

संख्या- 35/क्र0प्र0से0/3(ई एण्ड एसडी-1)/निविदा सूचना/उपकरण-सर्जि0डू0/2015-16, दिनांक-11.05.2015

नियत तिथि- 19.06.2015 समय: 2.00 बजे अपरान्ह तक

## टेण्डर फार्म

टेण्डर फार्म संख्या .....

सेवा में,

निदेशक,

पशुपालन विभाग, उत्तर प्रदेश/

अध्यक्ष, क्रय समिति, निदेशालय पशुपालन विभाग, उ0प्र0,

लखनऊ।

**विषय-** पशुपालन विभाग, उत्तर प्रदेश अन्तर्गत विभिन्न संस्थाओं के उपयोगार्थ वर्ष 2015-16 में क्रय किए जाने वाले "Veterinary Equipments/ Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use" की आपूर्ति के लिए दर निर्धारण हेतु निविदा आमंत्रित करने के सम्बन्ध में।

महोदय,

मैंने/हमने टेण्डर नोटिस/फार्म के साथ संलग्न नियम एवं शर्तों में दी गयी सारी सूचनाएं तथा शर्तों को पढ़ लिया है तथा भली-भाँति समझ लिया है। मुझे/हमें सब बातें तथा शर्तें स्वीकार हैं। रेट काण्ट्रैक्ट निर्गत होने के बाद मिलने वाले क्रय आदेशों के समक्ष तीन दिन के अन्दर मैं/हम अपनी ओर से क्रय किए हुए 100/- रुपये के नान-जुडिशियल स्टाम्प पेपर पर निर्धारित अनुबन्ध पत्र भरने को तैयार हूँ/हैं तथा इस टेण्डर के पश्चात् निर्गत रेट काण्ट्रैक्ट में अंकित दर पर अपने द्वारा कोट किए गए आइटम की माँग की जाने वाली मात्रा के 10 प्रतिशत धनराशि को जमानत के रूप में जमा करने को तैयार हूँ/हैं। शर्तें पूर्ण न करने पर जमानत धनराशि को जब्त करने का आपको पूर्ण अधिकार होगा। टेण्डर स्वीकृत होने पर निर्गत रेट काण्ट्रैक्ट पर मैं/हम स्वीकृत आइटमों को निविदा की शर्तों के अनुसार तथा अनुबन्ध पत्र में उल्लिखित शर्तों के अनुरूप पशुपालन विभाग द्वारा निर्धारित स्थान पर सूचित दिनांक तक आपूर्ति करने को तैयार हूँ/हैं।

मैंने/हमने पशुपालन विभाग, उत्तर प्रदेश अन्तर्गत विभिन्न संस्थाओं/प्रयोगशालाओं के उपयोगार्थ वर्ष 2015-16 में क्रय किए जाने वाले "Equipments/ Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use" के लिए टेण्डर दिया है। उसके बयाने की धनराशि रू0 20,000/- (रूपये बीस हजार मात्र) राष्ट्रीयकृत बैंक का एफ0डी0आर0 जो निदेशक, पशुपालन विभाग, उत्तर प्रदेश, लखनऊ के पक्ष में बंधक है, नत्थी कर रहा हूँ/हैं। यदि टेण्डर के सम्बन्ध में गवर्नमेण्ट कन्वेन्सर आदि की कोई सरकारी फीस देनी होगी तो भी मैं/हम देने को तैयार हूँ/हैं।

दिनांक-

निविदादाता के हस्ताक्षर.....

पूरा नाम .....

पता.....

मुहर.....

फर्म का एकाउण्ट नं0 (सी.बी.एस.)....

मोबाइल नं0.....

बैंक का नाम.....

बैंक का आई.एफ.एस.सी. नं0.....

बैंक का ब्रांच कोड.....

बैंक की शाखा का पता.....

बैंक का फोन नं0.....

सम्बन्धित बैंक खाते की फर्म की एक कैंसिल्ड चेक-अनिवार्य रूप से संलग्न किया जाय।

(उपरोक्त सूचना सभी निविदादाता फर्मों द्वारा अनिवार्य रूप से भरी जाय)

निविदादाता के हस्ताक्षर.....

**DECLARATION OF THE TENDERER**

1. That I/We ..... the authorized nominee(s) of the firm .....  
..hereby submit tender to the Animal Husbandry Department, Government of U.P for approval of rates for supply of the "**Veterinary Equipments/ Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use**" to the Animal Husbandry Department, Government of Uttar Pradesh for the Year **2015-2016**.
- 2 That I/We have read the Terms & Conditions of the Tender Form carefully and that I accept all the Terms & Conditions and declare that I/We shall abide by all the Terms & Conditions contained therein.
3. That I am/we are well acquainted with the facts about the firm and the information provided in the Tender Form is true and correct. I/We may be punished as per law for any wrong information and for misleading facts provided in the Tender Form besides rejecting my Tender.
4. The Tender document contains ..... pages.

Signature of the Tenderer.....

alongwith name, designation and

Seal of the Firm.

Address for correspondence: .....

.....

.....

.....PIN.....

Telephone No. ....

Fax No. ....

e mail.....

**CHECK SLIP**

**(To be filled by the Tenderer only)**

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THE DOCUMENTS TO BE COMPULSORILY ENCLOSED TO THE TENDER FORM ARE LISTED BELOW. ANY OMISSION MAKES THE TENDER LIABLE FOR REJECTION. BEFORE SEALING THE TENDER CHECKUP EACH ITEM AND SCORE AT THE APPROPRIATE PLACE WITH YES OR NO.

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1. Name & Address of the Firm :
2. Manufacturing License : Yes/No
3. Income Tax Clearance Certificate enclosed : Yes/No
4. Sales Tax Clearance Certificate enclosed : Yes/No
5. Sample submission Receipt enclosed : Yes/No  
(Only for Master Samples to be deposited at A.H. U.P.Hqs.)
6. E.M.D. Deposit proof alongwith original F.D.R. : Yes/No
7. Marketing Experience Certificate/Self marketing Experience Certificate with affidavit on Non Judicial Stamp of Rs.100/- enclosed (for the products quoted): Yes/No
8. Products Catalogue enclosed : Yes/No
9. Sample submission Exemption proof : Yes/No
10. Original Cash Receipt for purchase of Tender Documents: Yes/No  
or original DD of Rs.500/- in case of downloaded Tender Form
11. Declaration on Non Judicial Stamp of Rs. 100/- regarding: Yes/No  
rates quoted are not more than prevailing Market Rate.

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The above details have been checked and found correct

Place:

Dated:

Signature of the Tenderer  
(Official Seal)

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**FOR OFFICE USE ONLY**

**Remarks:**

Signature of the Scrutinizing Officer

## TERMS & CONDITIONS

### 1.0 ELIGIBILITY:

- 1.1 Manufacturers only.
- 1.2 Manufacturers shall have a minimum Two Years experience in the relevant field as evidenced by relevant documents for the items tendered.
- 1.3 Manufacturer should submit their small scale industry certificate if any, to get the benefit of the small scale industry as per U.P.Govt.G.O., if any.

### 2.0 SUBMISSION OF THE FILLED IN TENDER FORMS:

- 2.1 The tenderer shall submit the tender form along with all prescribed enclosure on or before the date and time fixed by the Office of the Director, Animal Husbandry, U.P. Gokaran Nath Road, Badshah Bagh, Lucknow-226007 (U.P.)
- 2.2 The tender has to be furnished with superscription "**Tender for approval of rates for supply of Equipments/ Machinerics/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use for the Year 2015-16.**" Tender has to be furnished in Two Parts in separate sealed covers in prescribed proforma i.e. **Technical BID (Part I) and Financial BID (Part II)**. Financial Bids of those Tenderers who qualify in the Technical Bid will only be considered for finalization of Rate Contract. **The Tenderers may please note all the columns in the Technical Bid are to be filled in meticulously with precision, with documentary evidences wherever necessary.** All the required documents/enclosures/literatures etc. have to be furnished along with Technical Bid (Part-I of the Tender) only. Qualification of the Financial Bids (Part-II) of the tender) will only depend on the scrutiny of documents enclosed to Technical Bids. Financial Bid shall consist of only the details of rates offered.

### 2.3 *The Scheduled date for the Tender are:-*

*(A) Last Date for submission of Tender on: 19-06-2015 upto 2.00 P.M.*

*(B) Opening of the Technical Bids on : 19-06-2015 at 3.30 P.M.*

*(Part-I of the Tender)*

*(C) Opening of the Financial Bids on : will be communicated later on.*

*(Part-II of the Tender)*

- 2.4 The dates scheduled for receipt and opening of Tenders are fixed and will be changed under extra ordinary circumstances.
- 2.5 If for any unforeseen reasons the date for submission of tenders and opening of tenders happens to be a public holiday, the notified dates automatically get postponed to next working day. If for any other unavoidable circumstances the above-mentioned dates are changed, a notice to that effect shall be pasted on notice board of Directorate of Animal Husbandry, U.P., Gokaran Nath Road, Badshah Bagh, Lucknow.
- 2.6 The Director, Animal Husbandry, U.P., Lucknow. is not responsible for non-receipt of tenders or late receipt of tenders.
- 2.7 The tender forms are non-transferable and only those manufacturing firms who have been issued tender documents by the Director, Animal Husbandry, U.P., Lucknow, shall be eligible to submit the tender. The Tenderer shall not sublet his contract.
- 2.8 Tenders not received in sealed covers with superscription as specified shall be rejected without any further notice.
- 2.9 A Check Slip of the documents to be enclosed is provided with the Tender Form. It should be ensured that all the documents required as per the list are enclosed and recorded in the Check List.

**2.10** Failure to fill and sign the declaration and check slip shall make tender invalid and liable for rejection.

**3.0 DOCUMENTS TO BE ENCLOSED:**

**3.1** All the enclosed documents shall be in English or Hindi. If any document is produced in a Language other than English and Hindi, true translation copies of such document in English shall be enclosed duly attested by a Gazetted Officer. Failure to submit English translation shall make tender invalid.

