

The Islamia University of Bahawalpur

SHORT TENDER NOTICE

Sealed Tenders are invited from the Firms, Authorized Distributors/Dealers/Supplier having established credentials in terms of Technical, Financial and Managerial capabilities for the supply of **Scientific Equipment, Surgical Instruments & Accessories, Glassware & Consumables, Medicines,/Semen and Chemicals** for University College of Veterinary & Animals Sciences of Islamia University of Bahawalpur as per details given below, on FOR & C&F basis.

Tender- No.	Category	Estimated Cost
A	Scientific Equipment: (Qty. & Specifications as available in Tender Documents)	Rs.80,05,400/-
B	Surgical Instruments & Accessories: (Qty. & Specifications as available in Tender Documents)	Rs.87,994/-
C	Glassware & Consumables: (Qty. & Specifications as available in Tender Documents)	Rs.2,74,018/-
D	Medicines,/Semen: (Qty. & Specifications as available in Tender Documents)	Rs.2,03,331/-
E	Chemicals : (Qty. & Specifications as available in Tender Documents)	Rs.11,79,424/-

- Interested bidders may get the Tender Documents containing detailed specifications, terms and conditions from the Purchase Section, Treasurer's Office Abbasia Campus (Old), the Islamia University of Bahawalpur during office hours 8:00 A.M. to 4:00 P.M. on submission of written application on letter head and a copy of CNIC along with payment of (non refundable fee) of Rs.1000/- (each tender) through Bank challan HBL in A/C 14730000010403 or pay order in the name of the Treasurer Islamia University of Bahawalpur for bidding document OR can be down loaded from the IUB Website www.iub.edu.pk or PPRA website www.ppra.punjab.gov.pk
- 05% bid security of total value (Refundable) in shape of pay order shall be attached with the bid, otherwise bid will be rejected.
- The rates may be quoted on FOR & C&F basis.
- Single Stage – Two Envelopes bidding procedure will be adopted as per PPRA Rules 38- 2(a). The Envelopes shall be marked as “**TECHNICAL PROPOSAL**” AND “**FINANCIAL PROPOSAL**” in legible letters. Financial Proposal of bids found technically non-responsive shall be returned un-opened same day at 12:00 Noon in the presence of the bidders or their authorized representatives by the Purchase Committee.
- Procurement shall be governed under the Punjab Procurement Rules.
- The rates should be quoted inclusive all taxes. Copy of paid bank challan Professional tax also be provided.
- The Islamia University of Bahawalpur however, reserves the rights to reject all bids at any time prior to acceptance of a bid as per clause 35 of the Punjab Procurement Rules and grounds of rejection will be conveyed to the bidders upon their request.
- Tender should be reached in the Office of the Chairman (SMPC), Department of Chemistry, The Islamia University of Bahawalpur upto **26th May, 2016 by 11:00 A.M.** Tenders will be opened on the same day at **11:30 AM** in the presence of bidders or their representatives.
- All bids submitted after the given time shall not be accepted.
- Taxes will be applicable as per Govt. Rules & Regulations.
- The rates should be valid for 40-days from the date of opening the tender.
- In case of closed/forced holidays, tender opening time/date will be considered as the next working day.



Chairman SMPC
The Islamia University of Bahawalpur
Baghdad-ul-Jadeed Campus, Bahawalpur.
Phone: 062-9255473

Tender-A/2016- Scientific Equipment:

Item	Specifications	Qty.	Rate (if applicable)
Automatic commercial electric meat-bone saw	Imported	1	
Blades & Corncrackers	A set of 12 blades & 12 corncrackers	1	
Creep feeder	Iron made; Width: 3 ft; Length:4 ft; Height: 3 ft	1	
Crude fiber estimation	Integral extraction and filtration. No sample transfer reduces the risk of sample loss, since the tubes,crucibles and filter are transferred with the samples in place.Excellent results due to reproducible operating conditions.Easy sample handling due to the special crucible support stand. Versatile and precise test procedure that allows the samples to be weighed at various stages in the extraction process. Rugged external case with a "RILSAN" protective coating. All equipment components; condenser, valves, heater, compressed air valves and controls are all protected within the main case. Infrared heating elements Sample size: 0.5 to 3 g (Normally 1 g). Reproducibility: approximately $\pm 1\%$ for fibre. level between 5-30 %. Measuring range: 0.1 to 100 %. Cooling water consumption: 1 litre/minute complete with crucibles, hotplate and accessories. Western EEC, USA, Japan	1	
Dissection tables	Stainless steel with drainage bucket and recessed top Length: 5 feet; Width 2.25 feet; Height: 3 feet	1	
Egg Candler	Superflash Candling Lamp Torch	1	
Eye Piece Double Demonstration	Two eye pieces, detachable pointer, arm length 17 cm	1	
Feed Mill Plant	Capacity: 250 kg Wanda feed mixture: (30 inch dia - 48 inch length) made up of iron (250 kg feed mix). With Frame and molassesTankey 30 kg capacity made up of iron. With onemotor 10hp, 1400 revolution old Valatie.Motor machine pulley (degi iron, baring bracket) and Belt (B size) two in no. Grinder: Size 6 inch- 12 inch with frame and one motor 10hp, 1400 revolution old Valatie, Motor machine pulley (degi iron, baring bracket) and Belt (B size) quantity two , one switchwith bag sealing machine and weighing balance (100 kg measuring capacity)	1 each	
Film Dryer Folding Stand	Pakistan Made	1	
Gradient Thermal Cycler	96 x 0.2ml, 12 x 0.2mlPCR 8 strips or 96 well PCR plate, Heating Temperature Range: 4 - 99°C, Lid Temperature Range: 50 – 110°C, Temperature Display Accuracy: 0.1°C, Temperature Accuracy @55C: $\pm 0.3^\circ\text{C}$, Temperature Uniformity @55C: $< 0.3^\circ\text{C}$, Max. Heating/Cooling Rate: 3°C /sec, Gradient Temperature Range: 30-99°C, Gradient Range: 1-42°C, Display LCD, Touch Operation, power-off Protection,	1	
Handling and restraining tools (set)	Leg twitch wooden made with rope loop; Ear twitch wooden made with rope loop	1	
Hematology Analyzer	26 parameters, with patented optical 5-part WBC differential measurement by laser scatter > WBC, LYM, MON, NEU, BAS, EOS (LYM%, MON%, NEU%, BAS%, EOS%) > RBC, MCV, MCH, MCHC HGB, HCT, RDWc, PLT, MPV, PDWc, PCT, RDWsd, PDWsd, P-LCC, P-LCR > Flag for immature granulocytes and large blasts > Impedance method for standard parameters > 60 samples/hour > Closed and open tube sampling > Auto-sampler with mixer and barcode reader (option) > 110 μl sample volume 25 μl sample volume with small sample module > Multi lingual user interface > 600 x 800 colour LCD touch screen > External Windows@ compatible printer via USB > Memory for 100 000 results incl. histograms.	1	
Horse Shoes, Shoeingand forging tools	1. Shoeing tools: Shoeing hammer, Hoof buffer, Quarter rasp, Drawing knife, Pincer, Hoof cutter, Toeing knife, Searching Knife, Heel cutter 2. Forging tools: Anvil, Turning hammer, Pritchel, Rough stamp, Nail hole stamp, Clipping stamp, Fullering stamp, Chisel, Sledge, Poker, Sledge, Vice, Vice table, Slice 3. Different types of shoes: Dressing box shoe, broad web seated out shoe, broad web seated out bar shoe, shield shoe, plane stamped thick heel shoe, anti-speedy cutting shoe, tip shoe, concave shoe, corn shoe, frost coge shoe, three quarter bar shoe, three quarter shoe, single fullered shoe, double fullered shoe, mule shoe, prong shoe, rocker bar shoe, plane stamp shoe, sand crack bar shoe, square toed shoe, anti-brushing shoe, high heeled shoe	1 each	

