



ALL INDIA INSTITUTE OF MEDICAL SCIENCES
ANSARI NAGAR, NEW DELHI-110029
Stores Section (DO)

Tender Ref. 05/SO(DO)/Path/PAC/25-26/M&E

Dated: -04/06/2025

Subject: -Procurement of Upright Trinocular Microscope with Bright Field Fluorescent, Phase Contrast and Darkfield, Techniques upgradable with Tablet- Integrated digital head and Research Grade Optics (Model: Cilika TF-400)- - Qty. 01 No." on PAC basis for the department of Pathology.

The request has been received from department of Pathology for "Upright Trinocular Microscope with Bright Field Fluorescent, Phase Contrast and Darkfield, Techniques upgradable with Tablet- Integrated digital head and Research Grade Optics (Model: Cilika TF-400)- Qty. 01 No." on PAC basis" from M/s. Medprime Technologies Private Limited on Proprietary basis along with technical specifications, OEM Propriety Certificate and Departmental PAC Certificates.

The above documents are being uploaded for open information to submit objection, comments, if any, from any manufacturer or their authorized distributor regarding proprietary nature of equipment /item within issue of 15 days giving tender reference No. 05/SO(DO)/Path/PAC/25-26. The Comments should reach to the office of Sr. Store Officer (DO), Stores Section (DO), 1st Floor Animal House Building, Near Gate No.02, AIIMS New Delhi-110029 on or before 20/06/2025 up to 04:00 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.

Sr. Stores Officer (DO)

Enclose: related documents

1. PAC Certificate
2. Technical Specifications
3. Performa Invoice

medprime

Technologies Private Limited

2nd Floor, Plot no. A-246, Road no. 30-B, Wagle Estate, Thane, Maharashtra 400604

Date: 05th December 2023

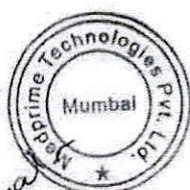
PROPREITARY PRODUCT AND SOLE MANUFACTURER CERTIFICATE

It is to certify that MedPrime Technologies is the sole owner and manufacturer of Cilika series microscopes which include diagnostic quality digital microscopes with mobile phone/tablet display in portable and benchtop models.

MedPrime is an ISO 9001:2015 certified technology company, dedicated to developing cutting-edge but affordable solutions for the healthcare needs of the world and additionally develop innovative healthcare solutions, with a focus on patient monitoring and diagnostic devices.

Through our research and innovation, we have created a portfolio of intellectual property rights that include patents and trademarks. Cilika microscopes use patented technology that enables them to provide stable high resolution, high magnification digital imaging, within a portable and light-weight structure. The patented design also enables compatibility with smart devices for viewing and capture of magnified sample images and videos. Cilika portable microscope is the first product of its kind that provides a complete digital microscopy solution, which can be carried along for site visits and screening camps, for point-of-care testing.

The inventors of the patent are members of the development team at MedPrime, and the patent is owned by MedPrime Technologies. Hence MedPrime holds the sole right to manufacture and sell this product. The instrument Cilika is our proprietary product.



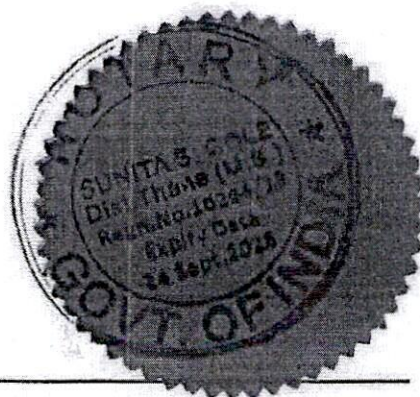
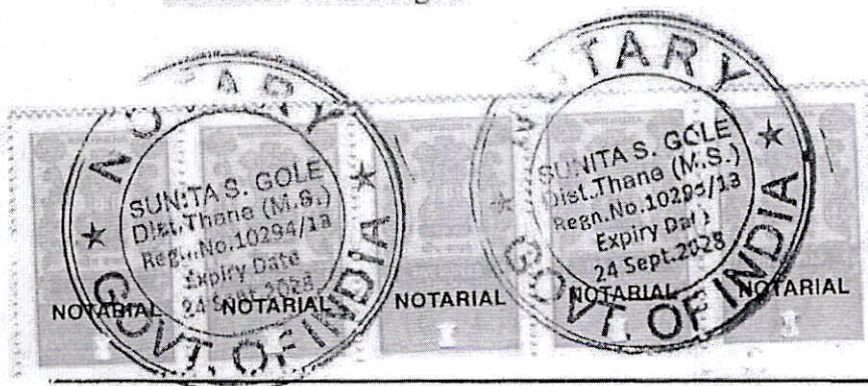
Samrat
Director,
MedPrime Technologies

