

**COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY
JABALPUR**

No. 149/Store/Vety./2019

Jabalpur Dated 10/01/2019

To,

The IPRO,
Nanaji Deshmukh Veterinary Science University,
Jabalpur

Subject: - Regarding inviting Short Tender notice for purchase of Instruments for the financial year 2018-2019.

Please find enclosed herewith the **Short Tender Notice for purchase of instruments** for wide publicity through newspapers and its downloading from our website **www.ndvsu.org**.

**DEAN
COLLEGE OF VETY. SCI. & A.H.
JABALPUR**

NANAJI DESHMUKH VETERINARY SCIENCE UNIVERSITY
COLLEGE OF VETERINARY SCIENCE & ANIMAL HUSBANDRY
JABALPUR (M.P.)

No.149/Store/Vety./2019

Dated 10/01/2019

SHORT TENDER NOTICE

Sealed tenders are invited from the reputed manufacturers and their authorized dealers for supply of Equipment Items.

The tender's document including detailed specifications, terms and conditions of supply can be directly downloaded from our website www.ndvsu.org. Tender for each item may be submitted with IPO/D.D as Tender Cost worth Rs.1,000/- along with EMD separately for each tender positively by Registered Post on 31.01.2019 at 05:00PM. Tender will be opened on 02.02.2019 at 11:00AM.

Dean
College of Vety. Sci. & A.H.
Jabalpur

College of Vety. Sci. & A.H., NDVSU, Jabalpur (M.P.)
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DEAN

**TERMS & CONDITIONS OF SHORT TENDER FOR PURCHASE OF EQUIPMENT
ITEMS DURING THE YEAR 2018-2019**

No. 149/Purch./Vety./2019, Dated 10/01/2019

M/s. _____

- 1 The tender document may be downloaded from the website of the University(www.ndvsu.org).Tender has to be submitted along with **Indian postal Order or Demand Draft of Rs.1,000/-** in favor of the **Dean, College of Veterinary Science & Animal Husbandry, Jabalpur**. The tender cost of Rs. 1000/- is payable for **each instrument separately**. Tenders must be submitted in sealed envelope addressed to the undersigned by **Registered Post only** and with acknowledgement due so as to reach on or before **31.01.2019 up to 05:00 P.M.** It is advisable to send the tender envelope for each instrument by registered post separately. **The tender after due date and time will not be accepted at any cost.** The envelope cover shall bear **the address of the tenderer along with name and number of the item/instrument as per the tender document.**
- 2 The tender without tender fees will not be valid and hence it will be rejected.
- 3 The technical bid of the tender will be opened in presence of the tenderers or their authorized representatives at **11:00AM on 02.02.2019**. In case any tenderer fails to present himself on the appointed time, the competent authority shall have the right to open the tender in their absence.
4. The tender will be based on **two bid system**. The envelope **A** will contain technical bid and envelope **B** will contain the financial/price bid.
 - A. Document to be kept in envelope A (Technical Bid)**
 - Earnest money of the instrument as mention in appendix A.
 - Sale tax registration certificate along with TIN No.
 - Goods and Service Tax certificate along with GST No.
 - Firm/tenderer copy of PAN issued by Income tax department.
 - List of installation of instrument in reputed national or international institute/ university along with 2 to 3 satisfactory report of user from India
 - A copy of registration in state/municipal corporation.
 - Firm/tenderer should provide the detail of Income Tax for last two years
 - Firm/tenderer should furnish the copy of supply order of Rs. 10 lakhs during last 3 years or copy of supply order of Rs. 5 lakhs in financial year 2017-2018.
 - Firm/tenderer should provide the self attested no-relationship certificate.
 - The copy of all the required international certifications must be enclosed.
 - The firm/tenderer should submit the compliance format (Appendix C).
 - B. The envelope B will contain the only price of the instrument in enclosed format (Appendix B). The price should be written on letter head of company, sealed and signed by authorized person of the firm/tenderer. The envelope B open only if firm/tenderer will qualified technical bid.**
 - C. Envelope ‘C’ will contain both envelope A + B. The S.No. of all the instrument quoted by the firm must be written on C envelope.**
5. The list of technically successful tenderer of each item will be notified on or before 12.02.2019 and upload on web site.
- 6 **The price bid will be open on 13.02.2019 in presence of the successful firm/tenderer of all the items.**
- 7 The tender shall not be acceptable without the receipt of earnest money/security deposit in the shape of **Fixed Deposit Receipt (FDR) mentioned along with the name of instruments** issued by any Nationalized Bank, in favour of **“Dean, College of Veterinary Science & Animal Husbandry, Jabalpur,”** which will be refunded after warranty period, in case of acceptance of the tender.
- 8 The amount of earnest money/ security shall be refunded in full if tender is rejected.