Incubator	Temperature range: ambient temperature plus 5 °C to 100 °C, Natural convection, Controller with LCD display, Electromechanical control of the exhaust air flap, Inner door made of tempered safety glass, 2 chrome-plated racks, Stackable, Class 3.1 integrated independent temperature safety device (DIN 12880) with visual alarm, USB port for recording data, Timer: 0 – 99.59 hours, Temperature uniformity at 37 °C: 0.4, Temperature fluctuation at 37 °C: 0.1, Capacity: 110L or above	1	
Large animal Surgery Kit	Catheter for mare, Catheter for cow, Catheter for horse and Catheter for bull, Tail docker for bovine, Emasculator for equines, Tooth extractor, Tracheotome for bovine, Laryngoscope for equine	1 each	
Loading chute	Iron made; Width: 4ft; Length: 8 ft; 14 wooden planks with 2 inch diameter for ramp; 6 supporting legs. Grill height = 2 ft Length: 8 ft; Front support legs height: 5 ft; Rear support legs height: 0.75 ft	1	
Parasitology Slides Set	<i>Entamoeba histolytica</i> , section through diseased colon showing the parasites in situ; <i>Giardia lamblia</i> intestinalis, smear with cysts; <i>Trichomonas vaginalis</i> , smear; <i>Trypanosoma gambiense</i> , a blood flagellate, blood smear; <i>Trypanosoma rhodesiense</i> , , blood smear with parasites; <i>Trypanosoma evansi</i> , blood smear; <i>Trypanosoma brucei</i> , blood smear; <i>Trypanosoma congolense</i> , blood smear; <i>Trypanosoma equiperdum</i> , blood smear; <i>Trypanosoma cruzi</i> (Schizotrypanum), blood smear showing trypanosomes; <i>Trypanosoma cruzi</i> , section through infected heart muscle shows Leishmania forms in tissue; <i>Leishmania donovani</i> , smear from culture showing Leishman and leptomonad forms; <i>Leishmania donovani</i> , promastigotes, smear from culture; <i>Leishmania donovani</i> , amastigotes, smear from tissue; <i>Plasmodium falciparum</i> , malignant tertian malaria of man, blood smear with typical ring stages; <i>Plasmodium falciparum</i> , thick diagnostic smear; <i>Plasmodium vivax</i> , thick diagnostic blood smear; <i>Plasmodium</i> sp., exoerythrocytic stages in sec. of liver; <i>Plasmodium gallinaceum</i> (Proteosoma), fowl malaria, blood smear; <i>Plasmodium cathemerium</i> , avian malaria, blood smear; <i>Leukocytozoon</i> , smear from fowl blood with parasites; <i>Haemoproteus columbae</i> , pigeon malaria, blood smear; <i>Babesia canis</i> , blood smear shows heavy infection; <i>Toxoplasma gondii</i> , causing toxoplasmosis, tissue smear with parasites; <i>Eimeria tenella</i> , section of diseased chicken intestine; <i>Sarcocystis tenella</i> , section of muscle showing the parasites in Miescher's tubes; <i>Balantidium coli</i> , smear with cysts; <i>Dicrocoelium dendriticum</i> (D. lanceolatum), sheep liver fluke, entire mount and stained for internal structures; <i>Fasciola hepatica</i> (Distomum hepaticum), beef liver fluke, selected specimen flat mount and carefully stained; <i>Fasciola hepatica</i> , t.s. through two different body regions; <i>Fasciola hepatica</i> , ova w.m.; <i>Fasciola hepatica</i> , miracidia (free living larvae) w.m.; <i>Fasciola hepatica</i> , redia w.m.; <i>Fasciola hepatica</i> , cercaria w.m.; <i>Fasciola hepatica</i> , metacercaria w.m.; <i>Fasciola hepatica</i> , horizontal l.s. through entire specimen specially fixed and stained to show the excretory system; <i>Fasciolopsis buski</i> , large intestinal fluke, flat mount; <i>Fasciolopsis buski</i> , ova w.m.; <i>Schistosoma mansoni</i> , causing bilharziosis, adult male w.m.; <i>Schistosoma mansoni</i> , adult female w.m.; <i>Schistosoma mansoni</i> , adult male and female in copula, w.m. and carefully stained for general study; <i>Schistosoma mansoni</i> , cercaria with bifurcate tail w.m.; <i>Schistosoma mansoni</i> , ova in section of liver or intestine; <i>Schistosoma mansoni</i> , ova in faeces w.m.; <i>Schistosoma haematobium</i> , ova from urine sediment w.m.; <i>Schistosoma japonicum</i> , ova in faeces w.m.; <i>Schistosoma japonicum</i> , adult male w.m.; <i>Schistosoma japonicum</i> , adult female w.m.; <i>Clonorchis sinensis</i> , Chinese liver fluke, w.m. of adult; <i>Opisthorchis felineus</i> , cat liver fluke, w.m. of adult; <i>Heterophyes heterophyes</i> , fluke parasite in human intestine, w.m. of adult specimen; <i>Echinostoma revolutum</i> , occurring in mammals, adult w.m.; <i>Echinostoma revolutum</i> , ova w.m.; <i>Paragonimus</i> , lung fluke, ova w.m.; <i>Metagonimus</i> , w.m., a small intestinal fluke which infests man and animals; <i>Prosthogonimus macrorchis</i> , eggs, w.m.; <i>Eurytrema pancreaticum</i> w.m., parasite of cattle and pig; <i>Taenia pisiformis</i> (T. serrata), tapeworm of dogs, immature proglottids w.m.; <i>Taenia pisiformis</i> , mature proglottids w.m.; <i>Taenia pisiformis</i> , gravid proglottids w.m.; <i>Taenia pisiformis</i> , t.s. through proglottids; <i>Taenia pisiformis</i> , scolex w.m.; <i>Taenia pisiformis</i> , ova from faeces w.m.; <i>Taenia saginata</i> , tapeworm, proglottids w.m.; <i>Taenia saginata</i> , t.s. of proglottids in different stages, the standard slide for general study; <i>Taenia saginata</i> , ova in faeces w.m.; <i>Cysticercus bovis</i> , bladderworm of <i>Taenia saginata</i> , sec. through beef muscle with parasites in situ; <i>Cysticercus bovis</i> , w.m. of bladderworm; <i>Taenia solium</i> , human tapeworm, proglottids t.s.; <i>Taenia solium</i> , scolex w.m.; <i>Taenia solium</i> , ova in faeces w.m.; <i>Dipylidium caninum</i> , gravid proglottids w.m.; <i>Dipylidium caninum</i> , w.m. of scolex with immature proglottids; <i>Dipylidium caninum</i> , egg balls with 5 to 20 ova, w.m.; <i>Moniezia expansa</i> , tapeworm of sheep, proglottids w.m.; <i>Hymenolepis nana</i> , dwarf tapeworm of rats and mice, proglottids w.m.; <i>Hymenolepis nana</i> , ova from faeces w.m.; <i>Hymenolepis diminuta</i> , w.m. of mature and gravid proglottids; <i>Hymenolepis diminuta</i> , ova w.m.; <i>Hymenolepis diminuta</i> , cysticercoid. W.m., larval stage; <i>Echinococcus granulosus</i> , tapeworm of dogs, w.m. of complete tapeworm with scolex and proglottids. Selected and carefully stained specimens; <i>Echinococcus granulosus</i> , scolices from cyst, w.m.; <i>Echinococcus granulosus</i> , cyst wall and scolices t.s.; <i>Echinococcus granulosus</i> , sterile cyst t.s.;	1	

