

NOTICE INVITING e-TENDERS

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Directorate, Animal Husbandry, Punjab, Livestock Complex, Sector-68, SAS Nagar.

e-Tender/ Notice 3/2020-21

The Department of Animal Husbandry, Punjab, Livestock Complex, Sector-68, SAS Nagar, invites e- tender on Double bid system for following items as per terms and conditions detailed below:-

S. No	Name of Item	Quantity
1	VETERINARY X- RAY MACHINE AND DIGITAL RADIOGRAPHY SYSTEM	04 Nos.
2	VETERINARY SPECIFIC COLOR DOPPLER SYSTEM FOR LARGE AND SMALL ANIMALS	10 Nos.
3	OPERATION THEATRE SHADOWLESS LED LIGHTS	10Nos.
4	SURGICAL PACK	60 Nos.

Sr. No	Name of Item	Quantity
5	DYSTOKIA SET ALONG WITH FETOTOME	20 Nos.
6	R.F. ELECTRIC CAUTERY	10 Nos.
7	VETERINARY VITAL SIGN MONITOR	10 Nos.

1. The e-tenders should be submitted online till 22/04/2021 upto 5:00 pm and the same will be opened on 23/04/2021 at 11:00 am. For other term and conditions, please visit website <http://eproc.punjab.gov.in>.
2. E- Tender details can also be obtained from the Departmental website www.husbandrypunjab.org
3. Corrigendum , if any will be upload on above websites only.

FAX No: 0172-2217084

Telephone No. 0172- 2217083

Website www.husbandrypunjab.org

Director Animal Husbandry,
Punjab.

Tendering Procedure.

It will be a two stage tendering. The technical tenders and financial/commercial tenders will have to be submitted AS PER E -TENDERING PROCEDURE.

The Technical Bids should contained detail information on the following: -

- Nature of Ownership.
- Bankers Name & Address.
- GST No.
- PAN/TAN No.
- Tax clearance.
- Whether Manufacturer/Sole Selling Agent/Distributor/Authorized Dealer.
- Experience in line.
- Capability/Capacity to service the requirement.
- Details of relevant infrastructure.
- Arrangements of after sale service.
- List of Clients.
- Quality Assurance/Monitoring system followed.

Certificates where needed should be attached duly attested.

Financial/Commercial Bids.

Financial Bid should contain the price quoted per unit. The following information should be clearly given in the Financial Bid:-

- Price per Unit.
- Place of Delivery.
- Status of Taxation/Duties etc.
- Lead time/Delivery Period.
- Packing & forwarding.
- Mode of Transportation.
- Payment condition.
- Warranty/Guarantee.
- Validity of Offer.
- Acceptance of Terms of N.I.T.
- Details of Earnest money attached.

Financial Bids will be opened only of those tenderers, who qualify and are found suitable during the processing of Technical Bids.

TERMS AND CONDITIONS

1. E-Tenders are invited for the supply of the items listed from 1 to7 for the department through the e-tendering process of Govt. of Punjab. For additional details such as items specifications, important dates etc visit the website: <http://eproc.punjab.gov.in> Tender form, specifications, terms and condition can be obtained from this website on payment of Rs. 1000/-(online payment) as per e-tendering procedure.