- 9 The above security is taken for due performance of the contract as per provisions of the conditions mentioned in tender form. The same will be refunded on the expiry of the contract on successful completion of the supply with reference to specifications with proper supply and adjustment of any loss by way of purchasing the goods from other party / parties in case of dishonoring of the indent for supply and deliberate non supply.
- 10 Specifications are attached as **APPENDIX “A”** along with Terms & Conditions.
- 11 Quantity of the items to be purchased will depend on the requirement and their shall be no obligation to place order for any quantity of the item.
- 12 **Reputed Manufacturers and their authorized dealers should only submit the tenders for Appendix No. “A” without which no tender will be accepted.** In case authorized dealers is submitting the tender, certificate of authorized dealership from the manufacturer must be enclosed along with the tender documents. **Sub-dealers authorized by authorized dealer are not eligible for participation.**
- 13 Tenders shall not be accepted without Goods and Service Tax and Sales Tax registration number of the firm.
- 14 The competent authority, **“Dean, College of Veterinary Science & Animal Husbandry, Jabalpur”** reserves the right of accepting the tender in part or whole or distribution of the supply between one or more tenderer.
- 15 The submission of a tender by a tenderer implies that he has read the terms and conditions of tender/contract and is fully aware of the scope and specification of the supplies to be made. He also must satisfy himself regarding the suitability and availability of the materials as per the tender document.
- 16 The competent authority (**Dean, College of Veterinary Science & Animal Husbandry, Jabalpur**) reserves the right to increase, decrease or withdraw any item/items of supply during the contract under tender and the tenderer will be bound to comply without any claim for compensation.
- 17 **The rates quoted shall be F.O.R. delivery at College of Vety. Sci. & A.H., Jabalpur for Appendix A.** The rates quoted should be inclusive of packing and forwarding charges loading/unloading/handling charges, freight, full risk coverage, insurance, etc.
- 18 All losses during transit i.e. breakage and shortage etc. will have to be supplied by the tenderer at his own Cost within a period of **15 days** from the date of receipt of notices in this regard.
- 19 The undersigned does not bind himself to accept only the lowest rates, and decision of the purchase committee shall be final and non-challengeable at any case. Normally lowest tender will be considered. However, in special cases, in case of minor difference in cost the instrument having addition special feature if quoted by company may be recommended for purchase.
- 20 The tenderer shall not submit whole or any portion of the contract to any party or parties, else the competent authority is free to cancel the contract and forfeit the security deposit.
- 21 The tenderer shall arrange to supply the commodities within **2-4 week** (For imported items within 06-08 weeks) from the date of receipt of the supply order from the constituent units of the university, unless otherwise indicated in the supply order. In case the tenderer fails to execute the orders of supply within the stipulated period, the competent authority (**Dean, College of Veterinary Science & Animal Husbandry, Jabalpur**) will forfeit the security amount and will be free to make alternate arrangement for purchase of goods.
- 23 **The GST/CST wherever applicable for a particular instrument, has to be shown separately which will be deducted by the institute and certificate regarding this will be issued by the institute.** All other taxes, if any, has to be paid by the supplier himself.
- 24 **Although the NDVSU, Jabalpur does not have the DSIR certification for custom exemption, but have importer exporter code. Thus, if possible, especially for costly equipments (> 5.00lakhs) the imported instruments may be imported directly in favour of unit of the University, so that GST/CST will not be applicable.**
- 25 Single rate should be offered for the entire tender period i.e. up to **31.03.2019**. Rates quoted for less than this period are liable to be rejected.
- 26 The agreement bond should be executed mentioning that the **company will abide by the tender terms and condition on a non-judicial stamp paper worth Rs.100/-** within two week by the successful tenderer. In the event of failure on the part of any successful tenderer to execute the agreement bond on non judicial stamp paper within the prescribed time limit, **“Dean, College of Veterinary Science & Animal Husbandry, Jabalpur”** will be competent to forfeit the security deposit of such successful tenderer.
27. **International certifications (CE/EU/ISO etc.) as indicated for each item separately must be submitted along with the technical specification in envelope A.**

