

UNIVERSITY OF JAMMU
SCHOOL OF BIOTECHNOLOGY, UNIVERSITY OF JAMMU-180006

School of Biotechnology, University of Jammu, Jammu & Kashmir is interested in the purchase of **REFRIGERATED SHAKERS** as per specifications given in the Annexure 1. The Department invites sealed bids / tenders bids from reputed Manufacturers or their Authorized Distributors / Dealers for Supply, Installation and Training of **REFRIGERATED SHAKERS**. Interested parties may submit their sealed bids online as per Technical Specifications given at Annexure 1 and General Terms & Conditions given at Annexure II. The tender will be published online on <https://jktenders.gov.in>. The TECHNICAL BID and PRICE BID has to be submitted online before the due date i.e. 17th December 2019 Whereas hard copy of the TECHNICAL BID along with EMD has to reach to the office of the Director, School of Biotechnology, University of Jammu, Jammu 180006 before the due date in a sealed envelope (duly superscripted with Tender No. and date).

For any query pertaining to this tender contact Professor Jyoti Vakhlu, School of Biotechnology University of Jammu, Jammu 180006.

The technical bid will be evaluated first and price bid will be opened only in respect of those Vendors, who are found technically qualified after evaluation of Technical Bid. The Technical bid will be opened on 18th December 2019 in the School of Biotechnology, University of Jammu, Jammu - 180006

Director
School of Biotechnology,
University of Jammu, Jammu - 180006

Ref. No. JU/SBT/2019/1418
Dated: 25-11-2019

Annexure-I

Item No	Equipment	Quantity	Technical Specification
1	<u>REFRIGERATED SHAKERS</u>	7	<ol style="list-style-type: none"> 1. Shaker should be stackable upto 3 levels. 2. The shaking orbit dia should be 25 mm with speed range of at least speed of 25-400 rpm while 3 stacked within +/- 1 rpm. 3. Movement of the shaker should be Magnetic (or) Triple Eccentric Counter balanced drive, driven by Brushless Motor for uniform agitation. 4. Shaker temperature range should be from 5°C to 80°C with an accuracy of $\pm 0.1^{\circ}\text{C}$ at 37°C at an ambient temperature $<28^{\circ}\text{C}$. 5. The universal platform should be capable of using assorted clamps, also the equipment should have provision of using Anodized Tray with Sticky mat. 6. Control should be Soft touch Keypad (or) touch screen with Digital LED (or) LCD display. 7. Wide front glazed insulated window for clean view of culture. 8. Swing down front open door with large viewing window and gas spring damper for convenient sliding of platform and resting is preferred, without disturbing the access to second or third deck when stacked. 9. Pull out and front access service module should allow easy access to all electronic and heating/cooling components without having unstack the units. 10. Should have interlocking stacking kit arrangement for shakers as standard. 11. The system should have photosynthetic light bank and should be future upgradable with Gas purging facility to address various applications on research. 12. Shaker should have minimal foot print of $< 1.5\text{m}^2$ (approx) with external dimension not exceeding 1450 x 750 x 850mm (WxHxD) and Maximum Weight of shaker should not exceed 240kg per unit 13. Optional: The universal platform should hold at least 60 - 65 nos of 100ml flasks (or) 40 - 45nos of 250ml flasks (or) >20 nos of 500ml flasks (or) at least 15 nos of 1000ml flasks (or) 10 - 12 nos of 2000ml flasks (or) 5-6 nos. of 5000ml flasks (or) 4-5 nos of 6000ml flasks in the universal platform and facility to hold test tube racks and micro plate holders. 14. Clamp should be made of single piece stainless steel material (without welding) and leaves tied with three spring. 15. Shaker should have one adjustable and removable shelf for petriplates. 16. Shaker should come with Thermostat cut-off, door switch, non-volatile memory with automatic power failure restart. 17. The system should be supplied with 100ml clamps X 25 Nos, ii) 250ml clamps X 30 Nos, iii) 1000L clamps X 10 Nos iv) 2000L Clamps X 5 Nos. 18. Original company literature with offered specifications

			<p>should be enclosed with the bid failing which the bid may be treated non-responsive.</p> <ol style="list-style-type: none">19. Custom built models will not be considered.20. 5 year warranty should be provided from the date of installation at University of Jammu.21. The supplier of the instrument should provide hands on operational as well as application training at the time of installation.22. The quoted system or equivalent category system should have at least 30 numbers of installations in India. List of such users with contact numbers of faculty in-charge and copy of their installation report should be enclosed. At least three most recent PO copy must be submitted.23. Supplier should clearly mention about their service set up in India for prompt service support along with contact details of service engineers specially trained on the offered system. Service should be provided within 72 hrs from the report of technical problem so that machine down time is minimized.24. Supplier should confirm the availability of minimum essential spares in the next 10 years after installation.25. Compatible Servo stabilizer should be supplied along with the equipment.26. The purchase committee reserves the right to cancel the bid or consider it non responsive, if any of the above specifications and conditions are not met with.
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Annexure-II

General terms and conditions

1. Rates should be F.O.R. Jammu University Campus.
2. In case of foreign manufacturer kindly quote F.O.R Jammu University Campus in foreign currency. Also quote tentative charges for custom Duty, Clearance charges and Transportation and Insurance up to Jammu separately.
3. Goods must conform to our indicated specifications. Detailed technical and other specifications / literature must be enclosed.
4. Indicate concessional rates of tax for educational institutions. The GST rates must be clearly mentioned separately.
5. The submission of the tenders will be online. The Technical Bid and Price bid has to be submitted online on www.jktenders.gov.in. Whereas the hard copy along with EMD has to be submitted offline on or before due date in a sealed envelope.
6. Earnest Money Deposit (EMD) 2% of estimated price to be submitted along with commercial bid. Bids without EMD will be rejected.
7. The warranty of the product should be at least five Year.
8. The rates should be valid for 120 days. Both technical bid and the commercial bid addressed to undersigned and duly sealed /signed and tapped with official stamp should reach this office latest by 17th December 2019.
9. Bidder should submit Purchase orders and / user List as a proof of the dealing with other Government organizations / Institutions. The date of the supply order should be within last Three years from the date of publishing the BID.
10. Bidder should submit Valid Authorization Certificate from OEM for each against this NIT.
11. The firm/bidders should provide non blacklisting certificate mentioning it should not have criminal records/cases/activities.
12. Reports on Financial standing of the bidder such as profit and loss statement, balance sheet and auditor reports for the past three years, banker's certificate etc. should be provided by the bidders.
13. The bidder's firm should be established since last 5 years Documentary Evidence to be submitted along technical BID.
14. The bidder should have enough strength of people for the after sales support with their branch offices near to Jammu/Chandigarh. The details of Service Centre and Office addresses along with Service personnel need to be shared for the verifications.
15. Self-attested copies of GST and PAN card and Firm registration certificates to be submitted.
16. The bidder should have ISO or equivalent quality Certification.
17. The delivery, installation and operational training of the instruments/equipment should be completed within 45 days from placing of the order failing which the bank guaranty shall be retained by the Department.
18. The successful Bidder must provide Bank Guarantee equivalent to 10% of the cost of equipment to the Value of Order from Nationalized or Scheduled bank.
19. All Documents submitted in technical BID should be self-Attested (Signed and Stamped).