



NON-GFR

Form No P 01-B

INDIAN INSTITUTE OF TECHNOLOGY KANPUR

Approval of Purchase Committee for Purchases above Rs.250000/-  
Details of the product to be purchased

अनुसंधान एवं विकास कार्यालय  
Dak Cell, R & D Office, IIT, Kanpur  
क्रम सं०/S.No.....  
18 FEB 2021

Budget / Source ( Please mention Project Number, if from Project account )	2020246
Budget head (Tick one)	1. Non-Consumable <input checked="" type="checkbox"/> 3. Consumable <input type="checkbox"/> 2. Limited Time Asset <input type="checkbox"/> 4. Services <input type="checkbox"/>
Name of item	Non – Consumable Item (ORBITEK LED Display Orbital Shaking Incubators)
Cost (approximate)	Rs. 907418.40/- (Approximately)

The following purchase committee may kindly be approved:

**Technical Evaluation Committee:**

1. Dr. Arun K Shukla (PI/Indentor)
2. Dr. Dharmaraja Allimuthu (One Faculty member from other department who has knowledge in respective field)
3. Prof. R.Sankararamakrishnan (HOD)

**Financial Evaluation Committee:**

1. Dr. Arun K Shukla (PI/Indentor)
2. Officer Incharge {O.I.C. (S&P)}
3. Officer Incharge (Jt. Registrar/AR (Account I or II))

Dr. Arun K. Shukla  
Associate Professor  
Department of Biological  
Sciences and Bioengineering  
Indian Institute of Technology  
Kanpur-208016

Signature of the Principal Investigator  
Name: Dr. Arun K Shukla  
Department: BSBE

Approved <input type="checkbox"/> Forwarded <input checked="" type="checkbox"/> (up to Rs. 5 lakh)	Approved	Approved
<u>R. Sankararamakrishnan</u> 4/2/21 ** HOD/Dean/Registrar/Librarian	<u>[Signature]</u> DORD/DD/Director	FC/BOG

\*\* As per DFPR-2018, Power to approve Purchase committee is as follows:

Designation	Powers
HOD/Dean/Registrar/Librarian	Upto Rs. 5 Lakh
DORD	Upto Rs. 25 Lakhs
Dy. Director	Upto Rs. 50 Lakhs
Director	Upto Rs. 10 Crores
F.C. & B.O.G.	Full Powers



## Tender document

Department of BSBE  
Indian Institute of Technology Kanpur  
Kanpur (UP) 208016 India

**Enquiry No:** IITK/BSBE/AKS/21-22/17

**Sub.:** Inquiry for Stackable refrigerated incubator shaker.

**Enquiry date:** August 4, 2021

**Closing date:** August 14, 2021

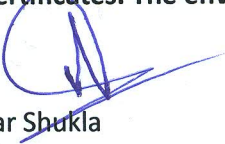
**Opening date:** August 16, 2021

**Sealed quotes (technical bid and price bid separately sealed) are invited for the above-mentioned laboratory product as per the specifications given in the next page.**

**Your quote should mention/include the following:**

- Maximum discount if any should be offered and mentioned.
- Quoted price should include the cost for installation, warranty and required accessories (see below).
- Validity of the quote at least for 90 days.
- FOB (indicating port of shipment) and CIF (New Delhi) values should be quoted separately if import is required. For quotes in INR, the price quote should be for delivery at Kanpur.
- The quote should cover insurance for transport up to Kanpur.
- Indian agency commission if applicable (should be certified by the principal if no agency commission is applicable) in case of import.
- Authorization certificate from the principal if you are a local agent.
- Terms and conditions for the payment, including the banker's name of the principal and the account number, if any, for electronic transfer.
- Include proprietary item certificate if applicable.
- Technical literature to support your product (in technical bid).
- Users' list with contact address in technical bid.

**Note: Only principal manufacturers or authorized representatives are requested to send the quote along with proper certificates. The envelope should be marked as "Inquiry for stackable refrigerated incubator shaker"**

✓   
Dr. Arun Kumar Shukla  
Associate Professor  
Department of BSBE  
Indian Institute of Technology Kanpur  
Kanpur 208 016, India



## **Stackable refrigerated incubator shaker (01units) - Technical Specification**

- The shaking orbit dia should be 25 mm with speed range of at least an speed of 25-400 rpm while 3 stacked within +/- 1 rpm.
- Movement of the shaker should be Magnetic (or) Triple Eccentric Counter balanced drive, driven by Brushless Motor for uniform agitation.
- 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  $<28^\circ\text{C}$ .
- The universal platform should be capable of using assorted clamps.
- Control should be Soft touch Keypad (or) touch screen with Digital LED (or) LCD display.
- Wide front glazed insulated window for clean view of culture.
- 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.
- Pull out and front access service module allows easy access to all electronic and heating/cooling components without having unstack the units.
- Should have interlocking stacking kit arrangement for shakers as standard.
- Should be future upgradable with photosynthetic light bank, Gas purging facility to address various applications on research.
- Shaker should have minimal foot print of 1.1m<sup>2</sup> (approx) with external dimension not exceeding 1410 x 725 x 810mm (WxHxD) and Maximum Weight of shaker should not exceed 240kg per unit
- Optional: The universal platform should hold at least 60 nos of 100ml flasks (or) 40 nos of 250ml flasks (or) 24 nos of 200ml flasks (or) 24 nos of 2000ml flasks (or) 6 nos. of 5000ml flasks in the universal platform and facility to hold test tube racks and micro plate holders.
- Clamp should be made of single piece stainless steel material (without welding) and leaves tied with three spring.
- Shaker should come with Thermostat cut-off, door switch, non-volatile memory with automatic power failure restart.
- Original company literature with offered specifications should be enclosed with the bid failing which the bid may be treated non-responsive.
- Custom built models will not be considered.
- If necessary, the equipment has to be demonstrated in our laboratory or in manufacturer's facility (for Indigenous manufacturers only) or at any installed place.

**Important: Please attach a summary table to highlight the compatibility of your set-up against specific features mentioned here. Absent this table, quotations will not be considered.**

**Please note:**

**Warranty and AMC:** Five years comprehensive warranty must be included in the quoted price. Absent this, the quotations will not be considered.

**Accessories:** Two (02) 5KVA servo voltage stabilizer for the equipment should also be included in the quotation.

The Vendors providing the quotes should have several installations in and around Kanpur and have service center at Kanpur/Lucknow area.