

SUPPLY ORDER
(Stores to be despatched by CARGO MODE only)

No. RCB/EQ/135/16-17/PK(DBT) (IMP)

31 Mar 2017

M/s.Olympus Corporation
Shinjuku Monolith,3-1 Nishi-Shinjuku 2-Chome,
Shinjuku-Ku, Tokyo- 163-0914, Japan

Through Indian Agent
M/s.DSS Imagetech Pvt. Ltd.
A-5, Mohan Co-operative Industrial
Estate, Mathura Road, New Delhi-
110044
Ph:- 01130886715 E-
mail.sales@dssimage.com

Dear Sir,

Please dispatch immediately by first flight preferably by Air India the following items as per Indian Agent Quotation No.DSS/DL/HS/16-17/101 dated 03.03.2017 and offer letter No. Dated Nil against Tender No.ATN/35/16-17/ towards supply of following items, price as mentioned there in to the laboratory of our Institute. We are pleased to place order for supply / installation of the same as per the details and terms & conditions given below:

Trinocular Mono Zoom Fluorescence Microscope Model Olympus MVX10 with High Speed & High Resolution Colour Cooled Camera Model Olympus DP74 (1 Unit)

Basic Desp.	OT code	Product Name	Description	Qty
MVX10 Zoom Body with Motorised Focusing				
Zoom Body	N1564600	MVX-ZB10	MVX zoom body. Mono-zoom variable magnification system, Zoom ratio 1:10 (0.63x-6.3x), Aperture iris diaphragm Built-in. Zoom Body employs a single-zoom optical path with a large diameter, which is optimized to collect light with unprecedented efficiency and resolution at all magnifications. From fluorescent observation of whole organisms such as zebrafish at low magnification to the detailed observation of gene expression at the cellular level at high magnification — the MVX10 helps you to see it all.	1
Motorised Focusing Unit	N2673900	SZX2-FOA	Motorized focus unit.	1
Cord	N2659700	U-ACAD4515	Power cord for U-CFU, MM6-CFU, BXFM-A, SZX-FOA2/SZX2-FOA, SZX2-ILLT	1
Control Unit	N2674100	SZX2-MDCU	Control unit for SZX2-ZB16A or SZX2-RFA16A or SZX2-FOA	1
Hand Switch	N2664500	SZX-MDHSW	Hand switch It has four keys, which are zoom up, zoom down, focus up and focus down.	1

Tilting Trinocular Observation Tube with Objective				
Tilting Trinocular Head	N1563400	MVX-TTRS	Tilting trinocular head for MVX that allows switching between standard and stereo observation. Tilting angle 0°-23°continuously variable system, Light path selection 2-step binocular 100%/photo 100%	1
Eyepieces	N4257700	WHN10X-H	Widefield eyepiece 10X, focusable F.N. 22	2
Plan Apochromat 2X	N1564300	MVPLAPO2XC	Parfocal Plan Apochromat 2x objective lens for MVX, Total Magnification 12.5x-125x, Working Distance 20mm, N.A.0.5. In-built correction collar allowing aberration correction when imaging through plastic vessels, or up to 5 mm of water. Resolution 1500 lines per mm.	1
Cover	N1133300	COVER-020	Dust cover Type 020 for IX2,MVX10 (L 620mm x W 250mm x H 660 mm)	1
Stand	N2191100	SZX2-STL	Large stand with large base having pillar of 400 mm height and base dimensions of 400(W) x 350(D) x 28(H) mm.	1
Plate	6400900	SP-FL	Stage plate for fluorescence	1
Episcopic (Reflected) Light Illumination System (Life ~ 50,000 hrs)				
LED Illuminator	N5222100	SZ2-CLS	COMPACT LED LIGHTGUIDE ILLUMINATOR	1
Adaptor	N5222800	SZ2-CLSSTAD	CLS STAND ADAPTOR	1
Stand	N5222700	SZ2-CLSST	CLS STAND	1
Dual Fiber Optic	N5222500	SZ2-CLGDI	DUAL INTERLOCK LIGHT GUIDE	1
Collector lens	N5222900	SZ2-CLGCL	COLLECTOR LENS	2
Fluorescence Attachment				
FL Illuminator	N1563600	MVX-RFA	Coaxial fluorescence illuminator for MVX, with 4-position turret.	1
130W Mercury Lamp	N4224900	U-HGLGPS	Light source for fluorescence observation including mercury-halide burner (1 pc). Corresponding to RoHS & WEEE regulation. Light source: High-pressure mercury-halide 130 W lamp with reflector (1 No. SHI-130OL in each U-HGLGPS Illuminator), <i>Intensity adjustment : 100, 50, 25, 12, 6, 3, 0%. Life: 2000 hrs</i>	1
Light Guide	N4226700	U-LLG150	Fibre/Liquid light guide for U-HGLGPS. Corresponded to RoHS regulation .	1

