# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title:** SUPPLY OF EQUIPMENT FOR OFFICES, FOR EXTENSION DEPARTMENTS AND ARTIFICIAL INSEMINATION CENTRES.

**Publication reference:** CIG B1AB7366DE.

**Columns 1-2 should be completed by the Contracting Authority**

**Columns 3-4 should be completed by the Tenderer**

**Column 5 is reserved for the Contracting Authority**

Annex III - the contractor's technical offer

The Tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the Tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient),
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation.

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the Contracting Authority can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the Contracting Authority.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

| **Results** | **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Contracting Authority’s notes** |
| --- | --- | --- | --- | --- | --- |
| **2.1.2** | **1** | **Laptop**   * Processor: intel® Core I7. * Display: 14-inch LED. * Memory: at least 16GB. * HDD: 500GB or more. * Alphanumeric keyboard, touch ID sensor. * Touchpad: Touch ID sensor. * Wireless: Wi-Fi and Bluetooth. * USB C port included. * HDMI interface. * Camera: HD camera, 4-5 MP. * Software: Microsoft Windows 10/11. * Weight: no more than 2 kg. * Power cable included. * Display port or HDMI. * Microsoft Office license OEM included. * Laptop bag included. * Not less than one year warranty.   Quantity: 9 |  |  | 3 in Beni Suef  3 in Assiut  3 in Sohag |
| **2.1.2** | **2** | **Desktop Monitor**   * Curved screen display. * Size: not less than 27’’. * Resolution: not less than 1920 x 1080. * Colour: Support not less than 16.7M. * Aspect: ratio not less than 16:9. * Ports: At least HDMI or display port. * Display Cable and power cable included. * Not less than two years warranty (one year).   Quantity: 9 |  |  | 3 in Beni Suef  3 in Assiut  3 in Sohag |
| **2.1.2**  **2.2.2** | **3** | **Keyboard & Mouse set**   * Keyboard with Numeric Keypad features and extended layout. * Keyboard Connections and Expansion: Wireless. * Keyboard language: English/Arabic. * Mouse connection: wireless. * Set compatible with laptop and monitor as per items no. 1 and 2. * Batteries included for both keyboard and mouse: yes. * No less than 1 year warranty.   Quantity: 27 |  |  | 9 in Beni Suef  9 in Assiut  9 in Sohag |
| **2.1.2** | **4** | **Smart Projector with Internet and Apps:**   * Internet and Wi-Fi allow display-related applications to be activated. * Speakers,Connectivity technology:USB * Native Resolution:1280 x 800 * Display Resolution Maximum:1280 x 800 Pixels , * Display Type: DLP, Form Factor:Portable. * Brightness:3300 * Lumen and Wattage: 280 watts   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.1.2**  **2.2.2** | **5** | **Desktop Computer**   * Processor: 12th Gen Intel® Core™ i7-12700 * (25 MB cache, 12 cores, 20 threads, 2.10 GHz to 4.90 GHz Turbo, 65 W) * RAM: 8 GB . * Hard Disk: 512 SSD. * Graphics Card:Intel UHD Graphics 770   Quantity: 18 |  |  | 6 in Beni Suef  6 in Assiut  6 in Sohag |
| **2.1.2**  **2.2.2** | **6** | **Desktop Monitor**   * Curved screen display. * Size: not less than 22’’. * Resolution: not less than 1920 x 1080. * Colour: Support not less than 16.7M. * Aspect: ratio not less than 16:9. * Ports: At least HDMI or display port. * Display Cable and power cable included. * Not less than two years warranty (one year).   Quantity: 18 |  |  | 6 in Beni Suef  6 in Assiut  6 in Sohag |
| **2.1.2** | **7** | **Multifunctional colour printer (Print, Scan, Copy)**  **Minimum requirements**   * Print Technology: Laser. * Printer additional features: Wireless connection Auto-duplex printing, Wireless Direct Printing, Touchscreen control panel, Print from USB. * Scan Type: Flatbed, Auto Document Feeder (ADF). * Scan Resolution: Up to 1200 x 1200 dpi. * Additional Features (required): Scan-to-E-mail; Scan-to-cloud; Scan-to-USB; Scan-to-network folder. * Not less than one year warranty.   Quantity: 15 |  |  | 5 in Beni Suef  5 in Assiut  5 in Sohag |
