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BID DETAILS

TECHNICAL EVALUATION

FINANCIAL EVALUATION

EVALUATION

BID AWARDED

1. Bid Details

Your corrigendum has been published successfully. (https://bidplus.gem.gov.in/buyer-bid-finalization/5085301)

Bid Number: GEM/2023/B/3741204 (/showbidDocument/5085301)

Bid Status: Active

Quantity: 1

Bid Validity (From End Date): 180 (Days)

Competent Authority Document: View

Bid Start Date / Time: 25-07-2023
18:02:53

Bid End Date / Time: 28-08-2023 14:00:00

Bid Opening Date / Time: 28-08-2023
14:30:00Consignees / Reporting Officer / Delivery
Location(s)EMD: Required Track EMD
(Https://Bidplus.Gem.Gov.In/Bidding/Track
/Trackebg/5085301)

Buyer Details

Name: Maniarasan B

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Campus, Bellary Road, Bangalore
560065,IndiaMinistry: Ministry Of Science And
TechnologyDepartment: Department Of Biotechnology
(Dbt) Government Of IndiaOrganisation: Institute For Stem Cell
Biology And Regenerative Medicine
(Instem)

Office: Bangalore

Corrigendum Details

Modified On: 2023-08-18 18:11:27

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/showcorrigendumpdf/1899504/5085301)

Modified On: 2023-08-18 18:01:16

Bid extended to 2023-08-28 14:00:00

Bid Opening Date : 2023-08-28 14:30:00

Modified On: 2023-08-16 17:03:28

Bid extended to 2023-08-23 14:00:00

Bid Opening Date : 2023-08-23 14:30:00

Cancel Bid

Extend Bid

Edit Terms

Edit Pre Bid

Corrigendum No.02 to Tender Notice no.008/2023-2024

Ref No: INS/L-5338/2023-2024

GEM BID NO.GEM/2023/B/3741204

The corrigendum is issued for the following changes in

1. Technical specifications

2. Technical evaluation criteria with marks

Important Note: This corrigendum document duly signed and sealed has to be uploaded while submitting the tender

| <u>FOR</u> | <u>READ</u> |
|--|--|
| <p>ANNEXURE – A</p> <p><u>DETAILED SCOPE OF WORK FOR SUPPLY AND INSTALLATION OF FPLC PURIFICATION SYSTEM</u></p> <p>The proposed research includes extensive imaging of cells and tissues, focussing on tiny cellular antennae called primary cilia which are present on most epithelial cells in the body. The work also focuses on protein posttranslational modifications, detection of which depends on specific antibodies raised against these modifications. While some of the antibodies are commercially available, most of the ones we use are custom-generated and produced in the laboratory using cell culture systems. To get antibodies of high purity from the cell sources, we will need to purify them and this, we will be doing using the FPLC protein purification system that is fully automated, accurate and purifies with high degree of reproducibility. Apart from using this</p> | <p>FPLC Purification system</p> <p>Make:</p> <p>Specifications:</p> <p>Modular purification system equipped with:</p> <p>System pump – Dual system pumps with flow rate of 0-10ml/min or higher at maximum pressure of 20 MPa, equipped with a pressure monitor.</p> <p>Mixer – for homogenous mixing of buffers for gradient runs</p> <p>Sample pump or an inlet valve with 7 or higher inlet lines for injecting large volumes of samples from 10 ml to 500 ml and buffer scouting</p> <p>Detectors capable of single or multi wavelength scanning with the wavelength range of 190-700 nm or higher</p> <p>pH valve – for in-line pH monitoring, calibration and storage</p> <p>Injection valve – for sample injection using loops or the inlet valve.</p> |

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for purifying antibodies, we will also need to use it for purifying proteins expressed in bacterial cells. This is required as the lab is also focussing on understanding the effect of specific tubulin posttranslational modifications on the interactions of motor proteins. Here, the motor proteins will be expressed in bacteria and will be subsequently purified using specific affinity columns on the FPLC machine. This will enable us to carry out the entire procedure in the cold room at 4 °C, without the need for a user to be present in the cold room during the entire process of protein purification.

Many of these proteins will be produced in large quantities which will require a machine that can run these samples through an affinity column repeatedly over time. Many of the protocols we will be using to purify these proteins will be long procedures, sometimes requiring overnight runs. It is in this regard an automated machine capable of handling large volumes and carrying out the procedure with minimal human intervention leads to highly reproducible quality and purity of the protein and saves time. Using this machine will also allow the user to begin the run and monitor it intermittently, enabling the user to focus on other experiments alongside.

