

**NATIONAL INSTITUTE OF CANCER PREVENTION AND RESEARCH (ICMR)**  
**Plot No. I-7 SECTOR-39 NOIDA – 201301**

NICPR/Store/1/Equip Proposal/2016-17

Dated: 09.Jan. 2017

**INVITATION TO TENDER**

**SUPPLY, INSTALLATION & COMMISSIONING OF EQUIPMENTS**

Dear Sir,

1. The Director National Institute of Cancer Prevention And Research (ICMR), I-7, Sec-39, Noida-201301, invites Sealed Tenders for the Purchase of Laboratory Equipments **(as per detail is “Schedule of Requirement” enclosed at Annexure-I).** The bidders may go through the Terms and Conditions carefully. In case any bidder fails to follow any or more of these conditions, the offer shall be summarily rejected. **The Specifications of the Equipment are attached at Annexure-II.**
2. The quantity of Equipments is probable and subject to change without any further notice/reason. Notwithstanding the estimate of probable numbers, The Director National Institute of Cancer Prevention And Research, reserves the right to reject any or all the tenders without assigning any reason.

**Two Bids System**

3. Tender for **Each Equipment** as per Annexure-I is to be **submitted separately.** Technical Bids and Price Bids (as per Schedule of Requirement at Annexure-I) should be made/sealed separately and put together in an Envelope which should be clearly marked as **“Tender for (items)” & “Date of Opening”.** Technical Bid should accompany cost of Tender Documents, EMD and Line-wise confirmation of the proposed Specifications on Vendor’s Letter Head. Technical Bids and Price Bids will be accepted only from the Manufacturers of International repute, or, their Authorized Indian Representatives, for Supply, Installation & Commissioning.

4. The Tenderer should clearly mention whether they are the Manufacturer or authorized Dealer/agent of the Manufacturers. In the case of dealer/distributor/agent, latest letter of authorization from the Manufacturer should be submitted along with the Technical Bid. The tenderer can also enclose the rates on the letter head of the Manufacturer, if empowered to do so by Manufacturer(s) in writing, in addition to quoting the same in the Price Bid as per Schedule of Requirement at Annexure-I.
5. A copy of Specification, description and available illustrated literature should accompany the Technical Bid.
6. In case of imported Equipment(s) where prices are quoted in foreign currency, F.O.B. and C.I.F. both costs are to be mentioned. However, F.O.B. cost will only be considered for calculation of L-1 vendor.
7. **Last Date of Submission** – Last date of Receipt of Sealed Tender Documents at NICPR, Noida is **31-01-2017** by **4:00 P.M.** by Post or by Hand (at NICPR Reception). Tenders by E-mail/Fax will not be accepted. “Late Tenders”, for any reason whatsoever, will not be entertained/ taken into account, without assigning any reason thereof.
8. **Date & Time of Opening** – Technical Bids will be opened by the Purchase Committee on **02-02-2017** at **2.00 P.M.**, at 2<sup>nd</sup> Floor, Board Room. The Tenderers or their authorized representatives are requested to be present during opening of Technical Bids. Price Bids of only those Tenderers whose Technical Bids are found suitable subsequently by the Technical Screening Committee of NICPR, Noida, will be opened later on. Date and Time of the same will be intimated to the applicable Tenderers in advance by E-mail/or Post, so as to enable them to be present at the Time of opening of their Price Bids.
9. **Acceptance of Offer/Tender** – Price Bids of only technically suitable Offers/Vendors, as mentioned above, will only be opened. For calculation of Lowest (L-1) responsive vendor, the total value quoted for **Free of Cost Delivery at NICPR, Noida** will be taken into

consideration, In case of Tie at L – 1 rates, further negotiations may be made, at the discretion of the Director, NICPR, Noida, or Shortest Delivery period may be used to decided the L – 1. Decision of the Director, NICPR, Noida in this regard will be final.

10. Total order value for each Equipment will be calculated separately/individually. Hence Purchase Order on a vendor may be for any one Equipment only or for more. The vendor will not have any right to decline acceptance of such Purchase Order, else EMD will be forfeited.
11. The Vendor may Quote for any one or more number or all the Equipments mentioned at Annexure - 1 and submit EMD accordingly.
12. Each tender must contain the Total value not only in figures but also in words. In case of any Clerical/Typing error, value written in “words” will only be considered for assessing the L-1 Bidder and subsequent process, though the Director NICPR reserves the right not to accept any Tender only on the L-1 (lowest) criteria.
13. Fax/E-mail/Conditional tender will not be accepted.
14. Other Terms & Condition of Supply are attached at Annexure-III.