**3.2** The tenderers are requested to enclose the following documents in a sequential order as given below to the Part-I (Technical Bid) of the Tender. Each document shall be given **Serial Number in "RED INK"** at right top corner of the documents invariable, the below mentioned documents duly attested by a Gazetted Officer have to be arranged and enclosed in the order mentioned below:

Sl. No.	Code Number	Name of the Documents
1	E-I	Declaration Form
2	E-II	Check Slip
3	E-III	Manufacturing License (Issued by Competent Authority for Manufacturing/ Manufacturer under Factory Act/ Director of Industries/ Manufacturer Under Company Act)
4	E-IV	Income Tax Clearance Certificate
5	E-V	Sales Tax Clearance Certificate
6	E-VI	Original receipt for purchase of Tender Documents or original DD of Rs.500/- in case of downloaded Tender Form
7	E-VII	Sample submission Receipt duly signed by departmental official (Only master samples to be deposited at the Directorate of Animal Husbandry, U.P., Lucknow, Hqs.)
8	E-VIII	Sample submission exemption.
9	E-IX	Marketing Experience Certificate Self Marketing Experience Certificate supported with affidavit on Non Judicial Stamp of Rs. 100/-
10	E-X	EMD Original FDR.
11	E-XI	Products Catalogue, Publication/ Abstract.
12	E-XII	Declaration (on Non-Judicial Stamp of Rs. 100/-) to the effect that the rates quoted against the tender are not more than the prevailing market rate.

***No documents shall be enclosed to the Part-II (Financial Bid) of the Tender. THE TECHNICAL BID CONSISTING OF ALL REQUIRED DOCUMENTS IN TWO SETS- ONE ORIGINAL & OTHER DUPLICATE SHALL BE SEALED SEPARATELY & THEN BOTH (ORIGINAL AND DUPLICATE) ENVELOPS OF TECHNICAL BID SHALL BE SEALED IN A ENVELOPE MARKING "TECHNICAL BIDS (ORIGINAL/DUPLICAT)". THE FINANCIAL BID WITHOUT ANY ENCLOSURE IN TWO SETS- ONE ORIGINAL AND OTHER DUPLICATE SHALL BE SEALED IN OTHER TWO SEPARATE ENVELOPS (ORIGINAL AND DUPLICATE) AND THEN BOTH ENVELOPS OF FINANCIAL BID SHALL BE SEALED IN A ENVELOP MARKING "FAINANCIAL BID (ORIGINAL/DUPLICATE)" (ALSO SEE INSTRUCTIONS GIVEN IN POINT NO. 4.1 BELOW). FURTHER BOTH SEALED ENVELOPES OF TETCHICAL AND FINANCIAL BIDS SHALL BE SEALED IN A BIG ENVELOP WITH SUPERSCRIPTION "Tender for approval of rates for supply of Equipments/ Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use for the Year 2015-16."***

**3.3 SECURITY DEPOSIT:**

**3.3.1**The successful tenderer has to deposit the security money in the form of F.D.R. of Nationalized Bank pledged with the **Director, Animal Husbandry, U.P., Lucknow**. Indenting Officer shall communicate the amount of the security deposit required to be deposited.

**3.3.2**The security deposit and the agreement bond along with other declaration will have to be submitted within **10 (TEN)** days from the date of communication of approval of Purchase Order.

**3.4 INCOME TAX CLEARANCE CERTIFICATE (ITCC):**

Attested Xerox Copy of the latest Income Tax Clearance Certificate in the prescribed form from the Income Tax Officer of the concerned area where assessment is done shall be enclosed. Tenderers who are not liable for Income Tax under section 4(3) of Income Tax Act should invariably produce the affidavit to that effect. Enclosed Income Tax Clearance Certificate should be valid on the date of submission of tender. The tenderer, if required shall submit fresh ITCC on the expiry of the ITCC submitted along with tender. If exempted for ITCC submission, please enclose the relevant government order.

**3.5 SALES TAX/VAT CLEARANCE CERTIFICATE (STCC):**

Attested Xerox Copy of the latest Sale Tax/VAT Clearance Certificate obtained from the competent authority of the area concerned shall be enclosed. Those not liable for Sales Tax/VAT payment under relevant rules should produce certificate to that effect. Enclosed Sales Tax/VAT Clearance certificate should be issued not earlier than immediate preceding financial year. Certificates older than that shall not be considered.

**3.6 MANUFACTURING LICENSE:**

Duly attested Xerox copy (a clear print attested by a gazetted officer/Licensing authority along with seal) of the latest Manufacturing license which is in vogue, shall be enclosed. If the firm has applied for renewal of license, necessary authenticated proof given by the competent licensing authority shall be enclosed. License issued for test and analysis will not be considered. The products/items quoted by the tenderer shall be underlined with Red Ink. The license Number and date should also be underlined with Red Ink. The serial number of list of equipments/instruments/glassware as in tender document should be mentioned on left side of the product/item quoted and failing which the tender is liable for rejection and no claim shall be entertained. The manufacturing license should clearly indicate a minimum of 2 (Two) years marketing experience for the items tendered under "Veterinary Equipments/Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use". Items without the proof of two years manufacturing & marketing experience will summarily be rejected.

The tenders received without proper license, authenticated list of items covered by license are liable for rejection without any further notice.

**3.7 Quality Standardization Certificates-**

The required certification regarding the standards such as USFDA/ BIS(ISI) / CE/ WHO/UNICEF/ AERB/ISI etc. stated against respective items in the list should be enclosed with the technical bid.

**4.0 QUOTING RATES:**

- 4.1** The rates quoted shall be in Indian Rupees and paise only and must be expressed both in figures and words as well. The rates should be for the packing and shall be exclusive of Sales Tax. They should either be typed or written legible with ink. The rates of each item should be quoted separately for the required packing only and the tenderer along with stamp shall sign each page, failing with the tendered items in such pages are liable for rejection. Failing to specify the make will also disqualify the tendered item.
- 4.2** The rates should be F.O.R. destination and inclusive of all duties such as excise duty, customs duty (in case of imported items) and other authorized duties (Except Sales Tax/VAT) and the cost of original containers packing, forwarding and other incidental charges. Tenders should not include sales tax while reckoning the rates and should specifically state that rates quoted are exclusive of sales tax/VAT. No representation will be entertained at later date in the aspect. The items, which are exempted from Sales Tax/VAT, should be specifically disclosed.
- 4.3** In case of tenderers from outside the state of Uttar Pradesh the 'D' form will be furnished by the indenters/Director, Animal Husbandry, U.P. to firms to claim Exemption under Central Sales Tax Act as per the rules.

- 4.4** No Insurance charges will be paid by the department.
- 4.5** Stocks shall be delivered at the place indicated by the indenting officer at the cost of supplier.
- 4.6** The rates quoted by the tenderer shall not exceed controlled rates, if the Govt. controlled rates are in force on the date of submission of tenders. In the absence of controlled prices, the tenderer shall quote reasonable price applicable to bulk purchases.
- 4.7** The product catalogue containing the specification etc. for each item shall be enclosed to Part-1 (Technical Bid) of the tender form. Trial reports, professional Abstract / Performance report/ Consumers list etc. pertaining to the product offered may also be enclosed.
- 4.8** The rates offered in the tender shall not exceed the M.R.P. and in any case the lowest price at which the firm sells the product of identical description to any other Department of Organization or person anywhere in the Country. If such incidences of quoting higher rates come to the notice at any time, during the course of Rate Contract for the rest of the Rate Contract period, the Director, Animal Husbandry, U.P., Lucknow reserves the right to initiate an appropriate disciplinary action against such firm(s) as the recovery of excess payment including the black listing of the tenderer and cancellation of rate contract.
- 4.9** If artificially low rates are quoted the, Central Purchase Committee reserves the rights to cross verify them and ignore them from consideration in order to prevent unethical trade practices.
- 4.10** Ordinarily the tendered items will be selected based on the lowest rates quoted by the firms in the financial bids. However, the tender committee reserves the right to select the products even with the higher rates depending upon the quality, popularity and market reputation.
- 4.11** If tenderer quotes the rates at his will overlooking the conditions in the previous paragraphs, the tender is liable for cancellation even after approval of tender and firms will face suitable legal action for such an action at any time during the rate contract period.
- 4.12** If the Government introduces any fresh taxes or increase present rate of taxes, the same will be considered after receipt of any proper representation.
- 4.13** Representation towards upward revision of rates will be considered only on valid and appropriate grounds.
- 4.14.** During the currency of the Rate Contract, if there is any reduction in the price under any statutory provision or by government order, the same reduction in prices shall be made applicable from the date of implementation of the order. The tenderer shall forthwith notify such reduction to the Director, Animal Husbandry, U.P. as well as to the indenting officers failing which the contracts is liable for cancellation and no further correspondence will be entertains in this regard.

## **5.0 SAMPLES:**

### **5.1 Equipments/Instruments & Glasswares:**

The tenderer shall deposit samples before tender submission. One sample of demanded specification in respect of all items quoted shall be deposited with the Director, Animal Husbandry, U.P., Lucknow, which will be treated as master samples. It should be sealed and labeled along with the address of the Tenderer. The samples once deposited in this respect shall not be returned any way and will be retained for the period of rate contract for matching it whensoever required. Non-deposition of samples/not furnishing declaration will entail rejection of the tender.

- 5.1.1** The tenderer shall submit the sample of equipment of demanded specification quoted by him duly sealed under the authority of the tenderer. All the samples so sealed shall be further sealed in a box/cover/A list of the samples sealed shall be pasted properly on the box/cover and shall be authenticated by the tenderer. The officer designated /authorized for receipt of samples shall issue the acknowledgment on the basis of the list pasted on cover of the box/cover. The box/cover shall be opened by the tenderer before the Sample Examination Authority and incase any sample mentioned in the list is not found in the box/cover its rates shall not be considered by the Purchase Committee. Sample as mentioned in Para above shall be deposited with the Director, Animal Husbandry, U.P., Lucknow or any other officer nominated by him.

