**अखिल भारतीय आयुर्विज्ञानसंस्थान, मंगलगिरी**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES**

**Mangalagiri, Guntur (A.P.) – 522503**

**Website:** [**www.aiimsmangalagiri.edu.in**](http://www.aiimsmangalagiri.edu.in)

**Ref. No**.: AIIMS MG/STORE/Tender/2020-21/Pathology/PAC/Trinocular Upright Microscope

**Dated:** 03/12/2020

**Subject:** Proposal for the procurement of **“TRINOCULAR UPRIGHT MICROSCOPE”** for the Pathology department, AIIMS Mangalagiri.

The request received from Pathology Department, AIIMS Mangalagiri for the purchase of captioned Item from **OLYMPUS CORPORATION, Shinjuku monolith, 3-1 Nishi- Shinjuku 2-chrome, Shinjuku-ku, Tokyo 163-0914, Japan** on Proprietary basis.

The Notice is being uploaded for general information of Aspirant Manufacturers/Dealers/ Distributors to submit their objections/proposal, if any, on proprietorship of these items.

In case, the product of any Manufacturer/Authorized distributor/dealer conforms to the enclosed specifications, they may submit their proposal for the supply same item along with the following:

1. Product brochure;
2. Point-by-point compliance of the, Enclosed specifications, along with all Relevant documentary evidence.

**The objection/ proposal** should be sent in sealed cover to, ***the office of Sr. Store Officer, 1st floor Dharmsala building, Old TB Sanatorium Road, AIIMS Mangalagiri, Mangalagiri, Guntur (AP), 522503***; so as to reach on or before **17/12/2020** upto15:00 Hrs., failing which it will be presumed that no any other vendor is interested to offer comments/protest and case will be decided accordingly on its merit.

The reference number: ………………, Date: …/../2020, due on: …/../2020 should be super scribed on sealed envelope.