Adaptor	N4226900	U-LLGAD	Microscope adapter for liquid light guide. Corresponded to RoHS regulations.	1
Cord	1460800	UYCP-14	Power Cord	1
Fluorescence Filters				
DAPI Filter		DAPI-5060C-UO2	EX: 352 - 402 nm, DM: 409 nm, EM: 417 nm - 477 nm	1
GFP Filter	N1563800	U-MGFPHQ/XL	Fluorescence mirror unit for GFP, Exciter filter BP460-480, Dichroic mirror DM485, Barrier filter BA495-540	1
RFP Filter	N1564000	U-MRFPHQ/XL	Fluorescence mirror unit for RFP, Exciter filter BP535-555HQ, Dichroic mirror DM565HQ, Barrier filter BA570-625HQ	1
C Mount Adapter				
Video Adapter	N2757400	U-TV1X-2	Direct image video port	1
C-mount	N2757000	U-CMAD3	C mount adapter	1
Olympus DP74 Colour Cooled Camera (for both color & fluorescence imaging)				
20.7 Mega Pixels Colour Cooled CMOS Camera	N5667400	DP74	<p>20.7 Mega Pixels Colour Cooled CMOS Camera with Global Shutter</p> <p>Large Sensor size : 1/1.2 inch</p> <p>Pixel size : 5.86 x 5.86 μm</p> <p>A/D Conversion : 12 bit</p> <p>Live frame rate of up to 60 frames per second</p> <p>Cooling system : Peltier Device</p> <p>Auto exposure facility</p> <p>Camera mount : C-mount</p> <p>Automatic adjustment of exposure time to capture crisp fluorescence images.</p> <p>At high magnifications helps the user to keep a track of their location within the sample.</p>	1

Olympus cellSens Image Analysis Software

cellSens Dimension	N5184200	CS-DI-V1	cellSens Dimension Software for image capturing, motorization control, multichannel fluorescence, Instruction manual, user experience customization, overlay multiple images, document groups for side by side image comparison, movie playback, Tile image, slice view for orthogonal plane viewing of 3D or time lapse data sets, Voxel viewer for isosurface and volumetric rendering of 3D and 4D data sets, snap /movie acquisition, <i>time-lapse at specific intervals</i> , <i>Automated multi-channel imaging</i> , <i>live comparison</i> , <i>Z stack</i> , <i>automated 5-dimensional (xyzt & wavelength)</i> , Automated Multiple image alignment (MIA), Instantly create <i>Extended focal images (EFI)</i> , <i>High Dynamic Range Imaging (HDR)</i> , Geometry/combine/filter processing, <i>Fluorescence unmixing</i> , Brightfield unmixing, <i>Colocalization</i> , post acquisition deblurring, <i>2D deconvolution</i> (basic deconvolution), <i>region & line measurements</i> , <i>live deblurring</i> , phase analysis, interactive measurements, Image processing, intensity plot over time/z, movie recording, object counting, offline ratio analysis, automatically compose word report.	1
DVD	N5185700	CS-DVD-V1.9	cellSens DVD V1.9 Installation Disc DVD, Install Manual	1

SZX10 Zoom Body				
Zoom Body	N1977200	SZX2-ZB10	10:1 zoom microscope body with aperture stop. <i>With Parallel/Galilean Optical system. Upgradable to fluorescence, drawing attachment, motorised focusing, etc.</i>	1
Focusing Unit	N1979000	SZX2-FOFH	Fine coarse focusing unit for heavy loading	1
Trinocular Observation Tube with Objective				
Trinocular Head	N1979200	SZX2-TR30PT	30 degree trinocular tube, light path distribution of binocular 100%/Photo 100%. Interpupillary distance adjustment range of 52-76 mm.	1
Eyepieces	N1198000	WHSZ10X-H	Eyepiece 10X with ESD capability, F.N. 22, focusable	2
1X Objective	5036500	SZX-ACH1X	Achromat objective 1X, W.D. 90mm & N.A. 0.1	1
Cover	N2208400	COVER-016	Dust Cover	1
Large Stand with Dual Side-by-Side Observation Tube				
Stand	N2191200	SZX2-STL2	Large stand with large base having pillar of 400 mm height and base dimensions of 500 (W) x 350 (D) x 424 (H) mm.	1
Plate	N1220700	SZ2-SPBW	Black and white reversible stage plate	1
Discussion Tube	N2674200	SZX-SDO2	Side-by-side dual viewing discussion tube with a distance of 650 mm between the primary and the secondary observer. Built-in two color (Red & Green) arrow pointer with color switching facility and intensity control facility. The image orientation (erect image), eyepoint height and maximum field of view is same at both the primary and secondary observer's positions	1
BI Tube	N1200400	SZX-BI45	Binocular observation tube	1
Eyepieces	N1198000	WHSZ10X-H	Eyepiece 10X with ESD capability, F.N. 22, focusable	2

