



Ref: NCB/F-181575/2018-2019 (N)

Date: December 6, 2018

ENQUIRY

Dear Sirs,

Please let us have your Lowest Quote/Proforma Invoice indicating cost including packing, insurance, estimated airfreight charges, handling charges, etc. CIF/CIP upto NCBS Stores for the following materials:

Sl. No.	Item/s description	Item Qty.
1.	Semi – Automatic Microtome (Cryostat) as per specifications attached.	1 No.

Please also indicate specifically the following:

1. The bids / quotation addressed to “**THE HEAD – PURCHASE**” with Tender / Enquiry Ref No. and Item Description should reach us before submission Date and Time. The bids / quotation are liable to be rejected, if not addressed to “**THE HEAD – PURCHASE**”.

2. EXIM CODE - 8 digit Customs Tariff Number – HSN (Harmonised System Nomenclature)

3. Country of origin

4. Place of shipment

5. Name, address, telephone number and fax numbers of your bankers

6. Your account number and swift number with the bank (required for payment purposes if the order materialises on your firm)

7. Please indicate freight and insurance charges separately.

8. Please indicate the Warranty Period and Delivery Period

9. Kindly expedite sending your Quote/Proforma Invoice/Invoice by courier so as to reach us latest by **24/12/2018**.

Important Note:

10. Shipping by AIRFREIGHT ONLY – CARGO MODE

11. Port of Entry for Customs clearance is – BANGALORE

12. Please use International Freights which arrive directly into Bangalore. Ex. Lufthansa Airlines Cargo, Singapore Airlines Cargo

13. NO SHIPMENT SHOULD BE MADE THROUGH COURIER COMPANIES LIKE FEDEX, TNT, UPS, DHL ETC. SHIPMENTS SENT THROUGH FEDEX, TNT, UPS, DHL, ETC. WILL NOT BE ACCEPTED BY NCBS.

14. NCBS is exempted in paying customs duty (except advalorem duty of 5% + 2% cess and 1% Cus Sec & High Edu. CESS on CIF value)

PLEASE NOTE THAT PAYMENT WILL BE MADE THROUGH SIGHT DRAFT THROUGH BANK (CASH AGAINST DOCUMENTS). DOCUMENTS WILL BE RELEASED FROM THE BANK IMMEDIATELY ON RECEIPT OF THE INTIMATION. BANK CHARGES INSIDE INDIA SHALL BE TO NCBS ACCOUNT AND OUTSIDE INDIA SHALL BE TO YOUR ACCOUNT. ALSO DO NOT INCLUDE CHARGES TOWARDS CUSTOMS DUTY IN YOUR PRICES SINCE NCBS WILL BEAR THIS EXPENDITURE.



Specifications for Semi-Automatic Microtome (Cryostat)

1. System should be Rotary and Open-top cryostat.
2. Rotary microtome should be suitable to cut uniform thin sections in the range of 1 to 100 μm in step of 1 μm of a variety of materials for detailed microscopic examination.
3. System should have Fine section thickness range 1 - 100 μm Fine section thickness resolution 1 - 10 μm in 1 μm steps 10 - 20 μm in 2 μm steps 20 - 50 μm in 5 μm steps 50 - 100 μm in 10 μm steps.
4. System should be integrated with the LCD touch/keypad operation.
5. System should be integrated with the LED light in the Chamber for view.
6. The microtome operation should be based upon the rotary action of a hand wheel and motor set in motion on rigidly held knife.
7. System should maintain the chamber temperature range from 0 to -35°C
8. System should have one automatic defrost cycle/ 24 Hrs. time controlled / temperature controlled auto/ manual defrost.
9. System should be spacious and of Stainless-steel cryochamber with antiglare illumination.
10. System should have suitable compressor for chamber cooling with CFC free refrigerant.
11. System should have large cooling chamber with plain surfaces and draining system, easy to clean and disinfect
12. Cutting drive should be manual.
13. System should have course feed completely motorized and electronically controllable.
14. System should have an option for specimen retraction.
15. System should have cutting speed ranging from 0 to 250 mm/sec.
16. System should have trim thickness ranging from 5 to 500 μm .
17. System should have specimen orientation of x- and y-axis, Z-axis up to 360° .
18. System should have heated sliding window to overcome condensation.
19. System should have at least four Peltier quick freeze stations with temperature of $-55^{\circ}\text{C} \pm 5^{\circ}\text{C}$
20. System should have Integrated, smooth hand wheel that locks in any position.
21. System should have Option to use both standard knife holder and disposable blade holder. The Knife holder should have knives from 110 to 185 mm long by 28 to 35 mm wide and has guards for protection both inside and outside clamp.
22. System should be equipped with UV for chamber decontamination.
23. System should be equipped with Programmable "Memory function" for fast and automatic retrieval of a pre-stored start position of sectioning.
24. The unit should be moved by means of steering castors with locking screws.
25. System must have CE /FDA certification and manufacturing company must have ISO.
26. System should take power input of 220-240VAC, 50Hz fitted with Indian plug.
27. System should be quoted with all Standard accessories like Object orientation set, Universal Cassette Clamp, universal knife holding base, Std knife holder, sharp blade holder, section Waste tray, Dust cover, OCT compound and 50 each low and high profile disposable Microtome blades.
28. Additional accessories such as 5 no's of anti-roll glass plate, 2 no's of plate holders should be included with the main offer.
29. All consumables required for installation and standardization of system should be supplied with instrument.
30. User/Technical/Maintenance manuals, Certificate of calibration and inspection from factory to be supplied with system.
31. **System should have 3 years warranty.**