NOTARISED

SUNITA S. GOLE
ADVOCATE & NOTARY

Office: Shop No. 3, Near Food Box Hotel,
Behind Sai Baba Mandir Thane Court Naka
Thane (W)-400604 Mob: 9819815553

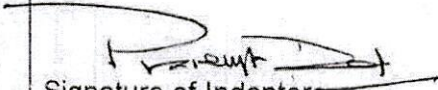
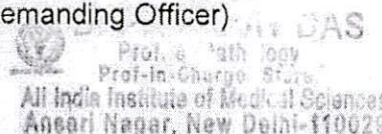

- 5 DEC 2023

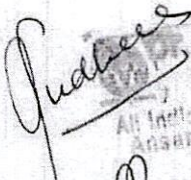
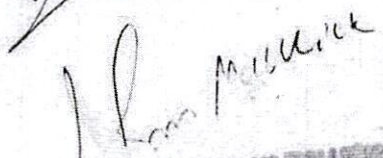



Mobile: +91 9833680874

CIN: U74120MH2014PTC259735

E Mail: contact@medprimetech.com

ALL INDIA INSTITUTE OF MEDICAL SCIENCES ANSARI NAGAR, NEW DELHI 110029			
PROPRIETARY/ARTICLE CERTIFICATE (PAC) Machinery & Equipment)			
(i).	The indented goods are manufacture by	:	CILIKA
(ii).	Item Name	:	UPRIGHT TRINOCULAR FLUORESCENT MICROSCOPE WITH DARKFIELD, VARIABLE WITH TABLET INTEGRATED DIGITAL HEAD
(iii).	Model No:	:	CILIKA TF400
(iv).	Vital Technical Performance Parameters required which makes the requirement proprietary	:	TABLET INTEGRATED WITH DIGITAL HEAD
(v).	No other make or model is acceptable for the following reasons	:	No
It is certified that market survey has been done and found that no other manufacturer is manufacturing similar/equivalent specifications which can fulfil the vital requirements of end user			
 Signature of Indenter (Demanding Officer)  Prof. A. Das Prof-in-Charge, Pathology All India Institute of Medical Sciences Ansari Nagar, New Delhi-110029		COUNTERSIGNED (Head of the Department)  Acting Head Department of Pathology All India Institute of Medical Sciences Ansari Nagar, New Delhi-110029	
Note 1: TSEC 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).			


SUDHEER ARAVA
 Prof. of Pathology
 All India Institute of Medical Sciences
 Ansari Nagar, New Delhi-110029

Dr. SAUMYAN
 Addl. Prof. of Pathology
 All India Institute of Medical Sciences
 Ansari Nagar, New Delhi-110029


Dr. SUPRA AGARWAL
 Addl. Prof. of Pathology
 Asst. Officer-in-Charge Procurement

3286202 (19-0-0)

**Specifications of Upright Trinocular microscope with bright field,
Fluorescent, Phase contrast, and Darkfield, techniques
upgradable with tablet-integrated digital head and research-
grade optics (No 1)_**

