

**PREBID CLARIFICATION**

**I-HUB QUANTUM TECHNOLOGY FOUNDATION, IISER, PUNE**

First Floor, Main Academic Building, IISER Campus, Dr Homi Bhabha Rd, 411008

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Tender Ref. No: **I-HUBQTF/PUR/22-23/013**

Tender Published Date: **06/03/2023**

Tender ID: **2023\_IISRP\_743968\_1**

Pre-bid Conference Date: **15/03/2023, 15:00**

Item of Procurement: **Electron Multiplying CCD Camera**

Clarification Date: **21/03/2023**

At the outset, the Technical Committee welcomed all the Members and the Representatives of Prospective Bidders and briefed in general the scope of the tender and thereafter requested Prof. Thomas Pucadyil 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 I-HUB QTF, 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. Attached is the detailed technical and commercial queries with their clarifications (Annexure I).

The other terms & conditions of the notice issued on the I-HUB QTF's website (quantech.org.in) will remain unchanged. No more correspondence in this regard will be entertained. The meeting ended with vote of thanks to the Chair.

Sd/-

**Chief Executive Officer**

Sd/-

**Project Director**

**TECHNICAL AND COMMERCIAL QUERIES AND CLARIFICATION – ANNEXURE I**

| SN | Query / Clarification Sought   | Clarification / Amendment  |
|----|--|--|
| 1  | <b>Request to change the delivery period as " Within 120 days after receipt of export license"</b>                 | Delivery period extended to 120 days after receipt of export license, IF any export license to be obtained, otherwise the delivery period will be 120 days after receipt of PO |
| 2  | <b>Request to clarify if - 100C deep cooling is required by you to achieve the lowest dark current of 0.00015?</b> | Deep cooling is amended to -90 Deg C   |
| 3  | <b>Request to increase the marks qualifying criteria to 95</b>   | Marks remain unchanged   |
| 4  | <b>PC interface to include GigE</b>  | USB/Ethernet/GiGE or equivalent for the fastest data transfer and control  |
| 5  | <b>Pixel readout rates to be changed to (5, 10, 20, MHz) in EM mode</b>  | Remains unchanged  |
| 6  | <b>PC Interface to be GigE</b>   | PC interface to be USB/Ethernet/GigE for fastest data transfer and control of the EMCCD  |
| 8  | <b>Clock Induced charge measured in e/pixel/frame 0.002</b>  | This remains unchanged, however, the supplier needs to be provide the measurement procedure for any other types of measurement.  |
| 9  | <b>Time stamp accuracy to be changed to 100 ns</b>   | Time stamp accuracy remains unchanged  |