2. Tender shall be accepted only from manufacturers/authorized dealers. In case the offer is for ISI marked, an attested copy of the ISI License which is valid on the date of offer must accompany the offer.
3. The tenderer must submit the Authorization letter from the Principal Manufactures.
4. The tender will be in double bid system i.e. Technical/Pre-qualification Bids and Financial/Commercial Bids .The Technical Bid should contain comprehensive technical details of the item (Brochure/Catalogue), profile of the manufacturer/supplier, main current clients, experience, tentative delivery period. Financial/Commercial Bids should contain the price (inclusive GST), terms and conditions. Technical Bids would be opened first and Commercial Bids will be opened subsequently of only those tenders who qualify in the Technical Bids. Incomplete/conditional Tenders not received as per e-tendering procedure will be out rightly rejected.
5. Firms/ manufacturer should have annual turnover of minimum 5 crore during last three previous years. In support thereof authenticated copies of Income Tax Returns along with Balance Sheets of Annual Turnover of last 3 financial years duly certified by Chartered accountant. Copy of GSTIN must be attached.
6. The bidder must enclose attested copies/proof of consisting, Pan Card, TIN No., Service Tax No., GST, EPE, Registration/Authorization of the firm etc.
7. The bidder firm should not be black listed/debarred by any department/ organization (Affidavit attached with tender)
8. The e-tenders should be submitted online till 22/04/2021 upto 5:00 pm and the same will be opened on 23/04/2021 at 11:00 am.
9. The e-tender must be accompanied with earnest money amounting Rs. 20,000/- (Rs. Twenty Thousand Only) (online payment) as per e-tendering procedure.
10. Tenderers are also required to submit a hard copy of the technical bids of this tender on or before the closing date 22/04/2021, upto 5:00 pm at the Directorate, Animal Husbandry, Punjab , Livestock Complex, Sector-68, SAS Nagar. Each and every page of the Terms and Conditions and tender form should be duly signed by the tenderer.
11. The Director, Animal Husbandry, Punjab, SAS Nagar reserves the right to accept or reject one or all offers/tenders and holds the discretion to increase/decrease the quantity of any or all the items.
12. Samples of items (where required as per specification) should be submitted to the Office of Assistant Director, Animal Husbandry, Veterinary Medical Store, Jalandhar before closing date of tender (22/04/2021 upto 5:00 pm) and sample receipt certificate should be enclosed along with tender documents. Otherwise tender will be rejected straightway.
13. Successful tenderers will have to submit a Security deposit of 10 % (only FDR will be accepted)of the ordered value within the stipulated period of time after issuance of orders.
14. For participating in the above e-tender, the contractors shall have to get themselves registered with <http://eproc.punjab.gov.in>. and get user ID & password. Bidders who have not registered with e-procurement portal need to get registered by paying the requisite registration fee for e-tender participation and obtain Class 3 Digital Signature Certificate (DSC) which are mandatory to participate in the e-tendering process. For any clarification/difficulty regarding e-tendering Process please contact on helpdesk at Punjab State e Governance Society, Plot No. D-241, Industrial Area, Phase 8, Sector 74, Mohali , Phone No. 0172-2970263 & 0172-2970284. E-mail: eproc@punjab.gov.in and niceproc.punjab@gmail.com
15. Bidders are also required to pay tender processing charges of Rs. 2,280/- or an estimated amount as per tender which are to be deposited. (This tender processing fee/charges are other than the firm registration amount for Digital Signature Certificate DSC).
16. E-Tender details can also be obtained from the Departmental website www.husbandrypunjab.org.
17. Rates should be quoted in Indian Rupees only, FOR anywhere in Punjab/Chandigarh.
18. All applicable taxes should be included in the quote.
19. Brochure/leaflets/catalogues for equipments/ items should be submitted alongwith tender.
20. Trouble free performance of the equipment for a minimum period of two years from date of commissioning should be guaranteed . Any defect intimated should be attended to and rectified within 15 days of receipt of such communication within guarantee period. The guarantee shall include cost of spares and labour.
21. If any bidder gives wrong statement or deviates from any condition, his/her Security Deposit will be forfeited and action will be taken against the concerned bidder. Any bidder supplying any wrong information in the intentions to cheat/commit fraud will be liable for penal action and also liable for blacklisting.
22. The Drugs and Cosmetics Act, 1940, if applicable in this tender, the condition of this act must be followed by the firm.

