Institute For Stem Cell Biology and Regenerative Medicine
Autonomous institute of the Department of Biotechnology, Government Of India

inStem

Ref: **INS/L-5539/2019-2020(E)** **Date :** 05/10/2019

ENQUIRY

Dear Sirs,
Please let us have your lowest Quotation for the following :

Sl.No	Cat.No	Item Description	Make/Model	Item Qty	UOM
1		Fluorescent Gel Imaging System (Specification attached)		1.00	No.

Remarks : TWO PART TENDER- The Technical and Financial / Price Bids shall be submitted simultaneously in two (2) cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price / Financial. Technical evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial Proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.

Note :

1. The bids shall be enclosed in an envelope , and due date sealed duly marked "Tender for _____" Ref No : _____ . The bids should be addressed and to be mailed to **"THE HEAD-PURCHASE"**. The bids are liable to be rejected if the sealed envelope is not addressed to **"THE HEAD-PURCHASE"** with Tender Ref No and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail , it should reach by submission Date and Time and inStem will not be responsible for the delay.

2. **DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS 21/10/2019 till 11:00am**
3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.
4. The Validity of your quotation should be for 60 days from the date.
5. All duties,taxes,surcharge and cess as currently applicable must be sated in your quotation,seperately.Otherwise your quote is liable to be rejected.
6. Your quotation should indicate delivery period & Warranty period.
7. Delivery to be made to our Stores.Please indicate charges,if any extra.Transit Insurance should be done upto inStem Stores.
8. If you are unable to supply the quality,specifications or brand as mentioned in our enquiry,Please state so and then offer alternative to quality/Specifications.
9. Payment :within one month after delivery & acceptance/satisfactory installation.
10. Please ensure that the enquiry number and the due date is superscribed on the envelope failing which your quotation is liable to be rejected.
11. Since we are a public funded research institution,we are exempted from paying Customs Duty(Except advolerum duty of 5% + 2% cess and CVD @4% vide Notification No.51/96 with latest amendments) and excise duty vide Notification No.10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipments,technical instruments,equipments(including computers),their accessories,spares,consumables and software.Hence,please offer your prices taking this option into consideration.

11a. The Price quoted against this RFQ should be extended to Bangalore Life Science Cluster (BLiSc)of NCBS, Instem and C-CAMP for placing repeat order as per norms, by any one or all institutes of Bangalore Life Science Cluster (BLiSc)**inStem is a public funded research institute and is entitled to concessional rate of GST @ 5% for items supplied for research purpose. The offer should be submitted after fully considering the above notification. **The Tenders to be quoted in foreign currencies & any other currencies approved/traded by RBI - USD/Euro/JPY/GBP/SGD/CAD/INR.

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12.**If the item is covered under DGS&D rate contract,please quote the rate as per the DGS&D rate contract with xerox copy of the DGS&D order.**

13.Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees.The decision of the arbitrator shall be final and binding on the parties.The venue for arbitration shall be Bangalore.The provisions of the Arbitration and Concillation Act,1996 as amended from time to time shall apply.The Courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

Yours faithfully
For and on behalf of Insitute For Stem Cell Biology and Regenerative Medicine

Elson Antony Paul

GKVK, Bellary Road, Bangalore-560065,INDIA
Phone No. : 91-80-23666343/344/345/346 Fax : 91-80-23636662
Email Id: purchase@ncbs.res.in Website : www.ncbs.res.in

inStem PURCHASE

2 PART TENDER FOR Fluorescent Gel Imaging System Technical Specifications - quantity 1 Nos.
Tender Reference INS/L-5539/2019-2020(E)

