
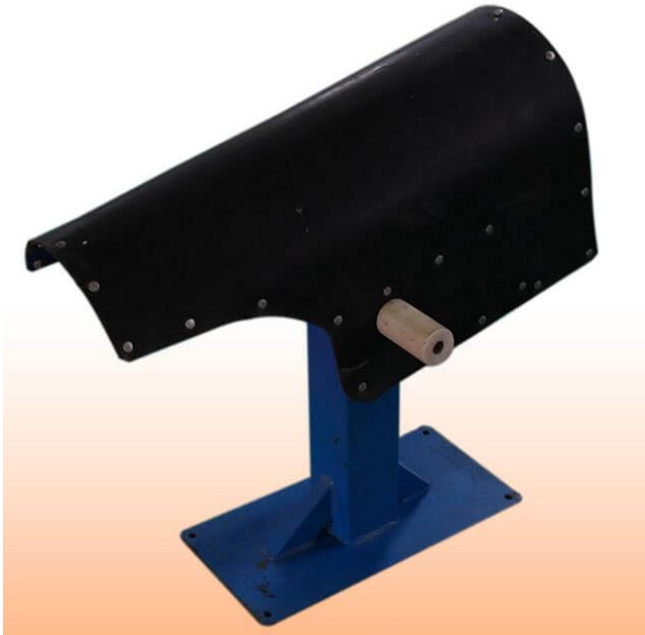







**Annex "D": Technical Specifications including some Pictures of Items**

| Item No.   | Specification  | Statement of Compliance  |            |
|--|--|--|------------|
|  |  | Comply   | Not Comply |
|  | <b>Negotiated Procurement for Purchase and Delivery of Equipment for Upgrading of YOOKAH Native Pig Nucleus Farm in CAR</b>  |  |            |
| 1  | Collection Dummy (includes Collection Mat, Collection Vessel, Semen Filter, Semen Bottle, 1 set)<br><br><b>Other Specifications:</b> Collection Dummy Boarmatic® System, Right or Left Side Collection, Height adjustable dummy with spring cushioned support frame made of steel, heavy steel body coated with durable PUR plastic to provide hygienic surface, replaceable mounting element, preferably Product Minitube International Germany.<br><b>Size:</b> 900mm Length; 510mm Width; 630mm Height<br><b>Material:</b> Rubber and Steel<br><b>Net Weight:</b> 50 kgs<br><br><b>Function:</b> These are basic equipment and tools for Artificial Insemination. |                              |            |
| <b>Collection Dummy</b><br> |  | <b>Collection Vessel</b><br> |            |
| <b>Semen Filter</b><br>     |  | <b>Semen Bottle</b><br>      |            |



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| 2 | <p>DVM Rapid Test Spectrophotometer/Sperm Analyzer (include supply kits), portable, 1 set</p> <p>Other Specifications: Main unit with 19" LCD display x 1 set, JVC Camera (from Japan) x 1 set, NOVA Binocular Microscope x 1 set, Microscope analysis software x 1 pc, Counting Plate x 1 pc, Video acquisition card x 1 pc, Canon Color jet printer x 1 set, ABS Trolley x 1 set, Sperm thermostat x 1 set, Microscope slide x 1 set, User's manual x 1 pc</p> <p><b>Function:</b> For quick sperm analysis upon collection.</p> |  |  |
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**Semen Analyzer**