Yours faithfully

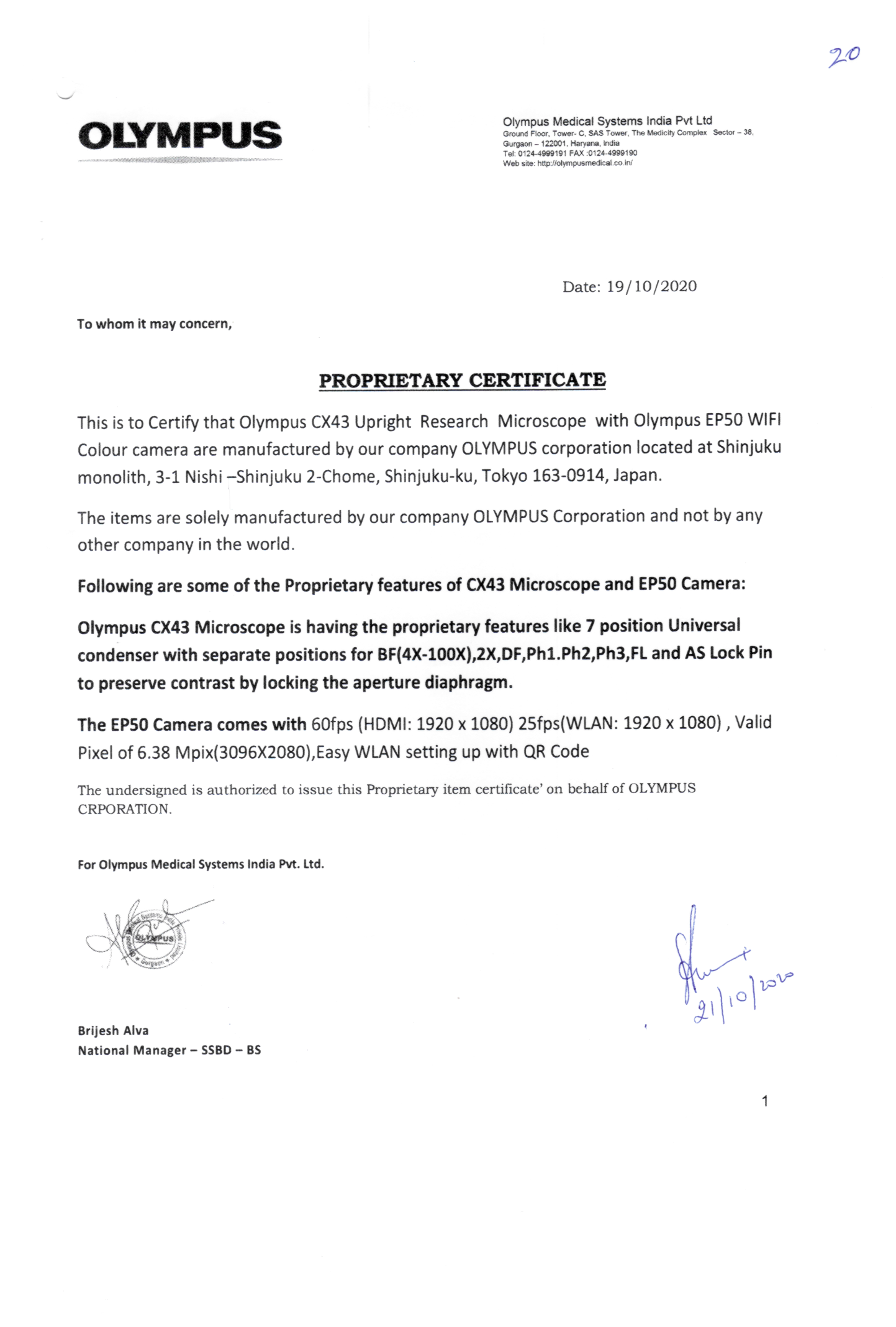
**Sr. Store officer**