- 28 In case of any dispute arising out of this contract, the arbitration power rests with the Vice-Chancellor, NDVSU, Jabalpur whose decision will be final.
- 29 Tenders once submitted the tenderer cannot withdraw the tender.
- 30 Tenderer has to write clearly the name, address, E-mail and telephone/mobile number of authorized person of the firm.
- 31 **Please quote the rates in Indian Currency only.**
- 32 **In case of any dispute judicial area will be Jabalpur High Court only.**

DEAN
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VPP- 01 WEIGHING BALANCE FOR ORGAN WEIGHING

- Electronic weighing balance
- Option for gm and mg weighing
- Max Capacity 200-220 gm
- Minimum of 0.1- 1mg
- Pan 90-110 mm
- Internal calibration
- Glass covered pan
- Compliance with GMP and GLP.

VPP-02 PARAFFIN EMBEDDING STATION FOR NECROPSY TISSUE

- Microprocessor controlled tissue embedding system.
- Consisting of heated paraffin station with cold plate and heated electric forcep.
- Heating paraffin station should have - paraffin reservoir, tissue cassette holding area, / box. , with temperature setting range from 50°C to 70°C.
- Optimum illumination of the working surface by LED lamp.
- Heated removable waste tray.
- Provided with accessories: Embedding rings (pack of 1000), Stainless steel embedding molds large and medium size (X 20 qty) , should be quoted along with the instrument.

VPP-03 MICROTOME FOR NECROPSY TISSUE

- Manual Microtome for sectioning of paraffin blocks
- With specimen feed system, hand wheel and LCD display.
- Option for sectioning and trimming of tissue section.
- Easy to operate, Section thickness -0.5-60µm with increments of 0.1 µm
- Blade holder setting angle upto 10° with marking of 0, 5 and 10° in the blade holder. Specimen retraction in the return stroke.
- Precise specimen orientation of 8° in X-Y with anti tilt feature.
- Blade holder for both High profile blades and low profile blades setting.
- Security features – specimen clamp, emergency knob, knife holder.
- Disposable finger guard protection should be available.

VPP-04 RAT/ MICE HOUSING ASSEMBLY

a. Polysulfonate rats cages , transparent material

b. Polyvinyl rat cages,

c. Polysulfonate mice cages

- Fully autoclavable
- Provided good finish grill, made up of stainless steel 304.-
- Grill should have provision for food and water bottle.
- Water bottle made up of poly sulfonate with gasket, vacuum type, capacity 250 to 300 mL.
- Provision for tag/card holder

d. Cage holding racks hanging type

e. Rat cage holding racks sliding type

- Made of Stainless steel 304
- For holding the cages of rats and mice
- Hanging type, good finish
- Holding capacity of approximate 25-30 cages
- With 4 castor nylon wheel , free moving and two with break facility

VPP-05 RABBIT HOUSING ASSEMBLY

a. Cage for housing of rabbits

- Fully made up of stainless steel 304, good finish
- Grill on all side with front shutter
- Detachable feed hopper j shaped and water bottle holder
- Bottom perforated, with easy to clean tray
- provided with polysulfonate water bottles with gasket, approx 500 mL capacity
- Provision for tag/card holder

b. Rabbit Cage holding racks

- Made up of Stainless steel 304, good finish
- For housing of 6-8 rabbit cages
- Detachable easy to clean trays
- With heavy duty castor wheel, free and lock system.