**Stores-In-Charge**

- Encl:**
- (a) Schedule of Requirement at Annexure-I.
  - (b) Specifications at Annexure-II.
  - (c) Other Terms and Conditions of Supply at Annexure-III.

**SCHEDULE OF REQUIREMENT**

**1. Name of Purchaser:** NICPR, Noida

**2. Funds:** Project

**3. The Vendor:** Whether Manufacturer/Auth. Dealer/Distributor/ Retailer etc.  
(Attach Authorization Copy duly authenticated by self)

S.No.	Name of Equipment	Qty.	EMD Amount	Rate	Total Value	VAT/ST if any	Any Other Taxes/Charges (Please Specify)	Total F.O.R NICPR Cost
1.	Semi Automated Rotary Microtome	1	30,000/-					
2.	Gel Documentation System	1	15,000/-					
3.	-80° C Deep Freezer	1	15,000/-					
4.	PCR Machine	1	15,000/-					
5.	Leap Unit	1	15,000/-					
6.	Laminar Flow Hood	1	15,000/-					
7.	CO <sub>2</sub> Incubator	1	15,000/-					

**Date:**

**Place:**

**Name & Signature of Authorized Signatory**

**NOTE:** -

1. Proposed minimum required Specifications of the above mentioned Equipment is attached at Annexure – II.
2. The Total Payable Cost is to be quoted for **Free of Cost Delivery at NICPR, Noida.**
3. Validity of Quotation is to be at least 120 Days from the Date of Tender opening.
4. Cost of Tender documents and EMD for Equipment quoted for are to be attached with the Technical Bid, as per Para 8 of Annexure-III enclosed.
5. Price Bid is to be made on the Vendor's Letter Head, duly stamped and signed, as per above format.
6. In case of imported equipments, **Port of Loading** is to be clearly mentioned for F.O.B. dispatches.

**MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENTS**

**Detailed Specification/Configuration of the Equipment**

**Semi Automated Rotary Microtome : -**

- a. Precision machine suitable for both delicate as well as hard tissue cutting with smooth running hand wheel.
- b. Ergonomic design with highest demands concerning operational safety with compact dimensions.
- c. Vertical guidance by zero-backlash and maintenance free cross roller bearings.
- d. Section thickness range from 0.25  $\mu\text{m}$  to 100  $\mu\text{m}$
- e. One hand quick clamp change and easy exchange of specimens.
- f. Fine orientation with one hand operation and zero positioning.
- g. Two sections thickness areas that can be pre-selected; easy switchable
- h. Removable operating panel with full graphic display.
- i. Indication of all relevant information such as section thickness, trim thickness, number of sections, section thickness sum, and remaining travel of the specimen feed as well as time and date.
- j. Ergonomic one knob operation of the specimen feed with variable speed adjustment.
- k. Large section waste tray, covering the entire working area for easy cleaning.
- l. Integrated removable storage plate.
- m. Electronic precision feed mechanism with stepping motor technology.
- n. Specimen retraction during return travel: 40  $\mu\text{m}$ ; can be turned off.
- o. Knife angle position locking facility.
- p. Fine section thickness feed via precision stepping.
  - i. Motor from 0.5 to 100 microns,
  - ii. up to 2  $\mu\text{m}$  in 0.5  $\mu\text{m}$  increments,
  - iii. up to 10  $\mu\text{m}$  in 1  $\mu\text{m}$  increments,
  - iv. up to 20  $\mu\text{m}$  in 2  $\mu\text{m}$  increments,