	<p><i>Echinococcus granulosus</i>, ova in faeces of dog w.m.; <i>Echinococcus multilocularis</i>, cyst with scolices t.s.; <i>Diphyllobothrium latum</i>, mature proglottids w.m.; <i>Diphyllobothrium latum</i>, t.s. of mature proglottids; <i>Diphyllobothrium latum</i>, ova w.m.; <i>Taenia multiceps</i> (Multiceps serialis), dog tapeworm, sec. of bladderworm stage (Coenurus cerebralis) showing several scolices; <i>Ascaris lumbricoides</i>, roundworm of man, t.s. of adult female in region of gonads; <i>Ascaris lumbricoides</i>, t.s. of adult male in region of gonads; <i>Ascaris lumbricoides</i>, ova in faeces w.m.; <i>Ascaris lumbricoides</i>, larvae in sec. of pig lung; <i>Toxocara roundworm</i> of dogs, ova in faeces w.m.; <i>Enterobius vermicularis</i> (Oxyuris), pin worm, w.m. of an adult specimen; <i>Enterobius vermicularis</i>, ova from faeces w.m.; <i>Strongyloides</i>, intestinal parasite worm, w.m.; <i>Strongyloides</i>, filariform larvae w.m. (infective larvae); <i>Strongylus</i> sp., lung worm, infected lung, sec.; <i>Strongylus</i> sp., isolated larvae from faeces; <i>Ancylostoma caninum</i>, dog hookworm, adult male w.m.; <i>Ancylostoma caninum</i>, adult female w.m.; <i>Ancylostoma caninum</i>, ova w.m.; <i>Ancylostoma caninum</i>, filariform larvae w.m.; <i>Ancylostoma duodenale</i>, hookworm of man, adult male w.m.; <i>Ancylostoma duodenale</i>, rhabditiform larvae w.m.; <i>Necator americanus</i>, adult male w.m.; <i>Necator americanus</i>, eggs w.m.; <i>Heterakis spumosa</i>, intestinal parasite of rat, w.m. of male or female; <i>Trichinella spiralis</i>, section of infected muscle with encysted larvae; <i>Trichinella spiralis</i>, w.m. of muscle piece with encysted larvae; <i>Trichinella spiralis</i>, adult female from intestine, w.m.; <i>Trichinella spiralis</i>, adults in section of infected intestine; <i>Trichuris trichiura</i>, whip worm, w.m. of adult male or female; <i>Trichuris trichiura</i>, ova in faeces w.m.; <i>Trichostrongylus</i>, intestinal parasite, w.m. of adult male or female; <i>Oesophagostomum radiatum</i>, roundworm of cattle, w.m. of adult specimen; <i>Haemonchus contortus</i>, stomach worm of cattle, w.m. of adult specimen; <i>Dirofilaria immitis</i>, heartworm, smear of blood of dog with parasitic larvae; <i>Onchocerca volvulus</i>, w.m. of microfilaria from smear of tumor; <i>Amblyomma americanum</i>, lone star tick, w.m.; <i>Argas persicus</i>, fowl tick, w.m. of adult specimen; <i>Argas</i>, six-legged larva w.m.; <i>Boophilus annulatus</i>, cattle tick, the vector of Texas fever, w.m.; <i>Dermacentor andersoni</i>, Rocky Mountain wood tick, the vector of spotted fever, w.m.; <i>Ixodes</i> sp., tick, w.m. of adult specimen; <i>Ixodes</i> sp., larva w.m.; <i>Ornithodoros</i>, tick, carrier of relapsing fever, w.m. adult; <i>Rhipicephalus sanguineus</i>, brown dog tick, w.m.; <i>Demodex folliculorum</i>, section through the skin with the parasites in situ; <i>Dermanyssus gallinae</i>, chicken mite, w.m.; <i>Sarcoptes scabiei</i> (Acarus siro), in section of diseased skin; <i>Sarcoptes scabiei</i>, w.m. of adult specimen; <i>Musca domestica</i>, house fly, head and mouth parts with sucking tube, w.m.; <i>Stomoxys calcitrans</i>, stable fly, piercing sucking mouth parts; <i>Anopheles</i>, malaria mosquito, head and mouth parts of male w.m.; <i>Anopheles</i>, head and mouth parts of female w.m.; <i>Culex pipiens</i>, mosquito, head and mouth parts of male w.m.; <i>Culex pipiens</i>, head and mouth parts of female w.m.; <i>Simulium</i>, head of larva w.m. shows filtering mouth parts; <i>Culex pipiens</i>, mosquito, mouth parts of female t.s. with mandibles, labrum, maxillae, labium, hypopharynx; <i>Hemiptera</i> sp., bug, mouth parts t.s.; <i>Brachycera</i> sp., fly, antenna as speed indicator w.m.; <i>Musca domestica</i>, house fly, antenna w.m.; Insect antenna types, composite slide of five kinds of antennae for comparison w.m.; <i>Culex pipiens</i>, common mosquito, wing w.m.; <i>Anopheles</i>, malaria mosquito, wing w.m.; <i>Cimex lectularius</i>, bed bug, adult w.m.; Phthiraptera, lice from rat, different species w.m.; <i>Menopon gallinae</i>, bird parasite, w.m.; <i>Lipeurus variabilis</i>, wing feather louse, w.m.; <i>Trichodectes canis</i>, dog louse, w.m.; <i>Bovicola</i>, cattle louse, w.m.; <i>Pediculus humanus capitis</i>, human head louse, adult w.m.; <i>Pediculus humanus capitis</i>, ova w.m.; Louse eggs attached to the hair, w.m.; <i>Haematopinus suis</i>, pig louse, adult w.m.; <i>Ctenocephalus canis</i>, dog flea, adult male w.m.; <i>Ctenocephalus canis</i>, adult female w.m.; <i>Pulex irritans</i>, human flea, adult male w.m.; <i>Pulex irritans</i>, adult female w.m.; <i>Xenopsylla cheopis</i>, rat flea, the carrier of bubonic plague, adult male w.m.; <i>Xenopsylla cheopis</i>, adult female w.m.; <i>Culex pipiens</i>, common mosquito, adult male w.m.; <i>Culex pipiens</i>, adult female w.m.; <i>Anopheles</i>, malaria mosquito, adult male w.m.; <i>Anopheles</i>, adult female w.m.; <i>Anopheles</i>, pupa w.m.; <i>Anopheles</i>, larva w.m.; <i>Anopheles</i>, ova w.m.; <i>Anopheles</i> and <i>Culex pipiens</i>, both the larvae on same slide for comparison, w.m.; <i>Ceratophyllus gallinulae</i>, chicken flea, w.m. of adult; <i>Aedes</i>, mosquito, adult male w.m.; <i>Aedes</i>, adult female w.m.; <i>Phlebotomus</i>, carrier of <i>Leishmaniosis</i>, male mosquito w.m.; <i>Phlebotomus</i>, female mosquito w.m.; <i>Gasterophilus intestinalis</i>, horse bot fly, eggs attached to hair</p>		
Model for Livestock farm	Width = 2 Ft; Length = 4 ft; Height = 1.25 ft	1	