GTE Exemption No: 107

Node of purchase: Proprietary

Estimated Cost: 19.5L

Life Cycle cost-24L

1. Upright Trinocular microscope with bright field, Fluorescent, Phase contrast, and Darkfield, techniques upgradable with tablet-integrated digital head and research-grade optics
2. Digital Upgrade with the **latest technology for capture of 100% circular field of view through the phone or tablet camera**; Captured field of view: diameter 5 mm with 4x objective, 2 mm with 10x objective, 1 mm with 20x objective, 0.5 mm with 40x objective and 0.2 mm with 100x objective.
3. Siedentop Trinocular Viewing Head, Eyepiece/Port: 100/0, 20/80, 0/100 Inclined at 30°, Interpupillary Distance 47-78mm.
4. Eyepiece: SW10x/25 mm, High Eyepoint, Diopter Adjustable, Dia.30mm
5. Upgradable with detachable digital head with Internal magnification 10X/20mm or 10x/22mm.
6. Infinity Plan objectives:
 - a. 2X, NA=0.06, WD= 9
 - b. 4x, NA=0.1, WD=30
 - c. 10x, NA=0.25, WD=10.2
 - d. 100x(oil), NA=1.25, WD=0.22, Cover glass=0.17
7. **Plan Semi Apochromatic objective lens:**
 - a. 20x, NA=0.5, WD=2.7, Cover glass=0.17
 - b. 40x, NA=0.75, WD=1.35, Cover glass=0.17
8. Working Stage: Double Layer Gorilla Glass Mechanical Stage. Full Size 302x152mm, Stage Table Size 190x152mm, Moving Range 78x32mm, Double Slide Holder, left/right handle.
9. Condenser: Swing Condenser NA0.9/0.25
10. **Illumination:** Transmit Kohler Illumination, Brightness Adjustable, halogen light source, Built-in Main Body. ECO Function Support Auto Power Off After 30 Mins from Operator Leave to Save Energy.
11. An electronic digital pointer should be provided free of cost with the microscope
12. Nosepiece: Coded Sextuple Nosepiece, Dovetail interface
13. Focusing: Coaxial Coarse & Fine Focusing, Fine Division 0.001mm, Focusing Range 35mm, Coarse Stroke 7.7mm, Fine Stroke 0.1mm, Can Exchange Hand Wheel Between Left/Right.
14. **Fluorescent attachment:** Reflect Mercury Epi-Fluorescent illuminator, **100 W mercury lamp housing**, turret disc with 6 excitation positions, Eye protector screen. The life span of Mercury is 2500-3000 hours.
 - a. **Fluorescent filter:**
 - i. R, BP620-650, DM660, BA670-750
 - ii. FL-FITC BP460-495, DM505, BA510-550

[Handwritten signatures and marks]

- iii. FL-DAPI BP360-390, DM415, BA435-485
- iv. FL-TRITC BP528-553, DM565, BA578-633
- v. Alexa Fluor 594 –

- 1. Excitation Filter: HPX 560/40 -560/40x At Bandpass,
- 2. Dichroic Filter: HPD 922- Beamsplitter At 600 DC
- 3. Emission Filter: HPM 640/60 – 640/60m At Bandpass

15. Phase contrast and Darkfield attachment: Turntable phase contrast condenser 10,20,40,100. Simple dark field, empty hole

16. Camera: Monochrome

- a. 5.0 MP, Sony IMX264 USB3.0, Pixel size: $3.45\ \mu\text{m} \times 3.45\ \mu\text{m}$ Sensor size: 2/3" Frame rate: 35.6fps@2448 × 2048, 87.6fps@1224 × 1024 Global shutter,

17. Key features of camera Software:

18. Video and Image Capture

- a. Real-time video with adjustable frame rate, resolution, and formats (MP4, WMV, AVI).
- b. Snap and record with multiple resolutions and bit depths (up to 14-bit).
- c. Network broadcasting for remote viewing.

19. Image Adjustment and Enhancement

- a. Brightness, contrast, hue, saturation, gamma, and color temperature controls.
- b. High Dynamic Range (HDR) and Extended Depth of Field (EDF) for detail enhancement.
- c. **Fluorescence Image Color Compositing:** Overlay multi-wavelength images to highlight specific sample features.
- d. Live image stitching for large field-of-view creation.

20. Advanced Processing and Corrections

- a. Histogram adjustments, dark/flat field correction for noise and background improvements.
- b. Digital binning and subsampling for enhanced image quality or frame rate.

21. Measurement and Annotation Tools

- a. Comprehensive tools for angles, distances, shapes, and scale bars.
- b. Export to Excel and Word with customizable templates for measurements and images.

