

**TENDER DBT/2022/2**  
**DEPARTMENT OF BIOTECHNOLOGY**  
**&**  
**GOSWAMI GANESH DUTTA SANATAN DHARMA COLLEGE, SECTOR-32,**  
**CHANDIGARH**

**TENDER DOCUMENT FOR THE PURCHASE OF INSTRUMENTS**

<b>Last Date and Time for receipt of Tender:</b>	<b>21/02/2022, 04:00 p.m.</b>
<b>Date &amp; Time of opening of Technical bids</b>	<b>22/02/2022, 11.30 a.m.</b> <b>in the office of the Principal</b>
<b>Date &amp; Time of opening of the Price bids:</b>	<b>To be notified later</b>
<b>Tender Fee:</b>	<b>Rs. 1000/-</b>

**Note:**

**1. Tender fee of Rs.1000/- is to be submitted along with the Tender in the form of demand draft of Rs. 1000/- payable at Chandigarh in favour of 'Principal, GGSD College' Chandigarh.**

**2. If date of opening of technical bids is changed, the same will be intimated on University website**

**General Terms and Conditions**

Department Of Biotechnology, GGSD College, Chandigarh isinterested in the procurement, installation and commissioning of instruments along with its operational training as per the prescribed technical specifications (Annexure A) so as to reach '**Principal, GGSD College' Chandigarh** as per following schedule:

- |  |   |
|--|---|
| <b>(a) Last Date and Time for receipt of bids:</b>       | <b>21/02/2022, 4.00 p.m.</b>              |
| <b>(b) Date &amp; Time of opening of technical bids:</b> | <b>22/02/2022, 11.30 a.m.</b>             |
| <b>(c) Date &amp; Time of opening of Price bids:</b>     | <b>Date &amp; time will be intimated.</b> |

## SECTION-I

### PROCEDURE FOR SUBMISSION OF BIDS

1. There will be **Two bid system** for this Tender: *Technical bid and Financial bid*
2. **Delivery of Tender:**

**Tenderers should submit their tenders in these parts:**

- (a) **Technical Bid**
  - (b) **Price Bid &**
  - (c) **Earnest Money; (each part in separate sealed cover) and**
  - (d) **Tender Fee of Rs. 1000/-, in the form of Demand Draft in favour of 'Principal, GGSDS College' Chandigarh.**
- **EMD, Technical Bids and Price Bids should be placed in separate sealed covers and superscribed as EMD, Technical Bid, and Price bid respectively for Supply of Instruments (Name of the instrument should be mentioned) Due on 22.02. 2022**  
**\*\* Due date as per First (Title) Page of this tender notice.**
  - The above said documents viz., Technical bid, Financial bid and EMD covers prepared as above, along-with Tender Fee should be enclosed in a single sealed cover marked as under:

Tender for the supply of .....

Due on .....(last date for submission).

Name & Address of the Tenderer.....

The main envelope containing all above covers should be addressed to 'Principal, GGSDS College'Chandigarh

**Note: Price should not be indicated in the Technical/Commercial bid otherwise the Tender will be rejected**

All the envelopes should bear the name and postal address of the Tenderer and shall bear the address of the office, where tender is submitted. Both the bids shall be kept valid for acceptance for a period of 90 days after opening of the technical bids. The purchaser will not be responsible for any postal delay or any other cause that may lead to delay in the receipt of the documents beyond the stipulated date and time stated in the tender document.

3. Tenders received after the due date will not be accepted. If the last date for submission of Tender falls on any declared holiday in the College, the next working day will be considered as the last date for the same.
4. The bids prepared by the Tenderer and all correspondence and documents relating to the bids, should be in English language

5. The contract for the supply of the items is non-transferable.
6. Tender/Offer should be type written, otherwise the same will be rejected
7. Each page of the tender document should be signed by the authorized signatory.
8. Each offer should be complete in all respects.
9. Electronic/conditional offers will not be accepted.