- 5.1.2** The list of items deposited as above along with certification from the concerned departmental officer should be enclosed with Part-I (Technical Bid) of the Tender Form itself by the Tenderers. If any tenderer has not deposited sample as specified and not furnished certification, his tender is liable for rejection. The samples approved or un-approved under previous year tenders shall not be considered as samples for the present rate contract.
- 5.1.3** The non-approved samples will be returned back to the respective firms by the officer with whom they have deposited. The firms will take back the non-approved sample at their own expenses within 15 days on intimation from Director, A.H., U.P. The authorized personnel on behalf of the tenderer will obtain the acknowledgment from the officer nominated for he receipt of the set of samples and with whom samples have been deposited by tenderer and vice-versa for the deposits receipt of samples.
- 5.1.4** Exemption for deposit of samples of very costly /heavy machines/appliances along with submission of tender will be considered only on prior request. The tenderers are however requested to enclose the printed leaflets elucidating all the details of particulars on equipments.
- THE TENDERER SHALL DEMONSTRATE THE SAID EQUIPMENTS AS AND WHEN ASKED BY THE OFFICER. THE DEMONSTRATION SHOULD BE DONE AT THE COST OF THE TENDERER AT THE PLACE SPECIFIED BY THE OFFICER/ INDENTER .THE TENDERERS HOWEVER SHALL PRODUCE SUCH EXEMPTED ITEMS TO SAMPLE EXAMINATION COMMITTEE AS NOMINATED BY THE DIRECTOR, ANIMAL HUSBANDRY AS AND WHEN REQUIRED FOR VERIFICATION DURING SUPPLY TO VARIOUS FIELD OFFICERS.

#### **6.0 PERIOD OF RATE CONTRACT:**

The Rate Contract will be in force till **31.3.2016** from the date of Rate Contract.

#### **7.0 AGREEMENT BOND:**

Every successful tender on intimation by the indenting officer shall execute an agreement bond on non-judicial stamp paper of Rs. 100/- in the prescribed form which will be supplied alongwith the tentative order (order of indent) at the time of placing order. One side of stamp paper has to be used for typing with due attestation on each page.

#### **8.0 GENERAL:**

- 8.1** The firm shall comply all the indents placed by the Director, Animal Husbandry, U.P.Lucknow/the departmental officers within a specified period of 15 days under ordinarily circumstances from the date of the receipt of supply orders. Under no circumstances, the period shall exceed 30 days. If any firm fails to supply the indented stocks within a period of 30 days, the indented order automatically gets cancelled. Besides any excess cost incurred due to purchase of such stock from other suppliers from open market will be recovered from the defaulting firm.
- If the non-compliance of indents causes inconvenience to the prompt and regular supply of the stocks to the department, the Director, Animal Husbandry, U.P., Lucknow reserves the right to delete such firm form the Rate Contract for the rest of the year.
- 8.2** Payments to the Rate contract firms will ordinarily be made within a period of 30 days from the date of supply of stocks to the departmental officers. However, this period gets extended under special circumstances.
- 8.3** If any tenderer withdraws his tender at any time after opening of sealed tenders on any plea, or offers to modify any Rate by himself, the request of such tenderer will not be considered under any circumstances and Earnest Money deposit of such tenderer will be forfeited. Besides such firms will be debarred from participating in the Annual Tenders of this office/department from a minimum period of three year.



- 8.4** No exact estimate for the quantity of the purchases will be given against this rate contract.
- 8.5** Fresh stock shall invariable be supplied against all indents. In case of premature deterioration, free replacement shall be made and any loss should be made good. Every item shall be of good quality as per the approved specification/sample in all aspects and without any damage at the time of receipt of consignment by the indenting officer.
- 8.6** All labels or cartoons including the labels affixed on the packages shall bear in Red Print or rubber stamp with inscription "For U.P. Animal Husbandry Department Use".
- 8.7** Every product shall have batch number, manufacturing dates, and this should be incorporated in the invoice also.
- 8.8** The successful Tenderer should be prepared to deliver the items indented by various officers at the firm's own cost and it should be in such quantities and number at such time and in such manner as Director, Animal Husbandry, U.P., Lucknow /Purchaser of Department, Animal Husbandry, U.P. or any one duly authorized by him may decide from time to time.
- 8.9** In the event of the successful tenderer failing to supply, the stores indented in his favour under this Rate Contract within the period prescribed of delivery or requesting for deletion of approved and accepted items by the Tenderer, Director, A.H.,U.P. shall have right to resort local purchase and the extra expenditure involved while doing so by the department will be recovered from the Security Deposit in whole or part and if the security deposits falls short, the balance of extra amount will be recovered from any amount payable to the tenderer, by any officer or the Animal Husbandry Department or such an amount will be recovered with legal charges, if any under Revenue Recovery Act.
- 8.10** In the event the successful tenderer failing to supply the store as indented by the Departmental Officer within the prescribed period partially or in whole, the Director, Animal Husbandry, U.P., Lucknow or indenter have the right to take the action against such tenderer or as notified in Para 8.1 and such defaulter will forego the right to participate in future tenders for a minimum period of 3 years.
- 8.11** In case the supplies delivered by the firm are not stipulated quality or quantity delivered without correct invoice the Director, A.H., U.P., Lucknow, or any officer authorized by him shall have the power to reject any such supplies (unless the said firm itself suitably replaces forthwith) besides taking suitable action against the erring firm.
- 8.12** Rejected items shall be taken back at the expenses of the firm within 15 days after notice has been given to the firm of such rejection if not. Director, A.H., U.P. or any one duly authorized by him shall remove them from deposited point and clearance charges thus incurred shall be recovered from the firm.
- 8.13** Any shortage or breakage during the transit will have to be replaced by the supplier free of charge Goods found damaged on opening of consignment on the basis of certificate issued by consignee without any further proof shall be replaced at the cost of the supplier.
- 8.14** The bills of cost towards the stores supplied by the Rate Contract firm should be sent to the indenting officer/consignee. The indenting officer and Director, A.H.,U.P. Lucknow reserves the right to deduct from the Bills suitable sums on account of quantity, quality or by way of penalty for any specific defaults.
- 8.15** The decision of the Director, Animal Husbandry, U.P., Lucknow. or his duly authorized officer shall be final with regard to the acceptability of store supplied by the tenderer and plea for assigning the reasons for rejection will not be entertained.
- 8.16** Copies of document produced by the tenderer should be clear and readable, otherwise it will not be considered. All Xerox copies of documents enclosed shall be duly attested by a Gazetted Officer, under his name and official seal.
- 8.17** The Tender Forms failing to contain necessary enclosures and/Incomplete/Faulty Forms at the time of opening shall be rejected without any further notice. No extension of time will be given in this regard.

- 8.18** The Purchase Committee or its nominee is empowered to cross verify the facts provided in the Technical Bid, before finalizing the firms as well as products to be placed before the Purchase Committee. If necessary, Purchase Committee or its nominees can visit the participating firm and inspect the manufacturing, analytical and other facilities for arriving at the decision regarding the finalization of Technical Bid.
- 8.19** Tenders with extra conditions, if any, of the tenderer will be summarily rejected.
- 8.20** The Central Purchase Committee does not bind itself to accept the lowest tender and reserves the right to reject any only or all tenders without assigning any reasons or accept any one or more tenders for the same item, without assigning any reasons thereof and no further correspondence will be entertained on this.
- 8.21** The Director of Animal Husbandry, U.P. Lucknow is empowered to resort to punitive actions ranging from the recovering of losses to black listing of the erring Rate Contract Firm for any kind of malpractices violating the tender terms and conditions.
- 8.22** Only those agreeing with the above conditions may offer their tenders.
- 8.23** All legal complications or suits, if any, sought on these transactions shall be limited to any competent Court of Law within Lucknow jurisdiction only.

**Director  
Animal Husbandry, U.P.,  
Lucknow**

**Office of the Director, Animal Husbandry, U.P.,  
BADSHAH BAGH, LCUKNOW.**

Part-II **FINANCIAL BID AGAINST TENDER FOR APPROVAL OF RATES FOR SUPPLY OF "Veterinary Equipments/ Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use" FOR THE FINANCIAL YEAR 2015-16.**

Name & Address of the Firm .....

.....

.....

S.No.	Code No.(As given in Tender List)	Name of the item(s) offered	Unit/Packing (As required in Tender Form)	Rate in Rs.	
				In Fig	In Words
1	2	3	4	5	6

**DECLARATION**

I/We declare that the above rates offered do not exceed the whole sale price/Government price/ M.R.P. offered in any state within the territory of India and that these rates are inclusive of all kinds of charges/taxes except sales tax/VAT and based on F.O.R. destination.

Signature

Name

Designation

(With Seal)

(N.B.: A separate sheet can be enclosed, if more items are offered, However, no other kind of enclosure are require along with financial bid. All kinds of documents should be enclosed to the Technical Bids only.)

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**Office of the Director, Animal Husbandry, U.P.,  
BADSHAH BAGH, LCUKNOW.**

**List of "Veterinary Equipments/ Machineries/Instruments & Glassware etc. for A.I., Surgical, Pathological, Laboratory & Hospital use" to be tendered for the financial year 2015-16**

Sl. No.	Name of Item	Specification	Unit Pack
1.	A.I. Gun	German/French / Mini French	Each
2.	A.I. Gun Universal	AI gun universal pattern suitable for French mini/medium/German straws. The gun consists of stainless steel barrel and plunger. Barrel should be attached with adopter such that it should have auto fix/auto release mechanism for handling AI sheaths. Plunger should be made of desired flexibility so that after slight bending it should not loose shape. The Plunger should have locking mechanism to avoid free fall from barrel.	Each
3.	A.I. Kit	Consisting of A.I. Gun Universal-2, A.I. Sheath Univ. 100(individually Packed), Hand Gloves Latex with rubber arm sleeves number-9 one pair, Disposable A.I. Gloves-100(Made of LDPE material , length 34" and should be made of less than 20 micron film. Lab test report is must for film used), Scissors SS 15 cm straight-2, , Thawing Flask with dial thermometer-1 Goblet German, French, Mini French-1 each of 50 straws cap., Dipstick 1Meter Folding, Straw cutter with extra blade, Long Forceps SS 45 cm -1, Straw Tweezer PVC-1,Thermos Flask wide mouth with steel inner and PVC outer body 1 Ltr. cap.-1, E.I. Tray 250x300mm-1, in a Kit bag (Haver Sac) Multi pocket size 18"x12"x6"	Each Kit
4.	A.I. Sheath	German/French/Universal split type/Mini French Individually packed and sterilized)	Pack of 50 each
5.	Adjustable Blade (Detachable)	For 30 cm Orthopedic Saw	Each
6.	Air Cleaner	Air Dust Cleaner should have continuous rolling motor fitted with tubular impellers and double dust collection unit each comprising of 35 aluminum dust collection plates and fitted with two tubular impellers and pre and first filter media operative 220 volts, single phase portable fitted on duster feed for easy movement and safety device capacity 1200 cfm, room size 12'x10'x10' fitted with motor 1/10 HP (As per latest IS, if any). (including installation, demonstration & fittings)	Each
7.	Air Curtain	Air Curtain -Centrifugal type forward-bending dynamically balanced blowers, all metallic light weight body, buttons to control high/low velocity, suitable motor(s) to run 5000 hours continuously, variable installation heights 2.5 meters- 3.0 meters, over heating protection, Capacity (1)Air Spam 122 cm, Air Displacement 1250 CFM, (2) Air Spam 91.5, Air Displacement 850 CFM (As per latest IS, if any). (including installation, demonstration & fittings)	Each