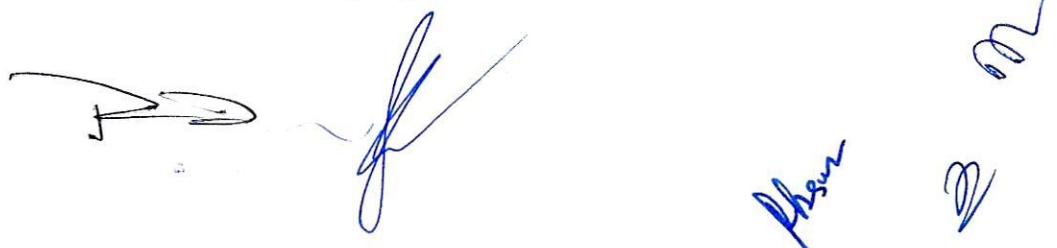
22. File Management and Export

- a. Quick and batch save options in multiple formats (JPEG, PNG, TIFF, WebP, DICOM).
- b. Batch processing for stitching, HDR, and batch report generation.

23. User Interface and Navigation

- a. Customizable toolbar and hotkeys for quick access.
- b. Thumbnail/file browser for easy file access and sorting.
- c. Full-screen and zoom controls for in-depth image review.

24. Camera Control and Sampling

The bottom of the page contains several handwritten marks in blue ink. On the left, there is a large, stylized signature that appears to be 'Phan'. To its right, there are two smaller, more compact signatures. Further right, there is a long, horizontal, wavy line. At the bottom right, there are two small, distinct marks that look like the letters 'M' and 'B'.

- a. Auto and manual exposure, gain, power frequency, flip, and rotation options.
- b. Region of Interest (ROI) selection and digital sampling (binning/skipping) for high-efficiency captures.
- c. 0.5x C-mount included.

25. Desktop/PC

- a. Processor -i7
- b. Ram -8GB
- c. Storage- 1TB SSD
- d. Monitor -22" Display

26. Accessories:

27. Digital Options: -

- a. Digital Head with **internal magnification 10X.**
 - i. **Tablet Display options:** iOS, 12.9",
Camera resolution: 12MP
 - ii. **Pre-installed application with following features:** Report printing with images, Local syncing of images at the desktop, Data management, Image capturing, Video recording, Exposure, brightness, saturation, temperature and contrast control, Micrometry – linear and circular measurements in microns, Annotations, and text addition, Freehand marking and pointer for demonstration.

28. Optional DIC attachments:

- a. 10x DIC Use with semi-plan achromatic objective.
- b. 20x, 40x DIC Use with semi-plan achromatic objective.

29. Warranty: Comprehensive warranty on all items for 2 years, except the apple tablet head, where standard global warranty will apply by the manufacturer. Additionally, a CAMC for another 8 years should also be quoted. Any software upgrade license required during this period will be upgraded free of cost to the user. Components that are not covered under warranty should be listed along with their list price (the price to remain valid till the whole CAMC period).

30. Each component of the item should be factory calibrated. Additionally, for calibration of measurement software, a micrometer glass slide should be provided free of cost to the user.

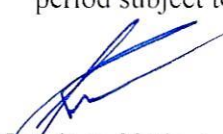
31. Demonstration: All post supply demonstrations required in a group or individually as required by the user Department, as and when asked, would be the supplier's sole responsibility. All demonstrations should be given on-site up to a maximum of 4 times/annually.

32. The company must have a direct presence in India with strong after-sales technical and service support.







33. **The microscope should be provided with the following accessories at no additional cost to the user:** premium microscope export quality immersion oil- 2 bottles; microscope cleaning kit-1, lens cleaning paper- 100 Nos; 100 W arc mercury lamps-2.
34. **Penalty Clause:** As per rules, during the warranty/CMC period the desired uptime of 95% of 365/366 leap year days (24 hours), if downtime is >5%, the warranty/CMC period will be extended by double the downtime period. In addition, a penalty equal to 0.25% of the total cost of the equipment/ per day will be liable for the excess downtime period subject to a max of 10% of the cost of the equipment.