**SECTION-II**  
**TERMS AND CONDITIONS**

1. **Opening of bids:** Technical bids will be opened by the Committee after the closing date. The Tenderers will be invited for presentation and clarifications if needed. Financial bids of the Tenderers complying with the prescribed Technical specifications will be opened by the Committee. Tenderers or their authorized agents may be present if they so desire during opening of the tenders.
2. **Rejection of bids:** The Committee reserves the right to reject any or all offers without assigning any reason.
3. **EMD:** The Tender bid must accompany an EMD of minimum 1% of total value. The EMD should be made by means of an A/c payee DD in favor of 'Principal, GGSD College' Chandigarh ' payable at Chandigarh. No interest is payable on EMD.
4. **Refund of EMD:** The EMD will be returned to unsuccessful Tenderer only after the tenders are finalized. In case of successful tenderer, it will be retained till the successful and complete installation of the equipment.
5. **CIF value and comparison of Financial bids:** CIF value upto Biotechnology Department, GGSD College, Chandigarh should be quoted and will be considered for comparison of bids. Bids quoted in foreign currency will be converted into Indian Currency at the exchange rate applicable on the day of opening of the financial bids for comparison purposes.
6. **Warranty Period:** The warranty period should be for a *minimum of 2 years (with spares)* from the date of installation with satisfactory performance as per specifications. This has to be provided by the tenderer at no extra cost whatsoever. Any deviation from this requirement will make the tender invalid and the same will be outrightly rejected.
7. **Terms of Payment: Payment will be made after the delivery and successful installation of the equipment**
8. **Delivery period :** Delivery should be made within **90 days** of opening
9. **Delayed delivery:** If the delivery is not made within the due date for any reason, the Committee will have the right to impose penalty as under::
  - i) First extension for one month or part thereof @ 1% of the cost of instrument
  - ii) Second extension for an additional month or part thereof @ 2% of the cost of instrument
10. **Non delivery beyond extended period:** If the Tenderer fails to execute the order within the second extension mentioned above or mutually agreed time frame, the order will be cancelled and EMD forfeited by the College. He will also be liable for all damages imposed by Biotechnology Department for non supply of equipment including the liability to pay the difference between the price accepted by him and those ultimately paid by the Biotechnology Department for the equipment, Such damages will be assessed by the Committee for the purchase of instruments.

11. Increased statutory levies and duties above the rate quoted in the offer will not be an excuse for the Tenderer to delay the supply beyond the date specified in the tender.
12. **Validity of rates:** Rates quoted should be valid for at least *3 months* from the closing date of the tenders.
13. **Consistent pricing:** The rates quoted for the Equipments by the supplier shall in no case exceed the lowest price at which the supplier of this Equipments of identical description made to any other person/organization/Institution during the above said period and should attach an undertaking in this regard
14. **Installation requirements:** The Supplier will clearly mention installation requirements on our part in the *Technical bid*.
15. **Installation time:** The company must install the equipment *within a period of 15 days* from the date of delivery of the equipment at Biotechnology Department, GGSDS College Chandigarh.
16. **Free Installation:** The equipment and software should be installed and tested to the specifications *free of cost*.
17. **Supporting Equipment:** The Tenderer will provide all requisite supporting equipments like UPS, Stabilizer etc.
18. **Licensed Software and its upgradation:** *License* for analysis software (if any) should be provided. The certified/licensed software and programs should be the part of the supplies. There should be *free up gradation of software upto 5 years*
19. **Factory Acceptance Data:** Proposed acceptance criteria for the equipment should be provided by the supplier. in order to compare the performance against the quoted specifications. *Manufacturer's test certificate along with test conditions and results* is to be supplied along with the equipment.
20. Tenderers are advised to study all technical aspects and terms & conditions of the tender documents. Submission of tender shall be deemed to have been done after careful study and examination of the Tender Document with understanding of its implications.
21. **Only Manufacturers or Authorized dealers to bid:** The offering firm should clearly mention whether they are the manufacturer or authorized agent/dealer of the manufacturer. In case of agent for overseas manufacturer, a letter of authorization from the manufacturer should be submitted along with the offer. The Tenderer can also enclose the rates on the letterhead of the manufacturer if he has been authorized to do so by the manufacturer.
22. **Descriptive literature:** A set of specifications, description and illustrated literature of the equipment and related peripherals *should accompany the Techno-Commercial bid*.
23. **User and Service Manuals:** A set of User's manuals and Service manuals of the main instrument, attachments and related equipment should be supplied with the equipment

