**Section II: Schedule of Requirements**

**eSourcing reference: RFQ/2025/56586**

1. **SCOPE AND OBJECTIVE OF THE SUPPLY OF GOODS**

The bidder is required to meet the scope which includes supply and delivery of Laboratory Equipment for Armauer Hansen Research Institute (AHRI), Addis Ababa, Ethiopia.

The bidder has to include any missing components, accessories, services, software, hardware, or any other items deemed necessary to ensure the complete functionality of the required items must be proposed.

It is also expected that the Bidders Proposal includes the incorporation of the latest technology and functionality available for the required items. This ensures that the solutions are up-to-date and equipped with the most advanced features and capabilities.

Supply and delivery of Laboratory Equipment for Armauer Hansen Research Institute (AHRI), Addis Ababa, Ethiopia is as per the following details:

**A. Summary of Requirements**

UNOPS Requirements are comprised of the following **8 LOTs:**

| **LOT 1: Homogenizer (Stomacher)** | 1 Each |
| --- | --- |
| **LOT 2: Homogenizer** | 1 Each |
| **LOT 3: Homogenizer, High Speed** | 12 Each |
| **LOT 4: Sonicator** | 1 Each |
| **LOT 5: Digital Pathology slide Scanner** | 1 Each |
| **LOT 6: Automated Liquid-based Cytology (LBC)** | 1 Each |
| **LOT 7: Integrated Clinical Chemistry Analyzer with immune assay** | 1 Each |
| **LOT 8: Hematology analyzer** | 2 Each |

**B. Technical specifications for Goods and Comparative Data Table**

Bidders should indicate whether the following features are available (Yes) or (No) in the offered model. Bidders must provide documentary evidence to prove the availability of the relevant feature, either through manufacturer brochures, manuals, or, if unavailable in the aforementioned documents, a manufacturer letter or manufacture domain email. The reference should be marked in the remarks section

All equipment shall be new (Refurbished goods will not be accepted)

