

**CLARIFICATION ON TENDER NUMBER: IISERT/PUR/0098/21**

**ITEM DESCRIPTION- SUPPLY, INSTALLATION AND COMMISSIONING OF UPRIGHT RESEARCH POLARISING MICROSCOPE WITH ACCESSORIES**

REFER OUR TENDER NO: IISERT/PUR/0098/21 DATED 19-AUGUST-2021 FOR SUPPLY, INSTALLATION AND COMMISSIONING OF UPRIGHT RESEARCH POLARISING MICROSCOPE WITH ACCESSORIES

Pre-Bid meeting was held on August 27, 2021 at 16:30 via Google Meet and minutes of meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in **Annexure -II**

The representatives present were satisfied with the replies given and it was informed that the corrections / additions / clarifications given, as discussed during the Pre-Bid Conference would be hosted on the website of IISER Tirupati and all the Prospective Bidders are required to take cognizance of the proceedings of the Pre-Bid Conference before submitting their bids as stipulated in the Bidding Documents.

The other terms & conditions of the notice issued on our IISER website <http://www.iisertirupati.ac.in/> will remain unchanged. No more correspondence in this regard will be entertained.

The meeting ended with vote of thanks to the Chair

**03-09-2021**

Sd/-  
Assistant Registrar (S&P)

**IISER TIRUPATI**

**PRE-BID CONFERENCE SUPPLY, INSTALLATION AND COMMISSIONING OF UPRIGHT RESEARCH POLARISING MICROSCOPE WITH ACCESSORIES**

**TECHNICAL QUERIES AND CLARIFICATION**

**TENDER NUMBER - IISERT/PUR/0098/21**

**DATE: 27/08/2021**

<b>S.No</b>	<b>Query/Clarification Sought</b>	<b>Clarification / Amendment</b>
1	Transmitted illumination: 12V 100 watts Halogen illumination with external power supply and built in provision for uniform illumination throughout the field of view for perfect for digital imaging with Blue filter & neutral density filters.	Transmitted illumination: LED 10W and above (optional: 12V 100 watts Halogen illumination with external power supply), built in provision for uniform illumination throughout the field of view for perfect for digital imaging with necessary filters.
2	Coaxial coarse/fine focus knob; Focus stroke: 30mm; Coarse/Fine, Minimum reading: in 1µm increments, with torque adjustable focus stopper with built in filter cassettes	Coaxial coarse/fine focus knob; Focus stroke: 30mm; Coarse/Fine, Minimum reading: in 1µm increments, with torque adjustable focus stopper with built in filter cassettes/filter sliders
3	Detachable Reversed Centering Quintuple nosepiece or more. Three-way beam splitter Trinocular Eyepiece tube with 100/0, 0/100 and 20/80 light distribution.	Detachable Reversed Centering Quintuple nosepiece or more. Three-way beam splitter Trinocular Eyepiece tube with 100/0, 0/100 and 20/80 or 50/50 light distribution.
4	Universal reflected illuminator (12V-100W illumination) with external power supply with built in 360deg Rotatable Polariser, built in filter sliders of blue, green and density filters with the power cord with spare lamp. ND16 and Green Interference Filters and Double Light Source Adapter	Universal reflected illuminator (LED) with external power supply with built in 360deg Rotatable Polariser, built in filter sliders of blue, green and density filters with the power cord with spare lamp. ND16 and Green Interference Filters and Double Light Source Adapter.

5	P Achromat Flat Field 4X (N.A.0.1, W.D.30mm), 10X (N.A.0.25, W.D.7.0mm), 20X (N.A.0.4, W.D.3.9mm), and 40X (N.A.0.65, W.D.0.65mm) & CFI Plan Fluor 60X Oil with Iris diaphragm (N.A. 0.5-1.25, W.D. 0.20mm) Spring-loaded, CFI P Achromat Flat field 100X Oil (N.A. 1.25, W.D. 0.23 mm).	P Achromat Flat Field 4X/5X (N.A.0.15 or above, large W.D.), 10X (N.A.0.25 or above, large W.D.), 20X (N.A.0.40 or above, large W.D.), and 40X (N.A.0.8 or above, large W.D.) & CFI Plan Fluor 50X/60X Oil with Iris diaphragm (N.A. $\geq 1$ , W.D. large W.D.) Spring-loaded, CFI P Achromat Flat field 100X Oil (N.A. 1.25 or above, large W.D.).
6	<b>Camera:</b> Fourteen-bit High Resolution / High Sensitivity / High Speed 15-megapixel CMOS colour camera for capturing low light, low intensity fluorescent images: 7 $\mu\text{m}$ X 7 $\mu\text{m}$ pixel size High images at 45 fps, F Mount Adapter and USB3.0 Interface with suitable adapters.	<b>Camera:</b> Fourteen-bit High Resolution / High Sensitivity / High Speed 12-megapixel or above CMOS colour camera for capturing low light, low intensity fluorescent images: 7 $\mu\text{m}$ X 7 $\mu\text{m}$ pixel size High images at 45 fps or above, F Mount Adapter and USB3.0 Interface with suitable adapters.  (Or) <b>Camera:</b> Fourteen-bit High Resolution / High Sensitivity / High Speed 20-megapixel or above CMOS colour camera for capturing low light, low intensity fluorescent images: 5.86 $\mu\text{m}$ X 5.86 $\mu\text{m}$ pixel size or above High images at 60 fps or above, F Mount Adapter and USB3.0 Interface with suitable adapters.
7	Offered system should be upgradable to UV/Blue light source and it should be offered as optional accessories.	Newly Added specification
8	Particle distribution software with extended focus imaging (EFI) and multi-image alignment (MIA). (Optional)	Newly Added specification
9	Computer Dell - i5 processor, 8GB RAM, 1TB Hard Disk, 21" monitor, Standard Keyboard & Optical Mouse with UPS	Computer Dell – i7 processor, 16GB RAM, 1TB Hard Disk, 24" monitor, Standard Keyboard & Optical Mouse with UPS capacity 1kVA or more.



IISER TIRUPATI

PRE-BID CONFERENCE SUPPLY, INSTALLATION AND COMMISSIONING OF UPRIGHT RESEARCH POLARISING MICROSCOPE WITH ACCESSORIES

COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT/PUR/0098/21

DATE: 27/08/2021

Sr. No	Query/Clarification Sought	Clarification / Amendment
	-----NIL-----	-----NIL-----