

Ref: INS/L-5819/2018-2019(Y)

Date: 19/11/2018

## ENQUIRY

Dear Sirs,

Please let us have your lowest Quotation for the following:

Sl. No	Cat. No	Item Description	Make/Model	Item Qty	UOM
1		Refrigerated centrifuge (Specifications attached)		1.00	No.

**Remarks:** The Price quoted against this RFQ should be extended to Bangalore Life Science Cluster (BLiSc) of NCBS, InStem and C-CAMP for placing repeat order as per norms, by any one or all institutes of Bangalore Life Science Cluster (BLiSc)

**NOTE:** \*\*inStem is a public funded research institute and is entitled to concessional rate of GST @ 5% for items supplied for research purpose. The offer should be submitted after fully considering the above notification. \*\*

**The Tenders to be quoted in foreign currencies & any other currencies approved/traded by RBI - USD/Euro/JPY/GBP/SGD/CAD/INR.**

1. The bids shall be enclosed in an envelope, and due date sealed duly marked "Tender for \_\_\_\_\_" Ref No: \_\_\_\_\_. The bids should be addressed and to be mailed to "THE HEAD-PURCHASE". The bids are liable to be rejected if the sealed envelope is not addressed to "THE HEAD-PURCHASE" with Tender Ref No and Item Description and due date. The bids delivered in person shall be dropped in Purchase Section. If the bids are sent through courier or mail, it should reach by submission Date and Time and inStem will not be responsible for the delay.

### 2. DUE DATE FOR SUBMISSION OF QUOTATION AGAINST THIS ENQUIRY IS

**05/12/2018 till 5.30PM**

3. QUOTATIONS RECEIVED AFTER THE DUE DATE SHALL BE REJECTED.

4. The Validity of your quotation should be for 60 days from the date.

5. All duties, taxes, surcharge and cess as currently applicable must be stated in your quotation, separately. Otherwise your quote is liable to be rejected.

6. Your quotation should indicate delivery period & Warranty period.

7. Delivery to be made to our Stores. please indicate charges, if any extra. Transit Insurance should be done up to inStem Stores.

8. If you are unable to supply the quality, specifications or brand as mentioned in our enquiry, please state so and then offer alternative to quality/Specifications.

9. Payment: within one month after delivery & acceptance/satisfactory installation.

10. Please ensure that the enquiry number and the due date is super scribed on the envelope failing which your quotation is liable to be rejected.

11. Since we are a public funded research institution, we are exempted from paying Customs Duty (Except ad valorem duty of 5% + 2% cess and CVD @4% vide Notification No.51/96 with latest amendments) and excise duty vide Notification No.10/97 CENTRAL EXCISE dated 01-03-1997 for all scientific equipment, technical instruments, equipment (including computers), their accessories, spares, consumables and software. Hence, please offer your prices taking this option into consideration.

The successful bidder will have to agree that in case the item is not supplied within the agreed delivery schedule and after a grace period of seven days, then Liquidated Damages (not in terms of penalty) will be imposed automatically and be deducted from their bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.





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**12.If the item is covered under DGS&D rate contract, please quote the rate as per the DGS&D rate contract with Xerox copy of the DGS&D order.**

13.Any dispute or differences that may arise between the parties shall be referred to the sole arbitration of the Centre Director or his nominees. The decision of the arbitrator shall be final and binding on the parties. The venue for arbitration shall be Bangalore. The provisions of the Arbitration and Conciliation Act,1996 as amended from time to time shall apply. The Courts in Bangalore shall have exclusive jurisdiction to deal with any or all disputes between the parties.

Yours faithfully

For and on behalf of Institute for Stem Cell  
Biology and Regenerative Medicine

  
Yesu R



GKVK, Bellary Road, Bangalore-560065,INDIA

Phone No. : 91-80-23666343/344/345/346

Fax : 91-80-23636662

Email Id: purchase@ncbs.res.in

Website : www.ncbs.res.in

**Technical Specifications of Refrigerated centrifuge:**

**Centrifuge:**

- > Refrigerated multipurpose bench-top centrifuge 3 Lit capacity
- > System should be capable of using fixed angle and swing out rotors with adapter to use different tube formats.
- > System should maintain temperature range  $-11^{\circ}\text{C}$  to  $40^{\circ}\text{C}$
- > System should have a maximum Capacity of 4 x 750 ml bottles and 4 x 5 MTP
- > Maximum speed for fixed angle rotors should be 14,000 rpm and RCF 22,132 x g force, for swing out rotors maximum speed 5100 rpm and RCF 5,234x g force
- > System should have user-friendly operation; key panel with provision to set speed RPM / RCF, radius correction values that can be changed during centrifugation.
- > System should have fast temperature function for rapid cooling of centrifuge and stand-by cooling options.
- > System should have programmable temperature function to allow automatic precooling based on pre-programmable time and date
- > System should have a minimum 5 direct program keys for routine programs and at least 99 storable programs
- > System should have excellent temperature control with compressor running continuously during the run time
- > System must have a timer function to support the sample pre-incubation
- > System should indicate "time since centrifugation complete" after completion of centrifugation run
- > System should have a rotor option with Universal bucket to hold three different formats of vessels (Tubes, Plates and Bottles)
- > System should have Universal adapter to support tube/plate/bottle formats without needing to change the adapters
- > System must be equipped with automatic rotor recognition and imbalance detection for maximum operational safety
- > Timer setting – 10 s to 99 h 59 min, with continuous run function
- > System should have a separate short spin function key with user defined speed
- > System should have 10 acceleration and deceleration steps
- > Noise level at max speed should be less than 53 dB(A) for quiet operation in work place
- > System should have automatic shut off function to reduce energy consumption and to extend compressor life when not in use for long hours
- > Rotors should be made of metallic and must be fully autoclavable at  $121^{\circ}\text{C}$
- > System must have a smallest possible foot print and smallest lid opening height for easy sample accessing while loading and unloading samples
- > Centrifuge lid with soft-touch lid closure, and low opening height for stress-free lid locking
- > Centrifuge lid should possess two gas springs to support the lid securely when opened
- > System should have extended display function to show both set and current parameter settings
- > System must have an USB-port for service maintenance
- > It should have emergency door lock release (in case of power failure)
- > Features in the quotations should be substantiated with proper company catalogue/brochure/manual



- > System must be European CE Certified
- > Warranty of at least one year from the date of successful installation in the lab

**Rotors:**

- > Swing out rotor of 4x 500 mL with rectangle bucket to fit tube/bottle using adapter with maximum of 4,000rpm and 3,220 x g
  - o Tubes capacity: 48 x 15 mL, 20 x 50 mL, 4 x 500 mL
  - o Plate adapter: 16 x MTP or 4 x DWP
- > Fixed angle rotor for 6 x 50 mL with aerosol tight lid for 50 mL conical tubes with maximum of 12,100rpm and 20,130 x g.
  - o Adapters for 15 mL tubes must be provided
  - o Rotor must be low weight (<3.3 kg) for easy handling
  - o Rotor bore angles must be 45° angle to minimize the pellets smear

