

TENDER DBT/2022/1
DEPARTMENT OF BIOTECHNOLOGY
&
GOSWAMI GANESH DUTTA SANATAN DHARMA COLLEGE, SECTOR-32,
CHANDIGARH

TENDER DOCUMENT FOR THE PURCHASE OF INSTRUMENTS

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

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:

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

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, GGSD 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, GGSD 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.

SPCIFICATION FOR REFRIGERATED TABLE TOP CENTRIFUGE

- Table top centrifuge for high volume applications
- Temp. range –9 to + 40 deg C
- Centrifuge should have a minimum capacity of 1Litter
- Short spin key
- Rotor imbalance indicator
- Fast cool option & stand by cooling
- Facility to put “at set rpm” function
- 10 acceleration & 10 breaking ramps
- Should have a 35 user-defined programs
- Ability to spin 15 ml and 50 ml falcon tubes and U-shaped bottom tubes at 11000 rpm
- Adaptor should be available for volumes from 1.5 ml to 85 ml in the Fixed angle rotor. (Such as 2ml, 7ml, 15 ml , 18ml,20ml, 30ml,50ml)
- Swing-bucket rotors and adapters accommodate tubes and bottles from 0.2 mL to 250 mL.
- Should have a built-in condensation drain to eliminate water from the centrifuge chamber
- Ability to spin Plate rotor for centrifugation of all types of MTP, PCR, cell culture, or Deepwell Plates
- Noise level should not more than <58 dB
- Centrifuge should be European CE Certified.
- IQ, OQ and PQ should be provided at the time of Installation.
- Instrument should be provided with one year warranty.

Required Rotors:

- 1) Swing Out metallic autoclavable rotor for 16x15ml and 4x50ml with 4500g/5000rpm or more.
- 2) Fixed Angle metallic and autoclavable rotor which can spin 6x15ml, 6x50ml and 6x85ml tubes at 15,000g or more.
- 3) Fixed Angle metallic and autoclavable rotor which can spin 30x1.5ml tubes at 20,000g or more.

Spectrophotometer

- Quantification of sample volumes from 'Microlitres to Millilitres'.
- System should be capable of determining very low concentration of biomolecule using fluorescent dyes, with an excitation wavelength of 470 nm and emission wavelengths of 520 and 560 nm
- Should have in-built pre-programs for nucleic acids and protein quantification by fluorescence intensity using dyes such as PicoGreen®, OliGreen®, RiboGreen® and NanoOrange®.
- Fluorescence intensity should be across a range of 0.5 nM - 2,000 nM fluorescein
- Detection limit for dsDNA should be 1 pg/μL
- Should have excitation wavelength 470 nm with 25 nm bandwidth and emission wavelengths 520 nm with 15 nm bandwidth and 560 nm with 40 nm bandwidth
- Random error should not exceed $\pm 2\%$ at 1 nM fluorescein (emission wavelength 520 nm)
- Optics must have the combination of xenon flash lamp with holographic aberration-corrected concave grating and receiver as CMOS photodiode.
- Operating principle must be with two beams: Absorption single-beamspectrophotometer with the reference beam.
- Instrument should operate moment switched on with no warming up time.
- Should be compact & stand-alone system to handle sample volume ranging from 1.5 μL to 4 mL
- UV/Vis wavelength range from 200 nm to 800 nm, with spectral scanning feature.
- Low volume measuring surface must be of quartz and must be hydrophobic.
- System should also allow using conventional quartz/glass/plastic cuvettes in addition to lowvolume measurement.
- Must allow rapid and reliable quantification of Nucleic acids and proteins, OD600, dye methods(to calculate the FOI (both nucleic acid & protein).
- Detection range for dsDNA: 2.5 ng/μL – 1500 ng/μL (with defined pathlength of 1 mm).
- Concentration via standard series must have curve fit evaluations viz., Regressions (linear,cubical, quadratic), and Interpolations (linear & Spline) with curve sections in detail with viewdirectly on the instrument display.
- Should allow transfer of measured data to PC by connecting the device directly to PC withoutany additional software in addition to transfer the data via USB stick.
- Must have Multi – wavelength, Dual-wavelength applications with subtraction and divisionanalysis.
- Direct operation on the device, with no requirement for PC.
- Measuring results (>1,000) can be saved directly on the device >100 method programs in memory.
- Spectral band width: < 4 nm
- System should be supplied with set of Quart, Micro-cuvette and Disposable cuvettes.
- Instrument should be CE certified, European.
- Instrument should be supplied with 200 disposable cuvettes.
- Instrument should be provided with 1 year warranty.
- IQ,OQ and PQ should be provided at the time of installation.