8.	Ambu Bag (for small animals)	Self-inflating bag, an air inlet valve, one face mask attached to ruben and a non-rebreathing valve.	Each
9.	Apron Cotton/Plastic	Free size	Each
10.	Autoclavable Unbreakable Reusable Plastic Syringe Made of P.P. Material, individually packed	<b>5ml/ 10 ml</b> , Facility for Luermount Needle, should bear autoclaving at 121 °C for 30 Minutes, without changing its shape	Each
11.	Autoclave Vertical Electric/ Non Electric (Portable)	<b>Electric Autoclave (SS)</b> size 450mm height and 300mm dia, made of SS 304 grade, SS lid, jointless rubber gasket. Should be fitted with pressure guage, steam release cock, safety valve and cord and plug suitable for power supply 220-230 volts. Solid Iron stand to support autoclave.  <b>Non-Electric Autoclave (SS)</b> size 450mm height and 300mm dia, made of SS 304 grade, SS lid, thick bottom for withstanding direct flame heat, jointless rubber gasket. Should be fitted with pressure guage, steam release cock, safety valve. Solid Iron stand to support autoclave.	Each
12.	Automatic Drinker Jumbo Polymer	340 mm Dia, 1070 mm Circum	Each
13.	Automatic Drinker Polymer Broiler	290 mm diameter	Each
14.	Automatic Drinker Polymer for starter	2.25 Ltr. Cap.	Each
15.	Automatic Drinker Polymer P.A.S.	280 mm dia, 880 mm circum	Each
16.	Automatic Thawing unit electric	37 °C	Each
17.	Automatic Vaccinator	Bottle and vial attachment, pressure dose adjustment from 0.5ml to 5ml, Luer Lock Needle Nozzle with spare service kit.	Each
18.	B.P. Blades	<b>ISI</b> , No. 11,12,13, 16,17,18,22,23,24,	Each
19.	B.P. Handle S.S.	No. 3 & 4 Standard	Each
20.	Bacteriological Incubator	Double Walled, inside chamber made of S.S., thermostatically controlled, temperature 37 degree C+3 degree C, inner glass door, built in L shape thermometer, 2 pilot lamps, on/off switch and perforated trays. 450mm x450mm x 450mm	Each
21.	Binocular Microscope	<b>ISI, Objectives</b> 4x,10x,40x and 100x, Spring Loaded, observation tuse inclined 45digree, inter pupillary distance adjustment between 50-70 mm.Plain achromatic lens, Illumination built in bases and focal mirror arrangement.	Each
22.	Blood Collection vials, polystyrene vials with polypropylene caps	17mm x 47mm, 6ml cap. With anticoagulant substance	Each
23.	Bone Pin Cutter	Standard	Each

24.	Breeder's Thermometer	°C	Each
25.	Broiler Feeder Polymer	6.5 kg capacity	Each
26.	Bucket SS	12 Ltr. Cap.	Each
27.	Bull Nose Punch S.S.	30 cm	Each
28.	Bull Nose Ring Copper	6.5 cm dia, 0.5cm thick	Each
29.	California Mastitis Test Kit	Complete Kit made of Polypropylene with 4 mixing chambers and full grip handle including reagent, reagent dispenser and test colour standard chart	Each set
30.	Castrator for large animals 47.5 cm	<p><b><u>SPECIFICATION OF CASTRATOR (INDIAN MAKE)</u></b></p> <p>The specification of indigenous castrator has been detailed as under-</p> <p>"The shape of the equipment should be that of a bloodless castrator commonly used in veterinary practice. Length should be between 460 to 480mm. The jaw width should be between 73mm to 77mm for the upper (crushing) jaw. The lower (cord stop), jaw should have cord stop on both sides. The gap on either side between the crushing and cord stop jaw should range between 1.5 to 2mm. The cordstop should have a height of 5mm to 8mm from the inner edges. The jaws should be able to open to a maximum of 40mm to 45 mm. The body should be made of solid metal which is non-injurious to the skin on contact and may be of steel, polished bright and passivated. The joints, hingers, screws, nuts and bolts should be made of the same material as that of the body. Handle should be non-slippery but smooth, capable of providing a good grip and made up of an unbreakable material (Plastic, bakelite etc.) The metal should be smooth without pits, cracks, scales, seams or other surface defects. The closing and opening of the jaws and arms should be easy, smooth and jerk free. The jaw edges should be perfectly aligned and meet completely and evenly in closed position. The crushing surface of the jaws should be convex and not flat. The jaws should remain in position till released by the operator and should not develop gap at the crushing edge on release of pressure. There should not be any undue play or stiffness at the joints."</p>	Each
31.	Catgut Chromic	assorted	Each
32.	Cattle Crush	<p><b><u>CATTLE CRUSH</u></b></p> <p>Tubular, made of G.I. Pipe with outside diameter 60mm, height of front &amp; back pillar 1980 mm, length &amp; breadth of Cattle Crush be 1830 x 877 mm respectively. All Four Pillars should be provided holes at 75mm distance from bottom and be provided with round bars of 12mm diameter &amp; 300 mm long, side pillars be joined by 2 tubular beams having 60 mm outside diameter, the insided distance between the two beams being 477 mm. The two sides of beams should be supported by Two G.I. pipers of 48 mm diameter. Lower</p>	Each Set

		Side beam at 1223 mm height and upper side beam at 1700 mm height. Circular 1 inch painted marking on all four pillars at the height of 450mm from below to indicate ground fill / fixation. Cattle Crush should also be provided with an adjustable gate to open sides. Gate should consist one sliding G.I. pipe on two horizontal pipe of 60mm outer diameter to secure the neck of animal. Two extra G.I. pipe 1.2 mtr. long of 60mm outer diameter should be provided for the backsides. Two metallic loops on each side vertical rear pillar to control Cattle from backside be provided. <b>All the G.I. pipes used should be of ISI Mark 'A' class with visible ISI Mark on every meter of pipe. All the joints should be electrically welded. (Note-Weight of the cattle crush should comply with the norms of the ISI Mark, 'A' Class GI pipe standard of specified diameters with variable maximum/minimum permissible limits).</b>	
33.	Cheatel Forceps	Standard	Each
34.	Chick Tray Polymer 2kg. Feed Capacity	228 mm Dia.	Each
35.	Chuck with Key (Orthopedic) S.S.	20 cm	Each Set
36.	Clinical Centrifuge	8x15ml swing out head, rectangular body, fitted with transparent lid, easy locking system, step less speed regulator, 60 minutes timer and speed meter, maximum speed 5000 rpm.	Each
37.	Clinical Thermameter °C	ISI Marked	Each
38.	Clipping scissors	S.S.15 cm	Each
39.	Cold Box <b>WHO/UNICEF specification</b>	Vaccine Storage capacity 20 Ltr., weight fully loaded 43.4 kg. weight empty 17.5 kg. external surface material plastic , internal lining material plastic insulation material polyurathane, insulation thickness 110 mm, external dimension 77x53x54 cm, internal dimension 54x30x31 cm, vaccine storage dimension 48x24x17 cm, lid type and fixing hinged supplied with 52 ice packs.	Each
40.	Cold Cabinet/Cold Room	<b><u>COLD CABINET/COLD ROOM</u></b> Cold Room with 75% capacity as cold cabinet having temperature 2 to 8 oC and 25% capacity with racks as deep freezers (-) 20oC on ambient temperature up to 48oC. Size-6' width x7'(length)x7'(height). Compressor- The whole unit shall have hermetically sealed reciprocating type compressors as required for cooler and freezer. Insulation- PUF 60mm/100mm(Density 40kg/mt3). Material of construction- Stainless Steel (304 GR) 22 G (Inside and outside). Refrigerant -CFC & HCFC Free. Other Features: Door Locking Device with alarm, Digital Temperature Display for refrigeration and deep freezer separately fitted outside the main door. Alarm System for Temperature Beyond set point, Door Gasket,	Each Set

		Sound Proofing of DG set etc. Power Back-up-Diesel Generating set 5 KVA of ISI standard with pollution and noise control and being environmental friendly and should be of one of the reputed firms like Kirlosskar, Birla Yamaha/Sriram Honda/Crompton etc.Line drawing should have been given compulsorily.	
41.	Conical Flask 500ml/250ml	Borosilicate Glass	Each
42.	Cover Slip Round/Square Free from brittleness	18x18mm square/16mm round	10 gm pack
43.	Crane Mouth Wash Bottle	Plastic, 500 ml	Each
44.	Cryo Box, Polycarbonate with transparent cover, to accommodate 81 cryo vials of 1.8ml/ 4.5 ml	Accommodating 4.5ml cryo vials/ Accommodating 1.8 ml cryo vials	Each
45.	Cryo Marker Pen	Water Proof	Pack of 5
46.	Cryo Vials	4.5 ml/1.8ml	Each
47.	Cryoscope	As per IVRI Specification	Each
48.	Culture Tube with Screw Cap	30 ml/60 ml	Each
49.	Deep Fridge with Stabilizer CFI double chamber width 70 cmx ht.87cmxLength 157cm to work on single phase,50cy,220 volt,AC works	Horizontal 400 ltr.cap.,-20 & -40 degree C freezing, outer wall of cold rolled 20 swg mild steel, inner wall of 24swg galvanized iron 4 inch thick puff insulation	Each
50.	Dehorning saw with detachable Blades	45 cm	Each
51.	Detachables Blades for Dehorning saw	for 45 cm dehorning saw	Each
52.	Digital pH Meter	Microprocessor based pH/Temp./mV Meter with 16x2 alphanumeric LCD display 7 digit having auto Temp. compensation. Auto Buffer recognition along with accessories. Data storage facility up to 500 to 700 samples, complete with pH Electrode, Temp. probe, Electrode Stand, Buffer along with pH combination Electrode, Platinum Electrode.	Each
53.	Dipstick Fiber Sheet	1 Mtr.	Each
54.	Disposable A.I. Gloves	Made of <b>LDPE</b> material, length 34" and should be made of less than 20 micron film. Lab test report is must for film used.	Pack of 100
55.	Disposable Apron Medium / large	Standard	Each
56.	Disposable caps and face mask	Standard	Each
57.	Distillation Plant.	1.5 Ltr. Capacity, Borosilicate double distillers	Each
58.	Distilled Water Bottle Plastic	500ml capacity	Each
59.	Doctor Coat Tericot	Free Size	Each
60.	Dog Nail Cutter	Standard	Each