- v. up to 30 um in 5 um increments,
- vi. up to 40 um in 10 um increments,
- q. Trimming thickness feed via precision stepping motor up to 500 um:
  - i. up to 50 um in 10 um increments,
  - ii. up to 200 um in 20 um increments,
  - iii. up to 500 um in 50 um increments.
- r. Horizontal feed range 28-30 mm.
- s. Vertical specimen stroke 7-72 mm to make possible cutting of larger tissue
- t. Facility for specimen orientation in horizontal and vertical directions.
- u. Specimen orientation universal  $8^\circ$  , can be rotated  $360^\circ$ .
- v. Power input to be 220-240VAC, 50Hz fitted with Indian plug.
- w. Unit should be European EC/USFDA approved.
- x. Universal knife holder base and holders for high and low profile disposable blades to be provided.
- y. Spare high and low profile disposable blades in pack of 50 blades, 10 packets each and microtome lubricant oil (5 bottles).
- z. Standard tools and accessories required for working of the equipment to be quoted along with Service and operator manual.
- aa. Instruments should be supplied with suitable UPS with 1 hour power back up.
- bb. List of installations with certificate of satisfactory performance preferably from teaching medical colleges in Delhi and NCR.
- cc. Microtome should be compatible with high and low profile blades of other manufactures.

## **MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENT**

### **Detailed Specification/Configuration of the Equipment**

#### **Gel Documentation System: -**

- a. System should have Image resolution >4 mega pixels.
- b. System should have > 4.6 x 4.6  $\mu\text{m}$  pixel size and >3.0 order of linear dynamic range.
- c. System should be completely automatic & user does not have to zoom, focus, adjust aperture or select light source.
- d. System should be modular with different sample trays & flexible to image a wide variety of application, including nucleic acid, visible dyes, SYBR safe and stain free gels. Stainfree tray should be quoted included in the system.
- e. System should have UV, white light & blue light.
- f. System should require only one emission filter to accommodate a large portfolio of detection methods; ethidium bromide, SYBER GREEN, SYBER Safe, SYBR Gold, GelGreen, GelRed, Coomassie Brilliant Blue and other spectrally similar stains.
- g. System should have lens flat-fielding calibration for each sample tray to deliver image data.
- h. Computer desktop at least i5 processor, UPS 2 KVA should be provided along with system.
- i. Software with high level of automation in hardware calibration, image optimization, capture and analysis should be there.
- j. Warranty should be 3 year.

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## **MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENT**

### **Detailed Specification/Configuration of the Equipment:**

#### **-80° C Deep Freezer :-**

- a. Ultra-low temperature freezer should be -80°C and upright model.
- b. Freezer should be of 450 to 590 litres capacity.
- c. System should have programmable operating temperature from -50°C up to -80°C with 1°C increment.
- d. Programmable microprocessor controlled with membrane keypad and eye level control panel.
- e. Freezer should have 4-6 compartments with inner doors.
- f. Ambient to -80°C pull down timing should be less than 5 hours or better.
- g. Freezer should have heated air vent or vacuum release port for easy opening of doors and front mounted filter.
- h. Freezer should have security key locks on the outer doors keep out unauthorized users.
- i. System should have diagnostic software to identify any fault.
- j. Compressor should be capable to run any voltage between 190 – 270V.
- k. System should have top quality stainless steel interior prevents scratches, oxidation and rust.
- l. Warranty should be 5 years including compressor.

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## **MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENT**

### **Detailed Specification/Configuration of the Equipment: -**

#### **PCR Machine :-**

- a. System should have Peltier-based temperature control.
- b. System should have a sample capacity of 96 x 0.2 ml tubes.
- c. System should have an automatic software controlled temperature Ramp Rate up to 3 - 6°C.
- d. Temperature accuracy  $\pm 0.5^{\circ}\text{C}$  and temperature range 4 to 100°C.
- e. PCR volume range 10 to 80  $\mu\text{l}$ .
- f. Should have a minimum memory of 500 programs with option for further expansion through a USB Flash drive for transfer of files.
- g. Display interface more than 5.0" colour TFT LCD.
- h. Should have gradient capacity with minimum 8 gradient temperature and identical hold times for all rows of the gradient.
- i. Compatible UPS that can provide the back up at least 30 minutes.
- j. Machine should have **5 year warranty**.