VPP-06 HORIZONTAL AUTOCLAVE

- For autoclaving of rat/mice cages, can be filled on wall.
- Horizontal type
- Rectangular internal space and doors.
- Door should be open both side
- High quality stainless steel interior and exterior
- Digital temperature and time controller
- Vacuum breaker, alarm facility, calibration features
- Internal self generating heat
- Approximate capacity of 400 lit
- Approximate size 600X600x900-1200 mm internal space
- With 5 years warranty and maintenance
- Complete installation on wall

VPP-07 TISSUE HOMOGENIZER

- Application: Animal Tissue Homogenization, DNA/RNA extraction, Cell Lysis, Protein Extraction.
- Approximate 250 watts of power
- Volume: 0.5-200 ml Viscosity max approx 5000 mPas
- Frequency 20-40 KHz
- Continuous or pulsed ultrasonic.
- Easy to operate on/off switches, electronic speed control, LCD display
- Programmable machine can store 15-20 programme.
- Dispersing element- stainless steel (can be cleaned quickly and easily)
- Provided with the easily cleanable probe
- Voltage & Frequency : 230V / 50Hz
- Option should be provided with all essential accessories required for the running of the equipment/
- If the instrument has unique features which are proprietary in nature then the proprietary certificate from the manufacture must be included in the tender document.

VPP-08 AIR CONDITIONER (A/C)

- Split A/C.
- 2 ton Capacity
- Minimum of 3 star rating
- Complete installation with wire, case and stabilizer.

VPP-09 MICROSCOPE

- a. Upright light microscope
- b. Require for digital class room.
- c. Integrated or attached with camera, 5MP, CMOS
- d. Microscope should be able connect with TV/ HD monitor /Projector/PC.
- e. Binocular eyepiece 10X
- f. Nosepiece X 4-5
- g. Objective Plan Achromat series or near to this quality
- h. Objective of 5X, 10X, 40X, 100X
- i. Universal condenser
- j. LED 6 Watt. or 30W halogen light source
- k. Provided with flat monitor of approximate 50-55 inches.

VSR-10 1000 mA X-RAY MACHINE

X-Ray machine suitable for high kVp radiography to be used in a veterinary hospital.

A. X-RAY GENERATOR

- High Frequency X-Ray Generator with micro-processor controlled high frequency
- Power output of generator should be 70-100 kW or above suitable for large animal radiography.
- Radiographic KVp Range should be 40 to 200 KV.
- mA Range (Rad.): 800 to 1000mA.
- Exposure time (Rad.): 1ms to 3Sec.

B. X-RAY TUBE AND COLLIMATOR

- Dual focus Rotating Anode.
- Thermally protected X-Ray tube head having (Small focus and large focus of 1mm to 2 mm.)
- Anode heat storage capacity of tube and its casing should be more than 300 KHU-1.0 MHU.
- Supplied with one Pair of 8 meter H.V. Cable.
- Collimator with auto shut off facility should be provided.
- Output X rays should be able to penetrate a minimum thickness of 100 cms.
- The generator and X ray tube system must be manufactured by same/reputed manufacturer.

CONTROL PANEL

A very compact, Soft Touch LCD / LED Control Panel with TFT display having following functions & indications should be provided. The panel can be supplied in Floor or Wall mount with Spill Proof design.

Following features should be available on the control panel.

- Machine ON/OFF Switch.
- Digital Display of KVp, mAs and exposure time.
- KVp & mAs increase and decrease switches.
- Tube focal spot selection Switch.
- Ready and X-Ray on switch with Indicators

- Bucky Selection Switch.
- Self diagnostic Programme with Indicators for Earth fault error, KV error, filament error & Tube's Thermal Overload.
- In build stabilizer for complete system.