61.	Douche Can S.S.	1 Lit. Cap. with 1.5 mtr. Rubber Tube	1 set
62.	Dressing Drum S.S. Round 20 gauge	Height 30cmx30cm dia/25cmx20cm dia	Each
63.	Dressing Forceps S.S.	15 cm/25 cm	Each
64.	Dystokia Set	<b><u>DYSTOKIA SET</u></b> Hand, Kuhn's Crutch, Wooden Bar, Cammarer Torsion Fork, Snares/Ropes, Obstretical Iron Chain, Small Eye Hook-2, Lindhorst's Eyehook (Long Handle Eye Hook), Blun(Concealed Spring) Eyehook, Obermayer's Analhook. Krey Schetler's Hook, Keller's Semisharp Spatula, Schriever's Snare Introducer, Sand's Snare Introducer, Ballshaped Handles-2, T shaped Handles-2, D shaped Handles-2, Wire cutter-Plier(Plash), Foeteoctomy Wire, Benesch Foeteoctome, Thygesen's Foeteoctome, Cleaner Brush Rober's Knife-2, Stalfor's Knife-2, Colepaterngaur-del knife, Hallowshoks Ring Knife.	Each Set
65.	S.S. Jar with lid	2 kg. capacity	Each
66.	S.S. Jug	4 Ltr. Cap.	Each
67.	E.I. Tray	350mmx400mm	Each
68.	Egg Transport Trolley	Standard	Each
69.	Egg Tray Polymer	Standard	Each
70.	Egg Washing Machine	Standard	Each
71.	Electric Dehorner	30 cm length	Each
72.	Electric Fumigator	Made up of thick SS conforming to ISI standards, capacity 5 Ltrs., approximate weight 11 kg., size- 350mm(dia) x400mm (Height)	Each
73.	Electrically operated Needle & Syringe Destroyer	ABS Plastic Moulded, poert aprox. 1000w, destruction rate maximum one minute per needle of 1.6mm thicknessx80mm length size, minimum 350 cutted hubs of syringes and burnt residue of needles Dimension of machine (approximate)- Width 12.5cm(± 1.0cm) x Length 17.5cm (± 1.0cm) x Height 17.5cm (± 1.0cm)	Each
74.	Electric Sterilizer S.S.	30cmx15cmx20cm 1500 Watt.	
75.	Electronic Balance	Readability 0.01 gm., Weighing capacity 310 gm., repeatability (s) 0.01gm., Linearity 0.02gm., Calibration weight 200gm., Temp. range 10 to 30 °C, WXDXH 190x290x62 mm.	Each
76.	ELISA plates	96 wells, polysterine	Each
77.	Empty French Mini Straws	Empty French Mini A.I. straws having capacity 0.25ml with factory plug at one end and other end open , straw should be made of non-toxic PVC material and should be sterilized The straws should be able to use with imported sealing and filling machine. The straw should not crack during freezing and thawing. Colour of straw should not fade during freezing; straws should be in different colours.	1000
78.	Empty Straws	German with Balls	1000

79.	Endotracheal tubes	cuffed/non cuffed- each of No.5, 6, 7,8	Each
80.	Endoscope Set Endoscopy items for diagnostic laproscopy and laproscopic sterilization of female dogs.	<b><u>Endoscope Set -Endoscopy items for diagnostic laproscopy and laproscopic sterilization of female dogs-</u></b> Consisting of- Hopkins telescope 10mm-28 to 30cm size-1, Hopkins telescope 5mm-28 to 30 cm size-1, Temamian self retaining cannuala for 10mm telescope-1, Temamian self retaining cannuala for 5mm telescope-2, Diamond head trocar and cannula for 20mm telescope-1, Veress Pneumoperitoneum needle-1, Endo-Palpation probe-1, Cliockline grasper-2, Clickline scissors-1, Bipolar diathermy cord-1, Surgical diathermy -1, Co2 insufflator-1, Endovision camera-1, Cold light (xenon) generator-1, Suction and irrigation apparatus-1, Endoclip applicator-1, CO2 Cylinder with pressure regulator-1, Endoscopic data storage and documentation system-1, Flexible optical fiber cold light cord-1, Formaldehyde chamber-2, Consumables such as Endoclips-q.s., LCD TV or TFT monitor of not less than 21"-1, Laparoscopy Trolley-1.	Each
81.	Enema Pump (Veterinary)	Reedis Standard	Each
82.	Face Mask	Cotton Standard	Each
83.	Face Mask	With Hepa filter 3M-N95 standard kit must be disinfected by Gamma irradiation and the irradiation certificate required.	Each
84.	Firing Iron Set (Conical,Line,Pin)	Complete Set of three	Each Set
85.	Flask Flat Bottom Borosilicate Glass	150/500/1000ml	Each
86.	Foot Operated waste bin	Made of SS. Size 30cm dia and 45cm height. 20 Ltr. capacity and completely fit size plastic waste bucket inside. With SS Lid and side lifting handle gripper.	Each
87.	Forceps S.S.	15 cm, 17.5 cm, 20 cm	Each
88.	Formalin Chamber with 100 formalin tablets	Non Corrosive, Standard, 20"x 8"x 8"	Each
89.	Frosted Micro slides	Frosted area 19mm from sides± 2mm, thickness 1 mm	50x1 pack
90.	Full Rubber apron	Standard	Each
91.	Gerlach Buhner Vulva suture instrument	SS 18 cm	Each
92.	Glass beaker Borosilicate Glass	250/500 ml	Each
93.	Glass Flask	250 ml	Each
94.	Glass Funnel 75 mm & 15cm	Borosilicate Glass	Each
95.	Glass Rod	2mm x 30cm	Each
96.	Glass Slides	Free from brittleness 76x26x1.45mm(±1)	Pack of 50
97.	Glass Syringe Borosilicate glass	ISI- 2 ml, 5 ml, 10 ml	Each
98.	Goblets Plastic French	100 Straws/200/250 Straws	Each

99.	Goblets Plastic German	100 Straws/200/250 Straws	Each
100.	Gray's mouth gags for dogs	SS 11cm/14cm/16cm	Each
101.	Grease Pencil	Glass marking	Dozen
102.	Grooved Slides for hanging drop	Free from brittleness	Each
103.	Grover Feeder Polymer Feeding capacity 8 kg.	340 mm, 105 cm Circum with grill 25mmx35x43mm	Each
104.	Gumboot Assorted Size	Standard	Each Pair
105.	Haemocytometer (Neubauer)	Complete set, Double ruling,0.1 mm depth.	Each
106.	Haemostat Straight S.S.	12.5cm/15 cm/17.5cm	Each
107.	Haemostate Curved S.S.	15 cm.	Each
108.	Hand Gloves Latex ISI marked	Free size	Each pair
109.	Hatcher Automatic & Computerized	4500 Eggs Capacity	Each
110.	Hatcher Automatic & Computerized	5250 Eggs Capacity	Each
111.	Hatcher Automatic & Computerized	9000 Eggs Capacity	Each
112.	Hatcher Automatic & Computerized	10500 Eggs Capacity	Each
113.	Haver Sac Bag	18"ht. x18"Length x6" Width	Each
114.	Hog Catcher	Standard	Each Set
115.	Hoof Trimming Set	Claw and hoof cutter with multiple interchangeable blades, claw cutter pointed 25cm-1, hoof knife right with wooden handle-1, hoof buffer length 16.5 cm x with 4.2 cm with wooden handle-1, hoof hammer with wooden handle-1.	Each set
116.	Hot Air Oven	Universal Memmert Type, Double Walled, Inner Chamber made of S.S. Material, Temperature range 50-300 degree C. Digital Temperature Indicator-cum-Controller. On/ Off Switch and perforated Trays. Fitted with Air Circulating. 600mm x600mm x600 mm.	Each
117.	Hypodermic Needle	15 x3/4", 16x3/4", 18x3/4", 18x1.5"	Dozen
118.	Ice Box (thermic container)	20"x18"x10"	Each
119.	Ice Liner	<b><u>ICE LINER (ICE LINED REFRIGERATOR OR FREEZER)-</u></b> <b>External dimensions-</b> Height 850 to 900mm, Wide 700 to 750mm, Length 1500 to 1600mm. <b>Vaccine Storage Capacity-</b> 300 Liters. <b>Holdover time</b> -(In case of power cuts) for more than 24 hours. <b>Compressor compartment-</b> Hermetically sealed high quality compressor 230 V 50/60 Hz. Relatively noiseless fan to cool down the compressor. All steel tubes protected with special compound against rust formation 1 thermostat pre- stetted from the factory for 2°C to 8°C. <b>Control panel-</b> Situated at the front of the unit.	Each