**LOT 1: Homogenizer (Stomacher)**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 1. Homogenizer (Stomacher)** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Application: Homogenization of biological samples for microbiology, healthcare, and life science work | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Base material: Stainless steel | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample capacity: 50-400 mL or better | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Blending speed: 3 or more steps (slow, medium and fast) or adjustable speed | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Timer range: 1 s to 59 min or better | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Timer setting: Adjustable or continuous operation | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Display: Digital | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Noise: ≤70 dB(A) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Paddle: Removable and cleanable | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Following items should be supplied with the instrument** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (i) Standard filter bags (250 Pcs) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (ii) Drip tray | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iii) Stomacher bag rack (10 place or better) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50-60 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories, software and start up kits/ reagents which are required for fully functionality of the machine shall be supplied (if applicable) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manufacturer ISO 9001 or ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 2: Homogenizer**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 2: Homogenizer** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Design: Benchtop | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Homogenizer with aerosol-safety container chamber | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Process range (H2O): 0.25 mL to 10 L | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Speed: 1000 - 20,000 rpm or better | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Speed change: Variable or ≥ 3 gears | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Speed control: Knob/touch/keypad | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Probe material: Stainless steel | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Timer range: 1 s to 1 Hr or open running | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Noise: ≤75 dB(A) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Motor output power: ≥ 500 W | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product shall have overload protection feature | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Dispersing tool: Corrosion/chemical resistant | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Following items should be supplied with the instrument** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (i) Suitable stand | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (ii) Fine probe with cutting blade type (Low volume range) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iii) Fine probe with cutting blade type (Mid and high volume range) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iv) Stainless steel chamber (up to 50 mL or better) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (v) Stainless steel chamber (up to 400 mL or better) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (vi) Tool kit containing all the standard manufacturer set elements | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50-60 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories, software and start up kits/ reagents which are required for fully functionality of the machine shall be supplied (if applicable) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manufacturer ISO 9001 or ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 3: Homogenizer, High Speed**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 3: Homogenizer, High Speed** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Able to homogenize, emulsify, blend and mix biological sample | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Homogenizer with aerosol-safety container chamber | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Process range (H2O): 10 mL to 40 L | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Controller: Touch or knob or keypad | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Speed: 10,000-30,000 rpm or better | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Speed change: Variable or ≥ 3 gears (soft/low, standard/medium, strong/high) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Shaft material: Stainless steel | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product shall have overload protection feature | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Timer range: 1 s to 1 Hr, open running | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Noise: ≤75 dB(A) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Following items should be supplied with the instrument** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (i) Suitable stand/s | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (ii) Shaft for low volume (up to 100-1000 mL), solid-liquid mixing type | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iii) Shaft for mid volume (up to 5/10 L), solid-liquid mixing type | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iv) Shaft for high volume (up to 40 L), solid-liquid mixing type | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (vi) Tool kit containing all the standard manufacturer set elements | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50-60 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories, software and start up kits/ reagents which are required for fully functionality of the machine shall be supplied (if applicable) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manufacturer ISO 9001 or ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 4: Sonicator**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 4: Sonicator** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Application: Homogenize samples, particularly cells/subcellular structures in suspension | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Interface: Touch/Knob/Keypad | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Ultrasonic Frequency: ≥20kHz | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Volumes: 0.5-50 mL or better | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power: ≥100 W | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product shall have overload protection feature | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Timer: 1 s to 10 Hrs or better | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Following items should be supplied with the instrument** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (i) Generator, converter, booster with complete setup | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (ii) Microtip probe for low volume (0.5-5 mL or better) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iii) Microtip probe mid and high volume range (5-50 mL or better) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iv) Acoustic enclosure with probe holder | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (vi) Tool kit containing all the standard manufacturer set elements | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (vi) Jack stand | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50-60 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories, software and start up kits/ reagents which are required for fully functionality of the machine shall be supplied (if applicable) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manufacturer ISO 9001 or ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 5: Digital Pathology slide Scanner**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 5: Digital Pathology slide Scanner** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Magnification: ≥ 40 x | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Scan throughput: ≥ 60 slides/hour | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Scan resolution: ≤  0.5 µm/pixel | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Scan output: Dicom, tiff | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Slide loading capacity: Automatic continuous loading; ≥  200 slides. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Focus method: Dynamic | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Volume scan: ≥ 15 layers | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Auto calibration: Required | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Display: Digital | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Operation: Inbuilt computer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Colour profile generation: ICC colour standard | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Barcode scanner: Required | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories should be part of the product i,e All standard accessories, software (if applicable), which are required to fully function of the machine shall be supplied | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Training: Complete training on operation and maintenance of instrument is required for officers in the lab at instrument site | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Installation Service Requirement: The bidder should provide installation, testing, Calibration and commissioning service according to manufacturer instruction at the final destination. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manufacturer ISO 9001 or ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 6: Automated Liquid-based Cytology (LBC)**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT6: Automated Liquid-based Cytology (LBC)** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Design: Benchtop/floor standing | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Operation: Automated | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample capacity: ≥ 48 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample type: Cervical, urine, body fluids | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Automated sample preparation unit** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample mixing: Automated | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Cell collection mechanism: Centrifugation/filtration | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Reagent dispensing: | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample transfer: Automated transfer of cell suspension | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Automated slide processing unit** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Operation: Integrated/inbuilt interface | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Contamination control: Enclosed system | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Smear circle: ≥ 12 mm | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Following items should be supplied for 500 test** | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (i) Tips | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (ii) Centrifuge cup | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iii) Slide | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (iv) Specimen bottles | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (v) Cyto brushes | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| (vi) Waste collection tank | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-400 V, 50-60 Hz, European plug, single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | All standard accessories and softwares which are required to fully function the machine shall be supplied | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Training: Complete training on operation and maintenance of instrument is required for officers in the lab at instrument site | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Installation Service Requirement: The bidder should provide installation, testing, Calibration and commissioning service according to manufacturer instruction at the final destination. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Manufacturer ISO 9001 or ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 7: Integrated Clinical Chemistry Analyzer with immune assay**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 7: Integrated Clinical Chemistry Analyzer with immune assay** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Type: self stand on ground, open system | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Chemistry menu capacity; On board >/= 60,Programmed >/= 100 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Test throughput > 1600 tests/hr., with emergency mode | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Measurement principle – End point, kinetic, rate, immune turbidometric, | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| System interface – Bidirectional | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Calibration methods/type – single point, 2 point, multipoint, linear or non-linear calibration. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| QC methods – QC mode with 3 level method | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Reagent capacity > 50 on board, with barcode reagent feature. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Reagent compartment temperature: Adjustable +2-+8 deg C. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Reaction crossed temperature 37 deg C. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample type: Serum/plasma, urine, CSF, whole blood if needed. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample container type – Test tube and sample cup | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample container size – Test tube 3ml-10ml, Sample cup – 0.5ml – 2ml | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample database >5,000, including External HDD for data storage and transfer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample input/output – continuous loading | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample management capacity >70 sample input | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Minimum sample volume/test - 3µL | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Water requirements – Treated (Deionized) water | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| System supplied with; | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| i) 1 x PC: CPU (>8GB RAM, 500 GB hard), LCD/LED/OLED Monitor (>17''), with Windows XP or highest licence software. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| ii) Upgradable instrument software (all system module) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| iiI) 1x UPS with 30 minute battery life, which is compatible with the quoted model | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| IV) 1x printer, which is compatible with the main unit | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| V) Water deionizer, compatible with the main unit. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50-60 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories, software and start up kits/ reagents which are required for fully functionality of the machine shall be supplied (if applicable) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Training: Complete training on operation and maintenance of instrument is required for officers in the lab at instrument site including training document. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Installation Service Requirement: The bidder should provide installation, testing, Calibration and commissioning service according to manufacturer instruction at the final destination. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Manufacturer ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**LOT 8: Hematology analyzer**