Specifications for Fluorescent Gel Imaging System
1. The system should image and analyse
- Colorimetric stained protein gels, western blots and membranes, (e.g., Coomassie, silver, Ponceau S)
- Fluorescent stained - protein gels, nucleic acid gels and western blots,(e.g., SYPRO Ruby stain), Fluorescence with popular RGB (visible range) and near-IR fluorophores (e.g., Alexa Fluor and Alexa Fluor Plus conjugates), (Ethidium bromide and Invitrogen SYBR stains)
- Chemiluminescent western blots, (using all popular HRP and AP substrates)
- Translucent objects (eg, colony plates)
- Opaque objects (e.g., 2D strips, TLC plates, leaf sections)
- GFP expression in multiwell (e.g., 6-well) plates
2. The system should have a Smart Exposure Technology which rapidly determines optimal exposure time and adjustable preview of image at the time of acquisition. It should help in minimising the potential for over- or underexposed images, and the need to repeat exposures to get the desired signal.
3. The system should have Cooled 16-bit CCD, 65,535 shades of gray camera, with Lens - Fixed, 25 mm, f/0.95, resolution - 9.1 megapixel (MP) with field of view - 22.5 x 18.0 cm (W x D) (image up to 4 mini blots or gels).
4. The System should have binning modes - 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 8x8.
5. The system should do Auto Zoom and Auto Focus and Mechanical Zoom is 1- 8X (1 - 2X optical/mechanical zoom and 1- 4X digital zoom).
6. The system should have a Large Intuitive Touch Screen Interface with 12.1 or bigger "Multi-Touch, Capacitive LCD screen.
7. The system should have a Large Sample Area and should accomadate 4 or more gels/Blots at the same time. The dimensions of the imaging area should be (W) 230mm x (D) 184mm.
8. The system whould have universal mode to image samples containing multiple signals, such as chemiluminescence, fluorescence, colorimetric stains, and/or visible images.
9. It also should have align the sample automatically where the sample tray should have automatic rotation of +/-10°. The system should have a mechanical tray to physically rotate a sample aligning it with the camera before image acquisition.
10. Autocontrast option on onboard software for the captured image.
11. The system should be capable of fluorescence western blotting with 12 filters (6 excitation, 6 emission) which can do the imaging for Visible to NIR range. Green LED (470–550 nm) transilluminator, Epi white LED, Epi near-IR LED.
12. The system should have 5 fluoresence channels and 4 fluorescence channel multiplexing.

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2 PART TENDER FOR Fluorescent Gel Imaging System Technical Specifications - quantity 1 Nos.
Tender Reference INS/L-5539/2019-2020(E)

13. The system should have onboard Auto Analysis software(Normalization and quantitation) for instantaneous lane and band identification and molecular weight marker overlay.
14. Quantitation and densitometry analysis should also performed directly on the instruments.
15. Multiple image analysis options: perform densitometry, quantitation, and normalization directly on instrument using the on-instrument software, or with our standalone Analysis Software (available in both desktop and cloud-based versions).
16. The desktop version of analysis software should be both PC and Mac compatible.
17. The system should support image file formats - G2i (proprietary), TIFF, JPG, PNG and report file formats - PDF and CSV.
18. The system should have Ethernet port, Connect (cloud-based) connectivity, optional Wi-Fi (adapter separately)
19. The system should have large onboard storage – 256GB and capable to connect to cloud and support storage of upto 1TB & the machine must carry **3 years** warranty.
20. The system should be supplied with one gel casting apparatus, one gel running apparatus & one power supply unit.

Terms and Conditions:

1. The Technical and Financial / Price Bids shall be submitted simultaneously in two (2) cover (sealed) system. The proposals shall be evaluated in two stages: (1) Technical and (2) Price / Financial. Technical evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening. Thereafter, Financial Proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.
2. first sealed cover – Cover I, and super scribed as "Techno-commercial Bid" and should contain Complete Technical details of the Instrument offered (Specifications, Technical Parameters, Advantages, etc.,)
3. The second sealed cover – Cover II super scribed 'Price Bid' should contain only rates (should be duly signed with seal and filled with date wherever necessary)
4. THESE TWO COVERS SHALL BE AGAIN PUT INTO A SINGLE WAX SEALED COVER super scribed "**Fluorescent Gel Imaging System-Qty 01 Nos.**" and should reach INSTEM on or before **21-10-2019** before **11:00 hrs**". This should be addressed to the Purchase Officer, inStem, NCBS, GKVK Post, Bellary Road, Bangalore – 65.
5. The tender to be quoted in foreign currencies & any other currencies approved/traded by RBI-USD/Euro/JPY/GBP/SGD/CAD/INR.
6. If the items as per specifications in our P.O. is not supplied (shipped) within the specified delivery schedule, then liquidated damages (not in terms of penalty) will be imposed automatically and shall be deducted from the bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

