

PROPOSED INSTRUMENT AND EQUIPMENT 2026-27			
S. No.	Name of Instrument	Detailed Specifications & Descriptions	Packing
1- General Surgical & Suturing Instruments			
1	Allis Tissue Forceps	Stainless steel construction; 20 cm length.	Each
2	Artery Forceps Curved	Stainless steel; 15 cm length; curved tips for vascular clamping.	Each
3	Artery Forceps Straight	Stainless steel; 15 cm length; straight design.	Each
4	Forceps S.S.	General purpose stainless steel; 20 cm length.	Each
5	Forceps S.S.	General purpose stainless steel; 15 cm length.	Each
6	Haemostat Straight S.S.	Stainless steel; 17.5 cm length for clamping blood vessels.	Each
7	Haemostat Curved S.S.	Stainless steel; 15 cm length.	Each
8	Mayo's Scissors Curved	S.S. 15cm; ISI certified; curved blades for deep tissue cutting.	Each
9	Mayo's Scissors Straight	S.S. 15cm; ISI certified; straight blades for surface tissue.	Each
10	Scissors Straight S.S.	Stainless steel; 12.5 cm length.	Each
11	Scissors Straight S.S.	Stainless steel; 17.5 cm length.	Each
12	Suturing Needle	Assorted sizes; Traumatic/Atraumatic; Curved/Straight types.	Each
13	Suture Thread	Silk or Nylon; 10 mt. reels in sizes No. 100, 0, 1, 2, 3.	Each reel
14	Chromic Cat Gut	Absorbable suture material; sizes 100, 0, 1, 2, 3.	Each
15	Needle Holder S.S.	Stainless steel; 15 cm length for secure needle grip.	Each
16	B.P. Blades	Surgical steel; sizes No. 22, 23, 24, 11, 12, 13, 14, 16.	Each
17	B.P. Handle S.S.	Size No. 3 for small blades; Stainless steel.	Each
18	B.P. Handle S.S.	Size No. 4 for large blades; Stainless steel.	Each
19	Thermocautery	Monopolar and bipolar cut & coagulation modes; max power 400 W; 230-250V supply; capable of underwater performance.	Each
2. Animal Reproduction & Special Procedure Tools			
20	A.I. Kit	Comprehensive kit including: AI Gun (0.25 ml mini straw); 8" grooved tweezers; folding dip stick (-196 to +50°C) ; straw cutter; 500ml SS thermos flask with dial thermometer (0-100°C) ; thaw monitor (35-37°C) ; reusable plastic apron ; disposable gloves (825mm) ; and a waterproof kit bag.	Kit Bag
21	Calf Puller	Standard birthing aid; 11.8 KG; 1825 x 520 x 130 mm; supplied with 180 cm rod and nylon ropes.	Each
22	Bloodless Castrator	9" length; high carbon steel with rust protection; for small animals.	Each
23	Castrator for Large Animal	19" length; stainless steel; includes key spanner and knee rest.	Each
24	Electric Dehorner	30 cm length; used for removing horn buds.	Each
25	Trocars Canula	15 cm length; stainless steel; specifically sized for sheep.	Each
26	Teat Syphon	Stainless steel construction.	Each
27	Drenching Bottle	500 ml capacity; metal construction.	Each
28	Drenching Bottle	200 ml capacity; metal construction.	Each
29	Dog Nail Cutter	Standard heavy-duty design for canine care.	Each
30	Calf Puller SS	SS 316/304; 1200mm approx operational length; detachable U-shaped front ; features a twin lock mechanism and obstetric chain.	Each
3. Animal Restraint & Handling Devices			
31	Animal Catcher	5 feet length; Stainless Steel rod; equipped with 6mm PVC-coated galvanized iron (GI) wire rope. Features an auto-lock mechanism and release knob for secure operation.	1 Pc
32	Anti Kick bar	Constructed from Stainless Steel. Adjustable between 33 to 57cm to accommodate different animal sizes. Includes flat rubber or plastic stoppers at both ends to prevent injury to the animal.	Each
33	Dog Muzzle	Available in assorted sizes to fit various canine breeds securely.	Each

34	Animal Catching Device	Stainless steel rod with adjustable length (24.8 to 46.3 inches). Features a 4mm diameter wire rope and a compression spring for quick hook adjustment.	Each
