

CLARIFICATION ISSUED TO QUERY FROM M/S. LEICA AND AMENDMENTS THEREOF.
EXTENSION OF DUE DATE TILL 27.11.2013.

QUERIES	COMMITTEE DECISION
<p>As the systems differ widely on technology, sensitivity and price, we request you to compare the accessory cost separately, by keeping the FLIM accessory as optional. Leica can supply FLIM with APD detectors only which is highly costlier than a GaAsP based system, The advantage of APD detectors are mentioned below:</p> <ol style="list-style-type: none"> 1. APD have sensitivity above 65% 2. APD also have better sensitivity in the red emission range upto 1000 nm whereas HyD ends with 750 @very low QE of 10% 3. Same APD can be used for imaging UV to far red region. That may not possible with FLIM hybrid. 4. For SMD applications, APD's are always superior than GaAsP detectors. Looking at your future requirement APD offers most comprehensive solution as compare to FLIM hybrid. Hence both can't be compare to price and feature. 	<ol style="list-style-type: none"> 1. As FLIM is a major requirement of the institute this cannot be quoted as optional. 2. It is true that as technology differs widely each detector shows its own advantage and disadvantage however the quoted model should meet the requirement of the institute. 3. As per the document available from the website of major FLIM providers [M/s. Becker & Hickl GmbH and M/s. Picoquant] APD shows sensitivity above 65% only at a particular wavelength, above and below which quantum efficiencies decreases continuously with wavelength. 4. Even though APD shows sensitivity from UV to far red region (1000nm) as indicated in the pre bid clarifications (no.17) the region of interest for the institute is only 400-750nm

However as a wide variation of different types of detectors are available to ensure the minimum quality the committee decided to amend the following to the clarification made. The detector should cover the requested 400-750 nm spectral regions and must have minimum 40% quantum yield in the spectra region from 500 to 600 nm, The dark current rates should not exceed 600 counts per seconds at 20 Degree C.

The specifications stand amended to the extent above. The due date for submission stands extended to 27.11.2013 12.00 pm IST and the bids would be opened at 14.00 hrs IST.

Stores & Purchase Officer