

**Dayalbagh Educational Institute  
(DEEMED TO BE UNIVERSITY)  
Dayalbagh, Agra**

**Single tender enquiry**

**Tender No. DEI-Science-Zoology-Head.2018-19-TDR-16**

**Date: 18-12-18**

**Subject: Purchase of The Fluorescent Microscope with imaging facility and FISH software for the Dept. of Zoology, Faculty of Science, Dayalbagh Educational Institute, Dayalbagh, Agra-5, on proprietary basis – Inviting comments thereon.**

The request has been received from Prof. Sant Prakash, Head, Department of Zoology, Faculty of Science, DEI, to purchase the above item on proprietary basis from M/s TOWA OPTICS, Okhla Industrial Estate, New Delhi – 110020, authorized dealer of **M/S NIKON Shinagawa Intercity Tower, C, 2-15-3 Konan, Minato-ku, Tokyo, Japan(OEM)**. The proposal/quotation and Proprietary Certificate of 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 Days from the date of issue of this notice giving reference no. **Tender No. DEI-Science-Zoology-Head-2018-19-TDR-16 dated 18-12-18**. The necessary documents may be submitted to us in support of your intent/comments/objections for our consideration. The intent/comments/objections should be received by office of Registrar, Dayalbagh Educational Institute, Dayalbagh, Agra (e-mail: [registrar@dei.ac.in](mailto:registrar@dei.ac.in)) on or before 02/01/2019 up to 5.00 pm failing which it will be presumed that no other vendor has any comments to offer, and the case will be decided on the merit.

REGISTRAR

Encls:

1. PAC Certificate
2. Rate quotation



NIKON CORPORATION  
Nikon Building, 1-10-1, Toyko Tower C, 2-15-3, Kinokuniya  
Mitsukoshi, Tokyo 100-8502, Japan  
Tel: +81 3 6488 3500  
株式会社ニコン  
〒100-8502 東京都千代田区千代田1-10-1ニコンビルディング  
Tel: 03-6488-3500

Tokyo November 29, 2018

PROF. SANTI PRAKASHI,  
HEAD,  
DEPT. OF ZOOLOGY,  
DAYALBACH EDUCATIONAL INSTITUTE,  
DAYALBACH,  
AGRA -282 005  
INDIA

PROPERIETARY CERTIFICATE

Dear Sir,

We hereby certify that Nikon Upright Microscopes Vindol CI-T, with accessories quoted by our sole & exclusive Distributor M/s Tewa optics (I) Pvt. Ltd., New Delhi vide Proforma Invoice No. **TW/NK/SP-SK/18/3901** dated **28.11.2018** offers built in Fly-Eye lens/optics in Transmitted light is a Proprietary feature of Nikon Corporation, Japan to assure uniform illumination throughout the field of view and same is not manufactured by others.



Yours faithfully  
Nikon Corporation

Kazutaka Watanabe  
Sales Section  
Sales Department  
Marketing Sector  
Healthcare Business Unit



TO: PROF. SANT PRAKASH  
DEPTT. OF ZOOLOGY,  
DAYALBAGH EDUCATIONAL INSTITUTE,  
DAYALBAGH,  
AGRA - 282 005

PROFORMA INVOICE  
NO. : TW/NK/SP-SK/18/3901  
DATE: 20-11-2018

### TERMS AND CONDITIONS

PRICE: C.I.P. New Delhi by Airfreight in Japanese Yen & F.O.R. Dayalabagh Educational Institute, Agra

**Note:-**

1) We undertake to clear the goods on your behalf and it at your site. (F.O.R. Dayalabagh Educational Institute, Agra).  
2) Documents require for Custom Clearance i.e Custom Duty Exemption Certificate issued from DSIR under Notification No. 51/96, Authority Letter, Bank Delivery order and other relevant documents etc. will be given by you Advance to avoid demurrages,  
3) As per Custom notification 27/2017, Indian customs impose a penalty of Rs. 5000/- per day for the initial three days of default and at the rate of INR 10,000/- per day for each day of default thereafter for late submission/filing of shipping documents with customs. Hence, the buyers are advised to submit all the documents related to Custom Clearance i.e. (CDEC from DSIR, Authority letter, Bank Delivery order etc.) to our office well in advance (at least 2 days before the landing of the shipment) so that custom clearance at airport can be completed on time. Any penalty or Demurrage charges, if any incurred due to delay in forwarding the documents or wrong documents would be on your account.  
4) We will submit/provide all the shipping documents (Invoice, Packing List, AWB, etc.) to your office well in advance (at least 3-4 days before the landing of the shipment) so that documents can be prepared by you in time.  
5) Octroi/Road Permit/ Entry Tax/E-way Bill if any will be charged extra OR exemption certificate will be given by you alongwith order to transport the consignment from our warehouse to customer warehouse.

