Bid Number: GEM/2023/B/2963511
Dated: 27-01-2023

Bid Corrigendum

GEM/2023/B/2963511-C1

Following terms and conditions supersede all existing "Buyer added Bid Specific Terms and conditions" given in the bid document or any previous corrigendum. Prospective bidders are advised to bid as per following Terms and Conditions:

Buyer Added Bid Specific Additional Terms and Conditions

1. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
2. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
3. Bidders can also submit the EMD with Account Payee Demand Draft in favour of National Centre for Biological Sciences payable at Bangalore.
   Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
4. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of National Centre for Biological Sciences payable at Bangalore. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
5. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
6. Warranty period of the supplied products shall be 2 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.
7. Buyer uploaded ATC document Click here to view the file.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.

3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

*This document shall overwrite all previous versions of Bid Specific Additional Terms and Conditions.

This Bid is also governed by the General Terms and Conditions

national centre for biological sciences
tata institute of fundamental research

GKVK, Bellary Road, Bangalore 560 065
Phone: 080-23666343/344/345/346. Fax: 080-23636662

Ref: NCB/F-222048/2022-2023 (N) **January 27, 2023**

Addendum No:1

Ref.: 1) GEM Bid No.GEM/2023/B/2963511 dt.09/01/2023
2) Tender Notice No: 012/2022-2023, 3) NCB/F-222048/2022-2023 (N)

The following Addendum is issued to our Tender, under Reference No: **1) GEM Bid No.GEM/2023/B/2963511 dt.09/01/2023, 2) Tender Notice No: 012/2022-2023, 3) NCB/F-222048/2022-2023 (N) for revision in Annexure A – Technical Specification.**

FOR

ANNEXURE A – SPECIFICATIONS Multimodal Imaging System with micro CT and SPECT

1.Application- System should be able to perform high-resolution as well as low-dose sub-minute whole-body mice and rat imaging using SPECT imaging and CT-scan modality.

2.Benchtop Micro-SPECT system for small animal imaging:

- High spatial resolution (submillimeter) across the entire Field of View (FOV).
- High energy sensitivity (energy resolution: <11% (Tc-99m)
- Bore size without collimator of 115 mm (no collimator inserted).
- At least two collimators separately for mouse and rat.
- Peak sensitivities: General Purpose (GP) mouse: 0.12%, GP rat: 0.05%.
- Voxel resolution: 0.25 mm (GPMouse), 0.5 (GPRat).
- The system should have a large FOV fully integrated to enable multi-mouse (3 animals) imaging with easy access for multiple intravenous injections using catheters.
- The system should have the capability for rat scanning.
- The system should have fully integrated multi-mouse bed and rat bed with heating mechanisms, respiratory rate monitoring and ECG.
- The system should have the capability for extraction of anaesthesia gases.
- The system has a separate preparation station for animals with its own anaesthesia capability.
- Add-on possibility of modular benchtop CT and PET options.
- Max. dimensions (W x H x D) of 540 x 563 x 540 mm and max weight of 100kg.
- Must provide high-performance iMac workstation that supports the display and analysis of large image volumes. An additional tablet also needs to be supplied to allow seamless operation of the cubes in a multimodal and wireless way.
- Viewing and Analysis Software featuring basic image post-processing capabilities from DICOM v. 3 formats, needs to be supplied.

3.Benchtop Micro-CT system for small animal imaging: Besides a "slip ring design" (standard in clinical instruments) the system should be provided with the following specifications:

- The System should have high spatial resolution of at least 50µm.
- The System should have a large field of view (FOV) to fit multi mouse bed and rat bed.
- Micro CT for *in vivo* and *ex vivo* imaging of all organs including lung, bone, kidney, heart, brain with multispecies imaging capability for small animals such as mice, rat, hamster & zebrafish and with bore size of 65 mm or more for whole body imaging.
- Must permit animal of more than 200 mm scannable range (axial FOV) be stitched together and displayed as a single image.
- System should be capable to do high speed imaging with 20 sec. scan time and less than 1min reconstruction time and be capable for minimum doses below 3mGy.
- System should have infinite rotation range (slipring) and allow circular and helical scanning.
- The system should be enabled with integrated cardiac gating (retrospective) as well as allowing prospective and retrospective respiratory gating.
- Animal beds such as those for mice and rats should be provided, also options for multiple animal scanning.

- Image acquisition and reconstruction needs to be performed on two separate servers to allow high-throughput and allow image acquisition while acquiring data in parallel.
- Detector read out speed of 150 FPS or better in 4x4 and 25 FPS or better in 1x1 binning mode
- The operational instrument noise should be less than 70 dB.
- The reconstruction software should be able to perform sub-volume or slice reconstructions, allow portion of the image to be zoomed in and reconstructed at the highest resolution without the need of additional scan.
- Must have on-screen CT dose display estimated based on dosimetry.
- The radiation safety must be <1µSv/ h at any point 5cm from the external surface.
- One micro-CT QC (quality control) phantom needs to be provided with the system.