| **UNOPS minimum technical requirements** | | ***Is your product compliant with UNOPS Minimum Requirement(Yes/No)*** | ***Technical specification of goods offered by bidder*** | ***Remark (note for deviation and description of additional document attached with bidder offer)*** |
| --- | --- | --- | --- | --- |
| **LOT 8: Hematology analyzer** | | **These columns must be completed fully by bidders** | | |
|  | **Brand** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Model** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Manufacturer** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | **Country of Origin** |  | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| **Technical Specification** | Used to Determine : Red blood cell(RBC), White blood cell(WBC), Hemoglobin(HGB),  Haematocrit(HCT), Mean cell volume(MCV), Mean cell hemoglobin(MCH), Red cell  distribution(RDW-SD and RDW-CV), Platelets(PLT),Platelet distribution(PDW-SD and PDW-CV), Mean platelet volume(MPV), differential leucocytes (Leucocyte count with 3 part differential) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Menu capacity >20 tests per sample | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Test throughput – minimum 60 samples/hr | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Measurement principle – Impedance, spectrophotometry for hemoglobin | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| System interface – unidirectional, bidirectional | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Calibration methods – 5 different calibration | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| QC methods – 3 level QC, and continuous supply of the QC standard material | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Reagent compartment temperature – 16 to 34 deg C | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample type – whole blood and body fluid | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample container type – Test tube 2ml-6ml | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample container size – Test tube 2ml-5ml | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample database >5000 | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Single-manual and batch-autoloader options | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Sample management capacity – Test tube and sample cup | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Minimum sample volume/test – 50ul or less | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| System supplied with; | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| i) 1 x PC: CPU (>8GB RAM, 500 GB hard), LCD/LED/OLED Monitor (>17''), with Windows XP or highest licence software. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| ii) Upgradable instrument software (all system module) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| iiI) 1x UPS with 30 minute battery life, which is compatible with the quoted model | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| IV) 1x printer, which is compatible with the main unit | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Power supply: 220-240 V, 50-60 Hz, European plug, Single phase main supply | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| All standard accessories, software and start up kits/ reagents which are required for fully functionality of the machine shall be supplied (if applicable) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Training: Complete training on operation and maintenance of instrument is required for officers in the lab at instrument site including training document. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Installation Service Requirement: The bidder should provide installation, testing, Calibration and commissioning service according to manufacturer instruction at the final destination. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Warranty: 2-year comprehensive warranty for the system should be provided from the manufacturer | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Should have a local agent/dealer If not, it has to commit/agree to arrange a local agent/dealer within three weeks after award. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
| Manuals: One set of operation manual and service manual (English language) should be supplied with instrument. | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | Manufacturer ISO 13485 certificate (English version should be provided with offer) Certificate should be issued by Conformity Assessment Bodies (CABs), Notified or Accredited bodies by the International Accreditation Forum (IAF) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
|  | The product should be USFDA approved or comply with CE (Conformity of Europeans via notified body or Declaration of conformity or any equivalent certificate from any of the founding members of GHTF countries: Australia, Canada, Japan) | ☐ Yes ☐ No | Insert details of goods offered, including specifications and brand/model offered if applicable |  |
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**C. Delivery and sustainability requirements- Comparative Data Table**