		Light indicators for different functions, 1 digital thermometer to indicate the internal temperature, latest cooling system. <b>Refrigerant-</b> CFC & HCFC Free. <b>Insulation-</b> with thick polyurethane foam. <b>Foaming Agent-</b> Cyclopentane. <b>Ice Lining:</b> with plastic tubes to act as a Ice bank during power cut. <b>Outer Body-</b> Lockable Lid including 2 keys. Resistant enamel finish. Silicon magnetic Gasket for tight sealing with adjustable spring hinges.	
120.	Infrared Lamp	<b>CE(European) Certified.</b> <b>Technical specifications</b> <ul style="list-style-type: none"> <li>•Power: 150 W</li> <li>•Voltage: 220/230 or 240/250V V</li> <li>•Frequency: 50 Hz</li> <li>•Cord length: 180 cm</li> <li>•Insulation: Class II (double isolation)</li> <li>•Type of lamps: PAR 38E, 150 W + prismatic rings for more focus</li> <li>•Lifetime of lamp: 750 sessions of 10 minutes</li> </ul> <b>Weight and dimensions</b> <ul style="list-style-type: none"> <li>•Product dimensions: 22.0x13.0x18.5 (HxWxD) cm</li> <li>•Product weight: 1 kg</li> </ul> <b>Provided with</b> <ul style="list-style-type: none"> <li>• Adjustability: 0-40 degrees (backwards)</li> <li>•On/off switch</li> </ul>	Each
121.	Inoculation Needle for Record Syringe	16 No. " BWG	Pack of 10
122.	Inoculations Needle	No.23, No.24	Dozen
123.	Instrument Cabinet with 3 Glass Self	150 cm x 90 cm x 60 cm, 20 Gauge	Each
124.	Instrument Tray S.S. with Lid.	250mm x 300mm/350 mm x 300 mm/350 x 400 mm	Each
125.	Insulated Sample Carrier	wide mouth vacuum flask made of S.S. inside and outside with carrying Strap. Capacity 500ml	Each
126.	Intra Medullary Bone Pins	Assorted size	Each
127.	Kidney Tray S.S.	15 cm length	Each
128.	Laminar Air Flow System	Working area 1200x600x600mm, size of hepa filter 1200x600x150mm, number of pre-filter-2, illumination 2x40 W, all exterior surfaces covered with laminated mica, S.S. Table Top, complete with HEPA Filters and PRE Filters, front and side doors made up of plexi glass, transparent thick sheet, built in U.B. tube with work table fluorescent light.	Each
129.	Laryngoscope with 4 blades (For small animals laryngoscopy/ standard)	Full stainless body with blade and hood attached blade, 100mm length, 130mm length and 155 mm length of fiber-lite attached, cool high power light, fibre-lite lamp key, fibre lite lamp.	Each
130.	Latex Cone	22.5 cms	Each
131.	Latex Lining	55 cms	Each
132.	Leather Gloves Seamless	Free Size	Each Pair
133.	Leur Lock Needle ISI Mark	18 x3/4"	Packet of 10

134.	Leur Lock Needle ISI Mark	15 x3/4"	Packet of 10
135.	Leur mount needle ISI Mark	15x1.5",16x1.5",18x1.5",20x1.5",15x3/4", 16x3/4",18x3/4"	Packet of 10
136.	Liquid Nitrogen Container 50-55 Ltrs- <b>ISI</b>	<b>ISI</b> - approximate capacity 50-55 Ltrs. Static evaporation loss rate 0.40-0.45 Ltrs/day	Each
137.	Liquid Nitrogen Containers -ISI	<b>ISI</b> 1/3/10/20/26/30/45 Ltr. Cap.	Each
138.	Liquid Nitrogen Storage Tank	500 Ltr. Cap. Approx. Mounted on Chesis (Super Insulated)	Each
139.	LN <sub>2</sub> Pouring Spout	fitted with insulated Jet and Spl. Grade rubber stopper for neck locking	Each
140.	Long Forceps S.S.	45 cm	Each
141.	Macintosh Sheet	Double Colour	Each Mtr.
142.	Manual Drinker Polymer Baby	Standard	Each
143.	Manual Drinker Round Polymer Broiler	6.5 Ltr. Cap. 325 mm dia	Each
144.	Manual Drinker Round Polymer Chick	2.5 ltr. Cap., 245 mm dia, Ht. 250 ml	Each
145.	Mayo's S.S Scissors Curved.	15 cm.	Each
146.	Mayo's S.S. Scissors Straight	15 cm.	Each
147.	Measuring Cylinder	Borosilicate Glass -10ml /25ml/50ml/ 100ml/250ml /500ml/ 1000ml	Each
148.	Metal Catheter for bitch	SS, Standard	Each
149.	Metal Loop Holder(SS rod holder with heat resistant handles)	In which any size of Nichrone wire can be injected	Each
150.	Micropipette 12 Channel	5-50 Micro liter	Each
151.	Micropipettes Multi Channel	8/12 channels, 5-50mul	Each
152.	Micropipettes Single Channel	5-50 mul/1-10mul	Each
153.	Mouth Gag for Cattle	Standard	Each
154.	Muscline Cloth	Standard	1 meter
155.	Needle Holder	S.S. 15 cm	Each Set
156.	Nichrome loop, double curved	4m.m. dia, calibrated to 0.005	Each
157.	Non Electric Sterilizer	510mmx200mmx150mm. SS	Each
158.	Obstetrical Gloves	Shoulder Length Made up of high quality plastic stretchable, disposable	Each Pair
159.	Ointment Slab Porcelain	20 cmx20 cm	Each
160.	Operation Table for Small Animals (Hydraulic)	1- Constructed of S.S. mounted with coir mattress, operated by hydraulic pressure. 2- Which can be raised & lowered. 3- Must have a central drainage & V cut. 4- With leather straps for restraining animals. 5- Measurement- 60" x 30"	Each

		<p>6- Table Top- S.S. / 6 G.</p> <p>7- Should be straight built &amp; Auto Floor locking device.</p> <p>8- Provision for upward &amp; downward movements of the table top along with system.</p> <p>9- Telendelenburg &amp; Reverse Telendelenburg position.</p> <p>10- Four groovers towards the drainage hole of minimum 2.5 cms. having outlet pipe bottom. 3 nos. on length wise and 2 nos. on breath wise, thick S.S. rings of 2 cms dia are to be provided on the lower frame of the table top in such a manner that they should be visible &amp; should not hamper with working of surgeon. There should be provision to hold S.S. tray of size 18x12" for keeping instruments. The table should also be provided S.S. I.V. set &amp; with a facility to fix on any four sides of table.</p> <p>11- Loading capacity upto 150kg.</p> <p>12- Remote control as option.</p> <p>13- Provision for Pedal Operation also.</p>	
161.	Orthopedic Saw S.S.	30cm With Adjustable Blade	Each Set
162.	Otoscope and Ophthalmoscope set	Otoscope and Ophthalmoscope set of good quality and for veterinary use. It should be batteries operated and easy to handle, otoscope head with 4x magnification, 3 specula of size 80mmx6mm, 58mmx5mm, 80mmx4mm with one spare bulb, one ophthalmoscope head.	Each set
163.	Petri dish borosilicate glass	Glass 5 cm dia /117x100mm	Each
164.	PGA 910 Suture	Assorted	Each Pack
165.	pH Paper	Full Range	pack of(5 x 20 strips)
166.	Phase Contrast Microscope with biotherm	<b>ISI</b> , Objectives 4x,10x,40x and 100x, Spring Loaded, observation tuse inclined 45digree, inter pupillary distance adjustment between 50-70 mm. Plain achromatic lens, Illumination built in bases and focal mirror arrangement including Phase contrast attachments and accessories.	Each
167.	Phase Contrast Microscope with SVGA Monitor and photographic arrangement and digital colour camera.	<b>ISI</b> , Objectives 4x,10x,40x and 100x, Spring Loaded, observation tuse inclined 45digree, inter pupillary distance adjustment between 50-70 mm. Plain achromatic lens, Illumination built in bases and focal mirror arrangement including Phase contrast attachments and accessories.	Each
168.	Pipette	Borosilicate Glass 10ml	Each
169.	Pippet Stand	Non Corrosive	Each
170.	Plaster Cutting saw S.S. 4 cm wide	20 cm	Each
171.	Plastic Box	Made of Transparent PP Material, Boilable	Each

		30cm lengthx15cm width x 6cm height	
172.	Plastic Syringes	Boilable 5ml, 10 ml, 20 ml	Each
173.	Pleximter	HHANNOVER pattern, S-shaped, 16cm spatula-shaped, for horses.	Each
174.	Post Mortem Kit For Poultry	<b>POULTRY POST MORTEM KIT</b> Scissors Mayos SS, 20cm-2, Scissors Mayos SS, 15cm-2, long Forceps SS 20cm-2, Magnifying Glass, 6cm Dia-2, Bone Cutter SS, 20cm-1, B.P. Handle SS, No. 3 &4 Standard-2, B.P. Blade SS each-24.	Each
175.	Postmortem Set	<b>POST MORTEM SET</b>  Comprising Postmortem Saw (All metallic Saw 25cm S.S.), Postmortem Knife 30cm S.S., Set of Hooks-23, Compass S.S.-25cms, Chisel S.S. 15cms-2, Hammer S.S.- 25cms, Scalpel S.S.(05 cms, 10cms, 15cms, 20cms)-4, Scissors S.S. straight 15cms, 20cms, Scissors S.S. Curved 15cms, 20cms, Thumb Forceps 15cms, 20cms, in a Canvas Bag.	Each set
176.	Postmortem Tray	18"x10" Metalic	Each
177.	PPE kit for Direct handler Dangri:  Hand gloves  Shoe cover   Face Mask:  Disposable protective glasses –  <b>Note: Kit must be disinfected by Gamma Irradiation &amp; the irradiation certificate required.</b>	<b>Dangri:</b> 1 Disposable free size. Full sleeves, made up of non woven fabric (spun bonded, poly propylene material not less then 90 GSM) cuff with elastics zipper infront hood attached covering sides of face and neck  <b>Hand gloves: one pair</b>  Disposable, ISI mark, size 10 no.  <b>Shoe cover One Pair</b>  disposable, made up of polyester woven fabric with protective rubber coating preferably tetoron with thick padded foot base and can be used under field condition.  <b>Face Mask: 1</b>  with Hepa filter 3M-N95 standard  <b>Disposable 1 protective glasses–</b> Disposable with clear glasses, zero power eye fitting and elastic band holder.	Each
178.	Probang & Probang gag for cattle	70" flexible with stelate and with rounded end/wooden gag.	Each
179.	Reagent Bottle	1 Ltr. Borosilicate Glass	Each
180.	Reagent Bottle Stand	Plastic	Each
181.	Record Syringe Standard	2 ml, 5ml, 10m, 20ml, 50ml	Each
182.	Rotary Retraction Micro tome With Accessories and tissue floatation bath	Made of SS Designed for précised and accurate serial sectioning, with feed setting visible from front, locking device and counter balanced wheel. Feed adjustment from 1 to 50 microns in steps of 1 microns. Free up and down movement of object clamp. Automatic	Each