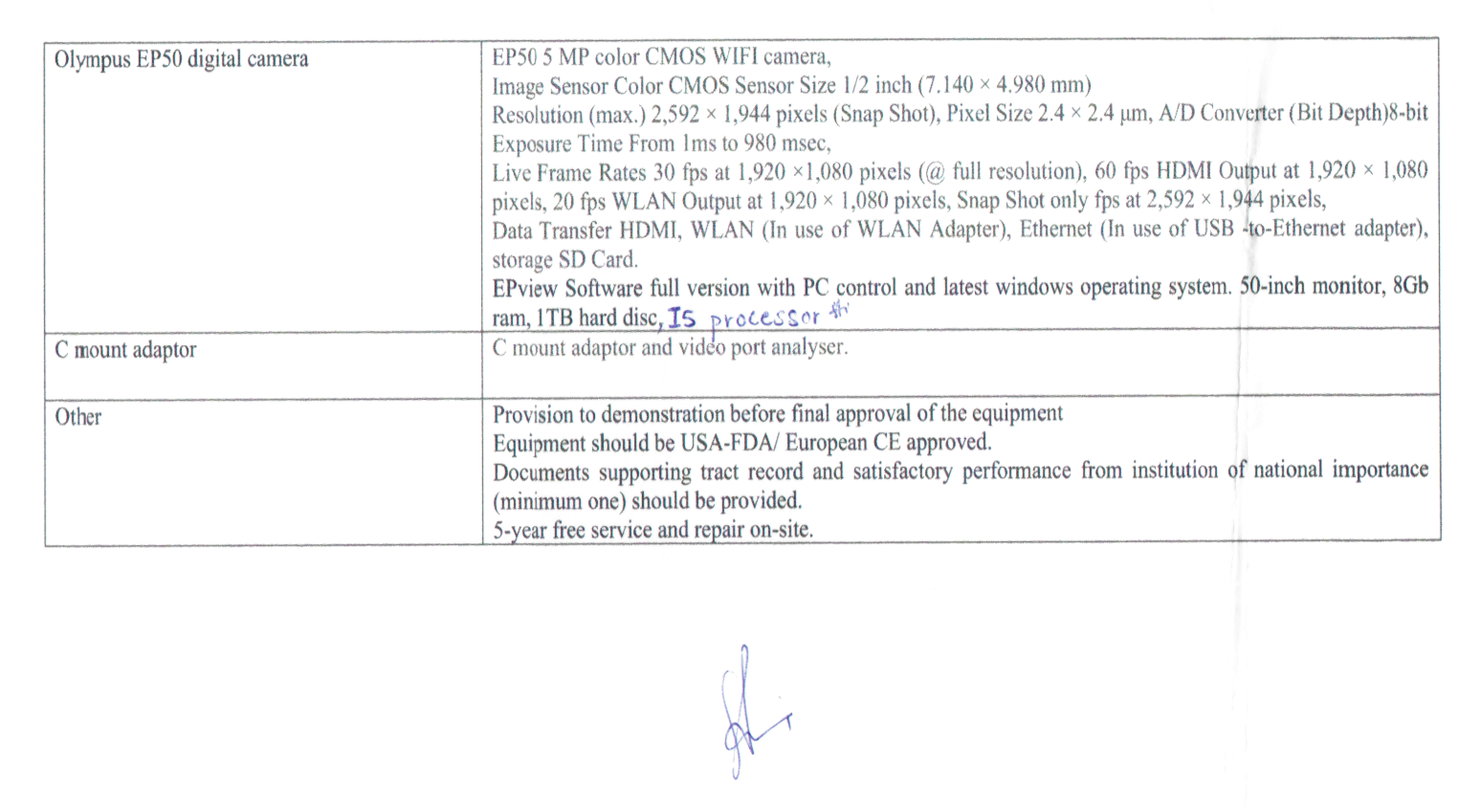
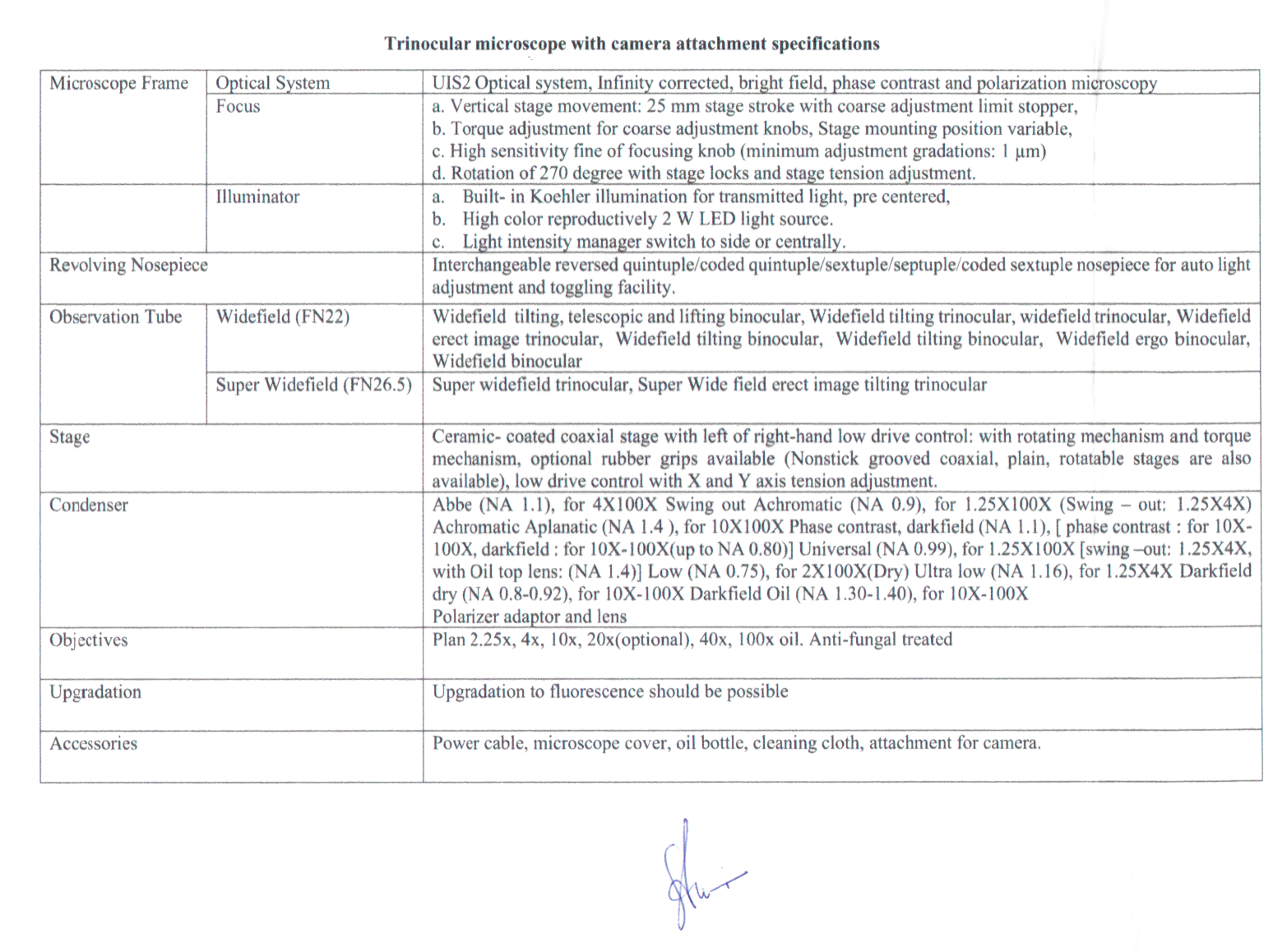
