Bid Number: GEM/2023/B/2963754
Dated: 27-01-2023

Bid Corrigendum

GEM/2023/B/2963754-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. Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods
4. 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.
5. 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.
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-222049/2022-2023 (N) **January 27, 2023**

Addendum No:1

Ref.: 1) GEM Bid No.GEM/2023/B/2963754 dt.09/01/2023
2) Tender Notice No: 013/2022-2023, 3) NCB/F-222049/2022-2023 (N)

The following Addendum is issued to our Tender, under Reference No: **1) GEM Bid No.GEM/2023/B/2963754 dt.09/01/2023, 2) Tender Notice No: 013/2022-2023, 3) NCB/F-222049/2022-2023 (N) for revision in Annexure A – Technical Specification.**

FOR

ANNEXURE A – SPECIFICATIONS - Invivo Optical Imaging System

1.**Application-** System should be able to perform high-sensitivity non-invasive whole-body imaging for mice and rat.

2.In vivo optical imaging system:

- In vivo optical imaging system for highly sensitive imaging system ideal for non-invasive monitoring of small animals such as mice, rat and zebrafish
- System should be capable of optical imaging such as bioluminescence and fluorescence.
- Number of animals to be imaged should be atleast 3 mice
- Should be complete system inclusive of light tight cabinet, CCD camera, excitation LED's and emission filters, sample stage, calibration device, computer workstation and gas anaesthesia system.
- System should be equipped with narrow band LED excitation wavelength of range 430nm- 745nm and Emission filters covering approx. 490 to 870 nm range.
- Fitted with minimum of 10 excitation wavelengths and minimum of 5 emission filters with a supply of extra 5 emission filters.
- Individual light sources (per wavelength) that fall within the 20nm excitation filter bandwidth.
- Fluorescence excitation source rated for 100,000 hours of illumination
- The illumination source should have significant performance advantage and the source should be LED arrays to provide better reliable, stable, excitation light
- Light source with user enabled excitation output control (per wavelength) from 1% - 100% in 1% variants
- Emission filter wheels should be motorized, and software controlled. Excitation filter Range: 420nm to 755nm & Emission filter Range: 480nm to 880nm.
- Minimum FOV: 5x5 cm to Max FOV 13 x 13 cm to enable imaging of 3 mice
- Quantum efficiency: >85% for 500-700nm range & >35% efficiency 700-900nm for maximum light (event) recognition
- Should be equipped with back thinned, back illuminated grade 1 CCD, thermo-electrically cooled CCD to at least -90°C, absolute.
- Minimum Pixel resolution: 22.5 (µm). Image Pixel: 1024 x 1024.
- Solid-state, twin-fan, -90°C absolute CCD camera that is thermoelectrically air cooled - without the use of any liquid or gas support to provide highly reliable, stable, cooling with no possibility of failure from leaks
- CCD dark current of 100 e-/sec/cm² or less and low noise
- Minimum Detectable Radiance of better than 60 photons/sec/cm²/sr
- Software should have all major functions like acquisition, multiple-image, group analysis, and region of interest analysis.
- Stage temperature should be controllable between 20-40 degree C approx.
- Easy to use image acquisition and analysis software with features of spectral-unmixing and anti-glare functionality.
- The company should have multiple installations of systems in Worldwide. Provide list of reference installations in Worldwide.

- Data generated should be in absolute calibrated data according to the National Institute of Standards and Technology (NIST). Absolutely Calibrated System.
- Software should be compatible with the Animal Imaging System with following features:
- Easy to use image acquisition and analysis software with features of spectral unmixing.
- Easy to use image acquisition with Smooth Blend and Smart Auto Exposure imaging features.
- Unlimited free copies of licensed software for data analysis should be provided.
- Should be integrated Instrument and Image Acquisition.
- Should include Toolset for 2D Fluorescent Imaging and 2D Bioluminescent Imaging.
- User-Friendly Image Manager Productivity Tools. Export to 2D DICOM, TIFF, bmp, jpeg, png Image format.
- Systems should come with Imaging Calibration Device
- A windows PC with licensed operating system, 24 inches TFT high resolution monitor, 1TB HDD, 4GB RAM, CD/DVD/combo reader/writer also needs to be supplied
- System should provide with isoflurane gas anesthesia system as integral component to support work flow before and during the scanning procedure.

3. **Warranty, 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 3 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 at 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	In vivo optical imaging system	**60**
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		

Ref: NCB/F-222049/2022-2023 (N) January 27, 2023

READ

ANNEXURE A – SPECIFICATIONS - Invivo Optical Imaging System

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   - Should be complete system inclusive of light tight cabinet, CCD camera, excitation LED's and emission filters, sample stage, calibration device, computer workstation and gas anaesthesia system.
   - System should be equipped with narrow band LED excitation or halogen excitation wavelength of range 430nm- 745nm and Emission filters covering approx. 490 to 870 nm range, or better.
   - Fitted with minimum of 10 excitation wavelengths and minimum of 5 emission filters with a supply of extra 5 emission filters.
   - Individual light sources (per wavelength) that fall within the 20nm excitation filter bandwidth.
   - Fluorescence excitation source rated for 100,000 hours of illumination or at least 8 years of life span
   - The illumination source should have significant performance advantage and the source should be LED arrays or halogen to provide better reliable, stable, excitation light
   - Light source with user enabled excitation output control (per wavelength) (omit-from 1% - 100% in 1% variants)
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   - Minimum FOV: 5x5 cm to Max FOV 13 x 13 cm, or better
   - Quantum efficiency: >85% for 500-700nm range & >35% efficiency 700-900nm for maximum light (event) recognition
   - Should be equipped with back thinned, back illuminated grade 1 CCD, thermo-electrically cooled CCD to at least -90°C, absolute.
   - Minimum Pixel resolution: 22.5 (µm). Image Pixel: 1024 x 1024, with 16 bit CCD or better
   - Solid-state, twin-fan, -90°C absolute CCD camera that is thermoelectrically air cooled – (omit-without the use of any liquid or gas support to provide highly reliable, stable, cooling with no possibility of failure from leaks)
   - CCD dark current of 100 e-/sec/cm² or less and low noise
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   - Software should have all major functions like acquisition, multiple-image, group analysis, and region of interest analysis.
   - Stage temperature should be controllable between 20-40 degree C approx.
   - Easy to use image acquisition and analysis software with features of spectral-unmixing and anti-glare functionality, with minimum 4 reporters to be able to spectrally unmix.
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Ref: NCB/F-222049/2022-2023 (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.