- 23 The supplier should give an undertaking that they will be responsible to carry out the preventive maintenance and to repair the equipment during guarantee and post guarantee period.
- 24 Full details of after sale service offered during the post guarantee period should be furnished along with tender specified.
- 25 Information of actual users of the equipment in India supported with evidences and performances should be furnished along with tender.
- 26 If required the working of the equipment must be demonstrated in any place to be specified by the supplier.
- 27 The supplier shall train to the satisfaction of the purchaser one or two technicians at site/factory for operating, servicing and undertaking minor repairs without extra cost.
- 28 The security deposited by firms will be released after the Guarantee period is over of the machinery/ equipment. For other material security deposited by firms will be released after obtaining the NOC from consignee.
- 29 Public Procurement (Preference to make in Punjab) Order 2019 and Public Procurement (Preference to Make in India) Order 2017, will be applicable on this tender, if any bidder found himself fit under this order then Bidder have to submit an affidavit as per provision of mentioned orders.
- 30 Order of Punjab Government regarding Relaxation to Start ups will be applicable on this tender.

Detailed Specification for E-tender notice no. 3/2020-21

1. VETERINARY X- RAY MACHINE AND DIGITAL RADIOGRAPHY SYSTEM **4 Nos.**

~ Unit should be specifically designed for all aspects of general X-Ray imaging and operating at a High Frequency of 50KHz for highly efficient X-ray production and preminent Image Quality. The Integrated Design of the machine allows the operator to acquire X-ray Images very conveniently.

A. HIGH FREQUENCY GENERATOR:

Generator should be of latest technology with high frequency **50KHz** X-Ray generator.

Constant Power output of 30 KW.

KV range should be 40 to 125 KV in 1KV/step.

mA output: 400mA

mAs range should be 1 to 200mAs.

B. X-RAY TUBE:

- i.) A Dual focus Rotating anode X-ray tube should be provided.
- ii.) Focal spot size of 1.0mm (small focus) x 2.00mm (large focus).
- iii) Anode heat storage capacity should be 140kHU or more
- iv) Collimator having halogen lamp / bright light source and auto shut provision of the light.
- v) HV Cable: 1 Pair of H.V. Cable of 8meter length.

C. STAND:

U-Arm Stand

- Floor mounted with wall support stand has versatile U-arm fitted with Tube & Detector suitable for chest examination & lying down examination with the help of mobile table.

- Motorized movement of tube SID, Tube & Detector assembly vertical & rotation to position for various radiographs
- Wired remote along with panel fitted on column for movements control is provided
- Tube & detector rotation movement to position for various oblique views.
- Digital Display of SID & Tube angle on tube collimator assembly.
- Removable grid is provided for without grid exposures.

Movement's details are as: -

- Vertical Travel for chest examination:- 1230 mm
- Tube SID travel:- 1000 to 1800 mm
- U-arm rotation movement:- -30° to 120°
- Tube rotation around Horizontal axis:- $\pm 90^{\circ}$
- Detector rotation:- $\pm 60^{\circ}$

D. TABLE:

Mobile Diagnostic table should be provided.

- Table should be of following dimensions:
 - Length: 1900mm or more
 - Width: 700mm or more
 - Height: 725mm or less
- Locks should be available on front wheels for table stability during exposure.
- Maximum weight carrying capacity for the table should be 180Kg or more.

E. FLAT PANEL DETECTOR: Specifications:

The detector should be flat panel type with A-Si (amorphous silicon) and CSi as scintillator.

Size of detector must be 43cm x 43cm.

Active Image matrix 3K x 3K.

Image depth should be 14bit.

Pixel size should be 150um or less (Smaller pixel size is preferred)

Detector resolution should be more than 3.3 lp/mm.

DQE (Detector Quantum Efficiency) should be more than 65%.

F. OPERATING STATION/WORK STATION:

**a. X-RAY/IMAGE CONTROL
CONSOLE**

Fully integrated system with following features:

- Digital Display of KV & mAs.
- KV & mAs increase and decrease control on G.U.I (Graphical user interface).
- Ready and X-Ray ON indication on G.U.I (Graphical user interface).
- Self diagnostic Program for error code display of faults such as Earth fault error, KV error, Filament error & Tube's Thermal Overload.
- An Inbuilt overload protection device.
- Anatomical Programming Radiography (i.e. APR): Preprogrammed parameters of veterinary Anatomy which helps the user to select exposure parameters based on body part, examination view and size of the patient.