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| 3 | <p>Electric Microscope with Monitor, 1 set</p> <p><b>Specifications:</b> Head: Binocular Digital observation head, inclined 30 degrees rotatable 360 degrees; Eyepiece: Widefield eyepieces WF10x/18 with field number 18mm; Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings; Objectives: Achromatic DIN 4x (0.10), 10x (0.25), 40x (0.65), 100x (1.25); Working Stage: Double layer with mechanical sliding stage; Size: 125x115mm, X-Y movement range 70x30, specimen holder for one slide; Condenser: Abbe condenser, N.A. 1,25 precentered; Focusing system: Coaxial coarse and fine, with focusing stop mechanism; Illumination: Light source type X-LED<sup>2</sup> with white LED; Light intensity control using a knob on left side of the frame; LED power 3w, comparable to a 30-35w halogen bulb</p> <p><b>Definition and Functions:</b> A state of the art microscope with wide field eyepiece and infinite semi-plan achromatic objectives and quadruple nosepiece. This is valuable in terms of viewing and analyzing sperm cell deformities as well as evaluation and documentation of tissue samples for toxicity and efficacy testings.</p> |  |  |
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| 4 | <p>Thawing Device (set to +50°C, with accessories, 1 unit)</p> <p><b>Other specifications: Power supply:</b> 220-240 V 50/60 Hz oder, 100-120 V 50/60 Hz; Set temperature: +37°C bis max. +45°C; US: +37°C; Dimensions: 340 x 600 x 320 mm (WxDxH); Weight without filling: 18 kg; Filling quantity: 9 L</p> <p><b>Function:</b> For constant time-controlled thawing</p>   |   |  |
|   | <div style="display: flex; justify-content: space-around;">   </div>   |   |  |
| 5 | <p>Semen Storage Unit with Adjustable Digital Display, 17 cu ft, small-size powered storage unit with an exterior digital display, has warm coils and circulating fans to maintain consistent cooled semen temps on all shelf levels, 1 unit</p> <p><b>Function:</b> For storage purposes</p>   |  |  |
|   | <p><b>Semen Storage</b></p> <div style="text-align: right;">  </div>  |   |  |
| 6 | <p>Lean Meter with complete tools and accessories, with rechargeable battery, completely supplied with 1 meter cable, probe, with battery charger, and 25mm test tube, 1 unit</p> <p><b>Specifications:</b><br/> <b>Range/Accuracy:</b> 4-35 mm (0.156" - 1.365") +/- 1 digit<br/> <b>Display:</b> 2-digit LED for thickness, 3 LED's to indicate 1, 2 or 3 layers being measured, Battery charging LED<br/> <b>Controls:</b> On/Off Push Button<br/> <b>Power Supply:</b> Nickel Metal Hydride Battery<br/> <b>Battery Pack Life:</b> Approximately 2-4 years (1000 charges/discharges)<br/> <b>Operating Supply:</b> 6-10 hours on full charge, Recharge in 12-14 hours<br/> <b>Battery Charger:</b> 100-240VAC 50/60Hz .2A<br/> <b>Dimensions/Weight:</b> 7" x 2.75" x 1"<br/> <b>Weight (Lean-Meater® Only):</b> 12 oz.<br/> <b>Shipping Weight; Complete Package:</b> 1.87 lbs.</p> <p><b>Definition and Functions:</b> a truly unique device, giving direct electronic readings of backfat depth in big bright numbers. Proven accurate to within ± MM (.039) or 1 digit, this device can measure total thicknesses from 5-40 mm. It can measure the third layer of backfat and will automatically detect the number of layers present and the display of the result.</p> |   |  |