Orthopedic Surgery Kit	Jacob's Chuck: 260 mmlong with 1/4" (6mm) capacity. Bone clamp: 7½ Inches Depth gauge Digital: 1000mm/40" x0.01 Stainless Steel Multi-functional LCD Digital Depth Gauges with Hook Depth gauge: 100 mm Screw driver: Hexagonal 2.5mm Plate bender pliers: for 2.0mm & 2.7mm plates with 200mm Length Wire cutter: 9 inches long Pin cutter: 225 mm long Hammer: 9½ inches long (470 grams) Wire passer: 6 inches long Wire passer: 9 inches Wire twister : 12 inches Chisel: Stainless Steel; 19mm long Pliers: Stainless Steel 170mm long Screw cutter: 6 inches long Bone ronger: 9 ¾ inches long Bone cutter: 225 mm long Bone curette: 6 inches long Biopsy needle: 14 G, 16 G, 18 G, 22 G Drill machine electric: 0-10 mm, 220-240 V	1 each	
Phase Contrast Microscope	LED illumination, Quintuple reverse angle nosepiece. Sturdy base, 300 x 270 mm. With low position, coaxial coarse and calibrated fine focus control. Graduation reading 2 µm per division. Total focusing range 20 mm. Condenser and light intensity adjustable. Collector system with field iris for Koehler illumination Dust over, immersion oil and instruction manual. Rackless mechanical stage 150x133mm, travelling range 76mm (X) x 30mm (Y). Compensation binocular head "Arctype" for INFINITY optics, 30° inclined, 360° rotatable. Inter pupillary distance 48 – 75 mm. Diopter Adjustment. With Anti-Fungus treatment. Abbé Multi System Condenser with aperture iris, n.A. 1.25 and scale for each objective, slot in condenser for PC and DF attachments. Slider for Bright field, Dark field and Phase contrast for PH 10x and PH 40x objective. IR Filter BP680. Holder to fix Video Attachments 0.45x, 0.52x and 0,55x to use it without spin, innerØ 28mm, outerØ 35mm, height 30mm. Leica, Olympus, Nikon, Micros, Zeiss	1	
Portable foot bath	Iron made; Width: 3 ft; Length: 6.5 ft; Height: 0.5 ft	1	
Rope	for tightening of the silage bale	20 kg	
Saddle for horse	Leather made	1	
Scientific Deep freezer	Capacity: 500-600 liters	1	
Silage Bailer & wrapper	SILAGE BAILER: Baling capacity: 25-30- bales/hr; Bale size: 520 mm dia. 520 mm long; Bale weight: 50-55 Kg; Powder requirement: 50hp or above; Electric motor: 7.5 hp, 900 rpm, 3-phase. 440 V with overload switch Dimensions: Length: 2550 mm; Width: 1450 mm; Height: 1050 mm; Weight: 550 Kg Wrapper: Weight of bale: 50-55 Kg; Field capacity: 25-30 bales/hr; Power requirement: 1.5 hp electric motor 3-phase 1400 rpm with over load switch Dimensions: Length: 500 mm; Width: 950 mm; Height: 700 mm; Weight: 140 kg (approx.); Roller frame base: 550x150 mm M.S. formed sheet 4 mm thick	1	
Single row maize chopper	Throwing Pallet Number: 6 (pcs) Chopping Size: 5 mm - 15 mm Working Capacity: 15 ... 20 Ton/Hour Required Power: 40 HP Flywheel Knife Number: 12 (pcs) Options of Tire: 16x6,50-8 (170/60-8) PTO Rpm: 540 (rpm) Working Width: 50 cm Single Row	1	
Standard Orthopedic Kit	Babcock Stainless Steel Suture Wire (Gauge # 20) Babcock Stainless Steel Suture Wire (Gauge # 30) Wire Cutting Scissors One Serrated Blade, 4-3/4 Senn Retractor Sharp Double Ended, 6-3/8 Senn Retractor Blunt Double Ended, 6-3/8 Weitlaner Retractor, Sharp 3 X 4 Teeth, 5-1/2 Freer Elevator 7# Sprat Curett Size 1/0, 6-3/4 Lucae Mallet Solid Stainless, 7-3/4 Fomon Rasp Double Ended, Coarse, 8-1/4 Wire Twister Tungsten Carbide, 6# Gigli-Strully Saw Handle Standard Patrn, T-Shaped Gigli Saw Standard Twisted Wire, 12# Kern Bone Holding Forceps with Ratchet, 9-1/2 Kern Bone Holding Forceps with Ratchet, 6-3/4 Cannulated Pin and Wire Cuttr 7-1/2 Liston Bone Cutting Forceps Straight, 5-1/2 Swiss Pattern Osteotome 4 mm Wide Storage Cassett	1 each	