Since it is a computer based system (full system integration) so any number of Organ programming combinations is possible. User can define his own Organ parameters and can edit the existing parameters to his satisfaction and comfort level.

- APR programs: More than 1000 programs. (Expandable as per user's requirement).

A dual action hand Switch with Retractable cord for Radiation Protection of Operator.

b. IMAGE ACQUISITION SOFTWARE AND ITS CHARACTERISTICS:

Software provides complete control of all image capture functions within the examination room. It enhances the entire workflow by delivering diagnostic images instantly. It also allows user to transfer X-Ray images electronically to remote workstations, image archives, and printers, also has an excellent performance on image quality control such as:

MAIN FEATURES

- Digital image processing technology
- Preview image in less than 5 seconds.
- Exam Specific Algorithms image processing for consistent image quality of all body parts.
- Preset image processing tools for different anatomy
- Image cropping
- Image mirror, rotate.
- Image annotation
- Add image accept/reject comments
- Rejected images archival with provision of converting them to Accepted images.
- Separate log for Rejected, Accepted and Printed images.
- True size for printing.
- Hard disc capacity for image storage > 3000 images.
- Inbuilt CD/DVD writer facility
- Remote online system diagnosis
- Remote online software upgrade
- Image quality control tools
- **Easy and quick Offset and gain calibration with bad pixel removal algorithm.**

FULL DICOM 3.0 COMPATIBILITY

- Get DICOM work list
- DICOM Print
- DICOM Store
- Support DICOM MPPS

G. MONITOR: 1 No. 19" LCD TFT monitor should be provided.

H. POWER SUPPLY REQUIREMENT: Three Phase, 400/440Volts AC 50/60Hz with line resist 0.2Ohms. Line Regulation $\pm 10\%$.

OTHER REQUIRMENTS :

- The company should be ISO certified.
- The unit should be approved by AERB.
- The company should have proven track record in Govt. sector.
- The unit should be European CE approved from notified body.
- Detector , Generator & Software from same source

The supplier should be able to demonstrate the product as and when required at the place where specified.

2. VETERINARY SPECIFIC COLOR DOPPLER SYSTEM FOR LARGE AND SMALL ANIMALS 10 Nos.

It should be a veterinary specific Color Doppler Ultrasound system having digital technology. It should be capable of performing applications like Abdominal, Obstetrical, Gynecological, Cardiac, Small parts, Urological and Vascular on Dog, Cat, Equine, Bovine and others.

