INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH

PUNE

CLARIFICATION ON TENDER NUMBER - IISER-PUR-0804-14

ITEM DESCRIPTION- PROCUREMENT OF FLUROESCENCE MICROSCOPE

Refer our Press Tender Notice No.IISER/S&P/9/14 dated 24.11.2014 for procurement of Fluorescence Microscope . Tender Reference Number – IISER-PUR-0804-14.

Pre-Bid meeting was held on 03rd December, 2014 at 3.30 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 Project and thereafter requested Assistant Registrar (S&P) to brief the vendors on the salient features of the commercial terms and the indenting Officer to read out the clarification sought by the Prospective Bidders and replied thereto as detailed in Annexure -II

The representatives present were satisfied with the replies given and it was informed that the corrections / additons / 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

Sd/-

3.12.2014 Assistant Registrar (S&P)

ANNEXURE -II

IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF FLUROESCENCE MICROSCOPE

TECHNICAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-0804-14 DATE : 03.12.14

S.No	Query/Clarification Sought	Clarification / Amendment
1	**Page No -23, Chapter 4, Point # 1** Whether "built-in motorized Z-focusing drive with step size of 15 nm or better" : We would like it to be "built-in motorized Z-focusing drive with step size of 25 nm or better". The reason is Nikon has 25nm step size. Even if the step size is 15nm or 25nm, it will not make any difference on the optical section due to the limitation of the resolution capability of the objectives. Even if the step of optical section is taken as 15nm then also the result will end	**Page No -23, Chapter 4, Point # 1** With reference to the step size of the Z focusing Drive, it is okay to have up to 30 nm step size as requested by vendor, however during imaging of specimens that requires a larger Z stack/ smaller intervals the reproduce-ability and Repeatability is higher when we have a finer step size of 15 nm with more precision.

	up in oversampling & there will not be any difference between the two step sizes. So, if you amend it to 25nm or better, then Nikon also can get fair chance to participate. To support this statement, the Annexure 1 is attached for your reference	
2	**Page No -24, Chapter 4, Point # 8** High Resolution Cooled Monochrome Digital CCD Camera: We request you to amend it as CCD or CMOS Camera. The sCMOS cameras are also very well comparable with CCD cameras. To explain this, no camera technology can provide all three features "SPEED"+ "Sensitivity" +Q.E, whether you take CCD/EMCCD. Amongst these three; only two features are fulfilled with CCD but its only sCMOS in the market which can take care very well about **all** three: SPEED" + "Sensitivity" + "Q. E.". In case of Nikon DS-Qi2 CMOS Monochrome Cooled Camera, it gives QE of 77%, better speed with better resolution and much wider area.	**Page No -24, Chapter 4, Point # 8** Regarding the amendment of camera from CCD to sCMOS, Customer prefers to have a CCD rather that a sCMOS so as to have a better signal to noise ratio, i.e. better noise free image.
3.	**Page No -23, Chapter 4, Point # 1** Automatic Filter Cube Identification Device – Does this specification means when filer cube changes it should be detected by software or auto detection in hardware component? If it is software criteria for detection then all the companies including us can provide the solution. If it is hardware base component device then only one company can provide this**.** Hence we request you to elaborate and specify that it is software base auto detection.	**Page No -23, Chapter 4, Point # 1** Automatic filter cube identification. This was required because of the larger number of filter sets that going to be used. While changing the filter cubes the automatic hardware recognition will identify the filter cube precisely to the position in the filter cube thereby avoiding errors. It is not mandatory but a preferred option. Others can quote.

4	**Page No -24, Chapter 4, Point # 8** High resolution cooled monochrome digital CCD Camera – Monochrome cameras are good for the sensitivity if the pixel size is 6.45 X 6.45 microns. These sizes CCD chip all the microscopy companies are having. If we Google, we will get ample of publication with 1.4MP camera with above pixel size, with adequate supporting reasons for the same. At present from Leica we don't have monochrome CCD with 6 mp resolution. We have enquired from our other camera supplying companies (photometric, Hamamatsu & Andor) for 6 mp CCD and none of them have such specifications camera. In fact CCD with 6mp resolution is only possible from Carl Zeiss. Hence we request you to change the camera specification.	**Page No -24, Chapter 4, Point # 8** 6 MP camera is what we need our experiments. This is an absolute must.
5	**Page No -24, Chapter 4, Point # 10** Structured Illumination: Instead of structured illumination if we can offer deconvolution from renowned companies	**Page No -24, Chapter 4, Point # 10** Request is for structured illumination "structured illumination attachment for high resolution fluorescence imaging should be offered as standard. The system should be able to record, store and retrieve grid positions from the software for automated multi-channel fluorescence imaging." Deconvolution software cannot fulfill these requirements
6	**Page No -23, Chapter 4, Point # 1** Line no 3 "Automatic filter cube identification device" this is a patent from Zeiss and needs to be deleted. In Olympus case then filters can be configured by touch panel control as well as software?	**Page No -23, Chapter 4, Point # 1** This is required because of the larger number of filter sets that going to be used. While changing the filter cubes the automatic hardware recognition will identify the filter cube precisely to the position in the filter cube thereby avoiding errors. It is not mandatory but a preferred option. Others can quote.

7	**Page No -23, Chapter 4, Point # 1** Line No 4. Apochromaticaly corrected fluorescence light path" since you have asked for metal halide lamp which has fiber optics delivery system it cannot be apochromatically corrected. This will only required when there is a discrete coupling of lamp source?	**Page No -23, Chapter 4, Point # 1** The apochromatically corrected light path is that has been requested refers to the light path inside the microscope body and not in the light source or light delivery to the microscope.
8	**Page No -23, Chapter 4, Point # 2** Stage travel range should be mentioned as 114 × 76 mm or more instead of 130 × 76 mm?	**Page No -23, Chapter 4, Point # 2** Specified travel range is required the experimental needs i.e. Multi point acquisition; you can still quote your stage.
9	**Page No -23, Chapter 4, Point # 5** Line no 2 Plan Apo 20 × 0.8, we can provide 0.85 oil and 0.75 dry?	**Page No -23, Chapter 4, Point # 5** "Plan Apo 20X/0.8 " you can quote objectives with N.A of 0.75 or above.
10	**Page No -23, Chapter 4, Point # 5** Last line multi-immersion objective should be deleted and a specific immersion should be mentioned?	**Page No -23, Chapter 4, Point # 5** Water, glycerine and oil
11	**Page No -24, Chapter 4, Point # 8** Fire wire or USB interface should be mentioned?	**Page No -24, Chapter 4, Point # 8** The need is faster data transfer and also be provided by Firewire or USB 3.

12	**Page No -24, Chapter 4, Point # 9** Storage of all incubation data linked to images?	**Page No -24, Chapter 4, Point # 9** It is not mandatory but a preferred option. Same may be quoted accordingly.
13	**Page No -24, Chapter 4, Point # 10** Wide field Confocal instead of structured illumination?	**Page No -24, Chapter 4, Point # 10** Request is for structured illumination "structured illumination attachment for high resolution fluorescence imaging should be offered as standard. The system should be able to record, store and retrieve grid positions from the software for automated multi-channel fluorescence imaging." Deconvolution software cannot fulfill these requirements

ANNEXURE -III

IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF FLUROESCENCE MICROSCOPE

COMMERCIAL QUERIES AND CLARIFICATION

TENDER NUMBER - IISER-PUR-0804-14 DATE : 03.12.14

S.No	Query/Clarification Sought	Clarification / Amendment
	----------NIL----------	----------NIL----------