Statement of Work

I. Introduction

The purpose is to procure two BX53 Olympus Microscope critical to patient care service at BG Crawford F. Sams Army Clinic, Camp Zama, Japan. The contractor shall supply all items, services, and delivery functions necessary to meet the requirements described herein, in accordance with standard commercial practices.

II. Description of Supplies/Equipment

The contractor shall provide commercially available items meeting the following requirements:

1. Item Name: BX53 System Microscope

2. Quantity: 2

3. Specifications: Binocular microscope. Equipped with plan achromatic objectives to suit work in brightfield, phase contrast, darkfield, photomicrography, dual viewing and projection screen. Microscope has a high light intensity, 100-watt halogen lamp, for constant color temperature and illumination, a three-step variable transformer, focusable aspheric abbe condenser system; heat absorbing glass; centerable field diaphragm; two built-in filter turrets permitting a combination of selective light balancing and color compensating filters. Other components/features include a swing-in condenser, 4X objective, quadruple nosepiece, 10X wide field eyepieces and a graduated stage. Other observation tubes can be added. It is used in laboratories for cell counting and other observation techniques.

The BX53 Olympus Microscope must meet the following salient physical, functional, and/or performance characteristics:

- Optical system:
    a. UIS2/UIS (Universal Infinity System) optical system (featuring infinity correction)

- Illumination:
    a. Built-in transmitted Koehler illumination
    b. FN (Field Number): 26.5 (super-widefield compatible)
    c. 12V, 100W long-life halogen bulb (pre-centered) 12V100WHAL-L (PHILIPS 5761)
    d. (Average lifetime: Approximately 2,000 hr. when used as directed)
    e. Light intensity voltage range: 2 V or less to 12.0 V DC (continuous)
    f. Light intensity preset button (voltage adjustment range: 2 V or less to 12.0 V DC)
    g. Rated voltage: 100-120/220-240 V $, 1.8/0.8 A, 50/60 Hz
    h. Power consumption: 140 W

- <u>Focusing:</u>
    a. Stage height movement by roller guide (rack & pinion)
    b. Stroke per rotation: 0.1 mm (fine), 17.8 mm (coarse)
    c. Full stroke range: 25 mm
    d. Upper limit stopper
    e. Tension adjustment on coarse focus adjustment knob

- Revolving nosepiece:

Type	U-5RE-2	U-D6RE	U-P6RE	U-D7RES
	5-position revolving nosepiece	Universal 6-position revolving nosepiece	Universal 6-position centered revolving nosepiece	7-position revolving nosepiece with readout function
Installable modules	None	Transmitted DIC prism, transmitted light analyzer	Transmitted DIC prism, transmitted light analyzer	Transmitted DIC prism, transmitted light analyzer

- Observation tube:

Type	U-BI30-2	U-BI-3/ U-TBI-3-CLI	U-TR30-2	U-TR30NIR	U-TTR-2	U-SWTR-3
	Widefield binocular tube	Widefield binocular tube	Widefield binocular tube	Widefield binocular tube	Widefield binocular tube	Super widefield trinocular
Field No.	22	22	22	22	22	26.5
Tube inclination	30°	5°-35° continuous	30°	30°	5°-35° continuous	30°
Interpupillary distance adjustment	50 mm to 76 mm	50 mm to 76 mm	50 mm to 76 mm	50 mm to 76 mm	50 mm to 76 mm	50 mm to 76 mm
Light path selector	None		3 steps: 1. BI 100% 2. BI 20%, Camera 80% (BI 50%, Camera 50% for U-TR30NIR and U-TIR-2) 3. Camera 100%			

- Stage:

Type	U-SVRB-4	U-SVLB-4
	Common-axis knobs on bottom right	Common-axis knobs on bottom left
	Rectangular ceramic-coated, wire-driven stage	
Size	156 mm (D) x 191 mm (W)	
Movement mechanism	X- and Y-axis knobs with adjustable tension. Movement range: 52 mm in vertical (Y) direction, 76 mm in horizontal (X) direction	
Specimen holders (single slide holder)	U-HLST-4 (thick slide holder) U-HLS-4 (thin slide holder)	
Specimen holders (double slide holder)	U-HLDT-4 (left opening, thick slide holder) U-HLD-4 (left opening, thin slide holder)	U-HRDT-4 (right opening, thick slide holder) U-HRD-4 (right opening, thin slide holder)

- Condenser

Type	U-LC	U-AC2	U-SC3	U-AAC
	Low magnification	Abbe	Swing-out	Achromat/ Aplanat
N.A	0.75	1.10	0.9-0.1	1.40
Aperture iris diaphragm	With numerical aperture scale			
Objective range	2X - 60X (for FN 26.5 widefield)	4X (for FN 22 widefield), 10X - 100X (for FN 26.5 super widefield)	1.25X (for FN 22 widefield), 2X - 100X (for FN 26.5 super widefield)	10X - 100X (for FN 26.5 super widefield)

- Operating environment
    a. Indoor use
    b. Altitude: Max. 2000 meters
    c. Ambient temperature: 5° to 40°C (41° to 104° F)
    d. Maximum relative humidity: 80% for temperatures up to 31°C (88°F), decreasing linearly through 70% at 34°C (93°F), 60% at 37°C (99°F), to 50% relative humidity at 40°C (104°F)
    e. Supply voltage fluctuations; Not to exceed ±10% of the normal voltage
    f. Pollution degree: 2 (in accordance with IEC60664-1)
    g. Installation/Overvoltage category: II (in accordance with IEC60664-1)

The items must conform to the specifications provided by the industry standard and include any manufacturer's literature or documentation that verifies conformance.

III. Delivery Requirements

1. BX53 microscopes must be delivered to the delivery location.

Delivery Location:
USA MEDDAC-JAPAN
ATTN: MCJP-LD/HT0899, LOGISTICS DIVISION
BLDG 721
APO, AP 96343-5011

Delivery Schedule:
Items shall be delivered 60 days after receiving receipt of order.

Packaging & Marking:
Items should be packaged according to commercial standards to protect against damage during transit.
All shipments must be clearly marked with the contract number and item description.

IV. Quality Assurance & Inspection

Conformance:
All items shall be new, commercially acceptable, and conform to the performance specifications provided.

Inspection & Acceptance:

The Government reserves the right to inspect all deliveries at the point of receipt. Non-conforming items will be rejected and may be subject to replacement or repair at no additional cost.

Warranties:
All items must be covered by the manufacturer's warranty. The contractor shall provide warranties for the items that will perform as described for a period of 12 months.

V. Invoicing and Payment

Wide Area Work Flow (WAWF) POC:
[redacted]

CAMP ZAMA	
Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	HQ0671
Issue By DoDAAC	HT9410
Admin DoDAAC**	HT9410
Inspect By DoDAAC	N/A
Ship To Code	HT0899
Ship From Code	N/A
Mark For Code	N/A
Service Approver (DoDAAC)	HT0899
Service Acceptor (DoDAAC)	HT0899
Accept at Other DoDAAC	N/A
LPO DoDAAC	N/A
DCAA Auditor DoDAAC	N/A
Other DoDAAC(s)	N/A

Invoices must reference the contract number and be submitted in accordance with the terms of the contract.

VI. Points of Contact

Government POC:

[redacted]

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