1. It should be equipped with 15” High Resolution LCD with tilting upto 30 degree or more to view the screen at eye level and comfortably.
2. It should have modes like- B, 2B, 4B, B+M mode, B+ Color Mode and PW mode.
3. The machine should have Patient Reporting system having both diagnosis report and images together to further send for print or via USB
4. The machine should exhibit the Mechanical and Thermal Index on the front screen of the machine and it should be in conformity with FDA standard of 1.9.
5. It should offer Dual mode & quadruple mode option
6. It should have smart 3D imaging feature which should be enabled on all the probes
7. It should offer the real time panoramic imaging view of the organ
8. It should have software for needle guided biopsy procedure with moveable path
9. It should offer Extended Field of View on convex probe and trapezoidal image on linear probe
10. It should also offer field of view (FOV) which should be continuously adjustable to attain suitable frame rate.
11. It should have one rechargeable battery so that the equipment runs for hours without any electricity issues.
12. It should have Patient information system to store and manage data at ease and Hard Disk should be close to 500G so that large number of patients detail can be stored.
13. It should have Harmonic imaging with all the probes.
14. Spatial Compounding Imaging for better spatial resolution should be there in the system.
15. It should have Software to reduce noise artifacts and make the image more clear and sharp. It must be there with all probes.
16. There must be one touch image optimization option.
17. It should offer PAN zoom and Spot zoom facility. The machine should be DICOM compatible.
18. It should offer connectivity of two Transducer simultaneously.
19. System should possess 8 segment TGCs to adjust the time gain compensation.
20. To transfer patient information through media storage there should be more than 3 USB Ports.
21. Individual Measurement and Calculation packages for different applications should be available with the system.
22. It should have 256 grey scales.
23. Transducers with the following frequencies should be provided with the system:
 - a) One micro convex probe of 5-8.5 Mhz and it should go upto 9Mhz in harmonic imaging. It should be suitable for small animal abdomen and cardiac work
 - b) One Endo Rectal Linear probe of 5-10 Mhz for bovine reproduction
24. It will be inevitable on the part of the supplying company to arrange and provide extensive clinical training for two days on animals to teach about topographic anatomy using ultrasound and different applications of the machine for its ergonomic purpose by a qualified veterinary specialist at a common venue.
25. The system offered should be Guarantee for two year.
26. The bidding company should have a service centre with good nos of engineers for support.
27. The brand quoted should be time tested and have its presence and installation base of at least 20 units across the country by the bidder only irrespective of model installed by the bidding company itself. Please attach supply orders/installation report or performance certificates in support of your bid.
28. The company should be registered under PC;PNDT Act in the state and should have its wide service network to provide support for next 10 years.

29. The product offered should be CE marked and in compliance with EN 60601-1 and IEC 60601-1
30. The supplier should be able to demonstrate the product as and when required at the place where specified

3. OPERATION THEATRE SHADOWLESS LED LIGHTS

10 Nos.

Portable Lights with good castors of mobility. The same should be spring Balance controlled with regulated current supply . The light should be of high intensity with minimum heat. Should be provided with rust free Stainless steel arm.

The light should meet following parameters:-

- Minimum 22” Dia .path with 4 reflectors of spot diameter of 100-150 mm with total LED not less than 75
- Lux Minimum 100,000
- Heavy duty step down transformer made from S.M .P.S. Concealed in switch box
- Sterilizable central handle.
- Manual focussing
- Power supply 220V/50 HZ AC

Manufacturing Company should be ISO /CE certified and must have experience of supplies of similar items and should be in market for at least 2 years. Mfg. should give certificate about availability of after sales service and spares for 5 years. Guarantee / warranty for two year . Original Catalogue Showing Technical Specification should be enclosed along with tender.

The supplier should be able to demonstrate the product as and when required at the place where specified

4. SURGICAL PACK

60 Nos.

Containing – Artery Forceps 6” Three each straight and curved (six in numbers), Artery Forceps 4” Three each straight and curved (six in numbers), Allies tissue forceps 6” (Six),B.P. Handle No.3 &4 (One each), Backhauss Towel clamps (Six), Carl malt forceps Straight. 6” & 8”- Three each, Intestinal forceps Straight. 10” (four), Groove director – two, Shroud with slit 4’x4’ (one), Drapes 3’X3’ (Six) , Hand Towels (Two), Mayo Surgical Scissors 6” Straight (Two) and curved (Two) Surgical Gowns (Two), Wrap cloth 4’X4’ (One), Rat toothed forceps (one), Self retaining wound retractor with 70 mm spread 10” (One), Tungsten carbide olsenheger scissor/ needle holder 6” & 8” one each, Adson dressing forceps 12 cms (one), Adson tissue forceps 12 cms (One) , Thumb forceps 15 cms (One), Spay hook (One) .

All above Instruments should be of high quality , made up of good quality stainless steel.

1. Instruments should be rust free and should be durable.
2. Instruments should have satin finish/ bright polish .

Sample:- The firm should submit the sample to office of Assistant Director, Animal Husbandry, Veterinary Medical Store, Jalandhar before closing date of tender and sample receipt certificate should be enclosed with tender documents. Otherwise tender will be rejected straightway.

