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

**Contract title: Supply of Medical Equipment and Consumable p 1 /…**

**Publication reference: 007/CUAMM/ETH/2023**

**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 evaluation committee**

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 evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

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

Lot 1 Blood bank equipment – Unit price

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| 1 | **Tube sealer mobile:** Portable Tube Sealer for sealing different size medical PVC tubing. Thermal welding process Technical requirements  Capacity: Different types and sizes of tubing Rechargeable battery  life span of sealing not less than 2000 seal by full charge Safety: Provided with sensors which adapt with sealing time Automatic protection system for over temperature  Welding process fulfils sterile conditions  Mode of action: Automatic adjustment for RF power and sealing type  Temperature display: Digital temperature display Manufacture: Easy to clean, preferably in stainless steel  Electrical connection: 220-250 Volt, 50/60Hz, single phase safety fuse  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 2 | **Bench top centrifuge:** High speed Laboratory Bench Top Centrifuge,  impact- and scratch-proof housing. Non-refrigerated  Capacity: 80, exchangeable rack of 5 & 10ml Speed: Adjustable from 0 to 6000 rpm  RCF: Up to 7200 x g Rotor :1 x BS4402/A  Stainless steel rotor body, swinging out bucket Safety: Safety lid locking and holding Imbalance switch-off  Emergency lid opening  Motor and chamber overheating protection Protection against over speed  Drive system: Brushless Quiet induction motor  Timer: Adjustable up to 60 minutes Display: Digital display, easily readable Technical data: Electrical connection:  220-240V, 50/60Hz, single phase  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 3 | **Bio mixer**  Weighing Scale for Blood Bag Type of mixing: Linear with central support  Volume weighing range: 10ml – 990ml (with minimum variation of 10ml)  Pre-selection of volume to be collected. Tarring of bag volume before collection. Automatic storage and recall of set volume. Detachable blood collection tery  Accuracy: ± 2% within the range of 300 to 500 ml Weight display range: 10 – 990gms.  Weight accuracy: -1gm to +2gm Time display accuracy: 1second. Power consumption 24 - 35VA Line frequency 50/60 Hz  Power supply 220 -250V AC with optional battery pack Automatic mixing of the blood with anticoagulant preferably three dimensions.  Rechargeable battery pack at least working for 24 hr Should be suitable for all types of bags.  Reserve battery  Weight of the machine: not more than 3 kg without battery Alarming conditions audible and visual.  LED indication on commencement of collection.  LED indication and audible alarm at the end of collection. indication of time taken for collection.  Indication of blood flow with audio alarm when blood flow is higher or lower than desired.  Continuous display of collected volume, flow and time during collection.  Automatic clamping at termination of pre-set volume collection.  . Automatic release of bag when lifted.  Continuous agitation of blood bags during collection: 12 – 16 rpm.  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 4 | **Hemoglobin screening meter** Measurement Range: 0-  24.0 g/d, Power Supply: 3A battery X 2, Testing Time (seconds): 5 seconds, Sample Volume (μL): 1 μL, Memory Capabilities: 100 sets with date and time, Operating Temperature (°C): 10 °C~40°C  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 5 | **Blood weight scale (Huma scale)** Unique modern sensor and LED display.  Pre-set volume of blood collection function.  Taring and calibrating function, ensure measuring accuracy. Soft shaking mode, improving the survival of effective components in the blood.  Shaking auto stops when bags are taken away during collection and restart working after bags are remounted.  If collection volume is pre-set, the balance will stop shaking when there is 10ml gap and get into accurate measuring status.  Automatic alarm when reaching the pre-set value. Humanization design and reasonable structure is convenient for operation.  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 6 | **Adult digital weight scale:** Max.weighing:160kgs, Scale division  (d):100g, Height range to be measured: 70-190cm, Min. value of height per division: 0.5cm, Size of packing box: 815/895×465×265mm, Load platform area (L×W):375×270mm  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 7 | **Adult mechanical weight scale doctor scale;** Chromed housing and chrome plated decoration ring; capacity: 130kg / 300lb;, dimensions : 43x28.5.5x8.3 cm; division : 1 kg; with extra big display and platform; color available: white, black, blue; material: steel, pvc.  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 8 | **Hemaque machine**: HemoCue Hb 301 analyzer for capillary vein  or artery, with sample volume of 10microliter, power: AC adapter and 4AA batteries.  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 9 | **Universal lab Timer**  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 10 | **ABO rack**  Quantity:1  Delivery: Addis Ababa |  |  |  |