A dual action hand switch with retractable cord should be provided for Radiation Protection of Operator.

HV TANK:

A very compact H.V. Tank filled with high dielectric transformer oil should be provided. The H.V. Tank should contain H.V. transformer, Filament Transformers, H.V. Rectifiers & H.V. Cable receptacles.

TUBE STAND:

- Ceiling mounted tube stand, Horizontal movement more than 2 m, Vertical movement more than 1m, Transverse movement 1.5 m,
- Tube rotation on its own axis: 180 degree.

VERTICAL BUCKY STAND:

- Vertical Bucky Stand with oscillating Grid of Ratio 8:1, 85 lines inch or more should be provided.
- The Bucky moves up & down & should be equipped with a stainless steel cassette tray.
- The stand is floor-mounted type & can accommodate cassettes up to 14" X 17". The Bucky is tilted in 6 steps of 15 degree Angle each for various Radiographs.

POWER REQUIREMENT:

The unit should be operable on 3 Phase, 440Volts AC 50Hz with line resist less than 0.4 Ohms. Line Regulation $\pm 10\%$.

TABLE:-

- Floatex table with 4-way movement of the table top i.e. along x axis and y axis is to be provided. Longitudinal movement of tabletop should be 500mm & transverse movement should be 200mm.
- The Table should consist of motorized reciprocating bucky with Imported Grid of size approx. 17 1/4" x 18 7/8" & of Ratio 8:1 – 85 lines/inch.
- The Bucky should be locked at any desired length position by an Electromagnetic lock.
- The table top should be made of low radiation absorption, waterproof material.
- Table Accessories like stainless steel cassette tray, Compression band should be provided.

GENERAL REQUIREMENTS

- The firm should be a well reputed.
- There must be a minimum of 0 - 5 installations in India.
- It should be compatible with Computerized Digital Radiography unit.
- The unit should be approved/ registered by AERB for radiation safety.
- The demonstration at site to fulfill the radiographic requirement for large animals.
- Warranty for three years on all components and AMC/CMC for five years is required on all components.
- The unit should be European CE certified from notified body.

VSR-11 FORK LIFT

It shall have a compact design so as it could to be operated in moderate space like gallery/ corridors of veterinary hospitals			
Load Capacity		1500 Kg minimum	
Load Center		500 mm approx.	
Power		Diesel	
Tyres		Front / Rear	
		Solid without air	
Wheel (s)		Front / Rear	
		2/2	
Fork Size (LxWxT) has to be modified for large animals (4x6.5x2feet)		To be modified/ customized, as per mentioned size for large animals like cattle/ buffalo/ horse	
Tilt Angle (α - β)		6 – 12 degree approx.	
Turning Radius (Outside)		1800-1900 approx.	
Right Angle Stacking Aisie Width (Add Load length and clearance)		2300 – 2600 mm approx.	
Speed (s)	Travel Fwd / Rvs	With Load	10– 20 Km/h approx.
		Without Load	10-15 Km/h approx.
	Lifting	With Load	450 – 500 mm/s approx.
		Without Load	500-600 mm/s approx.
	Lowering	With Load	400 – 500 mm/s approx.
		Without Load	500 – 600 mm/s approx.
Total Weight		2000 – 3000 Kg approx.	
Weight Distribution	With Load	Front	3000 - 4000 Kg approx.
		Rear	500 – 600 Kg approx.
	Without Load	Front	1000 – 1200 Kg approx.
		Rear	1000 – 1500 Kg approx.
Tyre Sizes	Front	6.50- 10 to 12 -10 to 12 PR	
	Rear	5 to 8– 10 PR	
Brake (s)	Service	Hydraulic foot pedal	
	Parking	Mechanical – Hand Lever	
Battery	Voltage/Capacity	12/70 V / AH approx.	
Engine	Rated Horsepower		Approx. 40 – 45 bhp @ 2500- 3000 bhp/r.p.m
	Rated torque		Approx. 131 - 150/1800 N.m(kg.m)/r.p.m
	Number of Cylinders		04 Nos.
	Displacement		Around 2.27 – 2.50 Ltrs.
	Fuel Tank Capacity		40 - 60 Ltrs. approx.
Transmission	Number of speeds –Fwd/Rvs	1 / 1 (Power shift) approx.	
		2 / 2 (Manual shift) approx.	
Operating Pressure	For Attachment	150-200 Kg/cm ² approx.	
All the standard accessories/ components complete in all aspects will be supplied by firm.			
The firm should be a reputed / standard.			
There must be 05 to 08 installations in India.			

