



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

PREBID CLARIFICATION ON TENDER NUMBER - IISER/PUR/1553/22

Item Description- Procurement of Advanced Laser Scanning Confocal Microscope

Refer an open tender published on Institute website www.iiserpune.ac.in and on CPP Portal on 01/12/2022 for procurement of Advanced Laser Scanning Confocal Microscope.

Pre-Bid meeting was held on 09/12/2022 at 3.00 PM and minutes of meeting is as under:

At the outset, the committee welcomed all the Members and the representative of the Prospective Bidders and briefed in general the scope of the tender and thereafter requested Assistant Registrar (S&P) to brief the bidders on the salient features of the tender.

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 will remain unchanged. No more correspondence in this regard will be entertained

The meeting ended with vote of thanks to the Chair

09/12/2022

Sd/-
Assistant Registrar (S&P)

TECHNICAL QUERIES AND CLARIFICATION

PRE-BID CONFERENCE FOR ADVANCED LASER SCANNING CONFOCAL MICROSCOPE

S. No	Query/Clarification Sought	Clarification / Amendment
1	<u>Query : Chapter No.04 Page No.22:</u> Compact confocal scan head attached to the back port / Side port of the microscope frame.	<u>Chapter No.04 Page No.22 is amended as:</u> Compact confocal scan head attached to the back port/side port of the microscope frame
2	<u>Query : Chapter No.04 Page No.22 Point No2:</u> AOTF/Dedicated 405 port with DMOD to control the lasers tuning and switching to help in simultaneous and sequential imaging controlling from the software.	<u>Chapter No.04 Page No.22 Point No2 is Amended as:</u> AOTF to control the laser tuning and 405 laser can have AOTF or DMOD based laser control.
3	<u>Query : Chapter No.04 Page No.22 Point No 4:</u> Galvanometer-based laser scanning module with at least 7-10 fps at 512 x 512 pixels at 1x zoom or better should be quoted.	<u>Chapter No.04 Page No.22 Point No 4 is Amended as:</u> Amendment: Galvanometer based laser scanning module with at least 7-10fps at 512 x 512
4	<u>Query : Chapter No.04 Page No.22 Point No10:</u> Solid state laser lines for 405 nm, 458/448 nm, 488 nm, 514 nm, 561nm, 633/638 nm should be quoted with the laser power suitable for imaging reasonably thick samples and bleaching samples.	<u>Chapter No.04 Page No.22 Point No10 is Amended as:</u> Solid state laser lines for 405 nm, 458/448 nm, 488 nm, 514 nm, 561nm, 633/638 nm should be quoted with the laser power suitable for imaging reasonably thick samples and bleaching samples.
5	<u>Query : Chapter No.04 Page No.22 Point No.6:</u> Spectral separation module should be provided with 5 nm or better wavelength resolution and can be imaged by the PMTs simultaneously or sequentially	Tender specification prevails
6	<u>Query : Chapter No.04 Page No.22 Point No 8:</u> System should have 1No. PMTs and 2 No. high-sensitivity PMTs (GaAsp, or HyD or HSD) and one PMT transmitted detector dedicated for DIC or bright field imaging in the confocal mode.	<u>Chapter No.04 Page No.22 Point No 8 is amended:</u> System should have 2 PMT and 2 High sensitive PMT. Or 2 PMT and 1 high sensitive spectral detection PMT array which can also use in channel mode and 1 PMT transmitted detector for DIC or bright-field imaging in confocal mode

7	<u>Query : Chapter No.04 Page No.22 Point No10:</u> Solid state laser lines for 405 nm, 488 nm, 561nm, 640 nm should be quoted with the laser power suitable for imaging reasonably thick samples and bleaching samples.	Tender specification prevails
8	<u>Query : Chapter No.04 Page No.22 Point No 4:</u> Scanner field of view should be 20mm or higher	Tender specification prevails
9	<u>Query:</u> Online super resolution capturing module to achieve 120 nm or better resolution in X-Y & 200 nm or better in Z .	Tender specification prevails
10	<u>Query : Chapter No.04 Page No.21 Point No 8:</u> 10x/0.4 (air objective) or better NA with DIC, 20x/0.6 (air objective) or better NA with DIC, 40x/0.9 (air objective) or better NA with DIC, 40x/1.3 (oil immersion objective) or better NA with DIC, 60x or 63x/1.4 (oil immersion objective) or better NA with DIC, 100x/1.4 (oil immersion objective) or better NA with DIC.	Tender specification prevails
11	<u>Query : Chapter No.04 Page No.21 Point No 11:</u> Peltier cooled 5 MP camera with 60% or higher QE. 12 bit or 16 bit with at least 30 fps in full frame. Should be provided with a suitable C-mount on the right side of the microscope.	<u>Chapter No.04 Page No.21 Point No 11 is Amended as:</u> Peltier cooled 5 MP monochromatic camera with 60% or higher QE. 12 bit or 16 bit with at least 30 fps in full frame. Should be provided with a suitable C-mount on the right side of the microscope.