Ethiopian Pharmaceutical Supply Service

Ref.No: EPSS/06/1161/24

Date: 16 JUL 2024

To: All Participants of tender with Ref. No. ET-MOH-412000-GO-RFB

Subject: - Clarification on Tender with Ref. No.ET-MOH-412000-GO-RFB

Dear Sir/Madam;

We highly appreciate your interest to participate on the tender captioned above and reference is made to your kind request.

We hereby clarify the technical specification as per the attachments.

We hope the attached points will clarify your request.

N.B:- All the Other terms and conditions will remain the same.

With Best Regards

Tibebu Hailu Mogessie
Pharmaceuticals & Medical
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Management Director
P/Director

ETHIOPIAN PHARMACEUTICAL SUPPLY SERVICE

Inc: 2 Pages

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Lot 1: Microscope

Item 1: Fully Automated Inverted Fluorescence Microscope

1. **Stage**
   a. Requesting a microscope that can support both Manual and Motorized Stages but may not be in simultaneous operation. We are requesting a microscope which has a second option of stage adjustment in case if automated motorized staging system gets failed, other with it is a microscope with motorized XY stage specifically, we are requesting a fluorescence microscope which support fast, accurate movements, precise imaging and long holding stability stages. Need to be convenient for placing different study sample/specimen size or support flexible sample holder design.
   b. The fluorescence microscope needs to be equipped with different dishes which can allow the placement of different sample specimens on the appropriate point of the stage. It depends on manufacturers designs. Fluorescence microscope equipped with all types of dishes which support placement of different sample specimens is preferable.

2. **Objectives: i.e. Objective lenses**
   a. We are requesting fluorescence microscope with combination objectives. That means six different objective lens with magnification objective(with 6 unite objective lenses with magnification 4/or5X, 10X, 20X, 50X/or 40X, 60X,100X or better with different colors)
   b. Objective Lenses: Requesting one additional objective lens for each type of objective lens i.e 6*2=12
   c. Objective (with 6 unit lenses: 4/or5X, 10X, 20X, 50X/or 40X, 60X,100X or better with different colors)
   d. Magnification options should be supported with air, water, silicon oil, Glycerol, Oil or multi-immersion medias which should support examination of different types of samples(oily and watery)
3. **Differential interference contrast (DIC) and Phases Contrast:**
   a. Phase contrast observation: with magnification of 4/or5X, 10X, 20X, 50X/or 40X, 60X,100X Need to support specimens view in bright field or dark field, and simultaneous observation with reflected light fluorescence microscope
   b. Differential interference contrast (DIC) observation. With magnification of 4/or5X, 10X, 20X, 50X/or 40X, 60X, 100X.
4. **Illumination Fluorescence:**
   - ❖ LED illumination, Brightness, Adjustable, Plan-concave, Mirror, Mercury lamp, Xenon lamp/Halogen lamp, Should be equipped both florescence and transmitted /Transmitted and reflected for both light sources;

Need to be equipped with LED illumination, Top and bottom LED illumination with an independent control. Fluorescence microscope supported with Multi-Fluorescence imaging for both wide filed and confocal microscope.

- The light sources should be stable, long lasting LED/solid state light source, with granted life time of minimum of 20,000 hours.
- The light source should have independent LED for different wave lengths (i.e 365/385/395nm, 430/435/445nm, 475/488/490nm, 511/514/525nm, 550/555561nm, 575/590/594/595nm, 630/635/640nm…)
- Optical light source with lamp brightness adjustor
- Illumination should be thought light-emitting diode (LED source)

Item 2: Fully Automated Environment Controlled Scanning Electron Microscope

- Environmental scanning electron microscope (ESEM): It is a recent development of the environmental scanning electron microscope (ESEM) addresses the need to examine specimens under conditions as close as possible to their "natural" conditions, with a minimum of sample preparation. Environmental scanning electron microscope (ESEM) is generic and scientific name, there in connection with any brand or manufacturer.
    - Request 2,3,4,5 and 6 were clearly addressed by the specification/bid document

Item 3: Fully Automated Inverted Microscope

Inverted Microscope: Should be suitable for microscopical offer observation/analysis of all biological sample (Cell, Tissue, fluid, call component) and chemical existed in the form of liquid, solid and semi-solid physical state inverted microscopes are a valuable type of equipment for laboratory cell analysis, parts of cells that offer accurate, precise imaging solutions.

a. The microscope should be equipped with 6 (six) different objective that can manually and automatically rotatable.
b. The requested automated inverted microscope with combination objectives and with alternative phase contrast and DIC. That means six different objective lens with magnification 4/or5X, 10X, 20X, 50X/or 40X, 60X, 100X or better with different colors).