

ALL INDIA INSTITUTE OF MEDICAL SCIENCES  
ANSARI NAGAR, NEW DELHI-29  
STORES SECTION (DO)

Ref. No. 44/Stores(DO)/Anat/PAC/2019-20/FSC      Dated-17/01/2020

Sub:- Purchase of "Neuronal tracking and analysis & Sterology-based Image Analysis Workstation – 01 No." for the Department of Anatomy at AIIMS, New Delhi-110029, on proprietary basis Inviting comments thereon.

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The Institute is in the process to purchase "Neuronal tracking and analysis & Sterology-based Image Analysis Workstation – 01 No. at AIIMS, New Delhi from M/s. MBF Bioscience, USA through M/s. Olympus Medical Systems India Pvt. Ltd. New Delhi. The PAC Certifications by MBF Bioscience, USA through as well as the user department are attached.

The above documents are being uploaded for open information to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within 15 day from the date of issue/uploading of the notification giving reference No. 44/Stores(DO)/Anat/PAC/2019-20/FSC. The comments should be received in office of Stores Officer (FSC), Store Section (DO), Animal House Building, Near Biotechnology Building at AIIMS on or before 05/02/2020 upto 12.30 p.m. failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

  
SR. STORES OFFICER (DO)

Encl: Related documents enclosed.

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## Neuronal tracing and analysis & Stereology-based Image Analysis Workstation

### PART A: The Neuronal tracing system and analysis software should be:

1. Microscope Edition: Advanced software for microscope-based scientific neuronal tracing and analysis
2. Should include at least TWO software licenses for image analysis.
3. Capable of:
  - a. 3D Neuron tracing and reconstruction with thickness
  - b. 3D Serial Section Reconstruction; reconstruct and model tracings of serial sections as solid objects that can be dynamically rotated and resized
  - c. Brain Mapping and Anatomical Mapping
  - d. Quantitative Morphometric Analysis
  - e. Image Analysis
  - f. Real-time voxel rendering of 3D image sets
  - a. 3D visualization of traced models (rotate and zoom) including adjusting surface transparency and lighting conditions, etc.
  - b. Cell Detection
  - c. Create high resolution, publication quality 3D models
  - d. Direct export of results to Microsoft Excel
  - e. Standard Software Upgrade and Support

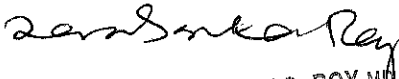

### Part B: The Stereology-Based Image Analysis Workstation should be:



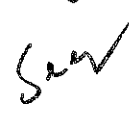
1. Microscope Edition: Advanced software for unbiased stereology
2. Which should be capable of:
  - a. Automated workflows for Optical Fractionator
  - b. Automated workflows to acquire multi-channel fluorescent 3D image stacks with systematic random sampling for offline analysis
  - c. Automatic Contour Tracing
  - d. Having Serial Section Manager
  - e. 2D Anatomical Mapping
  - f. Automatic exportation of data and results to Microsoft Excel
  - g. Integration for controlling automated microscope functions that should connect PC to microscope through RS-232 or USB cable
  - h. Standard Software Upgrade and Support
  - i. To analyze confocal, bright field and wide field fluorescence 3D image stacks
  - j. To create and export bright field and wide field fluorescence image stacks to offline workstations
  - k. 3D image visualization
  - l. Create extremely high-resolution montages composed of images obtained from multiple microscopic fields-of-view. The resolution of the individual fields should be maintained in the montage, allowing for the capacity to zoom in and out without loss of resolution.
  - m. Scan entire slide, or only specified sections or regions of interest within a section.

*Handwritten signatures and notes:*  
- *Scanned for VKS*  
- *Amr Kataria*  
- *Praveen Kumar*  
- *Shrey*

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- t. 21-inch Ultra HD 4K Monitor
- u. Microsoft Office Professional Edition Software.
- v. McAfee Security Center Anti-Virus Software
- w. Power cord
- x. Dust cover for microscope and other hardware
- y. Colour Laser printer (USB interface, 1200 dpi, built-in Ethernet support)
- z. Microscope requirements:
  - i. 14W high power LED light source for transmitted light with life of ~ 50,000 hours
  - ii. Light balancing filter
  - iii. Trinocular tube having 3-way light path selector of 0:100, 100:0 & 20:80 for simultaneous observation & viewing
  - iv. Wide Field, F.N. 22
  - v. Wide Field, F.N. 22, Helicoid
  - vi. Motorized 7 position revolving nosepiece with connecting cable and a slot for analyzer or DIC slider, including spacer for specimen holder AC6533 Corresponding to RoHS and WEEE regulations
  - vii. Interface cable for CAN communication, 2000mm length Corresponding to RoHS and WEEE regulations
  - viii. Swing out condenser N.A. 0.9- 0.16
  - ix. Plan achromat objective 2X/0.06, WD 5.8 mm
  - x. Plan achromat objective 4X/0.1, WD 18.5 mm
  - xi. U Plan extended Apochromat objective 10X/0.4, WD 3.1
  - xii. U Plan extended apochromat objective 20X/0.8, WD 0.6 (spring)
  - xiii. U Plan extended apochromat objective 40X/0.95, WD 0.18 (spring, c.c.0.11-0.23)
  - xiv. U plan extended apochromat objective 60X/1.42, WD 0.15 (spring, oil)
  - xv. U Plan extended Apochromat objective 100X/1.45, WD 0.13 mm (spring, oil)
  - xvi. Immersion Oil 8cc.
- aa. 2 KVA online UPS to support the entire system.

