



## भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान तिरुपति

### INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH TIRUPATI

Transit campus: Sree Rama Engineering College Campus, Rami Reddy Nagar, Karakambadi  
Road, Mangalam (B.O), Tirupati - 517 507

Website: <http://www.iisertirupati.ac.in/>

#### CLARIFICATION ON TENDER NUMBER: IISERT/PUR/0101/23

ITEM DESCRIPTION- SUPPLY, INSTALLATION, AND COMMISSIONING OF MOTORIZED INVERTED FLUORESCENCE MICROSCOPE FOR THE BSL-3 LABORATORY AT IISER TIRUPATI.

**REFER OUR TENDER NO: IISERT/PUR/0101/23, DATED: 28/07/2023 FOR THE SUPPLY, INSTALLATION, AND COMMISSIONING OF MOTORIZED INVERTED FLUORESCENCE MICROSCOPE FOR THE BSL-3 LABORATORY AT IISER TIRUPATI.**

The pre-Bid meeting was held on 04<sup>th</sup> August 2023 at 15:30 Hrs. Via Google Meet and the minutes of the meeting is as under.

At the outset, the Chairman welcomed all the Members and the representative of the Prospective Bidders briefed in general the scope of the Project and thereafter requested Deputy Registrar (A&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

16.08.2023

Sd/-  
Deputy Registrar (A&P)



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### Annexure II

## PRE-BID CONFERENCE FOR SUPPLY, INSTALLATION, AND COMMISSIONING OF MOTORIZED INVERTED FLUORESCENCE MICROSCOPE FOR THE BSL-3 LABORATORY AT IISER TIRUPATI

### TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISERT/PUR/0101/23

DATE: 04/08/2023

Sr. No	Query/Clarification Sought	Clarification / Amendment
1	Can the microscope body come with standard type ports of min 1 and max 2	An upgradable camera can not have minimum 1 port. Please see the detail explanation of our requirement below.  Minimum 2 active camera ports with 100% light distribution for parallel detection on both camera for simultaneous fluorescence imaging ( eg. GFP & RFP) for two colour with two cameras.  One Active port for fluorescence Light source (Splitless)  One additional port upgradable (on-site) for colour camera. ( 2+1+ one upgradable)
2	Request to Consider 60/63X Plan Apo 1.4 NA or better with Phase contrast wide field Oil/multi immersion	NA 1.4 is okay to have
3	Request to Consider 60/63X Plan Apo 1.4 NA or better Oil/multi immersion	NA 1.48 - 1.5 is essential to have



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4	100X Semi Apo with 1 NA or better Oil may not be required as the same quality of image can be observed from 60/63x, Plan Apo 1.5 NA	We accept this argument, so the objective with this specification is not required.
5	On stage warm plate: Request to consider 4-48 degrees	Warm plate with temperature range 4-48 degree C is okay
6	Fluorescence Module: 8 position motorised turret filter block. Request you to consider 6 position motorized turret.	5 + 1(empty) position motorized turret is okay to have
7	Long-lasting LED/solid state light source with a guaranteed lifetime of minimum 20,000 Hrs. Request you to consider lifetime of minimum 10,000 Hrs.	Lifetime of minimum 10,000 Hrs is acceptable
8	Suggested to have High grade Graphic card required for Deconvolution and AI	<p>This is a very good suggestion and we explain the requirement for Deconvolution features which was kept as optional item earlier:</p> <p>Software should have online/ real-time 2D deconvolution module for high resolution imaging</p> <p>Software should have interactive drag and drop acquisition modules with Experiment manager/Journal/Jobs/Experiment designer to perform customized experiments etc</p> <p>Optional item: Online 3D deconvolution module to achieve high resolution wide field and confocal images.</p>



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9	What is the software requirement in the data processing additional workstation PC	The additional workstation should have identical high end hardware and all identical softwares as the main licence , required for offline analysis operations mentioned for the acquisition workstation, as above (except the acquisition software module)
10	Can the fluorescence filters be from other manufactures	Filters only from Chroma or Shemrock with tracebale part numbers from OEM should be mentioned and quoted.
11	Future upgradations for super resolution microscopy	All future upgradations required for a super resolution microscope should be done on-site.
12	Optional upgradations for high quality image analysis	Any software or hardware modules that are mentioned as optional upgrade modules in the brochure must be quoted with an appropriate part code and price for better clarity during evaluation of the bids.



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**Annexure III**

**PRE-BID CONFERENCE FOR SUPPLY, INSTALLATION, AND COMMISSIONING OF MOTORIZED INVERTED FLUORESCENCE MICROSCOPE FOR THE BSL-3 LABORATORY AT IISER TIRUPATI**

**COMMERCIAL QUERIES AND CLARIFICATION**

**TENDER NUMBER - IISERT/PUR/0101/23**

**DATE: 04/08/2023**

<b>Sr. No</b>	<b>Query/Clarification Sought</b>	<b>Clarification / Amendment</b>
<b>01</b>	<b>NIL</b>	<b>NIL</b>