35	Animal Sling	Designed for large animals; includes 4 legs (6 ft long pipes) with a 1.5-ton chain pulley system. Features a strong synthetic cloth (5' 6" x 5') with 5 holes for limbs and udder/sheath. Portable via integrated wheels.	Each
4. Diagnostic & Laboratory Machinery			
36	Measuring Cylinder (50 ml)	Graduated cylinder made of Borosil glass for chemical resistance. 50 ml capacity.	Each
37	Measuring Cylinder (100 ml)	Graduated cylinder made of Borosil glass for chemical resistance. 100 ml capacity.	Each
38	California Mastitis Kit	Complete kit made of polypropylene with 4 mixing chambers. Includes reagent, dispenser, test color standard chart, and full grip handle.	Each
39	Centrifuge Machine	Type: Benchtop for general purpose. Performance: Maximum speed of 5200 rpm; microprocessor-based control. Configuration: Universal motor (carbon brushes) and a rotor with an 8 x 15 ml swing-out head.	Each
40	Microscope Binocular	Optics: Anti-fungal multi-layer coating. Focusing: Co-axial coarse and fine controls with a 20mm range. Objectives: Semi-plan Achromat 4x, 10x, 40x (spring), and 100x (spring, oil). Illumination: 3W high-brightness LED light source (30,000 hrs life). Stage: Co-axial low drive mechanical stage (125 x 145mm) with a traverse area of 50 x 75mm.	Each
41	Urine Analyzer	Species: Cat, dog, pig, goat, horse, monkey, cow, buffalo. Interface: 5-7 inch touch screen. Parameters: Strips with 11 specific parameters. Output: Thermal printer with auto and manual print modes.	Each
42	Hematology Analyzer	System: Three-part differentiation. Species: Multiple animal profiles (Cat to Buffalo). Display: Large TFT color LCD with touch screen; supports mouse and keyboard. Throughput: 30 or more samples per hour.	Each
43	Serum Analyzer	Type: Semi-Automatic Veterinary Serum Analyzer. Parameters: Measures 25+ values including ALT, Urea, Crea, Glucose, and Electrolytes (Na, K, Cl, Ca, Mg). Hardware: 5-10-inch touch screen and built-in thermal printer.	Each
44	Incubator	Construction: Double wall; inner chamber of polished stainless steel; exterior white powder-coated mild steel. Insulation: Special grade glass wool. Range: 30°C to 110°C (± 1°C). Size: 375mm x 375mm x 375mm.	Each
5. Cold Chain & Vaccination Storage			
45	Thermos S.S.	Capacity: 1 Liter. Design: Double insulated stainless steel body for maximum thermal retention. Physical: 30 cm length with a 7.5 cm mouth diameter for easy access; includes a shoulder carrying strap for field mobility.	Each
46	Vaccine Carrier	Capacity: 1.6 Liter vaccine storage. Thermal Management: Supplied with 4 dedicated ice packs to maintain internal temperatures during transport.	Each
47	Cold Box	Capacity: 20 Liter vaccine storage. Insulation: 110 mm thick polyurethane insulation material. Thermal Retention: Supplied with 52 ice packs. Construction: Plastic external surface and internal lining. Dimensions: External 77 x 30 x 31 cm; internal storage 48 x 24 x 17 cm.	Each
48	Refrigerator	Capacity: 220 Liter net volume. Design: Double door model with a 3-star energy rating. Safety: CFC-free cooling system; supplied with a dedicated voltage stabilizer to protect against power fluctuations.	Each

49	Cold Cabinet / Cold Room	Dimensions: Large scale unit, 6' x 7' x 7'. Configuration: 75% capacity dedicated as a cold cabinet (2–8°C) and 25% capacity as a deep freezer. Body: Stainless Steel construction, CE certified. Monitoring: Digital display with an alarm system for temperatures deviating beyond the set point.	Each
50	Vertical Cold Cabinet	Capacity: 300 liters ($\pm 15\text{L}$). Storage: Temperature range of 2–8°C with adjustable shelves. Reliability: Engineered to hold internal temperatures for at least 12 hours during a total power failure.	Each