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2 PART TENDER FOR Fluorescent Gel Imaging System Technical Specifications - quantity 1 Nos.
Tender Reference INS/L-5539/2019-2020(E)

INFORMATION TO TENDERERS

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

a. Technical Bid
b. Financial Bid

Specifications for Fluorescent Gel Imaging System	Score
1. The system should image and analyse	25
- Colorimetric stained protein gels, western blots and membranes, (e.g., Coomassie, silver, Ponceau S)	
- Fluorescent stained - protein gels, nucleic acid gels and western blots,(e.g., SYPRO Ruby stain), Fluorescence with popular RGB (visible range) and near-IR fluorophores (e.g., Alexa Fluor and Alexa Fluor Plus conjugates), (Ethidium bromide and Invitrogen SYBR stains)	
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- Translucent objects (eg, colony plates)	
- Opaque objects (e.g., 2D strips, TLC plates, leaf sections)	
- GFP expression in multiwell (e.g., 6-well) plates	
2. The system should have a Smart Exposure Technology which rapidly determines optimal exposure time and adjustable preview of image at the time of acquisition. It should help in minimising the potential for over- or underexposed images, and the need to repeat exposures to get the desired signal.	
3. The system should have Cooled 16-bit CCD, 65,535 shades of gray camera, with Lens - Fixed, 25 mm, f/0.95, resolution - 9.1 megapixel (MP) with field of view - 22.5 x 18.0 cm (W x D) (image up to 4 mini blots or gels).	
4. The System should have binning modes - 1x1, 2x2, 3x3, 4x4, 5x5, 6x6, 8x8.	
5. The system should do Auto Zoom and Auto Focus and Mechanical Zoom is 1- 8X (1 - 2X optical/mechanical zoom and 1- 4X digital zoom).	25
6. The system should have a Large Intuitive Touch Screen Interface with 12.1 or bigger "Multi-Touch, Capacitive LCD screen.	
7. The system should have a Large Sample Area and should accomadate 4 or more gels/Blots at the same time. The dimensions of the imaging area should be (W) 230mm x (D) 184mm.	
8. The system whould have universal mode to image samples containing multiple signals, such as chemiluminescence, fluorescence, colorimetric stains, and/or visible images.	
9. It also should have align the sample automatically where the sample tray should have automatic rotation of +/-10°. The system should have a mechanical tray to physically rotate a sample aligning it with the camera before image acquisition.	

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10. Autocontrast option on onboard software for the captured image.	25
11. The system should be capable of fluorescence western blotting with 12 filters (6 excitation, 6 emission) which can do the imaging for Visible to NIR range. Green LED (470–550 nm) transilluminator, Epi white LED, Epi near-IR LED.	
12. The system should have 5 fluoresence channels and 4 fluorescence channel multiplexing.	
13. The system should have onboard Auto Analysis software(Normalization and quantitation) for instantaneous lane and band identification and molecular weight marker overlay.	
14. Quantitation and densitometry analysis should also performed directly on the instruments.	
15. Multiple image analysis options: perform densitometry, quantitation, and normalization directly on instrument using the on-instrument software, or with our standalone Analysis Software (available in both desktop and cloud-based versions).	25
16. The desktop version of analysis software should be both PC and Mac compatible.	
17. The system should support image file formats - G2i (proprietary), TIFF, JPG, PNG and report file formats - PDF and CSV.	
18. The system should have Ethernet port, Connect (cloud-based) connectivity, optional Wi-Fi (adapter separately)	
19. The system should have large onboard storage – 256GB and capable to connect to cloud and support storage of upto 1TB & the machine must carry **3 years** warranty.	
20. The system should be supplied with one gel casting apparatus, one gel running apparatus & one power supply unit.	
	100
Evaluation will be carried out and those Vendors who score minimum 75% will qualify for Price Bid opening, will qualify for Price Bid opening. Thereafter, Financial proposal shall be evaluated. The Commercially LOWEST BIDDER shall be the first preferred Vendor for award of Order.