceps 8 inch x 4nos i. Artery forceps Straight 8 inch x 8 nos. j. Artery forceps Straight 6 inch x 8nos k. Artery Forceps Curved 8 inch x 8nos l. Artery Forceps Curved 6 inch x 8nos m. Hemostat/ Mosquito forceps Straight x 4nos. n. Hemostat/ Mosquito forceps Curved x 4nos. o. Mayo Scissors Straight 8 inch with blunt end x 4nos. p. Mayo Scissors Straight 6 inch with blunt end x 4nos. q. Mayo Scissors Curved 8 inch with blunt end x 4nos. r. Mayo Scissors Curved 6 inch with blunt end x 4nos.

		<p>s. Metzenbaum Scissors Straight 8 inch with blunt end x 4nos.</p> <p>t. Metzenbaum Scissors Straight 6 inch with blunt end x 4nos.</p> <p>u. Gelpi retractors 6 inch x 2nos</p> <p>v. Three pronged tissue retractors 8 inch x2nos.</p> <p>w. Three pronged tissue retractors 6 inch x2nos.</p> <p>x. Bone holding forceps (Paeditric) x 2 nos.</p> <p>y. Bone holding forceps (Adult) x 2 nos.</p> <p>z. Pliers(SS wire holding, Twisting and Cutting) x 2nos.</p> <p>aa. One end Negative profile K wire 4mm x 8nos.</p> <p>bb. One end Negative profile K wire 5mm x 8nos.</p> <p>cc. One end Negative profile K wire 6mm x 8nos.</p>
12	Endotracheal tubes	<p>Following Endotracheal tube sizes made with superior quality silicone used for intubation of animals of various sizes</p> <ul style="list-style-type: none"> • ET Tube 16mm, length 48cm x 1nos • ET Tube 20mm, length 90cm x 1nos • ET Tube 26mm, length 100cm x 1nos
13	Vertical Autoclave	<p>Technical specifications for Vertical autoclave is as follows;</p> <p>It should be Automatic</p> <p>Internal Tank Capacity : 95 Liter</p> <p>Load : 4.00 KW</p> <p>Chamber dimension : 18" x 24"</p> <p>No.of Drums & Sizes : 2 (12" x 15")</p> <p>Working Pressure : 1.2 kgf/cm sq.g (15 psi - 17 psi) (Can be Upgraded up to 30 PSI)</p> <p>Sterilizing Temperature : 121°C to 134°C (150°C - Optional)</p> <p>Heat Average : <=±1°C</p> <p>Sterilization Time : 25 to 30 Minutes</p> <p>Digital Timer : 0 to 99 min</p> <p>Construction : Double / Triple wall & SS GMP construction</p> <p>Outer Chamber : Mild Steel (304 stainless Steel – Optional)</p> <p>Inner Chamber : 304 SS (316 / 316L grades Stainless Steel – Optional)</p> <p>Insulation : Glass Wool</p> <p>Waste Container : Stainless Steel</p> <p>Door / Lid : Foot lifted with safety and interlock device</p> <p>Door Locking type : Radial Type (Wing Nut Optional)</p> <p>Water Filling & Removal : Manual</p> <p>Safety Features : Radial locking, safety valve, low water detector and pressure interlock</p>

		<p>Power Supply: 220 Volts / 440 Volts</p> <p>Provider should provide service when required and should be located in nearby area</p>
14	Vet Oxygen Concentrator 5L	<p>Technical specifications for Vet Oxygen Concentrator 5Ltr is as follows;</p> <ul style="list-style-type: none"> ➤ Oxygen concentrator for use in oxygen therapy and anaesthesia. ➤ An oxygen concentrator draws in room air, separates the oxygen from the environment and delivers the oxygen at high concentrations. ➤ No oxygen bottle required, lower power consumption ➤ Should have High patient safety through visual acoustic alarms ➤ Noise level: ≤ 55 dbA ➤ Flow rate continuously adjustable from 0.5-5L ➤ Output should be of up to 93 % oxygen (± 3 %) ➤ Incl. Bubble humidifier and O₂ hose <p>Supplier should give one year warranty</p> <p>Provider should provide service when required and should be located in nearby area</p>
15	Suction apparatus	<p>Technical specifications for Suction apparatus is as follows;</p> <p>Body Material : Base made of mild steel, top & panel made of rust proof & corrosion resistant moulded ABS</p> <p>Jar Material : Polycarbonate (Autoclavable)</p> <p>Jar Capacity : 2x2 ltrs</p> <p>Vacuum Pressure : -700 mm Hg ± 10</p> <p>Suction Capacity : 28 ltrs/minute, Regulable</p> <p>Type of Pump : Rotary Pump</p> <p>Power : 200 watts</p> <p>RPM : 1440 approx</p> <p>Operating Noise Level : 50 dBA ± 3 approx</p> <p>Caster Size : 2 inches</p> <p>Operating Voltage : 220 V equipped with safety fuse. Supplied with 2V foot switch</p> <p>Weight (approx) : 26 kg</p> <p>Bacteria filter :0.3 micron.</p> <p>250x55mm tray & catheter holder with two size hooks to hold patient tube & catheter.</p> <p>Provider should provide service when required and should be located in nearby area</p>
16	Vet Direct Ophthalmoscope and Otoscope	<p>Technical specifications for Ophthalmoscope and Otoscope is as follows;</p> <ul style="list-style-type: none"> ➤ Coaxial Ophthalmoscope & Otoscope Complete Diagnostic set with Rechargeable handle ➤ It should have LED Coaxial Ophthalmoscope head and