| **2.1.2**  **2.2.2** | **8** | **High Wall Air Conditioner**   * 3 Hp Cold * Cool and Heat system * System Refrigerant * R410A * System Cooling * 12000 Btu/Hr * Supply, installation and test included   Quantity: 33 |  |  | 15 in Beni Suef  6 in Assiut  12 in Sohag |
| **2.1.2** | **9** | **Smart TV**  **Minimum requirements**   * Size: 43’’. * HD 4K Smart TV. * LED technology. * Active HDR. * Audio: 4.2ch / 60W. * Stand: wall mount/portable stand rack included. * Processor: Processor 4K. * Voice Control: Hands-free Voice Control. * HDMI features: ALLM/eARC. * Not less than 1 year warranty.   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **10** | Provide financial assistance to the relevant hosting institutions to provide assessment study and business plan for the feed production units |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **11** | **Supply and install equipment for eatablishment of 3 animal feed production units with a capacity of 1.5 tons/hour, each unit consist of :**   * **Auger tank with a capacity of 150 kg :**   Auger 80 cm \* 80 cm - Iron thickness 2.5 mm - Carries on 5cm or 3\*5cm boxes.   * **6-inch auger, 6 meters long :**   Internal pipe, Schedule 80, imported, thickness 6 mm. External pipe, 6 inches, 2.5 mm.  30 mm aluminum drums, 2 belts / cover on the motor, 2.5 mm / vane, 2.5 mm auger screws, 6 mm, pomegranate ball 206.   * **Tank 115\*115 height 175**   **cm/without chassis:**  Iron sheet thickness, 2.5 mm, tank holder chassis, 8 cm beam, fastened with 5\*3 2.5 mm boxes   * **Chopper 30\*50cm 30HP:**   Taiwanese coplin 180 m / crusher body 6 mm / steel knives / 62 sieves / balanced plate on a motor balancing machine.   * **6-inch auger, 5 meters long:**   Internal pipe, schedule 80, imported, thickness 6 mm. External pipe, 6 inches, 2.5 mm, feather, 2.5 mm. Auger screws, 6 mm. Pomegranate ball bearings 206 30 mm. Aluminium drums, 2 belts/cover on the motor, 2.5 mm.   * **Half-ton capacity placement scale +**   **Screen and cell:**  Made of 2.5 mm and 6 mm iron, carried on an 8 cm galaxy beam / fan in 5 \* 3 cm boxes with a cell.   * **6-inch auger, 3 meters long:**   Internal pipe, schedule 80, imported, thickness 6 mm. External pipe, 6 inches, 2.5 mm, feather, 2.5 mm. Auger screws, 6 mm. Pomegranate ball bearings 206 30 mm. Aluminium drums, 2 belts/cover on the motor, 2.5 mm.   * **Half-ton mixer, 72 cm \* 200 cm:**   Horizontal mixer running on a 10 HP motor with gearbox, Gearbox 50 mm / side iron 6 mm iron barrier material 2.5 mm internal wicker 10 mm external wicker 6 mm ball bearings 60 mm / internal size 72\*200 cm mixer capacity half a ton of time.   * **8-inch auger, 6 meters long:**   Internal pipe, schedule 80, imported, thickness 6 mm. External pipe, 8 inches, 3 mm, feather, 3 mm, imported/auger screws, 6 mm, pomegranate ball 208, 40 mm, aluminium drums, 2 belts/cover on the motor, 2.5 mm.   * **250 mm ring die piston**   One-and-a-half-ton piston, Vader and stainless steel 403 ball bearing, internal wear, German piston, 6 mm iron.   * **Airlock 1 HP**   Airlock air lock works on a motor with iron thickness of 2.5 and 6 mm   * **100 cm radiator room:**   The radiator room is made of iron, 2.5 mm, a square room, carried on a beam chassis of 8 cm, the mat holder is 15 mm imported wicker, mats work on a 50 mm pipette.   * **Scullon 70 cm:**   Scullon for separating fine/iron thickness 2 mm.   * **3 HP blower:**   Suction and air supply blower, locally manufactured, made of iron, 2.5 mm fan, balanced on a balancing machine, running on a motor**.**   * **Crushed 60 cm, capacity one and a half tons:**   Made of 3 mm iron, locally made rollers, not steel, running on a high-quality motor equipped with a distributor without a motor, operating according to the standard.   * **Centric sieve, one and a half tons 60\*120 cm:**   Made of 2.5 mm iron, it is carried on a 7\*7 cm cans chassis, works via a reciprocating center, and runs on a 2 HP high-quality motor.  **Boiler:**   * with capacity of 200 kilograms per hour, three-way water back design, insulated from the outside with a layer of thermal insulation, covered with a layer of coloured sheet metal on the outside.   **The Boiler includes the following:**   * High-quality lighter and a water pump. * Electrical panel to operate the boiler, automatically. * 2 stadium grinders to control the required pressure. * 2 safety covers for the boiler. * An indication kit to see the water level. * A side float operated by sensors to protect the boiler. * All valves on the boiler have a meter to read the required pressure. * Checked stainless steel valve to prevent water from returning.   **Air compressor 300 liters :**   * 4 HP * Cubic feet: 16.9 * L/min: 481 * Bar pressure: 8 * Pressure: 116 * Horsepower: 4 HP * Volt: 220v/380v   **Supply, installation and test included for all previous items above.**  Quantity: 3: |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **12** | **Frozen sperm microscope :**   * Integrated display camera * Sensor size : 1/2.3” * Effective pixels : 16 million pixels * Resolution : 1920\*1080@30FPS * Output : USB2.0、HDMI、TF card、WIFI * Pixel size : 1.335\*1.335um * Power : DC-12V/2A * UI : Digital design, mouse operation, humanized setting * Mark function : Point coordinates, cross lines, coordinate systems, text annotations * Length measuring : Line length, line length, length of curve, parallel line distance and point line distance * Center distance of circles : Radius fixed circle, two point circle, three point fixed circle * Geometry measurement : Line length, radius fixed circle, two-point, circle, three point fixed circle, concentric circle * Geometry area : Polygon and square * Image capture : Support 16M photos * Video record : Support 1080P video * Measuring tool : S-EYE * Accessory : DC-12V Power adapter   The microscope Provided with a warm stage with the following specifications :   * Working surface temperature range : * Room temperature ~50℃ (adjustable) * Working surface temperature difference: * ≤0.5℃ * Light hole: Ф15 mm * Maximum filament power: 32W * Power: 220V 50HZ * Working face plate * Aluminum plate   Supply, installation and test included  Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **13** | **6L Liquid Nitrogen Container**   * Capacity : 6 Litter * Bottom Shape :Round * The liquid nitrogen dewar can store semen/embryos/cells/dry ice and etc. * Canisters: Each liquid nitrogen container comes with 6 stainless steel canisters, of which 1 without holes for retrieving small amount of N2, 5 with holes for holding samples. * Material: Made of aeronautical aluminums, the cryogenic container is of high strength and can protect liquid nitrogen and samples. * Vacuum design: The storage tank is surrounded by multiple insulation layers and gas adsorbent to ensure its vacuum inside and for better storage.   Quantity: 24 |  |  | 8 in Beni Suef  8 in Assiut  8 in Sohag |
| **2.2.2** | **14** | Supply spare parts, install, repair and conduct necessary maintenance on liquid nitrogen machines in the three targeted governorates to make them fully operational. |  |  | Beni Suef – Assiut – Sohag |
| **2.2.2** | **15** | **Wood desks:**   * Materials: MDF wood - Melamine * Dimensions: Width 120 cm - Depth 60 cm - Height 75 cm * Supply, installation included   Quantity: 33 |  |  | 14 in Beni Suef  8 in Assiut  11 in Sohag |
| **2.2.2** | **16** | **Drawers’ units**   * Material: MDF Wood - Melamine * Mounting Type: Wall Mount * Style: Modern * Room Type: Office Room * Number of Drawers: 4 * Item Shape: Rectangular * Supply, installation included   Quantity: 35 |  |  | 14 in Beni Suef  9 in Assiut  12 in Sohag |
| **2.2.2** | **17** | **Manager chairs**   * Office chair with high back * Pneumatic height adjustment * Adjustment of the position of the headrest * With 3D armrests * Fabric seat * Nylon base with PU swivel wheels * Adjustable lumbar support * Dimensions: 68 x 65 x 107-117 cm * Black colour * Supply, installation included   Quantity: 33 |  |  | 14 in Beni Suef  8 in Assiut  11 in Sohag |
| **2.2.2** | **18** | **Fixed middle back waiting chair**   * Made of nylon propylene plastic. * The base is a plastic cover from the bottom. * The upholstery is made of high-density foam and covered with mesh with small pores to withstand the pressure of work. * Supply, installation included   Quantity: 60 |  |  | 26 in Beni Suef  16 in Assiut  18 in Sohag |