**PAYMENT:** Irrevocable Letter of Credit/TT/Advance FDD for 100% of order value in favour of our principals :-

M/s Nikon Corporation  
Shinagawa Intercity Tower C,  
2-15-3, Konan, Minato-ku  
Tokyo : 108-6290, Japan

Banker's Name: MUFG Bank, Ltd.  
7-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8388, Japan  
A/C No. 9002068, Swift Code: BOT KJPJT

**DELIVERY:** Within 8-10 weeks after receipt of error free LC/payment by our principals.  
**WARRANTY:** One year against any manufacturing defects from the date of installation or 15 months from the date of shipment whichever is earlier.

**CUSTOM DUTY:** The quoted price do not include custom duty.

**REMARKS:** Special terms & conditions for establishing L/c.  
**(DETAILS TERMS & CONDITIONS ENCLOSED)**  
Goods will be Air Freightted under air consolidation.  
Please allow the following in the Letter of Credit.  
Transshipment Allowed,  
Forwarder's AWB acceptable.  
House AWB acceptable.

In case the L/c does not allow the above special conditions then the freight charges will exceed our quoted estimated charges.

**COUNTRY OF ORIGIN:** Japan/Czech/China  
**VALIDITY:** The Proforma Invoice is good upto 90 days  
**Towa Optics (India) Pvt. Ltd.**  
223, Okhla Industrial Estate, New Delhi- 110 020  
Tel: 011- 47161000 (30 Lines), Fax: 011-41613775  
Email: towa@towaoptics.com, Web: www.towaoptics.com  
CIN No : UY4899DL1963PTC003902



*Jayant Prakash*  
TOWA OPTICS (I) PVT. LTD.  
(AUTHORIZED SIGNATORY)



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 P.I. NO.TW/NK/SP-SK/18/3901  
 DATE: 20-11-2018

Code No.	Description	Qty	Unit Price	Total Price
	<b>NIKON TRINOCULAR UPRIGHT MICROSCOPE            MODEL Ci-L (LED) FOR BRIGHTFIELD/PHASE CONTRAST/            FLUORESCENCE AND DIGITAL IMAGING SYSTEM</b>			<b>PRICES IN JAPANESE YEN</b>
	Ci-L Basic Unit (100-240V) consisting of Ci-L Main Body for right side stage with built-in Fly-eye lens for uniform illumination, <b>Capture button</b> fixed diffuser field diaphragm adjusting tools (1 piece), Dual Coarse/Fine focusing with re-focusing mechanism and torque adjustment <b>built-in lamphouse for Long life High luminescent            white LED illumination</b> Immersion Oil N, 8cc Power Cord BE (220-240V) Dust Cover H600L	1		
MBA95000				
	<b>STAGE &amp; SPECIMEN HOLDER</b>			
	C-SR2S Right Handle Stage with 2SHolder	1		
	<b>NOSPIECE</b>			
MBP71316	C-N ESD Reversed Sextuple Revolving Nosepiece	1		
	<b>TRINOCULAR TUBE</b>			
MBB93106	C-TF Trinocular Tube F (for F.O.V. 22/25mm) with tube incl. angle at 25° (2 way Eyepiece : Port 100.0 / 0.100)	1		
	Eyepiece Lens CF1 10x with diopter adjustment (F.O.V.22mm)	2		
	CF1 UW Eyepiece Guard	2		
	Anti Mould Agent	1		



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 PAN No. AAJTA8001L 1962P7000000



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**CONDENSER**

MBL73105	Universal Turret Condenser for Brightfield/Phase Contrast/Darkfield upto 40X/ Fluorescence Microscopy with 6 positions (1 Bright field position with aperture diaphragm NA0.9, 3 Phase position (PH1, PH2, PH3), 1 Dark field position, NA0.75, 1 Closed position Filter, 45mm GIF	1		
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**OBJECTIVES**

MRL00042	CFI Plan Achromat 4X N.A. 0.10, W.D. 30.0 mm	1		
MRL20102	CFI Plan Achromat DL 10X N.A. 0.25, W.D. 10.5 mm, Ph1	1		
MRL20202	CFI Plan Achromat DL 20X N.A. 0.40, W.D. 1.20 mm, Ph1	1		
MRL20402	CFI Plan Achromat DL 40X N.A. 0.65, W.D. 0.56 mm, Ph2 Spring-loaded	1		
MRH01902	CFI Plan Fluor 100X Oil N.A. 1.30, W.D. 0.2 mm Spring-loaded, Stopper	1		

**UNIVERSAL EPI-FLUORESCENCE ATTACHMENT**

MBE74100	D-FL Universal Epi-Fluorescence Attachment Turret type with six filters accomodation, Field & Aperture diaphragm, light cut-off shutter, removable ND4, ND8 and ND16 filter, light-shielding plate	1		
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**100W MERCURY ILLUMINATION**