  
 डॉ. टी.एस. रॉय/Dr. T.S. ROY, M.D. PhD  
आचार्य एवं अध्यक्ष/Professor & Head  
शरीर रचना विज्ञान विभाग/Dept. of Anatomy  
अ.भा.आ.सं., नई दिल्ली, भारत/AIIMS, New Delhi, India

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And last word sent  
Renu Shingie  
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**ALL INDIA INSTITUTE OF MEDICAL SCIENCE****ANSARI NAGAR, NEW DELHI-110029****Proprietary Article Certificate (PAC) (Machinery & Equipment**

- i) The indented goods are manufacture by M/S MBF BIOSCIENCE, USA.
- ii) Item Name : NEURONAL TRACING AND ANALYSIS, AND STEREOLOGY-BASED IMAGE ANALYSIS WORKSTATION.
- iii) Model No. SOFTWARE WITH COMPATIBLE HARDWARE.
- iv) Vital Technical Performance Parameters required which makes the requirement proprietary<sup>##</sup> YES. NOT PRODUCED/MANUFACTURED BY OTHER COMPANIES.
- v) No other make or model is acceptable for the following reasons  
WE HAVE BEEN USING STEREOLOGY SINCE 2004. THE PROCESS IS STANDARDISED IN THE LAB. MORE THAN 15 PUBLICATIONS HAVE BEEN PRODUCED WITH THIS SOFTWARE.

It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/equivalent specifications which can fulfill the vital requirements of end user.

डॉ. टोनी जॉर्ज जेकब/Dr. Tony George Jacob  
सह-आचार्य/Associate Professor  
शरीर रचना विभाग/Dept. of Anatomy  
अखिल भारतीय आयुर्विज्ञान संस्थान  
All India Institute of Medical Sciences  
अंसारी नगर, नई दिल्ली/Ansari Nagar, New Delhi-29

*Sanjay Ray*



डॉ. टी. एस. राय/Signature of TSEC

आचार्य एवं अध्यक्ष/Professor & Head

शरीर रचना विभाग/Department of Anatomy

अ.भा.आ.सं., नई दिल्ली/All India Institute of Medical Sciences, New Delhi, India

With Name, Designation, Department and Hospital/Institute/DGHS

##Note TESC should clearly mention the vital functional parameters requirements which end user essentially require and are manufactured by only one manufacturer mentioned in Serial No.(i).

*TC Nag* 14/1/20

*Renu Dhangra*  
डॉ. रेनु धिंग्रा/Dr. Renu Dhangra  
आचार्य/Professor  
शरीर रचना विभाग  
Department of Anatomy  
अ. भा. आ. सं., नई दिल्ली-110029  
A. I. I. M. S., New Delhi - 110029



डॉ. टी. सी. नाग/Dr. TC Nag

आचार्य/Professor

शरीर रचना विभाग/Department of Anatomy

अ.भा.आ.सं., नई दिल्ली/AIIMS, New Delhi-110029

PROPRIETARY/SPECIFIC BRAND GOODS CERTIFICATE

01.	Item/Type/Model No. required along with specification	Neuronal tracing and analysis & Stereology-based image analysis Workstation
02.	Is the item a spare part attachment or accessory for an existing equipment	No
03.	Name of the manufactures/Supplier of the item proposed by the Indenter.	M/s MBF Bioscience, USA
04.	Are they sole manufactures/sold distributors of the item	Yes
05.	Is there any other item with similar/ equivalent specification available in the market to meet the job requirement envisaged. If the answer is yes, why the same can't be procured. Demanding officer should bring out comparative functional advantages/ cost effectiveness of the recommended item form these offered by other.	No.
06.	What were the efforts made to locate alternative source of supply of use other substitutes.	N/A
07.	Why open/limited tender can't be resorted to for locating alternative source.	Proprietary Item, No other source is available.
08.	Are the proprietary items certifying that the rates are reasonable or not.	Yes, (Letter enclosed) M/s MBF Bioscience, USA
09.	Any other justification for procuring item from single source.	There is no other source or company available.

Signature of Indenter  
(Demanding Officer)

COUNTER SIGNED  
(Head of the Department)

6/1/20

I certify that the item at Sr. No. 1 above is required to be procured on single tender basis as the source of is definitely known/the specified brand proposed was advantages in meeting our functional requirements cited tender system could be dispensed with as they would serve no useful purpose in this particular case.

