



## INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH PUNE

### **PREBID CLARIFICATION ON TENDER NUMBER - IISER/PUR/0009/22**

Item Description- Procurement of Monochromator Coupled with Detectors.

Refer an open tender Enquiry published on Institute website [www.iiserpune.ac.in](http://www.iiserpune.ac.in) and on CPP Portal on **06/07/2022**.

Pre-Bid meeting was held on **13/07/2022** at **3.00 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 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](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

**13/07/2022**

Sd/-  
**Assistant Registrar (S&P)**

**IISER PUNE**  
**PRE-BID CONFERENCE FOR PROCUREMENT OF MONOCHROMATOR COUPLED WITH DETECTORS**

**IISER/PUR/0009/22**

**TECHNICAL QUERIES AND CLARIFICATION**

S. No	Query/Clarification Sought	Clarification / Amendment
1	<p><b>Spectrometer-Tendered Specification-</b>Quad turret having 4 gratings (Page No.21, Point No.1)</p> <p><b>Kindly allow for quoting triple turret grating with extra turret for 4th grating</b></p>	<p>We either allow a quad turret with 4 gratings (preferred) as specified in technical specification no. 5, or we allow two triple turrets with the following specifications:</p> <p>Triple turret 1: Gratings required:</p> <ol style="list-style-type: none"> <li>1) 150 lines/mm, blazed at 500 nm (+/- 50 nm)</li> <li>2) 300 lines/mm, blazed at 500 nm (+/- 50 nm)</li> <li>3) 600 lines/mm, blazed at 500 nm (+/- 50 nm)</li> </ol> <p>Triple turret 2: Gratings required:</p> <ol style="list-style-type: none"> <li>1) 150 lines/mm, blazed at 500 nm (+/- 50 nm)</li> <li>2) 300 lines/mm, blazed at 500 nm (+/- 50 nm)</li> <li>3) 1200 lines/mm, blazed at 500 nm (+/- 50 nm)</li> </ol>
2	<p><b>Adaptive focusing- Tendered Specifications-</b>Automatic focusing on the camera on the exit port, when changing between gratings and cameras. There should be no need for tedious physical adjustment of detector camera at the exit ports. (Page No. 21, Point No.4, Sub-point-1)</p> <p><b>Kindly allow for sliding tube focus adjustment.</b></p>	<p>Sliding tube focus adjustment is allowed</p>
3	<p><b>No. of inputs- Tendered Specifications-</b> 2 entrance slits (Page No. 21, Point No.3)</p> <p><b>Kindly allow for One entrance slit if possible in your setup.</b></p>	<p>One entrance slit is allowed</p>

4	<p>CCD Cooling temperature &amp; Dark Current:  CCD Cooling temperature -80 deg C or lower:  Dark Current- 0.001 e-/pixel/sec or Lower (Page No.21, Point No.9)</p> <p><b>Kindly allow for CCD Cooling temperature -60° C &amp; Dark Current &lt; 0.01 e/p/s</b></p>	CCD cooling temperature of -60° C or lower, dark current < 0.01 e/p/s is allowed
5	<p>Delivery Time- 90 Days after placement of purchase order/ after opening of LC. (Page No.11, Point No.2)</p> <p><b>Semiconductors are in great shortage and lead time to obtain ccd chips is longer than ever before.  Due to these genuine reasons, keep the delivery time as "Withing 120 days after the receipt of export license"</b></p>	Up to 120 days of delivery time after placement of purchase order is allowed.
6	Warranty- 3 year warranty	Tender terms remain unchanged
7	<p>Slit widths range: At most 10 micron (lower limit) to at least 2.5 mm (upper limit)</p> <p><b>Need Change: We have two options: 0-2mm in 2 micron steps &amp; 0-7mm in 6.25 micron steps.</b></p>	Tender terms remain unchanged
8	EMCCD antifringing - CCD with Antifringing	Tender terms remain unchanged
9	<p>EMCCD spectra per second - Spectra per second: At least 600 with full vertical binning, at least 1500 with crop mode at 20 rows</p> <p><b>Need Change: offer 1475 at 20 rows.</b></p>	1475 spectra per second at 20 rows in crop mode is allowed.
10	<p>EMCCD vertical clock speed - Tendered Specification - Vertical clock speed: 10 (or smaller) to 45 (or larger), selectable by software</p> <p><b>Need Change: We offer 4.9, 9.6, 19 software-selectable</b></p>	Tender terms remain unchanged