

Ref: AFMM/NR/Camera/2018

23 November 2018  
Bangalore

From  
Convenor,  
AFMM, IISc

Dear Sir/Madam

We seek quotations for a bottom-mounted CMOS camera for the existing 300 kV Tecnai F30 microscope for the Advanced Facility for Microscopy and Microanalysis at the Indian Institute of Science. Commercial terms and conditions and specifications are provided below.

**Your response to this request for quotation should be received no later than 17 December, 2018**

  
CONVENOR  
(N. Ravishankar)  
AFMM  
Indian Institute of Science  
Bangalore - 560 012, INDIA

The Assistant Registrar  
Purchase Section  
IISc.

# **Tender Notification for procuring a bottom – mounted CMOS Camera for existing 300KV Tecnai F30 microscope for the Advanced Facility for Microscopy and Microanalysis at IISc., Bangalore.**

**Sub: Request for quotations for CMOS Camera for existing microscope (300KV Tecnai F30)**

## **Commercial Terms and Conditions:**

1. Quotations are invited in a two - bid system (separate technical and financial bid) in sealed tenders.  
The supplier is requested to provide compliance statement for each of the items listed in the technical specifications and demonstrate compliance after complete installation.
2. Technical bid and financial bid to be sent to :  
Prof. N. Ravishankar  
Materials Research Centre,  
Indian Institute of Science,  
Bangalore – 560 012
3. The last date for receiving tender quotations will be : 17<sup>th</sup> December, 2018
4. Technical bids will open first.  
The buyer may seek clarifications after opening of technical bids.  
The supplier will be informed the dates of presentation, if required.
5. The technical bid must be the exact format of quotation of the price bid without including any other prices. Do not include any price information in the technical bid.
6. The supplier must quote in specific format to facilitate for the comparative statement of prices and technical evaluation.
7. Only technically qualified bids will be considered for further action.

8. The price bids will be opened in the presence of technically qualified supplier and the purchase committee.
9. The quotations will be for CIF, IISc., Bangalore. The insurance and the freight charges must be indicated in the CIF.
10. The warranty should be for atleast one year.
11. Terms of Payment: As per negotiation.
12. The supplier shall clearly indicate the exact delivery period in the technical bid.

## **Specifications for a bottom mounted CMOS Camera for the existing 300KV Tecnai F30 microscope.**

1. The CMOS Camera will be used for acquiring diffraction patterns including CBED, conventional bright field and dark field images, phase contrast images and STEM images. The camera should have suitable dynamic range for capturing all images as indicated above.

### **Technical Specifications:**

1. Must be CMOS technology camera.
2. Resolution of the camera atleast 2K X 2K.
3. Field view must be specified with respect to standard plate film (65mmX65mm). Should be atleast 35% of standard plate film.
4. Frames speed > than 30/sec, full field with video recording capability.
5. Atleast 16-bit dynamic range.
6. Bottom mounting with all appropriate connectors and safety shielding for 300KV tecnai F30 microscope.
7. Software for acquisition and online analysis of images must specify image formats and describe software details. The software capability (Online/Offline) including image analysis / processing is a critical component for the selection of the camera. Mention compatibility with existing softwares like TIA and digital micrograph/GMS.
8. Please provide a detailed response (compliance statement) for each of the point mentioned above.
9. Provide a list of installations of the specified camera on a tecnai instrument (in any lab – not restricted to India).
10. The supplier is responsible for installation and demonstration of operations on site.
11. If multiple camera options are available, please provide each one as separate option.
12. After technical qualifications, the final choice will be made based on the lowest price quote.

<b>1</b>	<b>Publishing/uploading tender document to IISc Website</b>	<b>28.11.2018</b>
<b>2</b>	<b>Last date for submission of bids</b>	<b>17.12.2018, 5.00 PM</b>
<b>3</b>	<b>Technical bids opening</b>	<b>24.12.2018 (Forenoon)</b>
<b>4</b>	<b>Commercial bids opening</b>	<b>24.12.2018 (Afternoon)</b>