Stereo Microscope with camera for insects photography	360° rotating and 45° inclines, EWF10x/23 mm eyepieces, Available using eyepiece holder tubes Focus adjustment by means of a pair of knobs located on each side of the stand. 0.7x...4.5x parafocal achromatic zoom objectives (6.428:1 zoom factor), Working distance 100mm Adjustable between 51 and 75 mm, A specimen table fitted with a black/white disc, frosted glass disc for transmitted light and specimen clamps, Adjustable illuminator for incident light fitted with a 12V/15W halogen bulb with dichroic mirror. Illuminator for transmitted light fitted with a 12V/15W halogen bulb. With light intensity adjustment, software and sensitive enough also f.e. for some brighter fluorescent specimens. With analysis measurement software. Camera: DSLR camera; Sensor type: APS-C CMOS sensor; Dual Pixel CMOS Autofocus system; Sensor resolution: 20.2 Mp; Flash: Built-in and external; Maximum resolution (stills): 5472x3648 pixels; Type of Image stabilizer: Lens based only; LCD screen; built in Lens: 100mm f/2.8LIS USMMacro; image magnification size (of lens) 1x; macro photography lamp; bag; smart tripod stand; Extra lens: 18-55mm; memory card 16 gb	1	
Wool diameter measuring guage	The respond speed < 0.5 m/s Digital indicator: 0.01 mm/0.0005 Digital micro indicator: 0.001/0.00005 Measuring range digital indiator: 0 12.7mm/0.5 Digital micro indicator:0-5mm/0-0.2mm	1	
Wrapping Film	Film for wrapping of the silage bale	10 kg	
X-Ray Illuminator	28" × 18"; Pakistan Made	1	

Terms & Conditions:

- Prices should be FOR and C&F delivery to the University College of Veterinary & Animals Sciences of The Islamia University of Bahawalpur. If the items supplied are not according to the required specification / make, it will have to be replaced by the firm on its own cost.
- Letter of credit (L/C) will be opened by the bidder on the behalf of the Islamia University of Bahawalpur. The Islamia University of Bahawalpur will provide the exemption letter to the selected bidders.
- All material supplied must be brand new strictly conforming to the given specifications .Old, reconditioned or refurbished equipment shall not be acceptable.
- The sole agent will be responsible for all the charges (clearing, freight etc.) for delivery of items at site.
- Only certified dealers/distributors of the following manufacturers are eligible: **A standard company from UK, USA, Japan, Singapore, Korean and Europe etc. No CHINA made please.**
- Offer must be supported with comprehensive technical literature and specifications in original (English) for the materials/goods offered.
- Agreement on stamp paper @ 0.25 percent of total cost should be submitted by the firm.
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Tender-B/2016- Surgical Instruments & Accessories:

Item	Specifications	Qty.	Rate (if applicable)
AI gloves	100 per pack	2	
AI guns	Standard	2	
AI rods	25 per pack	10	
AI Sheaths	Pack of 50	6	
BD syringes	20 mL	6	
Branula	22 G	50	
Suture material	Chromic Catgut 2/0	10	
Cotton bundles	200 g	20	
Coverall	Standard size, Blue colour	5	
Disposable Gloves	Pack	10	
Disposable gloves latex	10 Pkt.	5	
Disposable Syringes	10 ml (100)	1	
Disposable Syringes	5 ml (100)	2	
Disposable syringes	3ml (100)	1	
Dog muzzle	Small, Medium, Large size	3	
Endotracheal tube	6.0	1	
Endotracheal tube	6.5	1	
Endotracheal tube	5.0	1	
Suture material	Ethicone (Vicryl) 1	10	
Face Mask	10 boxes	5	
POP Bandage	6 inch	10	
Insulin syringes	100 packing	2	
Intestinal forceps	6 inches	4	
Irrigator	Surgical	2	
Metal dissection tray	with wax coating (300*200*45 mm) with dissection pins	2	
Needles	18 G (pack)	1	
Needles	20 G (pack)	1	
Needles	22 G (pack)	1	
Pets nasogastric tubes	Fr 4,5,6,8,10,12	2 each	
Pyodine	450 ml	5	
Rabbit restraining boxes	wooden (14*5.5*6.5inches)	3	
Suture material	Silk braided 2 No.	2	
Suture material	Silk Roll	2	
Surgical Blades	(22, 23, 24 no.) each	15	
Surgical Drape	(100*150 cm) each	2	
Surgical gloves	Latex 7 no. (Pack)	10	
Surgical Gown	Cloth made (wash able)	2	
Suture removal scissor	Steel made 4, 6 inches	1 each	
Teat siphon	Steel made	24	
Vaginal speculum for cow	Steel made	1	

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Tender-C/2016- Glassware & Consumables -:

Item	Specifications	Qty.	Rate (if applicable)
Coverslips	Box	1	
Conical Flask Flat bottom	1L, Glass	5	
Conical Flask Flat bottom	5 L, Glass	3	
24 well culture plates	each well capacity 2 mL, autoclaveable plastic	30	
Aluminium foil roll	Roll	3	
Aluminium Seals (Aluminium)	Pack of 1000	1	
Beaker	5 L, Glass	2	
Beakers	100 mL, Glass	5	
Beakers	250 mL, Glass	5	
Beakers	500 mL, Glass	5	
Beakers	1000 mL, Glass	5	
Bunsen burner with 3 meter rubber gas pipe	1 set	2	
Burette stands with clamps	1 set	3	
Burettes for titration	50 mL	3	
Conical flask	250 mL, Glass	3	
Conical flask	500 mL, Glass	3	
Conical flask	100 mL, Glass	6	
Droppers	Plastic	25	
Eppendorf tubes	0.5 mL plastic (pack of 500)	1	
Eppendorf tubes	1.0 mL plastic (pack of 500)	1	
Eppendorf tubes	2.0 mL plastic (pack of 500)	1	
Eppendorf tubes	5.0 mL; plastic (pack of 500)	1	
Falcon tubes	15 mL; plastic (pack of 20)	5	
Falcon tubes	50 mL; plastic (pack of 20)	5	
Filter paper	Whatman's 1	50	
Beakers	1000 mL; Glass	5	
Beakers	500 mL; Glass	5	
Bottles	50 mL; Glass (pack of 250)	1	
Bottles	100 mL; Glass (pack of 150)	1	
Kymograph paper	Standard size	50	
Dropper	Plastic	5	
Measuring cylinder	100 mL; Glass	5	
Measuring cylinder	250 mL; Glass	5	
Measuring cylinder	500 mL Glass	5	
Microhematocrit Capillary tubes	Glass; heparinized (Pack)	2	
Microhematocrit Capillary tubes	Glass; non-heparinized (Pack)	2	
Micropipette tips blue	Plastic; Pack of 1000	1	
Micropipette tips white	DNase RNase FREE; Plastic; pack of 1000	1	
Micropipette tips Yellow	Plastic; Pack of 1000	1	
Muzzle tape	Standard size	2	
Ointment dispensing bottles	100 g	50	
Petri Plates	3.5 inches; autoclaveable; plastic	50	
Petri Plates	3.5 inches; Glass	50	

Item	Specifications	Qty.	Rate (if applicable)
Reagent bottles	350 mL; Glass	5	
Rubber bunks for sealing of vaccine bottle	Pack of 1000	1	
Separating funnels with stoppers	500 mL	3	
Separating funnels stands	Iron made	3	
Specimen jars	1 L; Glass	2	
Specimen jars	2.5 L; Glass	2	
Specimen jars	5 L; Glass	2	
Square cotton gauzes	Pack	10	
Staining bottles	Glass	15	
Staining Jars	Glass	10	
Stainless steel staining racks	Stainless steel	5	
Sterile cotton	Sterile cotton swab with ~6 inch stick	100	
Stirrer	Glass	100	
Test tube rack stainless steel	stainless steel	5	
Test tubes	15 mL; Glass	50	
Test tubes capped mouth	15 mL; Glass; Autoclaveable	50	
Tincture dispensing bottles	150 mL	100	
Tripod stands with wire gauze	Iron	7	
Y- shaped rubber tubing	For canulation of arteries	5	

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Tender-D/2016- Medicines/Semen-:

Item	Packing	Qty.	Rate (if applicable)
Almec	100 ml	20	
Amovet LA	100 ml	10	
Atropine eye drops	Minimum packing	2	
B Complex	50 ml	50	
Boric acid	200 g	10	
Chloral Hydrate	300 gm	1	
Colic syrup	450 ml	50	
Dalmeralin	2ml	5	
Delmazine	2ml	5	
Dexamethasone	50 ml	50	
Dextrose 25 %	20 ml	10	
Dextrose 5%	500 ml	10	
Diminazine	50 ml	15	
Encure	100 ml	30	
Genton	50ml	10	
Inj. Adrenaline	1ml	20	
Inj. Adrenaline	Ampule (minimum packing)	5	
Inj. Atenolol	Ampule(minimum packing)	5	
Inj. Atracuriumbesylate	Ampule(minimum packing)	2	
Inj. Atropin	50 ml	1	
Inj. Diazepam	Injection(minimum packing)	10	
Inj. Dobutamine	Vial(minimum packing)	1	
Inj. Dosacain	50 ml	5	
Inj. Furosemide	Ampule(minimum packing)	10	
Inj. Ketarol	10ml	2	
Inj. Lignocaine + adrenaline	Ampule(minimum packing)	10	
Inj. Lignocaine HCl	Ampule(minimum packing)	10	
Inj. Phenobarbital sodium	Ampule(minimum packing)	6	
Inj. Propofol	20 ml	5	
Inj. Propofol	Ampule(minimum packing)	3	
Inj. Propranolol	Ampule(minimum packing)	3	
Inj. Spasmonil	2 ml	50	
Inj. Thiopental sodium	Ampule(minimum packing)	2	
Inj. Transamin 250 mg	5ml	10	
Inj. Valium 5mg	2ml	10	
Inj. Xylaz	20 ml	2	
Kaolin	300 g	50	
Liquid paraffin	300 ml	20	
MagnesiumSulphate	300 g	50	
Melonec	50 ml	50	
Meprason	50 ml	10	
Milfone C	300 ml	10	
Nilvet	1L	5	
Normal Saline	500ml	10	
Ointment lignocaine	Tube(minimum packing)	5	
Oxytocin	50 ml	5	
Oxyway	100 ml	30	

Item	Packing	Qty.	Rate (if applicable)
Penbiotic	5 gm	25	
Phenvil	50 ml	20	
Pilocarpine eye drops	Bottle(minimum packing)	2	
Progesterone	10 ml	10	
Ringer Lactate	500 ml	10	
Stilboestrol	10 ml	10	
Stomach powder	500 gm	100	
Sulphadimadine	500 ml	5	
Tegafon	1 kg	10	
Teragin Spray	150 ml	5	
Tincture benzoine co	450 ml	5	
Tribrisen	50ml	10	
TT oil	1 L	2	
Utenol pessaries	20 per pack	10	
V-Sel	100 ml	2	
Zinc oxide	200 g	5	
Semen dose Cholistani	0.5 ml	60	
Semen Doses Buffalo	0.5 ml	60	
Semen Doses HF	0.5ml	60	
Semen Doses Sahiwal	0.5 ml	60	
Brucella Milk Ring Test	Minimum packing	10	
Conc. Brucellaabortus antigen	Minimum packing	10	
FMD Serum	Minimum packing	5	
FMD Vaccine	Minimum packing	5	
Mallein	Minimum packing	5	
Rose Bengal Test antigen	Minimum packing	10	
Salmonella (Widal Testing antigen)	Minimum packing	5	
Tuberculin	Minimum packing	10	
Black Quarter vaccine	300 ml	10	
CCPP vaccine	100 doses	30	
Enterotoxaemia vaccine	300ml	10	
FMD serum	50 ml	10	
FMD vaccine	300 ml	5	
Goat/Sheep Pox vaccine	100 doses	30	
HS vaccine	300 ml	5	

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Tender-E/2016- Chemicals:

Item	Packing	Qty.	Rate (if applicable)
1 % Kovac's oxidase Reagent	100 mL	1	
2 Beta mercaptoethanol	250 mL	1	
Acetic acid	2.5 L	1	
Acetylcholine hydrochloride powder	25g	1	
Acrylamide	500 g	1	
Adonitol	100 g	1	
Agar Agar	500 g	1	
Agarose	100 g	1	
Agarose Gel Base	500 g	1	
Aluminium hydroxide gel	500 mL	10	
Ammonia water	2.5 L	1	
Ammonium hydroxide	2.5 L	1	
Ammonium per Sulphate	500 g	2	
Ammonium sulphamate	100g	1	
Ammonium sulphate	500 g	1	
Amyl alcohol	1 L	2	
API 20 A	1 box.	1	
API 20 E	1 box.	1	
API 20 NE	1 box.	1	
API 20 Staph	1 box.	1	
API Strep	1 box	1	
Arabinose	100 g	1	
Atropine sulphate powder	25g	1	
Bacteriological peptone	500 g	1	
Barrit's Reagent	250 mL	1	
Beef Extract	500 g	1	
Benzene	2.5 L	1	
Beta mercaptoethanol	100 mL	1	
Bile esculin agar	500 g	1	
Bis acrylamide	100g	1	
Bismuth sulphite agar	500 g	1	
Blood agar base	500 g	1	
Blood Group Typing Kits	Kit	3	
Boric acid	500 g	2	
Brilliant green agar	500 g	1	
Bromocresolpurple (Prepared)	500 mL	1	
Bromophenol blue (Prepared)	500 mL	1	
Calcium Chloride	500 g	1	
Calcium hydroxide	Kg	1	
Camphor	Kg	1	
Canada Balsam	100 mL	1	
CarbolFuchsin	250 mL	10	
Chloroxlenol Soap	125 g	100	
Chloroform	2.5L	2	
CMT reagent	1L	1	
Colophony resin	1 g	50	
Cooked Meat medium	500 g	1	
Copper sulphate	1 Kg	1	
Crystal Violet (Prepared)	250 mL	5	
Cysteine Yeast Sucrose (CYS) Tryptose Broth	500g	1	