5 DYSTOKIA SET ALONG WITH FETOTOME

20 Nos.

Dystokia Set consisting of following items and packed in Stainless Steel case with Lockable Lid .

Rust free Thygesen's wire Saw embryotome complete set made of stainless steel with wire saw, two barrel shape hand grips and take apart introducer probe and cleaning brush----**One set**

The finest available rapid cutting, rust resistant, 27 braided, filament. The wire should be packed on a handy plastic dispenser on which unused wire can be easily returned. Wire length should be 10 meter -----**10 rolls**

Obstetrical Chain -----**2 Nos.**

Stainless steel, sharp eye hook 5-6 cm in length with hole to fit the calving rope --- **2 Nos.**

Stainless steel, Anal Hook -----2 Nos.

Stainless steel, blunt eye hook 5-6 cm in length with hole to fit the calving rope -----**2Nos.**

Linde's Embryotomy Knife : with one large finger ring and handle adapted to the palm. Stainless Steel ----- **1No.**

Guenther's Embryotomy Knife : with two finger rings. Stainless Steel---- **1 No.**

Calf Puller : Made of Stainless steel With coarse thread /Ratchet Mechanism , 2-parts, 180 cm length, complete with 2 calving ropes and clamping mechanism, support attachment , holding bracket for calf puller which prevents slipping during the birth, support attachment and brackets, ergonomically –shaped support attachment and built-in holding bracket adjustable in width and, there for, suitable for all breeds and three spare ropes for calf puller.

The manufacturing firm should be ISO certified company. Guarantee / warranty for Two year .

Sample:-The firm should submit the sample to office of Assistant Director, Animal Husbandry, Veterinary Medical Store, Jalandhar before closing date of tender and sample receipt certificate should be enclosed with tender documents. Otherwise tender will be rejected straightway.

6 R.F. ELECTRIC CAUTERY

10 Nos.

Should be a Veterinary specific electric cautery Unit to be used on variety of animals.

Should be a 400 Watt solid state electro surgical analog generator with 3 cut, 3 coagulate and bipolar mode.

Should work on 170-270 Volts input to give constant output range.

Should be absolutely safe in preventing the risk of alternate site burns.

Bipolar mode should provide controlled desiccation without charring, adhesion and blanching of tissues.

Should have separate monopolar and bipolar RF output system to work separately.

Should have true spray coagulation mode and rapid non contact coagulation.

Should be supplied along with Fine Long Tip, Fine Short Tip, Fine Circular Tip and Heavy duty Tip short.

Should be a micro controller based model with pure cut, blend and endo cut as monopolar cut modes.

Should have spray, desiccation and fulguration as monopolar coagulation modes.

Should have micro, macro and cut as bipolar modes.

Should have a foot paddle, patient plate and accessories like Bipolar Coagulation, Curved Bipolar Coagulation, Straight Bipolar Coagulation Forceps and Bayonet type Long Pointed Electrode.

Guarantee / warranty for Two year . Original Catalogue Showing Technical Specification should be enclosed along with tender.

The supplier should be able to demonstrate the product as and when required at the place where specified.

7. VETERINARY VITAL SIGN MONITOR

10 Nos.

Safety and efficiency for veterinary monitoring

Modular configured multi-parameter monitor for the veterinary practice.

It should meet following requirements.

- Minimum 12 inch high resolution touch screen display
- Up to 8 waveforms
- Lightweight – Not More than 7.5 Kg.
- Robust standard measurement set includes 3 or 5-lead ECG, SpO₂, NIBP, IBP, respiration, temperature
- Extensive data storage capability for trend data, alarms, events, NIBP measurements and up to 48 hours of full disclosure
- Customizable Quick Keys for fast access to frequently used functions
- Rotary knob and hard keys for convenient operation
- Ergonomic design with built-in handle
- Built-in 360 degree alarm indicator

Offer must include Two year Guarantee. Original Catalogue Showing Technical Specification should be enclosed along with tender.

The supplier should be able to demonstrate the product as and when required at the place where specified.