		restricted total excursion of 28mm by disengaging the feed mechanism to prevent jumping. Ball and flange object clamp with flexible orientation of object piece. Specimen upto 32x27mm on stem of block holders. Disposable blades. Latest cam system .With spares and accessories. Special Alloy Steel Knife.Knife. Knife Holder: 120mm on 180mm long knife.Size: 22mmLengthx22mm Widthx12mm DepthTissue Floatation Bath suited for preparing distortion less and wrinkle free tissue specimen .Round, double walled, single piece Inner and outer chambers made of aluminum. Inside and outer surface finished in power paint with wide enough rim for drying the wet slides. Temperature controller capillary type thermostat from ambient to 70 degree C. with accuracy of +.2 degree C. Complete with pilot light, cord and plug. Suitable to work on 220 V, single phase,50Hz AC supply.Chamber Size: 225mm diax70mm depth x40mm Rim.	
183.	Rubber Arm Sleeves With Latex Gloves	No. 8 & 9	Each Pair
184.	Rubber Gloves	Full arm sleeves	Each
185.	Rubber Tubing	1cm/0.5 cm	Each meter
186.	Sample Container Plastic	100 ml (Radiation Sterile)	Each
187.	Scissors Curved	15cm S.S.	Each
188.	Scissors Straight S.S.	12.5 cm, 15 cm, 17.5 cm	Each
189.	Semen Collecting Tube Glass, Graduated	10 ml Borosilicate	Each
190.	Setter Automatic & Computerized	13500 Eggs Capacity	Each
191.	Setter Automatic & Computerized	15000 Eggs Capacity	Each
192.	Setter Automatic & Computerized	27000 Eggs Capacity	Each
193.	Setter Automatic & Computerized	30000 Eggs Capacity	Each
194.	Shadow less Lamps	Mobile Shadlless lamp with six reflector, pure white like natural daly light, bright and real cool light, long life LED light for more than 50,000 hours, User selected intensity varied from 0-100%, User adjustable wide focus and angle range, Microprocessor control with digital display, sterilizable handle, intensity-100000 Lux.	Each
195.	Sheep balling gun	SS 31.5 cm	Each
196.	Slide Box	Polystyrene	Each
197.	Slide Staining Rack	Metallic, 60cm	Each
198.	Spatula PVC	20 cm	Each
199.	Sperm Processor/Sperm Warmer	Preferred temperature for thawing frozen semen: 37 °C Body of thawing unit:ABS Plastic Thawing Capacity: Hold 6 French straw. Display System : Set temperature display in	Each



		Green colour & on going temperature in Red colour. Battery backup: After full charging it can support for 5-6 hrs. Heating System:PT 100 Sensor with accuracy of $\pm 0.2^{\circ}\text{C}$ Dimension:235mm x 82mm x 270mm (H x W x L) Weight:3.6 Kg Thermo coal Packaging :315mm x 125mm x 300mm Three (3) ply card:340mm x 145mm x 320mmboard packaging Contains: Mechanical Part & Electrical Part	
200.	Sprit Lamp with Tripod Stand	S.S.	Each
201.	Stain Bottle/Reagent Bottle Borosilicate Glass	100ml Capacity	Each
202.	Staining Rack	Metallic 60 cm	Each
203.	Standard Feeder (P.S. Polymer)	75 Broiler/50 layer	Each
204.	Starter Feeder Polymer initiator	17.5 cmx48 cm	Each
205.	Stethoscope Flat Chest Piece	Dual Tube	Each
206.	Stomach Tube for Horse	Shape and dimension of stomach tube should be 6mm-16mmx3400mm; made of flexible plastic; optimum rigidity and good reaction to heat and cold; a round and opened end with lateral eyes, clear tubes with a funnel end; shall have good slide and easy to clean.	Each
207.	Straw Tweezers made of special grade plastic material to avoid heat loss	For Handling Straws of French Medium/ Mini and German Pattern	Each
208.	Surgical diathermy for Veterinary	Suitable for veterinary diathermy. Output frequency-monopolar generator 500 $\pm$ 25Khz. Input Voltage 220-240 volts AC 50Hz	Each
209.	Surgical Face Mask	Standard	Each
210.	Suture Thread	Silk/Nylon ,10 mt. Reel	Each reel
211.	Suturing Needle(Assorted Size)	Traumatic/Atraumatic/Curved/Straight	Each
212.	Swab Holder S.S.	45 cms	Each
213.	Tail Docking Machine SS	55 cm	Each
214.	Taylor Percussion Hammer	18cm SS with hard plastic head	Each
215.	Teat Instrument Set	<b>Set of</b> -Sharp point probe SS 14cm, McLean Lancet SS 17cm, Pappilotome SS 12/18cm, Hudson's teat Dilator- straight handle-1, T-handle-1, Hug tumor extractor SS 13cm, Milking tube SS 10 cm <b>-in a box</b>	Each set
216.	Test Tube (Without Rim/with Rim)	Borosilicate Glass 15x125 mm	Each
217.	Test Tube Stand	Poly carbonate	Each

218.	Thawing Flask with dial Thermometer	250 ml Cap.	Each
219.	Thermos S.S. Double Insulated	1 Ltr. Cap.,30cm length, 7.5cm mouth dia, with shoulder carrying strap	Each
220.	Tissue Forceps	8" and 10" SS	Each
221.	Tissue Paper Roll	10 cm Wide (rolled) 50/100 Mtr.	Each Roll
222.	Tooth Cutter For Large Animals	SS	Each
223.	Tooth rasp	Standard	Each
224.	Tray Transport Crate Polymer	Standard	Each
225.	Trocar Canula for Sheep	15 cm	Each
226.	Twine Ball	Cotton	50 gm
227.	Ultra Sound Scanner (Veterinary Use)*	<p><b>U.S.F.D.A./C.E. Certified- Certificate should be compulsorily enclosed.</b></p> <p><b>Suitable for Bovine, Equine, Ovine, Canine &amp; Feline animals</b></p> <p>Ultrasound Scanner must be multi frequency electronic digital type with following:</p> <p>a) Display mode: B, B/B, B/M, M</p> <p>b) Image display multiple: c1.0, x 1.2, x 1.5, x 2.0, shift 2mm each step.</p> <p>c) Focusing method: Variable aperture 1-4 focal Zone Electronic focusing.</p> <p>d) Cray Scale: 256</p> <p>e) Image adjustment:</p> <p>i. Gain: 0 to 90 (Digital)</p> <p>ii. Near Gain: 0 to -60 (Digital)</p> <p>iii. Far Gain: 0 to 60 (Digital)</p> <p>f) Keyboard, with trac ball as cursor.</p> <p>g) Double Probe Socket: Control by keyboard.</p> <p>h) Ege enhance: 4 steps.</p> <p>i) Cine loop: upto 64 frames, continual/single for B mode, upto 256 sec. For M mode, 4 speeds available.</p> <p>j) Character display:</p> <p>i. Patient's ID, including name, age &amp; so on.</p> <p>ii. Date, year, month, day, hour, minute, display auto.</p> <p>iii. Comment: input desired note.</p> <p>iv. Hospital name: 26 characters</p> <p>v. Auto display item: focus, 200m, gain, near gain &amp; Far gain.</p> <p>k) Measuring functions:</p> <p>i. Basic measurement: Distance, Circumference, Area, Volume, Angle,</p>	Each

		<p>Speed, time.</p> <p>ii. HR: in M mode, get the HR value by measure the time between two heart beat.</p> <p>iii. Gestation weeks: get the gestation weeks according to different measure methods.</p> <p>iv. Heart Function: M M mode to measure AO, MV, LV.</p> <p>v. Obstetric measurement: BPD, CRL, FL, AC, HC, G-S, VOL, ANG.</p> <p>l) Image processing: 7 correction 8 types. Frame correlation- 4 degree Image display- Left/Right, Up/Down, Positive/Negative</p> <p>m) Operation Condition: Power- 160 V to 260 V, 50 Hzt 1, 60 Hzt 1 H<sub>2</sub> Power consumption: 100 VA Ambient Temp. 0-40 °C</p> <p>n) Integrated trolley for easy portability.</p> <p>o) Probes: Linear- Variable frequency 5MHz to 8MHz micro convex probe-1 Linear- 7.5 MHz multi frequency colorectal 42 mm (angle/width)</p> <p>p) USB Port/Computer attachment for data retrieval.</p>	
228.	Urinary Catheters	Nielsen Urinary Catheter for cow- Length-44 cm, dia-5mm-SS	Each
229.	Vaccine Carrier WHO/UNICEF Specification	0.8 Ltr. capacity weight fully loaded 2.8 kg. weight empty 1.0 kg. polyethylene, internal lining material polypropylene, insulation material polyurathane insulation thickness 23/35 mm, external dimension 15x12x23 cm, internal dimension 10x13x17 cm, vaccine storage dimensions -10 x 6 x 16 cms. Lid type and fixings removable. No. of Ice packs required-2 and No. of Ice pack supplied-2 Ice pack typed E5/12.	Each
230.	Vacutainer	With vaccume, 10 ml	Pck of 100
231.	Vacutainer Adopter	Universal Pattern	Each
232.	Vacutainer Needle	Double Bewell 16N0./22N0.	Pack of 100
233.	Vaginal Dilator for bitch	Standard	Each
234.	Vaginal Speculum	Large, 35 cm S.S.	Each
235.	Veterinary Suction Pump	Power voltage AC220V±10% 50Hz Negative pressure ≥0.07Mpa(600mmHg) Suction rate ≥15L/min Negative pressure range 0.013-0.07 Mpa(600mmHg)	Each