VSR-12 PHACOEMULSIFICATION MACHINE (MODEL PERTAINING TO VETERINARY (CANINE) OPHTHALMIC SURGERY)

- Fluid delivery should be Gravity fed and continuous along with foot operated.
- I/V Pole should be manual and automatic both.
- Hand piece should be light weight.
- Should have all modes such as Continuous, pulse, burst and Mpulse modes.
- Should have Peristaltic pump.
- Should have upto 500 mmHg vacuum level.
- Flow rate should be up to 1-50cc per minute or better (linear / non linear).
- Diathermy should be bipolar.
- Power should be between 5-10 watts.
- Vitrectomy should have single cut to high speed cutting, approx. 50-2500 cuts/min.
- Should have both linear & non-linear mode.
- Should have all modes like U/S, I/A, CAPVAC, DIA & VIT.
- Should have foots switch for Ultrasound, Vitrectomy and Aspiration.
- Should have approx. 10 – 11” LCD screen.
- Should occupy minimum space along with trolley and tray.
- Power consumption approx.150Watts.
- Should be MICS compatible.
- The firm should be a reputed / standard and there must be 05 to 08 installations in India.
- The firm will provide a warranty of three years.

VSR-13 SHADOW LESS CEILING OPERATION THEATRE LIGHTS

Parameters	Values/ Type
Main Head / Satellite Head	
Light head diameter	Should have approx.50 – 60 cm
Illumination intensity @1m	Should have approx.120.000 – 1,60000Lux
Focus diameter	Should have approx.15-20cm
Color temperature	Should have approx.4300-4500 K
CRI (Color Rendering Index)	Should have approx. 90-100
Focus adjustable	Yes
No. of LEDs	Should have approx. 60-95
LEDs lifetime	Should have approx. 50,000hrs
Light rotation	Should have approx. 360 degree
Brightness control	Capacitive touch control
Arm length	Should have approx. 4-5 feet
Arm Rotation	Should have approx. 180 degree
Power back up	Should have approx. 30 min to 1 hour
Warranty/ AMC	Should have warranty of 05 years on all parts
Certificate and installation	The firm should be a reputed or ISO certified. There must be 05 – 10 installations in M.P.

Appendix B

Format for Price Bid (Submitted on Letter head of firm/tenderer)

Name of Instrument

Make of Instrument

Model of Instrument

Price of Instrument including of all taxes except GST/CST	X
GST/CST (if any)	Y
Total	X+Y

Seal & Signed

Appendix C

Compliance format (Submitted on Letter head of firm/tenderer)

S. No.	Required specifications of the instrument as per tender	Specifications as per the make and model of the instrument quoted by the firm
1		
2		
..		

Seal & Signed

Schedule of tender Process

S. No.	Particular	Date
1	Date of publication of tender notice	10.01.2019
2	Last date for submission of tender in College of Vety. Sci. & A.H., Jabalpur	31.01.2019
3	Date of opening of tender at College of Vety. Sci. & A.H., Jabalpur	02.02.2019
4	Distribution of tender to different units for preparation of comparative chart	04.02.2019
5	Submission of comparative chart to College of Vety. Sci. & A.H., Jabalpur	07.02.2019
6	Meeting of College level technical committee (College conference hall)	08.02.2019
7	Meeting of University level technical committee (university/DRS conference hall)	11.02.2019
8	Notification of successful tenderer for different items in the website	12.02.2019
9	Date of CPC meeting (university conference hall) for price bid opening	13.02.2019