24. **Equipment must be new:** The Tenderer must ensure that the equipment being offered is anew one and not refurbished or repaired done.
25. **Defective Equipment:** If any of the equipment supplied by the Tenderer is found to be substandard ,refurbished, unmerchantable or not in accordance with the description /specification or otherwise faulty, the committee will have the right to reject the equipment or its part. The prices of such equipment shall be refunded by the Tenderer with 18% interest if such payments for such equipment has already been made to him.
26. All damaged or unapproved goods shall be returned at suppliers cost and risk and the incidental expenses incurred thereon shall be recovered from the supplier. Defective part in equipment, if found before installation and/or during warranty period, shall be replaced within 45 days on receipt of the intimation from this office at the cost and risk of supplier including all other charges.
27. **Damage during transit:** In case of any mishappening/damage to equipment and supplies during the carriage of supplies from the origin of equipment to the installation site, the supplier has to replace it with new equipment/supplies immediately at his own risk and costs. Supplier will settle his claim with the insurance company as per his convenience. The Biotechnology Department will not be liable to any type of losses in any form.
28. **Legal jurisdiction:** Any dispute in this regard of any term of the offer and on the supply of equipment is subject to *Chandigarh jurisdiction* only.
29. **Training** Suitable training should be provided free of charge at the premises of Department on equipment usage & software and maintenance.
30. **Availability of Spares:** The Tenderer must assure the availability of spares for servicing of equipment *for at least 5 years*. Supplier should give an undertaking that spares parts will be supplied within the specified periods as and when ordered.
31. **Clearance:** The tenderer will do all types of clearance work and bear all the expenses involved to deliver the equipment at the site of installation. Principals/Tenderer will themselves have to procure any requisite permission from the Govt. of country of origin of equipment.
32. **Similar Models installed:** The Tenderer must mention in the *Technical bid* the similar model of equipment installed in India *during the last two years* and the *addresses of contact persons at these places*.
33. **Application Specialist:** The Tenderer should mention in the *Technical bid* the availability and *names of Application Specialist and Service Engineers* in the nearest regional office.
34. **Response Time:** The Tenderer should mention in the *Technical bid* the response time for attending to a complaint about the equipment.
35. **Change of Indian Representatives:** The original manufacturer/Principals should give an undertaking that the aforementioned warranty and availability of spares clauses will be valid even in the case of change of their representatives in India.

**Thermomixer**

- System should be able to provide Peltier driven heating, cooling and mixing
- Temperature range: 15° below ambient to 100°C, with minimum setting of 1°C
- Mixing frequency: 300-3000rpm
- Incubation accuracy:  $\pm 0.5^{\circ}\text{C}$  above ambient temperature
- Instrument should be specifically designed to take care of cross contamination, by making sure spillage or lid wetting does not happen even at very low volumes
- Instrument should have the flexibility to accommodate various tube formats from 0.5ml – 50ml tubes
- Instrument should be supplied with a block for 24X1.5ml
- It should also be possible to use various formats of plates like Microtiter plates, deepwell plates, ELISA plates, PCR 96 plates and PCR 384 plates
- Block exchange should be very simple and easy without using tools
- Blocks should have sensors and should be block specific calibrated
- A heated top should be optionally available to prevent condensation on the lid or walls of the tube.
- Instrument should be able to recognize the blocks automatically and their respective speed and temperature.
- Programming facility with interval mixing should be possible, should be able to store 20 programs with four steps each
- Soft keys for easy access to program parameters should be present
- System should be stable on work bench even at the maximum speed with minimum noise levels
- Power Consumption should not more than 200W.
- Instrument must have European CE Certification

## **Gel documentation System**

1. Gel documentation system for imaging DNA and RNA gels with in-built high contrast medical grade touch screen computer display with magnesium reinforced glass for robustness
2. Should have motorized zoom lens with automatic control of the camera, lens and lighting for an unrivalled ease of use.
3. Dark room with full slide out UV transilluminator on pull-out rails for comfortable work
4. UV safety shutoff with widely accessible door to handling gels while placing or moving gels on transilluminator table
5. Transilluminator should have Superbright technology so as to have publication quality gel image with no UV tube background noise
6. Scientific grade, zero defect CX5 camera is must with native image resolution of 2600 (H) x 1950 (V) yielding image resolution of 5 megapixels extendable to 20 megapixels.
7. System should be capable of producing images of 16-bit – 65,536 grey levels
8. USB 3.0 interface for faster image transfer
9. Maximum field of view must be at least 26 x 21 cms
10. System should have 4-position filter wheel with F-590 emission filter for ethidium bromide, SYBR Green, SYBR Gold, Gel Red, Gel Green, Lumitein, SYPRO Ruby, etc.
11. System should have option for future upgrade for colorimetric gel imaging
12. System should be supplied with multi user licensed analysis software for image enhancement, image analysis includes molecular weight calculation, band quantification, distance calculation.
13. Software should have Apps Studio, a complete library of applications to ensure reproducibility and ease of use.
14. System should be able to do the Colorimetric and protein gel imaging.
15. System should be supplied with conversion screen to view Colorimetric and protein gels.
16. 3D Dynamic Scan feature to understand saturation and to rule out artifacts is a must.
17. Instrument should have one-year warranty.



thermomixer | GeM

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### Gel Documentation System

(Q2 Category) (Specifications)

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