Thus, the FPLC purification system will be a necessity for the lab which does quite a substantial amount of protein biochemistry and having a modular system will provide the possibility to upgrade the machine as per the needs, and thus essential for the research questions being addressed in the lab.

Outlet valve – at least 2 or more outlets with definite outlets to: valve 1: Fraction collector; valve 2: waste.

Sample injection loop kit – for injecting small volumes from 0.5 ml to 5 ml

Fraction Collector – With carousels / adapters providing the options to collect samples either in 96-well deep-well plates or tubes of capacities of 15 ml and 50 ml.

Air detectors – for sensing air in the system

Tubing system

Windows Desktop with a dedicated software for FPLC acquisition and analysis software. There should be a possibility of free of cost upgrades of both software and firmware.

Installation and Warranty

Corrigendum No.02 to Tender Notice no.008/2023-2024

Ref No: INS/L-5338/2023-2024

GEM BID NO.GEM/2023/B/3741204

| <u>FOR</u> | | | <u>READ</u> | | |
|---|--|--------------|---|---|----------------------|
| TECHNICAL EVALUATION CRITERIA WITH MARKS | | | TECHNICAL EVALUATION CRITERIA WITH MARKS | | |
| Sl. No | Technical Requirement | Marks | Sl No. | Technical Requirement | Maximum Marks |
| 1 | System pump – flow rate of upto 25 ml/min at maximum pressure of 20 MPa, equipped with a pressure monitor | 10 | 1 | System pump – Dual system pumps with flow rate of 0-10ml/min or higher at maximum pressure of 20 MPa, equipped with a pressure monitor | 10 |
| 2 | Mixer – for homogenous mixing of buffers for gradient runs Sample pump for injection of large sample volumes | 9 | 2 | Mixer – for homogenous mixing of buffers for gradient runs | 9 |
| 3 | Sample pump for injecting large volumes of samples from 10 ml to 500 ml | 10 | 3 | Sample pump or an inlet valve with 7 or higher inlet lines for injecting large volumes of samples from 10 ml to 500 ml and buffer scouting | 10 |
| 4 | Single wavelength UV detector at 280 nm | 9 | 4 | Detectors capable of single or multi wavelength scanning with the wavelength range of 190-700 nm or higher | 9 |
| 5 | Injection valve – for sample injection using loops or the sample pump | 9 | 5 | Injection valve – for sample injection using loops or the sample pump | 9 |
| 6 | Outlet valve kit – 3 outlets: 1 – waste; 2 – Fraction collector; 3 – sample pump for recycling the sample | 5 | 6 | Outlet valve – at least 2 or more outlets with definite outlets to: valve 1: Fraction collector; valve 2: waste. | 7 |
| 7 | Fraction Collector – Fractionation of samples either in 96-well deep-well plates, 15 ml tubes or 50 ml tubes | 9 | 7 | Fraction Collector – With carrousels / adapters providing the options to collect samples either in 96-well deep-well plates or tubes of capacities of 15 ml and 50 ml. | 9 |
| 8 | Windows workstation with Unicorn FPLC acquisition and analysis software | 7 | 8 | Windows Desktop with a dedicated software for FPLC acquisition and analysis software. There should be a possibility of free of cost upgrades of both software and firmware. | 10 |
| 9 | pH valve – for in-line pH monitoring, calibration and storage | 5 | 9 | pH valve – for in-line pH monitoring, calibration and storage | 7 |
| 10 | Column valve – for single column connection | 6 | | | |

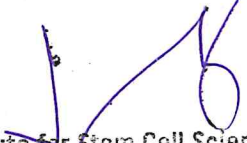
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| | | | | | |
|---|---|------------|---|---|------------|
| 11 | Air detectors – system air detector and sample air detector | 6 | 10 | Air detectors – for sensing air in the system | 5 |
| 12 | Installation and Warranty | 5 | 11 | Installation and Warranty | 5 |
| 13 | Training of users | 5 | 12 | On-site training of users | 5 |
| 14 | Tubing system for overall connectivity | 5 | 13 | Tubing system for overall connectivity | 5 |
| | Total | 100 | | Total | 100 |
| <p>Evaluation will be carried out and those Bidders 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. Bidders should quote for all the points as per the NIT specifications covered in the Technical Evaluation Criteria (i.e., with and without marks). The Bid will be treated as not complied if the above condition is not fulfilled.</p> | | | <p>Evaluation will be carried out and those Bidders 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. Bidders should quote for all the points as per the NIT specifications covered in the Technical Evaluation Criteria (i.e., with and without marks). The Bid will be treated as not complied if the above condition is not fulfilled.</p> | | |


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