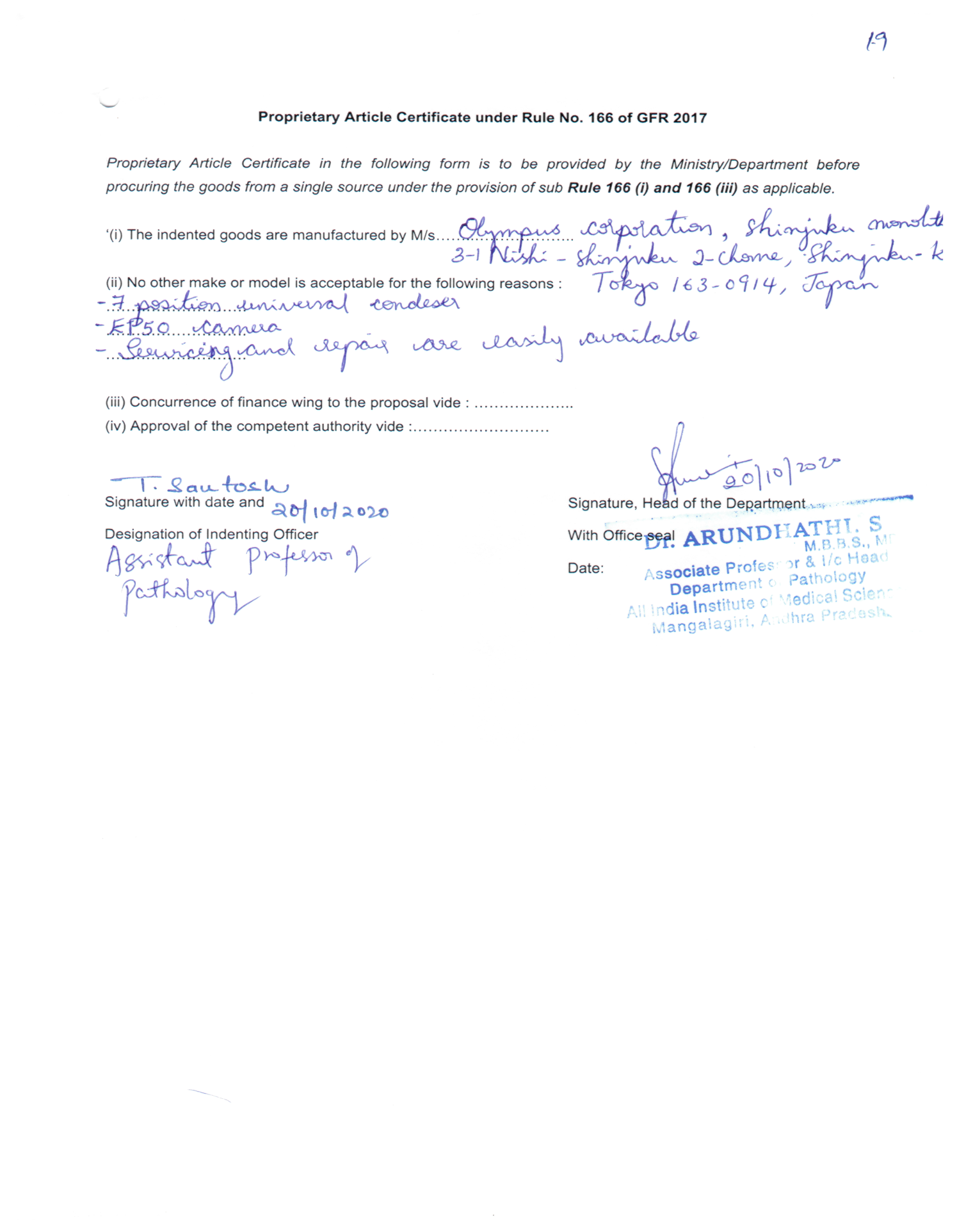
(for DIRECTOR AIIMS Mangalagiri)

