

NIPER-G/PUR/GLOBAL/2018/09

General Technical Specifications for Small Animal Imaging System

Specification as per the previous	Amended Specifications
1. The animal imaging system should be suitable for bio photonic imaging of small animals (Rat and mice, optional: upgradable to Rabbit and guinea pig) for drug discovery application such as pharmacological screening of animal models in the areas mainly cancer, inflammatory diseases, metabolic diseases etc., along with pre-clinical toxicology and nano delivery applications.	The animal imaging system should be suitable for optical imaging of small animals (Rat and mice, optional: upgradable to Rabbit and guinea pig) for drug discovery application such as pharmacological screening of animal models in the areas mainly cancer, inflammatory diseases, metabolic diseases etc., along with pre-clinical toxicology and nano delivery applications.
2. The equipment should be fully automatic and should have the possibility to image 3D images or 4D images of the organs.	The equipment should be fully automatic and should have the possibility to image 3D images or better for the organs mostly and may be the whole body in certain applications.
3. System should be Portable: able to be move between experimental rooms	System should be Portable: able to be move between experimental rooms. In case of laser based systems, if system is not portable, system should quote for a sterile cabinet or transfer station as main item.
4. Multi- modality imaging and the possibilities of co- registration of the images for the vascularity measurements	No change
5. The illumination source should cover the spectrum from 700 -2000 nm	The illumination source should cover the spectrum from 700 -1400 nm or more
6. Possibilities of tumour hypoxia imaging	No change
7. Possibilities of imaging 4 dimensional cardio vascular functions and cardio toxicity	No change

8. <i>In-vivo</i> bio distribution of samples/contrast agents	No change
9. Gas anaesthesia system with gas anaesthesia ports and 3-5 position manifold with gas flow controller should be supplied inclusively with hardware/software, tubing, valves etc	No change
10. Automated waste gas removal from animal cabinet is required.	No change
11. The system must come with complete pre-installed software package for detection, quantification and analysis.	No change
12. Facility for the physiological monitoring of animals.	No change
13. The system should come with a heated stage/animal bed (with range 20-40°C temperature) to maintain the physiological temperature	No change
14. The system must have the ability to perform progressive or longitudinal studies in Mice & Rats for tumour growth and Bio-distribution	No change
15. The same system should have the possibility of anatomical, functional and molecular imaging in real time	No change
16. System should be capable of real-time imaging with high frame rates (200-500 fps) along with high resolution (30 µm) or more resolution must be available.	No change
17. Capability to perform image guided injections in real time.	No change
18. Inter changeable light delivery for the customized depth, sensitivity and	No change

resolution	
19.Open access imaging environment	No change
20.Dedicated support (by phone and email) for all questions regarding the system and applications has to be available.	No change
21.Application specific training minimum of one month for users should be given and also should available on a regular basis from locally based application scientist.	No change
22.System should quote with 10 KV UPS with minimum of 1hr backup	No change
23.System should quote with 3 years warranty for both equipment and accessories including laser.	No change
24.Optional: system should quote for a sterile cabinet or transfer station to maintain sterile conditions for handling nude or SCID mice.	No change
	System should quote with required reagents & cell lines for in vivo experimentation as optional items

Sd/-
Purchase officer

General Terms and Conditions applicable to all 13 tenders published in newspaper on 19th February 2018 and exhibited in NIPER Guwahati website.

Following additional information is provided for the information of prospective bidders for 13 different items for which tender inquiry is issued:

1. Payment terms:

Considering the request made by few prospective bidders during the pre-bid conference held in the institute on 22nd February 2018, regarding payment terms related with foreign suppliers it is clarified that the **indicated payment terms in the tender documents still remains unchanged.** However Director, NIPER Guwahati **at his own discretion** can consider any other mode of payment requested by suppliers based on the reputation, credentials of foreign suppliers in the field and also protecting the interests of NIPER Guwahati. **No request for advance payment will be considered.**

2. Clarification with regard to projecting the cost implications of free delivery of the item at NIPER Guwahati premises.

Subsequent to the Pre-bid conference with regard to projection of price for items coming from abroad, the following guidelines may be followed:

- A) The F.O.B. C.I.F., C.I.P. prices as per the suppliers quote should be indicated in foreign currency only
- B) The additional cost towards payments of custom duty against duty exemption certificated provided by the institute, clearance charges, forwarding consignment from port of clearance to NIPER Guwahati premises etc. can be quoted in Indian currency.

For comparing the price with other bids, the institute at the time of preparing comparative chart for the tenders, the total F.O.B., C.I.F., C.I.P. cost will be converted into equivalent Indian currency at the exchange rate prevailing on the date of tender opening i.e. 13th February

2018 at 1500 hours IST and add the equivalent Indian currency value to the clearance and forwarding charges indicated by the supplier.