| **UNOPS Requirements** | | **Is Bid compliant? Bidder to complete** | **Details**  **Bidder to complete** |
| --- | --- | --- | --- |
| **Delivery Time per Lot** | Bidders must deliver the goods within 60 Days under FCA as per Incoterms 2020 after Contract signature.  Bidders must deliver the goods within 90 Days under DAP term as per Incoterms 2020 after Contract signature.▬ **Pass or Fail** | **☐ Yes ☐ No** | **Insert details of goods offered, including specifications and brand/model offered if applicable** |
| **Delivery place and Incoterms rules** | Armauer Hansen Research Institute, Addis Ababa, Ethiopia. Incoterms rules as per Incoterms 2020. UNOPS reserves the right to award FCA/DAP incoterm ▬ **Pass or Fail** | **☐ Yes ☐ No** | **Insert details of goods offered, including specifications and brand/model offered if applicable** |
| **Consignee details** | Ministry of Health (MoH)  Address: Addis Ababa, Ethiopia  City: Addis Ababa | **☐ Yes ☐ No** | **Insert details of goods offered, including specifications and brand/model offered if applicable** |
| **Sustainability Requirement 1** | The bidders shall provide documentation that details their approach to ensuring equal opportunity, diversity, and inclusion within their organisation (e.g. equal pay policy, parental leave, the ratio of female to male employees, % of females in management positions, grievances disaggregated by gender, transparency of promotion criteria, sexual harassment policies). Bidders are encouraged to take the WEPs Gender Gap Analysis Tool to identify strengths, gaps, and opportunities to improve their performance on gender equality. ▬ **Pass or Fail** | **☐ Yes ☐ No** | **Insert details of goods offered, including specifications and brand/model offered if applicable** |
| **UNOPS Right to vary requirements** | Bidders confirms to vary “UNOPS Right to vary Requirements” at the time the Contract is awarded, UNOPS reserves the right to vary the quantity of the goods and associated services specified above, provided this does not exceed **+/- 20%**, without any change in the unit prices or other terms and conditions of the RFQ ▬ **Pass or Fail** | **☐ Yes ☐ No** | **Insert details of goods offered, including specifications and brand/model offered if applicable** |

Inspections and tests

The following inspections and tests shall be performed:

UNOPS or its representative reserve the right to inspect and/or test any or all items of the goods to confirm their conformity to the contract, prior to dispatch from the manufacturer’s/supplier premises. Such inspection and clearance will not prejudice the right of the consignee to inspect and test the goods on receipt at destination.

If the goods fail to meet the laid down specifications, the supplier shall take immediate steps to remedy the deficiency or replace the defective goods to the satisfaction of the purchaser.

The offered goods and related services (if applicable) are in accordance with the required specifications and requirements specified in Section II: Schedule of Requirements.

☐ Yes ☐ No

ANY DEVIATION MUST BE LISTED BELOW:

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I, the undersigned, certify that I am duly authorised by [insert full name of bidder] to sign this bid and bind [insert full name of bidder] should UNOPS accept this bid:

Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Title : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_