Encl: 1. PAC Certificate

2. Schedule of requirement/ Technical Specification

**PAC CERTIFICATE**





**TRINOCULAR MICROSCOPE WITH CAMERA ATTACHMENT SPECIFICATIONS**

|  |  |  |
| --- | --- | --- |
| Microscope Frame | Optical System | UIS2 Optical system, Infinity corrected, bright field, phase contrast and polarization microscopy |
| Focus | 1. Vertical stage movement: 25 mm stage stroke with coarse adjustment limit stopper, 2. Torque adjustment for coarse adjustment knobs, Stage mounting position variable, 3. High sensitivity fine of focusing knob (minimum adjustment gradations: I pm) 4. Rotation of 270 degree with stage locks and stage tension adjustment. |
| Illuminator | 1. Built- in Koehler illumination for transmitted light, pre centered, 2. High color reproductively 2 W LED light source. 3. Light intensity manager switch to side or centrally. |
| Revolving Nosepiece | | Interchangeable reversed quintuple/coded quintuple/sextuple/septuple/coded sextuple nosepiece for auto light adjustment and toggling facility. |
| Observation Tube | Widefield (FN22) | Widefield tilting, telescopic and lifting binocular, Widefield tilting trinocular, widefield trinocular, Widefield erect image trinocular, Widefield tilting binocular, Widefield tilting binocular, Widefield ergo binocular, Widefield binocular |
| Super Widefield (FN 26.5) | Super widefield trinocular, Super Wide field erect image tilting trinocular |
| Stage | | Ceramic- coated coaxial stage with left of right-hand low drive control: with rotating mechanism and torque mechanism, optional rubber grips available ( Non-stick grooved coaxial, plain, rotatable stages are also available), low drive control with X and Y axis tension adjustment. |
| Condenser | | Abbe ( NA 1.1), for 4X100X Swing out Achromatic ( NA 0.9), for 1.25X100X (Swing - out: 1.25X4X) Achromatic Aplanatic ( NA 1.4 ), for 10X100X Phase contrast, darkfield (NA 1.1), [ phase contrast : for 10X- 100X, darkfield : for 10X-100X( up to NA 0.80)] Universal ( NA 0.99), for 1.25X 100X [swing -out: 1.25X4X, with Oil top lens: ( NA 1.4)] Low ( NA 0.75), for 2X100X( Dry) Ultra low ( NA 1.16), for 1.25X4X Darkfield dry ( NA 0.8-0.92), for 10X-100X Darkfield Oil ( NA 1.30-1.40), for 10X-100X  Polarizer adaptor and lens |
| Objectives | | Plan 2.25x, 4x, 10x, 20x(optional), 40x, 100x oil. Anti-fungal treated |
| Upgradation | | Upgradation to fluorescence should be possible |
| Accessories | | Power cable, microscope cover, oil bottle, cleaning cloth, attachment for camera. |
| Olympus EP50 digital camera | | EP5G 5 MP color CMOS WIFI camera,  Image Sensor Color CMOS Sensor Size 1/2 inch (7.140 x 4.980 mm)  Resolution (max.) 2592 \* 1944 pixels (Snap Shot), Pixel Size 2.4 x 2.4 pm, AD Converter (Bit Depth) 8 bit  Exposure Time From 1 ms to 980 msec,  Live Frame Rates 30 fps at 1920 x 1080 pixels (@ full resolution), 60 fps HDMI Output at 1,920 \* 1,080  pixels, 20 fps WLAN Output at 1920 x 1080 pixels, Snap Shot only fps at 2,592 x 1944 pixels,  Data Transfer HDMI, WLAN (In use of WLAN Adapter), Ethernet (In use of USB -to-Ethernet adapter),  storage SD Card.  EPview Software full version with PC control and latest windows operating system. 50-inch monitor, 8Gb ram, 1TB hard disc, I5 processor. |
| C mount adaptor | | C mount adaptor and video port analyser. |
| Other | | Provision to demonstration before final approval of the equipment  Equipment should be USA-FDA/ European CE approved.  Documents supporting tract record and satisfactory performance from institution of national importance (minimum one) should be provided.  5-year free service and repair on-site. |