Lot 2 Mobile blood donor couch – Unit price

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| 1 | **Mobile blood donor couch:**  The manually adjustable donor chair can be put in either a semi or fully Reclining position.  Supplied with arm and head rest, covered with tough high quality washable Fabrics. Foldable, Heavy duty, especially suitable to carry 150kg adjustable and removable hand support on both side and detachable pillow, Dimensions(cm)  Quantity:1  Delivery: Addis Ababa |  |  |  |

Lot 3 Blood bank refrigerators – Unit price

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| 1 | **Refrigerator blood bank Storage capacity:**  At least 500- 1000 Litres  Upright refrigerator for storing whole blood or red blood cell packs  Compression type, CFC-free refrigerant  Fan-cooled for even distribution of air in the cabinet  Roll out drawers or shelves, height adjustable  Material, internal: stainless steel, aluminium or equivalent, approx. 22 gauge  Material, external: stainless steel or epoxy coated steel Insulation material: polyurethane, CFC-free  Lockable door, glass or solid  Warranty: One year minimum, with installation & maintenance  agreement  Electronic temperature control: 2 °C to 6 °C Accuracy, whatever the load: +/- 1 °C  Ambient operating temperature, range: 5 °C to 43 °C  Temperature monitoring: External digital display with actual interior temperature, minimal graduation 0.1°C  Electronic temperature recording device  Audio and visual alarm system indicates unsafe temperatures  Minimum compressor starting voltage: 22 % below nominal voltage  Power requirements: 220 V / 50 Hz Power consumption: approx. 250 W  WHO pre-qualified, laboratory test procedure: BTS/Proc 3  Quantity:1  Delivery: Addis Ababa |  |  |  |
| 2 | **Refrigerator blood bank Storage capacity:**  At least 100 – 300 Litres  Upright refrigerator for storing whole blood or red blood cell packs  Compression type, CFC-free refrigerant  Fan-cooled for even distribution of air in the cabinet  Roll out drawers or shelves  Material, internal: stainless steel, aluminium or equivalent, approx. 22 gauge  Material, external: stainless steel or epoxy coated steel Insulation material: polyurethane, CFC-free  Lockable door, glass or solid  Warranty: One year minimum, with installation & maintenance agreement  Electronic temperature control: 2 °C to 6 °C Accuracy, whatever the load: +/- 1 °C  Ambient operating temperature, range: 5 °C to 43 °C Temperature monitoring:  Electronic temperature recording device  Audio and visual alarm system indicates unsafe temperatures  Minimum compressor starting voltage: 22 % below nominal voltage  Power requirements: 220 V / 50 Hz Power consumption: approx. 250 W  WHO pre-qualified, laboratory test procedure: BTS/Proc 3  Quantity:1  Delivery: Addis Ababa |  |  |  |

Lot 4 Medical Consumables– Unit price

| **1.**  **Item number** | **2.**  **Specifications required** | **3.**  **Specifications offered** | **4.**  **Notes, remarks,  ref to documentation** | **5.**  **Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
| 1 | ABO blood group regent (pk of 5)  Quantity: 100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 2 | Hematocrit test tube (pk of 100)  Quantity:200  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 3 | Pipet tip “yellow”: Polypropylene, Yellow in color, Capacity 1- 200mcl, disposable non sterile, 5 years’ shelf life  Quantity:600  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 4 | RPR test kit for syphilis (box 25)  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 5 | HBsAg test kit (box 25)  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 6 | HCsAg test kit (box 25)  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 7 | non anticoagulant test tube (box 12)  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 8 | Examination glove (box 100)  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 9 | Cotton roll 500gm  Quantity:200  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 10 | Alcohol 95% (bottle)  Quantity:50  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 11 | Sodium chloride powder (sack)  Quantity:10  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 12 | **Hemaque micro-cuvette:** designed micro cuvettes, the HemoCue Hb 301 Micro cuvettes. The HemoCue Hb 301 System is for In  Vitro Diagnostic use only. The HemoCue Hb 301 Analyzer is only to be used with HemoCue Hb 301 Micro cuvettes.  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |
| 13 | **Hemoglobin test strip** compatible with  “Hemoglobin screening meter”  Quantity:100  Delivery: Addis Ababa  Expire : More than 12 Months |  |  |  |