Gradient PCR

- Touch screen interfaced Silver block system for 96 x 0.1/0.2 mL PCR Tube or One 96-well PCR plate
- 2D Gradient for advanced PCR optimization, capable of testing different temperatures in 12 columns and 8-rows simultaneously across a gradient range of 1 - 30° C
- Gradient technology must operate ensure ramp rates are identical in both gradient and normal operation
- Fast temperature verification must be possible from user end
- Adjustable verification settings for audit is must
- Adjustable user management capabilities – from flexible to strict user level controls
- Heating of the block through should be through six peltier elements
- Temperature control range: from 4 °C to 99°C
- Lid Temperature range: 37 - 110 °C
- Block Temperature Accuracy: $\pm 0.15^{\circ}\text{C}$
- Block Homogeneity: 20° C to 72° C: $\leq \pm 0.2^{\circ}\text{C}$, 95° C: $\leq \pm 0.3^{\circ}\text{C}$
- Heating ramp rate: 10 °C/s
- Cooling ramp rate: 5 °C/s
- Adjustable ramp rate individually for heating & cooling from 0.1° C to meet critical amplification conditions
- Lid descent and closing pressure
- Intuitive Graphic programming with larger display
- Administrator and user login with PIN or password for enhanced security
- Preprogrammed template for easy selection of PCR protocols
- Time or Temperature increment with cycles in PCR program
- Customized programming allows a maximum of 40 steps and 99 cycles
- Auto Restart facility with user defined time interval when power fails and resumes
- Log book function for error messages and new calibration
- E-mail Notification
- Option to connect up to nine cycler variants for ultimate throughput
- Option to connect up to 50 cycler using computer controlled network
- Instrument should RoHS compliance system along with CE & ISO
- Interface: Ethernet, USB
- Instrument should be supplied with online UPS with 30 minutes backup
- Instrument should have one year warranty

cooling centrifuge -5 to 40 degr x +
https://mkp.gem.gov.in/home/search?q=cooling+centrifuge+-5+to+40+degree+
Dark Mode | Font Size | A- | A | A+ | Skip to Main Content | Need Help? v
GeM Government e Marketplace | 75 Azadi Ka Amrit Mahotsav
Forward Auction v | Bids v | Login | Signup v
CATEGORIES | Home v | cooling centrifuge -5 to 40 degree Q

SEARCH : Cooling Centrifuge -5 To 40 Degree X

No Products Found For Your Search

- Suggestions:
- Try different keywords
 - Make sure all the words are spelled correctly

Ask GeMmy | PRODUCT COMPARE (0) | PRODUCT HISTORY (0)

SPECTROPHOTOMETER | GeM x +
https://mkp.gem.gov.in/spectroscopic-equipment-spectrophotometer/search#/7q=fluorescent%20spectrophotometer%20detection%20level%201%20...
GeM Government e Marketplace | 75 Azadi Ka Amrit Mahotsav
Forward Auction v | Bids v | Login | Signup v
CATEGORIES | SPECTROPHOTOMETE v | fluorescent spectrophotometer detection level 1 picogram Q

SPECTROPHOTOMETER (Q2 Category) (Specifications)

SEARCH : Fluorescent Spectrophotometer Detection Level 1 Picogram X

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2D Gradient PCR SILVER BLOCK SYSTEM

https://mkp.gem.gov.in/home/search?q=2D+Gradient+PCR+SILVER+BLOCK+SYSTEM

GeM Government e Marketplace

Forward Auction Bids Login Signup


CATEGORIES Home 2D Gradient PCR SILVER BLOCK SYSTEM

SEARCH: 2D Gradient PCR SILVER BLOCK SYSTEM

Showing 4 Results for 2D Gradient PCR SILVER BLOCK SYSTEM Sort by: Best Match

Category

- Modular Work Stations (Q3)(2)
- Real Time PCR (Polymerase Chain Reaction) Kits For Novel Coronavirus (SARS-CoV-2/COVID-19) (Q3)(1)
- Real Time PCR Machine (Q2)(1)



AriaMx Real Time PCR System (2 color)

Seller: Resellers

★★★★★ 3.80

Brand: Agilent

Min. Qty. Per Consignee: 1

₹ 1,418,579.00

₹ 1,065,000.00 **25% OFF**

Ask GeMmy

PRODUCT COMPARE PRODUCT HISTORY