Renu Chugla

Neeraj

Sam

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## MANUFACTURER'S AUTHORISATION FORM

The 'Director'  
All India Institute of Medical Sciences  
Ansari Nagar,  
New Delhi-110 029, India

Dear Sir,

Ref: Your requirement for MBF Stereo Investigator & Neurolucida image analysis workstation

We Olympus Medical Systems India Private Limited having our registered office at Ground Floor, Tower-C, SAS Tower, The Medicity Complex, Sector-38, Gurgaon - 122001, Haryana is 100% subsidiary of M/s Olympus Corporation of Asia Pacific Ltd having their office at L43, Office Tower, Langham Place, 8 Argyle Street, Mongkok, Kowloon, Hong Kong, who are established and reputable manufacturers of "Olympus Microscopes with Accessories".

We as a subsidiary are authorized in India to quote for Olympus Microscope Model BX53 to be used with MBF Stereo Investigator & Neurolucida Image analysis workstation. We can submit the bid and enter into a contract against your above requirement as contained in the above referred documents for the goods manufactured and quoted by us.

We also state that we are participating directly in this bid.

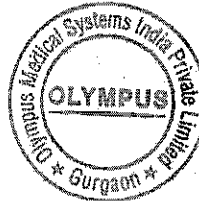
We further confirm that no supplier or firm or individual other than us is authorized to submit a bid, process the same further and enter into a contract with you against your requirement as contained in the above referred TE documents for the above goods manufactured by us.

We also hereby extend our full warranty CAMC as applicable as per clause 15 of the General Conditions of Contract, read with modification, if any in the Special Conditions of contracts for the goods and services offered for supply by us against this TE document.

We also hereby confirm that we would be responsible for the satisfactory execution of contract and the spares for the equipment shall be available for least 10 years from the date of supply of equipment

Olympus Medical Systems India Pvt Ltd.

Brijesh Alva  
National Manager - SSBD - BS  
Olympus Medical Systems India Pvt. Ltd.  
Tower C, SAS Tower, The Medicity Complex  
Sector - 38, Gurgaon - 122001  
Phone: +91-124-4999191, Fax: +91-124-4999190  
Email: ssbd-tender.oms@olympus-ap.com



डॉ. टोनी जॉर्ज जेकब / Dr. Tony George Jacob  
सह-आचार्य / Associate Professor  
शरीर रचना विभाग / Dept. of Anatomy  
अखिल भारतीय आयुर्विज्ञान संस्थान  
All India Institute of Medical Sciences  
अंसारी नगर, नई दिल्ली / Ansari Nagar, New Delhi-29

डॉ. रेनु धींगरा / Dr. Renu Dhingra  
आचार्य / Professor  
शरीर रचना विभाग  
Department of Anatomy  
अ.भा.आ.सं., नई दिल्ली-110029

डॉ. टी.सी. नाग / Dr. T.S. Nag, MP PhD  
आचार्य एवं अध्यक्ष / Professor & Head  
शरीर रचना विज्ञान विभाग / Dept. of Anatomy  
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डॉ. टी.सी. नाग / Dr. TC Nag  
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MicroBrightField, Inc.

185 Allen Brook Lane, Suite 101, Williston, VT 05495 USA  
info@mbfbioscience.com www.mbfbioscience.com  
tel 802.288.9290 fax 802.288.9002

### Proprietary Certificate

To  
Prof. & Head  
Dept. of Anatomy  
All India Inst. of Medical Sciences  
Ansari Nagar  
New Delhi- 110 029  
India.

December 28<sup>th</sup>, 2019

Sub: Proprietary Certificate.

Ref: Your requirement for MBF Stereo Investigator & NeuroLucida image analysis workstation

Dear Sir/Madam,

With reference to the above, we hereby certify that the MBF Bioscience, Stereo Investigator & NeuroLucida imaging system with accessories, as quoted by our authorized distributor M/s Olympus Medical Systems India Pvt. Ltd. vide their quotation No. OMSI/152P/BRJ/19-20/0061, are articles of proprietary nature.

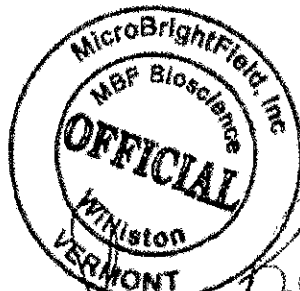
We further certify that Stereo Investigator & NeuroLucida imaging platforms are manufactured by us i.e. M/s MBF Bioscience, USA. These software platforms are our proprietary products and manufactured by us only. No company other than MBF Bioscience is manufacturing, integrating and supplying the same software's with identical specifications.

For MBF Bioscience

Yours faithfully,

A handwritten signature in black ink, appearing to read 'Mark Barton'.

Mark Barton  
Director - Sales and Marketing  
MBF Bioscience



A handwritten signature in black ink, appearing to read 'Mark Barton', written over the official stamp.

A handwritten signature in black ink, appearing to read 'Renu Dhingra'.

Renu Dhingra

A handwritten signature in black ink, appearing to read 'Nancy'.

Nancy  
Seen