		Suction bottle 1000ml Input power 150VA Pump structure Self-lubrication without oil Noise $\leq 50$ dB Working type Intermittent loading, continuous operation.	
236.	Volumetric Flask	Borosilicate 250 ml/500ml	Each
237.	Wash Basin S.S.	On stand 90cm Ht., Tank 5 Ltr. Cap.	Each
238.	Wash Bottle Plastic 500 ml Swan neck	Standard	Each
239.	Watch glass	5 cm/10 cm dia	Each
240.	Water bath Circulator	Acrylic body, Digital Display 390x120x160mm	Each
241.	Water Sprinkler	Standard	Each
242.	Weingart Rumenotomy Set	Weingart Frame-1, Vulsellum Forceps-2, Weingart Tenaculum-6	Each Set
243.	Whelping Forcep	8"/10"	Each
244.	Wintrobe ESR Assembly and Heamatocrit Tube	Steel Stand & Borosilicate Tube	Each
245.	Wire Saw	With Handles	Each set
246 A.	X-Ray Unit- Mobile 100mA & 500mA	<p><b><u>SPECIFICATIONS OF 100mA MOBILE X-RAY MACHINE- A.E.R.B./ISO certified (Certificate should be compulsorily enclosed)</u></b></p> <ul style="list-style-type: none"> <li>The machine should be 100Ma -100KVP full wave rectified x ray machine with counter balanced mobile stand.</li> <li>It should have full wave rectified x ray generator with stationary anode X Ray tube as per BIS Standards.</li> <li>The radiography rating should be in the range: 100Ma at 45 to 100KVP 50Ma at 45 to 100 KVP 25 Ma at 45 to 100 KVP The KVP Range should be 45 to 100KVP in steps of 5 KVP . The Solid state electronic timer should have timing range from 0.04 to 8 sec. in 24 steps</li> </ul> <p><b><u>CONTROL:</u></b></p> <ul style="list-style-type: none"> <li>Should have digital display of mAs, KVP and radiographic mA.</li> <li>Should have Independent voltmeter and voltage compensator fine and coarse to compensate voltage .</li> <li>Should have Tech. selector for selection of Radiographic mA, KVP selector from 45 to 100 and time selector switch for selection of radiographic time.</li> <li>Should have Ready and x-ray switches, bucky selector switch.</li> <li>Machine should have on/off with push to on/off type switches.</li> </ul> <p><b><u>TUBE HEAD :</u></b></p> <ul style="list-style-type: none"> <li>Tube head should be tiltable at 360 degree with full flexibility for use.</li> <li>Should be Stationery anode x-ray tube.</li> </ul> <p><b><u>STAND (CBM)</u></b></p> <ul style="list-style-type: none"> <li>Mobile stand should be on 4-wheel</li> </ul>	Each

		<p>design, for easy mobility and steering. Should have storage capability for cassettes etc.</p> <ul style="list-style-type: none"> <li>• Should have Counter balanced articulated tube carriage allowing smooth movements of the tube head in vertical and horizontal plane.</li> </ul> <p><b>TABLE:</b></p> <p>Should have motorized Bucky and grid .</p> <p><b>POWER REQUIREMENT:</b> Single phase 230 volts, AC, 50 Hz, maximum allowable line regulation ± 10% at line resistance of 0.4 ohms.</p> <p><b>OTHER REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>• The company should be ISO-9001: 2008, ISO-13485: 2003 company with CE Certified products.</li> <li>• The unit should be approved by BIS and AERB.</li> <li>• The company should have a local Service center.</li> <li>• The company should have proven track record in Govt. sector.</li> </ul>	
<p>246 B.</p>		<p><b><u>SPECIFICATIONS OF 500mA X-RAY MACHINE.</u></b></p> <p><b><u>A.E.R.B./ISO certified (Certificate should be compulsorily enclosed)</u></b></p> <p>500mA Full Wave Rectified X-Ray machine suitable for General Radiography.</p> <p><b><u>A. GENERATOR:</u></b></p> <ul style="list-style-type: none"> <li>- 500mA-125KVP, Full Wave Solid State Silicon Rectified X-Ray Generator for Radiography &amp; as per IS: 7620 Part-I should be provided.</li> <li>- Radiography KV range should be from 35 to 125 KVP or more.</li> <li>- Radiography mA Stations: , 100s, 200s, 300L, 400L, 500L</li> <li>- Solid State Electronic Radiographic Timer should have timing range from 0.01 to 5 Sec. (in 24 steps).</li> </ul> <p><b><u>B. CONTROL:</u></b></p> <p>Control panel should have following features:</p> <ul style="list-style-type: none"> <li>- Push to On &amp; OFF Switches</li> <li>- Digital Display of active KVP &amp; mAs.</li> <li>- Voltmeter &amp; mA meter</li> <li>- Voltage Compensator, Major &amp; Minor KV selector</li> <li>- In built Ready &amp; X-Ray Switch on Control</li> <li>- Quick trip-overload circuit breaker (Automatic safety system to block unwanted exposure factors beyond Tube Rating)</li> <li>- Tube overload indicator should be provided.</li> <li>- Electronic overload for protection of tube H.V. Cables &amp; H.T. Tank.</li> </ul> <p><b><u>C. HV TRANSFORMER:</u></b></p> <p>Compact Heavy Duty Transformer comprising HV Silicon Rectifiers, HT Transformer, Filament Transformer, Federal Bushings all immersed in oil should be provided.</p> <p><b><u>D. X-RAY TUBE:</u></b></p> <ul style="list-style-type: none"> <li>- 1 Nos. Dual focus Rotating Anode X-Ray Tube having focal spots should be provided. <ul style="list-style-type: none"> <li>• Small focus: 1 mm</li> <li>• Large focus: 2 mm</li> </ul> </li> </ul> <p>- <b>HV cable: One Pair of High Voltage Cables</b></p> <p><b><u>E. STAND:</u></b></p>	

		<p>Floor to Ceiling Stand with Counter Balanced Tube Head (Rotatable ± 180 Degree), 360 Degree Rotatable; mounted on Floor Ceiling Rails for convenient movements should be provided.</p> <p><b>F. TABLE:</b></p> <ul style="list-style-type: none"> <li>- Table should be Multi position, Hand Tilt, 5 Position Table; 15 Degree trendelenburg to vertical, Motorized Bucky consisting of 8:1, 85 lines/inch Grid Size 17 1/4" X 18 7/8"; Stainless Steel Cassette Tray; Compression Band and Foot Rest.</li> </ul> <p><b>G. ACCESSORIES:</b></p> <p>Following accessories should be provided as standard:</p> <ul style="list-style-type: none"> <li>• Hand Switch with retractable cord.</li> <li>• Aluminum filter.</li> </ul> <p><b>H. POWER REQUIREMENT:</b></p> <p>Unit should operates on 400-440V AC, 50 Hz, Three Phase – Max. Allowable line Regulation ± 10%.</p> <p><b>OTHER REQUIREMENTS:</b></p> <ul style="list-style-type: none"> <li>• The company should be ISO-9001: 2008, ISO-13485: 2003 company with CE Certified products.</li> <li>• The unit should be approved by BIS and AERB.</li> <li>• The company should have a local Service center.</li> <li>• The company should have proven track record in Govt. sector.</li> </ul>	
246 C	<p>Computed Radiography System for x-ray unit (KODAK, KONICA, FUZI, AGFA)</p>	<p>Specification for Computed Radiography- <b>Computed Radiography</b></p> <ul style="list-style-type: none"> <li>• System should be capable of scanning a minimum of 59 plates/hour.</li> <li>• Should be capable of processing at least 3 sizes of cassettes.</li> <li>• System must be approved by FDA for General Radiology application.</li> <li>• System must be CE marked.</li> <li>• System must be desktop/floor stand solution.</li> <li>• System must be single slot scanner.</li> <li>• Imaging plates must be flexible type.</li> <li>• System must offer the capability to read plates 35x35 and 35x43 cm with pixel pitch less than 90 microns in high resolution and at low resolution less than 175 microns.</li> <li>• Gray scale resolution for image acquisition before processing must be 16 bit.</li> <li>• Gray scale resolution for post processed images must be at least 12 bit.</li> <li>• Cassettes to be supplied, 14x17-2 nos. 10x12-1no., 08x10-1 no.</li> </ul> <p><b>Workstation &amp; Software-</b></p> <ul style="list-style-type: none"> <li>• Monitor should be LED screen with 1TB hard disc and 4 GB RAM.</li> <li>• System console must be capable to support dual monitor configuration.</li> <li>• Image processing algorithms should be based on multi frequency processing type.</li> <li>• Software should automatically mask the area outside the collimation.</li> <li>• Software should reduce the noise interference in low exposure imaging.</li> <li>• Software should be capable of manual adjustments of the masked area should be possible.</li> <li>• System must be capable to connect to PACS through Dicom Store.</li> <li>• System must be capable to print to dry laser printers through Dicom Print.</li> <li>• System must be able to acquire worklist from existing HIS/RIS.</li> </ul>	Each set

		<ul style="list-style-type: none"> <li>• System must be capable of burning patient images on CD/DVD.</li> <li>• System must be able to remove grid lines.</li> <li>• System must be capable of running a QA/QC test to verify performance.</li> <li>• System should be capable of doing free angular rotation of images.</li> <li>• System must be fully compliant with storage commitment requirements.</li> <li>• Manual stitching capability must be available.</li> <li>• System must be capable to export images to media such as USB, CD ROM etc.</li> <li>• System must be capable of importing images into the database from various media type such as USB Sticks, CD ROM etc.</li> <li>• System must allow to create annotations on images.</li> <li>• System must make available advanced measurement tools such as lengths, angles.</li> <li>• System should have optional feature of reports can be created either from the main workstation or from any web client remotely connected.</li> <li>• System should have optional feature of acquire images from modalities as CT, MR, US etc. , review them and store them.</li> <li>• Minimum number of concurrent web clients supported should be 4 and maximum of 8 or more.</li> <li>• System should offer the capability to crop images, zoom and print.</li> <li>• System should have optional facility to view images on an iPad.</li> <li>• System should allow to add patient picture to demographic screen.</li> </ul> <p><b>Printer-</b></p> <ul style="list-style-type: none"> <li>• Printer must be laser technology.</li> <li>• Printer should have single or double online supply trays or draws.</li> <li>• Each tray or draw of the printer must be able to print all the following international standard films sizes 8x10, 10x12, 11x14 and 14x17 without mechanical alteration.</li> <li>• Printing resolution must be 320 dpi/ppi or more, standard for all type of DICOM image printing.</li> <li>• Printer must use day light film box loading technology.</li> </ul> <p><b>Accessories (Turnkey)</b></p> <ul style="list-style-type: none"> <li>• Suitable UPS with minimum 15 minutes backup.</li> </ul>	
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\*Including installation, commissioning, demonstration and manufacturer's standard warranty plus 2 years AMC free of cost including hardware change and software up-gradation (for item no. 227 & 246[A, B & C] above).

**Director,**  
Animal Husbandry, U.P.,  
Lucknow.