51	Ice Lined Refrigerator (ILR)	Capacity: 300 Liter vaccine storage. Thermal Design: Ice lining using plastic tubes acts as an ice bank; holdover time exceeds 24 hours during power cuts. Construction: Polyurethane foam insulation (Cyclopentane agent); silicon magnetic gaskets for tight sealing. Control: Digital thermometer; factory pre-set thermostat (2–8°C); noise-less fan for compressor cooling.	Each
6. Clinical Facility & Sterilization			
52	Bio Medical Waste Bin	Consists of a 4-color bin system (Red, yellow, black, blue). Each bin has a capacity of 30-32 liters. Includes a movable trolley with a brake provision for stability during operation.	Each
53	Instrument Trolley	Measures 18" x 30". Constructed with two stainless steel shelves and mounted on castor wheels for mobility.	Each
54	Dressing Drum	Round stainless steel drum made of 20 gauge material. Dimensions are 30 cm height x 30 cm diameter.	Each
55	Kidney Tray	Stainless steel construction with a length of 15 cm.	Each
56	Tray Small	Stainless steel tray measuring 250 mm x 300 mm.	Each
57	Syringe Destroyer	Electrically operated needle and syringe destroyer. Destruction rate is a maximum of 1 minute per needle (up to 1.6 mm thickness and 80 mm length). Capacity for minimum 350 cut hubs with burnt residue management.	Each
58	I/V Fluid Stand	Constructed entirely of stainless steel.	Each
59	Medicine Carry Bag	Made of Nylon 600 DPU coated material; padded for protection. Features multiple pockets for organizing medicine and surgical equipment.	Each
60	Jar with Lid	Stainless steel jar with a 2 kg capacity.	Each
61	Jug	Stainless steel jug with a 2 litre capacity.	Each
62	Bucket	Stainless steel bucket with a 12 Liter capacity.	Each
63	Canopy Tent	Measures 6 x 6 x 7 feet. Frame made of 23 gauge steel powder-coated pipe with a waterproof tetron cover. Supplied with two folding chairs and one folding table.	Each
64	Autoclave Electric	Chambers: Inner chamber made of thick 304 grade SS; outer chamber of heavy gauge polished SS. Lid: Thick machined high-grade SS plate. Safety: Includes spring-loaded safety valve, pressure gauge, water level indicator, and drain valve. Testing: Hydraulically tested up to 40 psi. Size: 12" x 18".	Each
65	Hot Air Oven	Construction: Double wall; inner chamber of highly polished SS; exterior of thick mild steel with white powder coating. Insulation: Special grade glass wool. Performance: Range 50°C to 250°C ($\pm 2\text{--}3\text{ }^\circ\text{C}$) with uniform heating on three sides. Size: 375 x 375 x 375 mm.	Each
66	Mobile Shadowless Lamp	Features six reflectors for bright, cool light comparable to daylight. Includes adjustable intensity, wide focus range, and adjustable angles. CE certified.	Each
7. Medical Consumables & PPE			
67	Surgical Gloves	Standard-grade sterile gloves for surgical procedures.	Each
68	Surgical Mask	Standard-grade protective face masks.	Each
69	Hypodermic Needle (15G)	Size: 15 x 3/4".	Each
70	Hypodermic Needle (18G)	Size: 18 x 3/4".	Each

71	Vacutainer with Needle	10 ml vacuum capacity; features double Bewell 16 No. needle.	Pack of 100
72	Intra Venous Set	Standard disposable IV administration set.	Each
73	Scalp Vein Set	Available in 21 No. and 22 No. sizes.	Each
74	Doctor Coat	Teri cot material; provided in Free Size.	Each
75	Plastic Apron	Non-synthetic jacket-style apron specifically designed for vaccinators.	Each
76	Macintosh Sheet	Double-colour rubberized protective sheet.	Each
77	Rubber Arm Sleeves	Size No. 9; includes integrated latex gloves.	Each
78	Gum Boot	Black rubber construction; available in standard sizes 6, 7, and 8.	Each Pair