		<p>otoscope head</p> <ul style="list-style-type: none"> ➤ Rechargeable Handle with battery, Charger, converter ring and Reusable specula. ➤ Other Features of ophthalmoscope should be- proper LED illumination for true tissue color, 18 unique aperture/ filter combinations, should have polarizing filter virtually eliminates corneal reflection ➤ Other Features of otoscope should be- Proper LED illumination, Wide angle viewing lens. <p>Provider should provide service when required and should be located in nearby area</p>
17	Vet Dental Scaler	<p>Technical specifications for Veterinary Dental scaler is as follows</p> <ul style="list-style-type: none"> ➤ The handpieceshould be cast from Titanium alloy to ensure sound mechanical function and durability. ➤ The cable is made from a silica gel tube, which is soft and durable. ➤ The cavitation produced at the end of the scaling tip helps in easy cleaning of the teeth as well as the killing of germs. ➤ It Eliminates dental calculus, bacterial plaque, and tea stains on the teeth quickly without hurting the gum or the enamel. ➤ The adjustment range of the amplitude is much wider than before. ➤ The new water control switch of the woodpecker UDS J ultrasonic scaler makes the adjustment of the water more convenient. ➤ Automatic frequency tracking ensures that the machine always works on the best frequency and performs functions more steadily. ➤ Single-chip controlled system which allows for easy operation and increases efficiency in scaling. ➤ Compatible with the Satelec system. ➤ Digitally controlled, easy operation, and more efficient for scaling. ➤ CE and FDA certificated <p>Provider should provide service when required and should be located in nearby area</p>

18	Vet Video Endoscope/ Gastroscope specifications	Specification	
		Screen Size	12 inch HD monitor
		Video processor & Light source	3 in 1
		Video	DVI*2
		Output format	Full HD
		AWB	Yes
		Sharpness	Yes (0-3, 4 levels)
		Saturation	Yes (0-100 levels)
		Contrast	Yes (0-100 levels)
		Brightness	Yes (0-100 levels)
		Color Adjustment	Yes (RED 0~100 levels/Blue 0~100 levels)
		IRIS	Peak/Average
		Electronic magnification	Yes,1X; 1:5X; 2X;2.5X
		Noise reduction	Yes, (0-3 levels)
		Freeze	Yes
		Image capture	Yes
		Video Recording	Yes
		Image and video storage	Yes, U disk
		Review	Yes, image and video
		Data management	Yes, assign one file for each case and patient data is editable with keyboard
		Built in Light Source	
		Lamp	LED Lamp 40W
		Colour temperature	5500K
		Average working life	35000 hours
		Brightness adjustment	Manual
		Light source switch	Yes
		Lamp Indicator	Yes
		Air Pump Indicator	Yes
		Air Pump switch	Yes
		Air Pump Pressure	0.05Mpa
		Voltage	100-240V AC/50-60Hz
		Gastroscope	
		Field of view	145°
		Depth of view	3-100 mm
		Bending capability	UP/Down 210°/90°
		Distal end diameter	Left/Right 100/100°
		Insertion tube diameter	6.0mm
		Instrument channel diameter	6.0mm
		Working length	2.0 mm
		Provider should provide service when required and should be located in nearby area	


 Executive Director
 Bannerghatta Biological Park,
 Bannerghatta, Bangalore.

[On the letter head of the Contractor]

PRICE BID

DESCRIPTION OF SUPPLY: Supply veterinary medical equipment

Sl.No	Particulars	Qty	Amount
1	Name of the equipment		
	Grand Total		

Grand Total in words: _____

(Rate quoted including all statutory taxes applicable under prevailing government rates and one year defect liability period)

(Use additional sheets if required)

SIGNATURE:

NAME :

ADDRESS :

(SEAL & DATE)