



## **INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH**

**PUNE**

**CLARIFICATION ON TENDER NUMBER - IISER-PUR-0512-17**

### **ITEM DESCRIPTION- PROCUREMENT OF MOTORIZED INVERTED FLUORESCENCE MICROSCOPE**

Refer our Press Tender Notice No.IISER/S&P/18/17 dated 14.7.2017 for procurement of Motorized Inverted Fluorescence Microscope. Tender Reference Number - IISER-PUR-0512-17.

Pre-Bid meeting was held on 19<sup>th</sup> July, 2017 at 2.30 PM 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 Pune 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 [www.iiserpune.ac .in](http://www.iiserpune.ac.in) will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

19.7.2017

Sd/-  
Assistant Registrar (S&P)



## IISER PUNE

## PRE-BID CONFERENCE FOR PROCUREMENT OF MOTORIZED INVERTED FLUORESCENCE MICROSCOPE

## TECHNICAL &amp; COMMERCIAL QUERIES AND CLARIFICATION

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DATE : 19.7.17

Sr.No	Query/Clarification Sought	Clarification/Amendment
01	Two-deck system or equivalent laser or fluorescence secondary port optional.	The two-deck system is optional as long as it is possible to introduce a secondary light source.
02	12v, 100w halogen or equivalent LED with fast shutter.	12v, 100W halogen lamp for transmitted light is optional and can be replaced with LED.
03	Objectives not specified with contrast separately for phase, DIC and dry /oil confirmation.	Details of the objective required are: 10x/0.4 NA, Plan Apo; 20x/0.75 NA, Plan Apo; 40x/0.95 NA, Plan Apo; 60x/1.3 NA or 63x/1.2 NA, plan apo, oil; 100x/1.4 NA, plan apo, oil. <b>Please list DIC objectives in main quote and phase objectives as optional items.</b>
04	System must be capable of near simultaneous dual wavelength acquisition with an optical beam splitter. Is this for the secondary fluorescence light path?	The system will have a single camera attached so options that split the field of view or fast motorized switching of dichroic mirrors with less than 100 ms delay is preferred.
05	System must be capable of polarized light imaging with fast switching of plane of polarization of excited light. Does this mean for Isotropy/Anisotropy experiment? As polarization of fluorescence cannot be changed, need laser!	When required, the excitation light source must pass through a polarizer. Emission should be collected through an analyzer capable of rotating in parallel or perpendicular angles to the plane of polarization of the excitation light source.

06	No clarity in regards of the Camera & acquisition / analysis software.	Camera is not to be quoted in the tender. Option for attaching a Photometrics EMCCD camera camera via C-mount must be available. Software must be compatible with this camera. Software must be primarily dedicated for controlling the microscope. Dedicated analysis package is not required.
07	Whether you need motorized stage or manual stage?	Motorized stage is required. Manual stage is not necessary.
08	You have mentioned that you want to do near simultaneous dual wavelength acquisition with an optical beam splitter. For this, you need 2 or more wavelengths as the excitation / emission light. Please clarify, if you need dual or triple band filters? If yes, what are the combinations?	See clarification to point 4. In case of beam splitter, dual band pass filters can be considered. If so then the combinations required are GFP/mCherry, GFP/Texas Red and Cy3/Cy5.
09	Please let us know what does it mean by "fast switching of plane of polarization of excited light". Generally the polarized light is used for anisotropy studies. In that case a polarization beam splitter is sufficient to split the emitted light in two plane polarized light. Kindly clarify " <b>fast switching</b> " and "polarization of <b>excited light</b> ".	See clarification to point 5. Fast switching refers to switching angle of analyzer between parallel and perpendicular positions.