



INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH
PUNE

CLARIFICATION ON TENDER NUMBER - IISER-PUR-1107-18

ITEM DESCRIPTION- PROCUREMENT OF WHOLE ANIMAL IMAGING SYSTEM

Refer our Press Tender Notice No.IISER/S&P/13/18 dated 12.12.2018 for procurement of Whole animal Imaging System. Tender Reference Number - IISER-PUR-1107-18.

Pre-Bid meeting was held on December 19th , 2018 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 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 / 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

19.12.2018

Sd/-
Assistant Registrar (S&P)

**IISER PUNE****PRE-BID CONFERENCE FOR PROCUREMENT OF WHOLE ANIMAL IMAGING SYSTEM****TECHNICAL QUERIES AND CLARIFICATION**

TENDER NUMBER - IISER-PUR-1107-18

DATE : 19.12.18

Tender Spe. No.	Query/Clarification Sought	Clarification / Amendment
1	Clarification regarding species compatibility.	Should be fully automatic system to image live small animals including mice and rats. The system should also be compatible with limited superficial imaging of larger animals like hamsters and rabbits.

2	Clarification sought on the excitation and emission filters.	The system should be suitable for fluorescence, bioluminescence (filters ranges up to 415 nm to 850 nm) chemiluminescence and radioisotopic cerenkov studies for in-vivo and in-vitro use. There should be at least 10 excitation filters covering the 415 nm to 765 nm (bandwidth of 35 nm each for 10 filters) and at least 18 narrow bandpass emission filters covering the 490 nm to 850 nm range (20 nm bandpass filters for 18 filters).
4	Clarification sought on 3D imaging	The system should be able to create 3D images using optical light for accurate reconstruction of light sources in deep tissues. The system should be capable of generating transaxial, sagittal and coronal views.
5.	Camera specifications	High sensitivity back illuminated CCD camera with at least 4 megapixels. The pixel size should be at least 13 x 13 um. The quantum efficiency of the camera should be at least 85% for the 500 to 700 nm range.
6.	Chapter 4 , Schedule of requirement, Specifications and Allied technical details	Chapter 4 , Revised Schedule of requirement, Specifications and Allied technical details appended below

Revised Technical Specifications for Whole Animal Imaging System- 01 No

Sr. no.	Specification	Point grade
1	Should be fully automatic system to image live small animals including mice and rats. The system should also be compatible with limited superficial imaging of larger animals like hamsters and rabbits.	10
2	The system should be suitable for fluorescence, bioluminescence (filters ranges up to 415 nm to 850 nm) chemiluminescence and radioisotopic cerenkov studies for in-vivo and in-vitro use. There should be at least 10 excitation filters covering the 415 nm to 765 nm (bandwidth of 35 nm each for 10 filters) and at least 18 narrow bandpass emission filters covering the 490 nm to 850 nm range (20 nm bandpass filters for 18 filters). Camera: High sensitivity, back illuminated CCD camera with at least 4 megapixels. The pixel size should be at least 13 x 13 um. The quantum efficiency of the camera should be at least 85% for the 500 to 700 nm range.	8
3	The system should provide 3D surface topography feature for single-view diffuse tomographic reconstructions of internal sources.	4
4	The system should be able to create 3D images using optical light for accurate reconstruction of light sources in deep tissues. The system should be capable of generating transaxial, sagittal and coronal views.	4
5	The system should quantify the depth, geometry, and brightness of a fluorescent or bioluminescent source in 3- dimensional space using 3D tomography and should be able to co-register organs from the Mouse Atlas on a 3D image for exact positioning of point source.	7
6	Data generated should be in absolute calibrated data according to the National Institute of Standards and Technology (NIST).	6
7	The system should be sensitive enough to image single cells in vivo & in vitro with proven data and literature support.	7
8	The system should be capable of doing both Epi-Illumination and Trans-illumination for localization and quantification of deep tissue sources.	4

9	The system should be compatible with imaging facilities animal in a bio-contaminant environment for infectious diseases, a self-contained imaging chamber compatible with standard disinfectants for this purpose must be available.	7
10	Gas anaesthesia ports and multi-position manifold with gas flow controller should be included. Complete working configuration inclusive of hardware/ software, tubing, valves, should be supplied.	5
11	System should be capable of use the 3D optical tomographic modules with integrated markers to seamlessly co-register with computed tomographic platform data.	4
12	The company should provide complete catalog of fully compatible in house reagent & cell line support manufactured by the same company required for in vivo experiments; pre-optimized on the instrument.	5
13	The company should have minimum of 5 installations of similar systems in India. List of current installations in India should be provided.	3
14	The company should offer the latest and most updated model and should have a dedicated training centre with documented proof of conducting regular training for research applications.	7
15	The company should provide a comprehensive plan for on-site training, conducting workshops, continuous technology/software upgrade during and beyond the warranty period.	10
16	Three Years Warranty should be provided.	3
17	Post warranty AMC/CMC should be quoted.	3
18	UPS should be quoted for all modules	3
	TOTAL	100



IISER PUNE

PRE-BID CONFERENCE FOR PROCUREMENT OF WHOLE ANIMAL IMAGING SYSTEM**COMMERCIAL QUERIES AND CLARIFICATION**

TENDER NUMBER - IISER-PUR-1107-18

DATE : 19.12.18

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