Dr. Sandeep Mathur
(Prof. of Pathology)
AIIMS



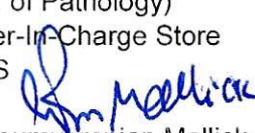
Dr. Shipra
Dept of Pathology,
AIIMS



Dr. Namrata Makkar,
Representative of Med.
Superintendent, AIIMS




Dr. Prasenjit Das
(Prof. of Pathology)
Officer-In-Charge Store
AIIMS




Dr. Saumyaranjan Mallick,
Dept of Pathology,
AIIMS

Dr. Sudheer Arava,
Prof, Dept of Pathology,
AIIMS



Dr. Ashutosh Halder
Prof. & HOD,
Reproductive Biology
AIIMS



(Robert Kumar)
DDG(P), Dte GHS



PROFORMA INVOICE

PI# 2024-25/4393

Medprime Technologies Pvt Ltd

2nd Floor, Plot no. A-246, Road no. 30-B, Opp. Wagle Estate
Police Station, Wagle Industrial Estate
Thane 400604
9833680874
GSTIN 27AAJCMS065B1ZK

Bill To
Director

All india institute of medical sciences (AIIMS)
Sri Aurobindo Marg, Ansari Nagar East,
New Delhi, Delhi 110029
Kindly attention:
Prof. Dr. Prasenjit Das
Dept. Of pathology

Date : 04/02/2025

Product: Cilika

Place Of Supply: Delhi (07)

#	Item & Description	HSN/SAC	Qty	Rate	IGST	Amount
1	<p>Cilika TF 400 Trinocular Upright Bright field Microscope with darkfield, fluorescence, phase contrast facilities Infinite Optical System, Eyepiece : SW10x(25) Coaxial Coarse and Fine Adjustment, Fine Division 1 μm, Moving Range 35mm Seidentopf Trinocular Viewing Head, Eyepiece/Port: 100/0, 20/80, 0/100 Inclined at 30°, Interpupillary Distance 47-78mm</p> <p>Infinity Plan objectives:</p> <ul style="list-style-type: none"> o 2x objective o 4x, NA=0.1, WD=30 o 10x, NA=0.25, WD=10.2 o 100x(oil), NA=1.25, WD=0.22, Cover glass=0.17 <p>Plan Semi Apochromatic objective lens:</p> <ul style="list-style-type: none"> o 20x, NA=0.5, WD=2.7, Cover glass=0.17 o 40x, NA=0.75, WD=1.35, Cover glass=0.17 <p>Sextuple Nosepiece, Swing Condenser NA0.9/0.25, Double Layer Mechanical Stage 190X152/ 78mmX32mm FL attachment: Reflect Mercury Epi- Fluorescent illuminator, 100 W mercury lamp housing 5 filters- R, FITC, DAPI, TRITC, Alexa fluor</p> <p>Phase contrast and Darkfield attachment: Turntable phase contrast condenser 10,20,40,100. Simple dark field, empty hole</p> <p>Camera: Monochrom 5.0 MP, Sony IMX264 USB3.0, Pixel size: 3.45 μm \times 3.45 μm Sensor size: 2/3"</p>	9011	1	16,52,542.00	18%	16,52,542.00

#	Item & Description	HSN/SAC	Qty	Rate	IGST	Amount
	Frame rate: 35.6fps@2448 × 2048, 87.6 fps@1224 × 1024 Global shutter Cilika View Software: Camera control, calibration and measurement Desktop/PC Processor -i7 Ram -8GB Storage- 1TB SSD Monitor -22" Display Digital Options: - o Digital Head with internal magnification 10X. Tablet Display: iOS 12.9", Camera resolution: 12MP Warranty : 5 Years (Tablet Warranty 1 Year)					

2	Accessories CAMC per year after 5 years warranty	8471	5	1,65,254. 00	18%	8,26,270.00
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Sub Total 24,78,812.00

IGST (18%) 4,46,186.16

Adjustment 0.44

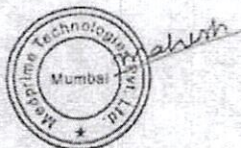
Total ₹29,24,998.60

Total In Words: **Rupees Twenty-Nine Lakh
Twenty-Four Thousand Nine
Hundred Ninety-Eight and
Sixty Paise Only**

Terms & Conditions

Delivery within 60 days of receipt of purchase order.

Payment: Standard payment terms as per AIIMS Manual.
 Kindly make the payment favoring "MEDPRIME TECHNOLOGIES PRIVATE LIMITED"
 Bank Name: STATE BANK OF INDIA; Branch Name: Thane Main
 Account No: 38922176668; IFSC Code: SBIN0000489



Authorized Signature