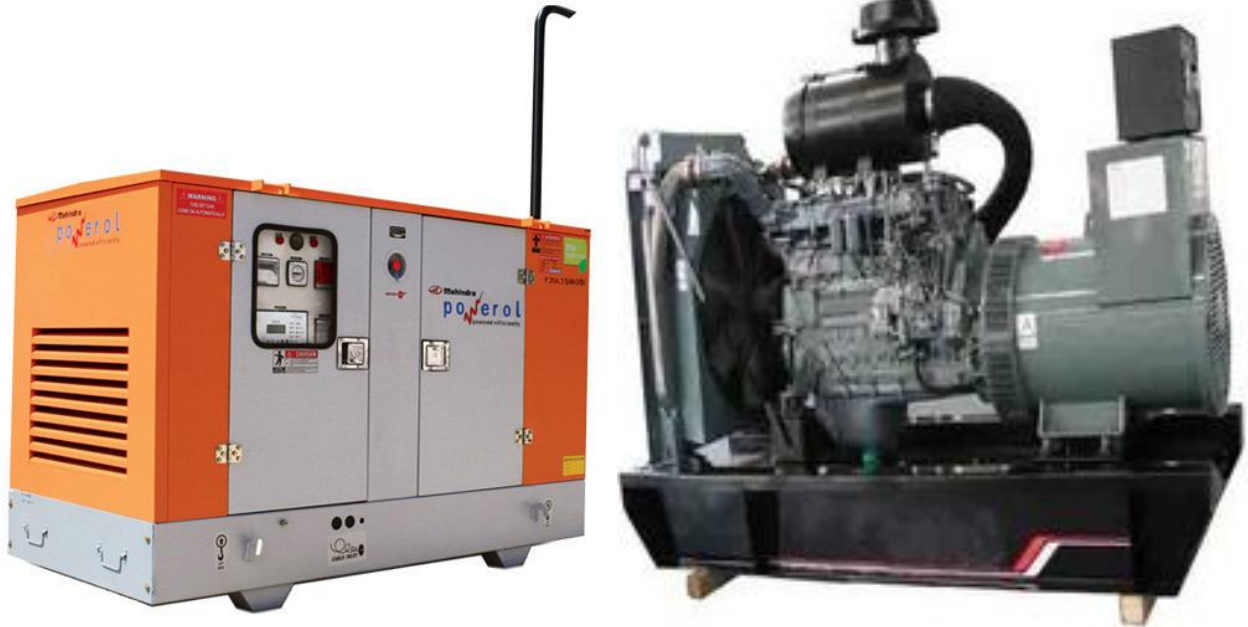


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|          | <p>The primary use is the measurement of back fat in swine for the determination of sow condition, gilt selection, quality and other genetic aspects.</p>   |  |  |
|          | <p><b>Lean Meter</b></p>    |  |  |
| <p>7</p> | <p>Ultrasound Scanner for Sows, 1 unit</p> <p><b>Specifications:</b> 300 dpi, LCD Display with 3.5 MHz probe, portable with rechargeable battery, line adapter, cable, contact gel, mouse, carrying bag, heavy duty carry case, Sector probe 3.5 MHz with freeze function, and suitable for transabdominal pregnancy detection in sows.</p> <p><b>Function:</b> Equipment for pregnancy detection</p> |  |  |
|          | <p><b>Ultrasound Scanner</b></p>    |  |  |
| <p>8</p> | <p>Air-conditioning System, Inverter, 2.5 HP, window type, including installation services, 1 unit</p> <p><b>Other Specifications:</b> Cooling capacity: 24,536kJ/h; Rated current: 9.7A, Rated power input: 2,220 w; EER: 11.0 kJ/HW; Fan Motor: 190 watts; Gross Weight: 65 kg; Unit Dimensions (WxDxH): 660 x 770 x 428 mm</p>   |  |  |
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| 9 | <p>Generator Set, Diesel Type, 20KVA, including Installation services, 1 set</p> <p><b>Additional Specifications:</b> KVA: 12; Engine Type: Perkins 404D – 22G; Volts: 400/230v; Cycles Hz: 50; RPM: 1500; Fuel Consumption: 5.5 L/Hr, Cooling system: water; Integrated fuel tank capacity: 90 L, Approximate weight of DG set: 800kg; 3 phase 27.8</p> <p><b>Function:</b> To ensure availability of electricity</p> |  |  |
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**Generator Set**



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| 10 | <p>Water Pump with Pressure Tank and Pump Well, 1 set</p> <p><b>Specifications:</b> Tanks–Various HydroPro® Diaphragm and Galvanized; Models V6P-V350 &amp; T Series; 26 Models, 2-116 Gallon Capacity; Pressure Tank is 2,000L with 1HP Pump; Maximum Working Pressure: 100 PSI for V45PST and V60PST; 125 PSI for 15P; Tank Temperature Rating: maximum 120°F</p> <p><b>Features and Benefits:</b> Heavy-duty butyl diaphragm; Rigid polypropylene liner; All stainless-steel system connection; Heavy-duty polypropylene base eliminates corrosion</p> <p><b>Function:</b> to ensure availability of water supply</p> |  |  |
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**Water Pump**





**Other Requirements:**

- The prospective Supplier must provide sample for each item during the bid submission.
- All equipment and components should be original, branded (not clone or assembled) and brand new.
- Availability of parts and consumables in local market by local distributor.
- With at least 3-years on-site warranty on parts and labor (1-year warranty for battery).
- Includes hardware setup, installation, configuration.

**Equipment After Sales Support:**

- Under warranty coverage: If unrepairable within 24 hours, a free service backup unit (1:1) or service spare part of the same or higher specification must be provided by the supplier until defective unit / part is considered repaired/replaced.

**Incidental Services –**

The Supplier is required to provide all the following services, including additional services, if any.

- (a) Training of the Procuring Entity's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- (b) Includes delivery, deployment, hardware setup, installation, configuration, testing and commissioning of equipment in Kalinga State University.
- (c) Performance or supervision of on-site assembly and/or start-up, hardware set-up, installation, and configuration.
- (d) Furnishing of tools required for assembly and/or maintenance of the supplied Goods and furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
- (e) Availability of parts in local market by local distributor;
- (f) Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract;
- (g) Provision of service unit (1:1) of equivalent or higher specifications until defective unit is considered repaired;
- (h) Transportation expenses of Supplier's freight charges and any other charges for the delivery and support for the supplied goods to all the project sites shall be for the account of the Supplier.

I hereby certify to comply with all the above Technical Specifications.

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature Over Printed Name  
of Representative

\_\_\_\_\_  
Date