| **2.2.2** | **19** | **Black and white Printer (Laser All-In-One)**  Available Functions: Print, Copy, Scan and Fax Print Specifications  Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **20** | **Portable Ultrasound Scanner System device**   * Imaging Modes: B, M, 2B, B/M, 4B * Application scenarios: Veterinary clinic & research departments and livestock farm, Zoo, etc. Application for equine, large animal, small animal, zoo mammal, and marine mammal medicine * Ultrasound platform: Based on Linux, stable performance, security data * Touch Screen: Fully resistive touch screen * Transducer connector: 3 active, unique micro connectors. * Battery Working time: Continuous scan greater than 5 hours with 2 batteries, replaceable battery design * Technology Descriptions: Wide-angle imaging, Panoramic focusing technology, Rolling M technology, Cloud processing technology, Noise suppression, Image enhancement Zoom, iBscan™, DICOM3.0 * Ergonomics: 15” high resolution LCD Monitor; Adjustable LCD view angle; Convenient cable &probe hook * Size& Net weight: Height: 402 mm Width: 385mm Depth: 53mm, approx. 4.5kg * Connection Port: WIFI, 2\*USB, S-Video, HDMI * Optional: * Trolley Cart, Transducer, Wheeled Transport case, DICOM 3.0, Video printer, Optional * Supply, installation and test included   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **21** | **Horizontal cold cabinet for semen**   * Dimensions: 180 width 180 height \* 100 depth * Made of heavy-duty galvanized steel, anti-rust electrostatic, and stainless-steel inner lining for the work area. * Temperature 2 to 6 C * 2 high-quality motors, each ¾ horsepower, for heavy duty * The facade has side sliding doors * Interior lighting - operates on 220 volts * Preventing ice formation and steam condensation, no frost * ¾ hp Freon environmentally friendly 134 * Slot for print cables * The work area is 100 cm high and has an area of 100 depth \* 60 height \* 180 width * Noise suppressor less than 70 decibels * Covered with an isocan insulation layer of no less than 3 cm * Equipped with 6 wheels for movement with brakes * Compatible with straw welding machines * Supply, installation and test included   Quantity: 1 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.2** | **22** | **Inkjet coding printer for semen straws :**   * + Capacity of 18000 straw per hour   + Non-scratched printing   + No need for calibration   + Automatic printing   + Coding system   + Computer control   + Printing that is not affected by nitrogen   + Printing on straw, quarter millimetre and half millimetre   + Supply, installation and test included   Quantity: 1 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.2** | **23** | **Semen bank (liquid nitrogen refrigerator 394 litter capacity (to save semen)**   * + Eu or USA manufacture   + Evaporation 8.3 l daily   + Capacity not less than 394 liter   + Weight 190kg   + Fully loaded 505 kg   + Capacity straw .25 ml 394000   + Capacity straw .5 ml 177000   + Supply, installation and test included   Quantity: 1 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.2** | **24** | **Artificial vaginas for semen collectetion from bulls in Beni suef artificial insemination centre:**   * + Made of rubber   + Rubber lining   + With two fixing rings   + Equipped with a funnel to collect semen   + Length 45 cm, diameter 10 cm   Quantity: 40 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.2** | **25** | **Fan for livestock pens cooling:**   * + Equipped with water sprinklers   + Dimensions 1\*1 meter or 1 meter diameter   + Equipped with a 1 HP motor   + Supply, installation and test included   Quantity: 15 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.2** | **26** | **Granulated plastic to cover the floor of the semen collection room from bulls :**   * Plastic flooring for cow farms * Grainy plastic - Non-slip * Closed and leakproof * 20 mm thickness * dimensions 120 cm \* 120 cm * Baklava shape   Quantity: 100 square meters |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.3** | **27** | **Providing