4. Warranty, strong service support and other conditions:

- The company should provide a comprehensive plan for on-site training, conducting workshops and software upgrade (if available) every six months during warranty period.
- Company should provide free of cost training within first 6 months after installation to multiple users unless agreed on later dates.
- Trained engineer & application support within India should be available for onsite training & support.
- The company should provide performance proof of similar scope of work in Asia-Pacific or Globally. The supplier should be able to provide list of few installations of Individual Instruments.
- The equipment and all accessories must be provided with a comprehensive on-site warranty for 2 years (24 months) including spare parts and labor.
- Warranty will start from date of successful installation.
- During the Warranty period, the supplier is required to visit at consignee's site 2 times in the year commencing from the date of the installation for preventive maintenance of the Equipment/Stores.
- The Supplier shall ensure continued supply of the spare parts for the machines and Equipment supplied by them to the purchaser for 10 years from the date of installation and handing over. Company should ensure that spare parts will be available till 10 years from the installation.
- Should attend all breakdown calls within 24 hours of the receipt of information from the institute through fax/e-mail/mobile/sms.
- The equipment will be diagnosed with a problem within 72 hours of receiving the complaint and repaired within 4 weeks, failing which the warranty period will be extended by the number of days the instrument is non-functional post 4 weeks.

INFORMATION TO TENDERERS

The Tender shall be evaluated under 2 (Two) Bid System:

I Technical Bid

II Financial Bid

	TECHNICAL EVALUATION CRITERIA WITH MARKS	
Sl. No.	**Essential Features**	**Max Marks**
1	Application	**10**
2	Benchtop Micro-SPECT system for small animal imaging	**30**
3	Benchtop Micro-CT system for small animal imaging	**30**
4	Warranty, strong service support and other conditions	**30**
	Total	**100**
A combined evaluation will be carried out and those vendors who score minimum 75% and above will qualify for price Bid opening. Thereafter, finical proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred vendor for award of order		

N.C.B.S. PURCHASE T.I.F.R.

Ref: NCB/F-222048/2022-2023 (N) January 27, 2023

READ

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   - High energy sensitivity (energy resolution: <11% (Tc-99m)
   - Bore size without collimator of 115 mm or better.
   - At least two collimators separately for mouse and rat.
   - Peak sensitivities: General Purpose (GP) mouse: 0.12%, GP rat: 0.05%.
   - Voxel resolution: 0.25 mm (GPMouse), 0.5 (GPRat).
   - The system should have a large FOV, 240 mm x 60 mm (Axial x Transaxial) or better, fully integrated to enable multi-mouse (3 animals) imaging with easy access for multiple intravenous injections using catheters.
   - The system should have the capability for rat scanning.
   - The system should have fully integrated multi-mouse bed and rat bed with heating mechanisms, respiratory rate monitoring and ECG.
   - The system should have the capability for extraction of anaesthesia gases.
   - The system has a separate preparation station for animals with its own anaesthesia capability.
   - Add-on possibility of modular benchtop CT and PET options.
   - Max. dimensions (W x H x D) of 540 x 563 x 540 mm and max weight of 100kg.
   - Must provide high-performance iMac workstation that supports the display and analysis of large image volumes. An additional tablet also needs to be supplied to allow seamless operation of the cubes in a multimodal and wireless way.
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   - Micro CT for *in vivo* and *ex vivo* imaging of all organs including lung, bone, kidney, heart, brain with multispecies imaging capability for small animals such as mice, rat, hamster & zebrafish and with bore size of 65 mm or more for whole body imaging.
   - Must permit animal of more than 200 mm scannable range (axial FOV) be stitched together and displayed as a single image.
   - System should be capable to do high speed imaging with 20 sec. scan time and less than 1min reconstruction time and be capable for minimum doses below 3mGy.
   - System should have infinite rotation range (slipring) and allow circular and helical scanning.
   - CMOS Detector, one-beam microfocus x-ray source and Full 360 degree continuous rotation gantry
   - The system should be enabled with integrated cardiac gating (retrospective) as well as allowing prospective and retrospective respiratory gating.
   - Animal beds such as those for mice and rats should be provided, also options for multiple animal scanning.
   - Image acquisition and reconstruction needs to be performed on two separate servers to allow high-throughput and allow image acquisition while acquiring data in parallel.
   - Detector read out speed of 110 FPS or better in 4x4 and 25 FPS or better in 1x1 binning mode
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Ref: NCB/F-222048/2022-2023 (N) **January 27, 2023**

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All other terms and conditions of the tender document remain unaltered. Please return the **Addendum No:1 dt.27/01/2023** with your signature, date & stamp.

The Addendum-1 is available in our Web site - http://www.ncbs.res.in/information/tenders.html and also available in Central Public Procurement Portal, http://eprocure.gov.in/cppp.

Thanking you,

Yours faithfully,
For and on behalf of
National Centre for Biological Sciences,

Head-Purchase

N.C.B.S. PURCHASE T.I.F.R.