Item	Packing	Qty.	Rate (if applicable)
Desoxycholate agar	500 g	1	
Dextrose	500 g	1	
Dimethyl 1-Nephthylamine	500 g	1	
Diphenylamine	100g	1	
Dipotassium phosphate	500 g	1	
Disodium Hydrogen phosphate	1 Kg	1	
DNA Extraction kits for bacterial DNA extraction	1 kits	1	
Dulcitol	25 g	1	
EDTA	1 Kg	1	
Edwards Medium	500 g	1	
Emersion Oil	50 mL	1	
Enterotube II	1 box.	1	
Eosin B	25 g	1	
Eosin Methylene Blue Agar	500 g	1	
Eosin Y	25 g	1	
Ethanol	2.5 L	5	
Ethidium Bromide	5 g	1	
Farmaldehyde 37% Commercial	1 L	100	
Ferrous Sulphate	1Kg	1	
Field Stain (Both Field A &B Prepared)	250 mL	10	
Formalin	2.5 L	3	
Fructose	500 g	1	
Gelatin	250g	2	
Gentian violet (Prepared)	500 mL	2	
Giemsa stain	25 g	1	
Giemsa stain (Prepared)	250 mL	5	
Glacial Acetic Acid	2.5 L	2	
Glucose	500 g	1	
Glucose monohydrate	1 Kg	1	
Glycerine	2.5 L	1	
Glycerol	2.5 L	4	
Glycine	500 g	1	
Gram Iodine (prepared)	250 mL	5	
Gram Stain (Decolorizer)	250 mL	10	
Hard paraffin	1 Kg	1	
Harris Hematoxylin	25 g	1	
Histamine powder	1g	1	
Hydrochloric acid	2.5L	1	
Hydrochloric acid	1 L	1	
Hydrogen peroxide	450 mL	2	
Iodine Solution	500 mL	2	
Isoamyl Alcohol	2.5 L	1	
Kovac's reagent	100 mL	1	
Lactic acid	1 L	1	
Lactose	500 g	1	
LB Broth	500 g	1	
Lime Stone	1 Kg	30	
Liquid paraffin	1 Pound	5	
Lysine	100 g	1	
MacConkey agar	500 g	1	

Item	Packing	Qty.	Rate (if applicable)
Magnesium Chloride	500 g	3	
Magnesium hydroxide	1 Kg	1	
Magnesium sulphate	500 g	3	
Maltose	500 g	1	
Mannitol Salt Agar (MSA)	500 g	1	
Medicated Spirit	1 L	1	
Methanol	2.5 L	3	
Methyl red	500 mL	1	
Methylated spirit	1 L	10	
Montanide Oil	500 mL	1	
MR-VP Broth	500 g	1	
Mycoplasma broth base	500 g	1	
Mycoplasma Gallisepticum(MG) Antibody ELISA Test Kit 96 wells/kit qualitative Serum	96*2 wells/kit	1	
N- 1-naphthyl ethylene diamine (NEDD) dihydrochloride	10g	1	
Nigrosin	100 g	1	
Nitric Acid	2.5 L	1	
Nutrient Agar	500 g	1	
Nutrient broth	500 g	1	
Ornithine	100 g	1	
Parrafin wax (soft)	2.5 Kg	1	
PBS Tablets	100 tabs	4	
PEG	500 g	1	
Pentothal Sodium	10 mL ampule	10	
Periodic Acid	100 g	1	
Petroleum benzene ether	2.5 L	4	
Phenol/Carbolic acid	1 Kg	1	
Phenyl red	500 mL	1	
Phosphate buffer	1 L	1	
Picric acid	500 g	1	
Potassium Hydroxide	500 g	5	
Potassium chloride	1 Kg	1	
Potassium dichromate	1 Kg	2	
PPLO agar	500 g	1	
RBC counting solution	500 mL	5	
Rhamnose	100 g	1	
Sabouraud's Dextrose Agar	500 g	1	
Safranin	25 g	1	
Safranin (prepared)	250 mL	3	
Schiff's Reagent	500 ML	1	
SDS	500 g	1	
Selenite cysteine broth base	500 g	1	
Selinite F broth	500 g	1	
Simmon Citrate Agar	500 g	1	
Sodium Azide	100g	1	
Sodium bicarbonate	1 Kg	1	
Sodium chloride (Commercial)	1 Kg	10	
Sodium Chloride Lab grade	1 Kg	2	
Sodium Citrate	1 Kg	1	
Sodium dihydrogen phosphate	500 g	2	

Item	Packing	Qty.	Rate (if applicable)
Sodium hydrogen phosphate	500 g	1	
Sodium Hydroxide	1 Kg	1	
Sodium hydroxide pellets	500g	1	
Sodium hypochlorite	L	1	
Sodium iodide	250g	1	
Sodium nitroprusside	100 g	1	
Sodium thiosulphate	1 Kg	1	
Soft soap (pharmaceutical grade)	1 Kg	1	
Sputolysin sol. (Dithiotheritol sol.)	5 g	1	
SS Agar	500 g	1	
Staphylococcus medium 110	500 g	1	
Starch	500 g	1	
Sulfanilic Acid	500 g	1	
Sulfur Indole Motility Media (SIM)	500 g	1	
Sulfur powder	500g	1	
Sulfuric acid	2.5 L	4	
TEMED	10 mL	2	
Thiomersal Sodium	100 g	1	
Triple Sugar Iron Agar	500 g	1	
Tris base	500 g	2	
Trypticase Nitrate Broth	500 g	1	
Tryptone broth	500 g	1	
Tryptose blood agar	500 g	1	
Turpentine oil	1 L	1	
Urea Agar	500 g	1	
WBC counting solution	500 mL	5	
White soft paraffin	1 Kg	5	
Wright stain (Prepared)	250 mL	10	
Xylene	2.5 L	2	
Zinc Powder	500 g	1	
Zinc Sulphate	1 Kg	1	

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