MBE75015	C-FC Epi-FL Collector Lens	1		
	C-FC Epi-FL Centering Tool	1		
	Lamphouse HMX-3B	1		
	Mercury Lamp Socket S 100W	1		
	C-LHG1 Mercury Lamp HG-100W with spare lamp	1		
	C-SHG1 Power Supply for Mercury Lamp HG-100W	1		
	Power Cord BE (220-240V)	1		

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**EPI-FLUORESCENCE FILTER BLOCK**

MBE41305	C-FL-C Epi-Fi Filter Cube DAPI/Hoechst consisting of : Excitation Filter EX361-389 Dichroic Mirror DM415 Barrier Filter BA430-490	1		
MBE44725	C-FL-C Epi-Fi Filter Cube FITC/GFP consisting of : Excitation Filter EX465-495 Dichroic Mirror DM505 Barrier Filter BA512-558	1		
MBE45605	C-FL-C Epi-Fi Filter Cube TRITC/Rhodamine/PI consisting of : Excitation Filter EX537-552 Dichroic Mirror DM565 Barrier Filter BA582-637	1		

**DIGITAL COLOR CAMERA MODEL DS-FI3**

MQA18000	DS-Fi3 Microscope Camera High sensitivity, low noise : DS-Fi3 can capture clear fluorescence images with high sensitivities and low noise. Image sensor: CMOS image sensor Number of pixels : 2880x2048 pixel 5.9 megapixels Image sensor size : 1/1.8 inch (6.912x4.915mm) Recordable pixels "All pixels" mode : 2880x2048 pixel "2 Vertical and 2 horizontal pixels average" mode : 1440x1024 pixel ROI 1/2 mode : 1440x1024 pixel Live display mode "All pixels" mode (2880x2048 pixel) : 15fps "2 Vertical and 2 horizontal pixels average" mode (1440x1024 pixel) : 30fps Exposure time: 100µsec to 30 sec Exposure control: One-push auto exposure, continuous auto exposure, manual exposure Exposure correction: Average metering ; ±1EV 1/6EV step Peak metering : -1EV~±0EV Exposure metering method: Average metering, peak metering Exposure metering Range: Selectable in units of 4 pixels within effective	1		
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CIN No. : U74999DL1963PTC003902



Code No.	Description	Qty	Unit Price	Total Price
	pixel range of each camera mode Resolution (camera image mode): "All pixels" mode : Horizontal and vertical 1500 television lines or more "2 Vertical and 2 horizontal pixels average" mode : Horizontal and vertical 600 television lines or more Image record Format: When using NIS-Elements: BMP, TIFF, JPEG, etc When using DS-L4:TIFF, JPEG Interface: USB3.0, Micro-B Receptacle QE (Quantum Efficiency) >65%, excellent performance in brightfield, phase contrast, dark field, polarizing, DIC and fluorescence application Quantization : 12 bit, Color depth : 24bit(RGB) 3-AC AC Adapter 1 Power Cord BE (220-240V) 1 USB3.0 Cable D for high speed imaging (suitable for upright) : 1 Y-TV55 TV tube 0.55x 1 C-mount 0.55x relay lens 1 C-CTC Camera Trigger Cable U3/L3 1			
MQS32000	<b>IMAGE ANALYSIS SOFTWARE</b> Nikon Imaging Software NIS-ELEMENTS BR for acquisition and device control through four-dimensional acquisition. <b>Features</b> Image Acquisition, Time Lapse Imaging, Z-Stack, Multi-channel Fluorescence, Annotation, 2D / 3D View, ND Viewer, Filter, Morphology, Large Image, Macro, Segmentation, Auto-measurement, Report Generator facility, Vector layer & Multi-Dimensional File Format (ND format)	1		
	<b>SPARES</b> MXA22165 Immersion Oil N, 8cc 10 MBF14342 C-LHG1 Mercury Lamp HG-100W with spare lamp 1			

C.I.P. New Delhi by Airfreight in Japanese Yen & 2,031,000  
F.O.R. Dayalabagh Educational Institute, Agra in Japanese Yen

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**NOTE:-** COMPUTER IS REQUIRED FOR THE PROCESSING OF IMAGES OF DIGITAL CAMERA & WILL BE SUPPLIED BY US LOCALLY

***	<b>Computer: Branded i7 Processor</b> with 8 GB RAM, 1TB HDD, Keyboard, Optical Mouse, 1GB Graphic Card, DVD Writer, 24" TFT/LED Colour Monitor, USB3 Port, Pre-loaded Windows 10 OS (64-bit), alongwith UPS 1KVA	1	Free of cost	
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