bulls :**   * Milk purpose : Holstein breed * Age : 9-12 months * Weight : 300 – 400 kg   Quantity: 5 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.3** | **28** | **Providing bulls**   * Mixed purpose : Simmental breed * Age : 9-12 months * Weight : 300-400 kg   Quantity: 5 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.3** | **29** | **Providing bulls :**   * Meat purpose : Browen Swiss breed * Age : 9-12 months * Weight: 300-400 kg   Quantity: 5 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.3** | **30** | **Providing bulls :**   * Buffalo : Italian breed * Age : 9-12 months * Weight : 300-400 kg   Quantity: 2 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.3** | **31** | Providing bulls :  Buffalo : Improved Egyptian Breed  Age : 9-12 months  Weight : 300-400 kg  Quantity: 1 |  |  | Beni Suef  Artificial insemination Centre |
| **2.2.2** | **32** | **Veterinary stethoscopes:**  - Double head (bell and flat diaphragm) stainless steel chestpiece.  - onchill rim chestpiece.  - pediatric chestpieces available  - binaurals adjust to angle of ear 28" length.  - interchangeable comfort sealing ear tips.  - latex-free  Quantity: 6 |  |  | 2 in Beni Suef  2 in Assiut  2 in Sohag |
| **2.2.2** | **33** | **Veterinary Electronic Thermometer:**   * Lcd screen. * soft head thermometer. * with Ntc sensor. * for cattle and sheep   Quantity: 6 |  |  | 2 in Beni Suef  2 in Assiut  2 in Sohag |
| **2.2.2** | **34** | **Veterinary Surgical Instruments kit:**   * Including not less than 40 pieces. * with empty stainlrss bag.   Quantity: 24 |  |  | 10 in Beni Suef  6 in Assiut  8 in Sohag |
| **2.2.2** | **35** | **Artificial insemination kit for cows:**   * contains an artificial insemination gun. * It consists of :   a vaccination pistol - Straw cutter - Straw mask - an empty stainless bag for artificial insemination  Quantity: 24 |  |  | 10 in Beni Suef  6 in Assiut  8 in Sohag |
| **2.2.2** | **36** | **Metal detector :**   * Veterinary Metal Detector for cattle, buffalo * Usage/application:Detect metal objects in animal body. * Alarm mode: vibration-Led Lights   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **37** | **Cow horn ironing machine :**   * For cattle * Working with 300 Watte   Quantity: 24 |  |  | 10 in Beni Suef  6 in Assiut  8 in Sohag |
| **2.2.2** | **38** | **Hoof trimming tools for cows:**  consist of :   * Individual Hoof Knife. * double hoof knife. * cattle hoof clippers. * sheep hoof clippers. * nail clipper. * nail file   Quantity: 24 |  |  | 10 in Beni Suef  6 in Assiut  8 in Sohag |
| **2.2.2** | **39** | **Microscope:**   * Quadruple. * Lenslight source type:halogen. * Material:metal. * Real angle of View:30 Degrees. * Magnification :2000 x. * Voltage: 240 Volts. * Objective Lens description:achromatic   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **40** | **4L Liquid Nitrogen Container**   * Capacity : 4 Litter * Bottom Shape :Round * The liquid nitrogen dewar can store semen/embryos/cells/dry ice and etc. * Canisters: Each liquid nitrogen container comes with 6 stainless steel canisters, of which 1 without holes for retrieving small amount of N2, 5 with holes for holding samples. * Material: Made of aeronautical aluminums, the cryogenic container is of high strength and can protect liquid nitrogen and samples. * Vacuum design: The storage tank is surrounded by multiple insulation layers and gas adsorbent to ensure its vacuum inside and for better storage.   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **41** | **Animal castration machine:**   * Size: 36 cm. * Manual. * Finish: Smooth. * Finishing: silver   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **42** | **Metal dosing pistol 50 cm:**   * Material: metal. * Power Source: ‎hand-operated. * Included components:dosing gun 50 ml double syringe   Quantity: 3 |  |  | 1 in Beni Suef  1 in Assiut  1 in Sohag |
| **2.2.2** | **43** | **Ceiling Fan:**   * White color , 56 Inch. * Working without remote control. * 3 metal blades. * Working with 5 selectable speeds. * 5 Years full free warranty   Quantity: 48 |  |  | 20 in Beni Suef  12 in Assiut  16 in Sohag |