Episcopic (Reflected) Light Illumination System (Life ~ 50,000 hrs)				
LED Illuminator	N5222100	SZ2-CLS	COMPACT LED LIGHTGUIDE ILLUMINATOR	1
Adaptor	N5222800	SZ2-CLSSTAD	CLS STAND ADAPTOR	1
Stand	N5222700	SZ2-CLSST	CLS STAND	1
Dual Fiber Optic	N5222500	SZ2-CLGDI	DUAL INTERLOCK LIGHT GUIDE	1
Collector lens	N5222900	SZ2-CLGCL	COLLECTOR LENS	2
Olympus Colour Camera				
3.1 MP Colour Camera	E9700798	LC30	Olympus LC30 - 3.1 Mega Pixels Colour camera, sensor size: 1/2 inch, pixel size 3.2 x 3.2 um, live frame rates: 10 fps at full resolution, up to 49 fps (binning), binning: 2x, 3x, 4x; USB interface.	1
Olympus LC-Micro Image Analysis Software				
Software		LC-Micro	<ul style="list-style-type: none"> • Software for Bright-Field, Phase Contrast, Polarizing, Dark Field, DIC applications. • Camera control including RGB/Grey Scale, White balance, Focus indicator, adjust display, toggle bit depth, gain, exposure compensation, ROI etc. • Intuitive icon-driven image acquisition workflow • Automatic exposure, live and captured images, adjustment of exposure time, setting resolution and input comment in image. • Calibration feature for quick spatial calibration. • Image enhancement features, mirror image, pseudo color, shading correction, zoom, unzoom, etc. • Image processing features such as enlarging and reducing the image size, annotations, drawing, arrow, circle, free handed etc, measurements. 	1

Trinocular Stereozoom Microscope Model Olympus SZ61 (1 Unit)

Basic Desp.	OT code	Product Name	Description	Qty
SZ61 Zoom Body				
Zoom Body	N1197500	SZ61TR	Microscope body with 0.67-4.5X zoom optics, and 45 degrees inclination trinocular tube (C-mount). Interpupillary distance adjustment range of 52 to 76 mm. Greenough Optics. Working distance of 110 mm.	1
Eyepieces	N1198000	WHSZ10X-H	Eyepiece 10X with ESD capability, F.N. 22, focusable	2
2X Objective	N2165400	110AL2X	2X Objective with W.D. 38 mm. Gives total magnification of 90X in combination with 10X eyepieces.	1
Cover	6498500	COVER-015	Dust Cover	1
Stand	N1199700	SZ2-ST	Stand with ESD capability	1
Plate	N1220700	SZ2-SPBW	Black and white reversible stage plate	1
Episcopic (Reflected) Light Illumination System (Life ~ 50,000 hrs)				
LED Illuminator	N5222100	SZ2-CLS	COMPACT LED LIGHTGUIDE ILLUMINATOR	1
Adaptor	N5222800	SZ2-CLSSTAD	CLS STAND ADAPTOR	1
Stand	N5222700	SZ2-CLSST	CLS STAND	1
Dual Fiber Optic	N5222500	SZ2-CLGDI	DUAL INTERLOCK LIGHT GUIDE	1
Collector lens	N5222900	SZ2-CLGCL	COLLECTOR LENS	2

Binocular Stereozoom Microscope Model Olympus SZ61 (3 Units)

Basic Desp.	OT code	Product Name	Description	Qty
SZ61 Zoom Body				
Zoom Body	N1197500	SZ61	Microscope body with 0.67-4.5X zoom optics, and 45 degrees inclination binocular tube (C-mount). Interpupillary distance adjustment range of 52 to 76 mm. Greenough Optics. Working distance of 110 mm.	3
Eyepieces	N1198000	WHSZ10X-H	Eyepiece 10X with ESD capability, F.N. 22, focusable	6
2X Objective	N2165400	110AL2X	2X Objective with W.D. 38 mm. Gives total magnification of 90X in combination with 10X eyepieces.	3
Cover	6498500	COVER-015	Dust Cover	3
Stand	N1199700	SZ2-ST	Stand with ESD capability	3
Plate	N1220700	SZ2-SPBW	Black and white reversible stage plate	3
Episcopic (Reflected) Light Illumination System (Life ~ 50,000 hrs)				
LED Illuminator	N5222100	SZ2-CLS	COMPACT LED LIGHTGUIDE ILLUMINATOR	3
Adaptor	N5222800	SZ2-CLSSTAD	CLS STAND ADAPTOR	3
Stand	N5222700	SZ2-CLSST	CLS STAND	3
Dual Fiber Optic	N5222500	SZ2-CLGDI	DUAL INTERLOCK LIGHT GUIDE	3
Collector lens	N5222900	SZ2-CLGCL	COLLECTOR LENS	6

CIF New Delhi Airport JPY 3,366,226.00
(JPY thirty three lakh sixty six thousand two hundred and twenty six only)

Locally Supplied items as under:-

		Description of items	Unit	Price (Rs.)
Data collection & Processing Unit	Computer System	Branded Computer system with i5 processor, 8 GB RAM, 500 GB HDD, Genuine Windows 10 64-bit OS, DVD RW, 19" TFT Monitor, Keyboard, Mouse	01	56,000.00
Data collection & Processing Unit	Computer System	Branded Computer system with i5 processor, 4 GB RAM, 500 GB HDD, Genuine Windows 10 32-bit OS, DVD RW, 19" TFT Monitor, Keyboard, Mouse	01	54,000.00
3 KVA branded online UPS with 15 minutes backup for all the quoted systems.			01	38,000.00
Grand total				1,48,000.00

Locally Supplied items FOC as under:-

A pair of 20X eyepiece	Free of Cost
21 inch color TFT Monitor in place of quoted 19 inch monitor x2 units	Free of Cost
Branded color printer	Free of Cost

Comprehensive warranty. At site for 02 (Two) years from the date of successful installation and demonstration of the equipment.

Post Warranty CMC : CMC will be at Rs.60,000/- per annum after expiry of warranty period for subsequent 3 years. The CMC to be entered separately after expiry of warranty period.

Payment terms: 100% by Wire Transfer after successful installation and submission of 10% PBG for 27 months from the date of successful installation (3 months beyond the warranty period).

Delivery Period: Within 08 weeks from the date of issue of supply order. However, shipment should be effected only after clear written confirmation from the RCB about the readiness of the site. Shipment is to be made directly to our Institute and copy of invoice and Bill of Lading should be sent along with the shipment to Executive Director, Regional Centre for Biotechnology NCR Biotech Science Cluster, Faridabad, District Faridabad (Haryana) 121001

Indicate following instructions on the Air way Bill:-

1. Please inform consignee well in advance 5 days prior to shipment, alongwith all connected documents (Invoice, packing list, AWB etc.) on email ksingh@rcb.res.in and mohan_gandhi@rcb.res.in.

Please Note: The supplier is requested to provide all relevant documents/pre-alert shipping documents, 5 days in advance, before arrival of shipment at port so that our appointed CHA take necessary action well in time, otherwise, the supplier and Indian agent of the firm will be held responsible and all the additional charges imposed upon the Importer as levied by the customs as per their latest Notification No.26/2017-Customs(N.T.) dated 31 March 2017 shall be recovered from the supplier/their Indian agent

2. Please arrange to install the equipment immediately on arrival and submit the installation report to Purchase office. Ensure Air way Bill details must be informed to us Fax +91-129-2848813 or through email ksingh@rcb.res.in, at least 5 days before arrival of shipment at New Delhi. The Phone no and Fax no: to be mentioned on Air way Bill. **Acknowledge the order.** Please feel free to contact via email: mohan_gandhi@rcb.res.in in case of query.

3. In addition to the above all terms and conditions as per Tender No RCB/ATN/35/16-17 shall govern and be binding on the supplier.

Yours Sincerely,


(V.M.S. Gandhi)
Administrative Officer

Note: The supply order is subject to standard terms and conditions of RCB as per Annexure-I.

(a) Supplier Copy

(b) Inventory Section

(c) Concern User/Department (1595)

(d) Office Copy