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## **MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENT**

### **Detailed Specification/Configuration of the Equipment**

#### **Leep Unit :-**

- a. Should have electrosurgical generator with isolated power output and LED display located in front for precise power selection, deliver and easy to use.
- b. Should have provision of choice to CUT, BLEND and COAGULATE. Wave form to accommodate subtle differences in technique and electrode performance.
- c. Should have RF output frequency 450 kHz power cut 0-100 watt.
- d. Should have microprocessor control for increased precision, accuracy, safety, reproducibility.
- e. Should have pneumatic foot pedal for maximum safety.
- f. Should have audible safety features including distinct tones for each operation setting.
- g. Should have automatic self test mechanism ensuring accurate system operation.
- h. Should have high airflow efficiently capturing smoke plume with a variable speed control
- i. Should have triple stage filtration to capture airborne particulate matter, vapour and odour with a 99.99% efficiency level.
- j. Should be virtually maintenance free.
- k. Should have replacement filters available.

#### **Following standard accessories should be provided:-**

- Hand piece adaptor, patent return(single use), smoke evacuator package, smoke evacuator prefilter, smoke evacuator reducers, smoke evacuator disposable tubing.
- Ball electrode, electrode of various sizes with 12 cm shaft length
- Give specification of electrode size (both ball electrode x loop electrode).
- Graves coated speculums-small, medium and large size, coated lateral vaginal wall retractor,
- Reusable metal cartridge syringe
- Integrated cart
- Warranty should be of at least 2 years with 5 years CMC after the expiry of warranty period
- Installation will be the responsibility of the supplier
- After sale service should be provided
- Spare parts: Company should give undertaking regarding the availability of spare parts of the quoted model for next 10 years.

**MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENT**

**Detailed Specification/Configuration of the Equipment**

**Laminar Flow:**

1. Construction Body: STAINLESS STEEL
2. HEPA of 0.3m of an efficiency of 99.97% down to 0.3m Media Is of glass fiber & made of pleats
3. Pre filter (10m ) of dry fiber Washable type with the frame on all the sides.
4. Statically Balanced motor blower Assembly (Heavy Duty)
5. Ultra-quiet noise level of not more than 65 dBA
6. Vibration should be low.
7. Work area properly illuminated by diffused glare free fluorescent light.
8. U. V. Light 1 x 30/15 watts.
9. Cock for gases or vacuum line
10. Magnehelic Gauge
11. U.V. Resistant Poly Carbonate Sheet.
12. LCD display with soft touch switches for Motor, U.V. Light and U.V. Timer
13. Warranty should be 03 years
14. 4 feet-5feet wide, depth 2 feet-3feet

## **MINIMUM PROPOSED SPECIFICATIONS OF EQUIPMENT**

### **Detailed Specification/Configuration of the Equipment**

#### **CO<sub>2</sub> incubator**

1. Dimensions should be standard 150 L to 230 L
2. Interior body should be of Stainless Steel.
3. Minimum 4 perforated removable Stainless Steel Shelves with common or separate glass doors.
4. It should have Audible and visual Alarm for low or high temp and Alarm or indicator for Low or high CO<sub>2</sub>.
5. Air jacketed/Water jacketed.
6. Indicator should be of independent Thermostat, Analog, Electronic or in LED, and sensors may be Infrared (IR) or Thermal conductivity (TC) sensors.
7. It should have CO<sub>2</sub> Gas % indicator. CO<sub>2</sub> concentration range should be 0 to 20%. Also Oxygen control 1-20%.
8. It should have changeable HEPA filter.
9. It should be supplied with Humidity delivery water pan, Relative Humidity should be ambient to 95% at 37°C (98.6°F).
10. It should be supplied with CO<sub>2</sub> cylinder (50Kg) (make of Indian market–refillable in local market), with dual knob regulator.
11. It should be supplied with Three-year parts and on-site service warranty. AMC for subsequent 4th and 5th year may also be quoted

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### **ANNEXURE-III**

#### **INSTITUTE OF CYTOLOGY & PREVENTIVE ONCOLOGY (ICMR) PLOT NO. I-7, SECTOR-39, NOIDA – 201301**

##### **OTHER TERMS AND CONDITIONS OF SUPPLY**

1. Tender should be preferably, typewritten and every correction in the tender should invariably be signed by the Tenderer, failing which, the tender is liable to be rejected.
2. The Tenderer should ensure that the equipment(s) offered fully meet(s) the Specifications laid down by the Institute. If at any stage (even after placement of order/shipment/installation, etc.) it is noted that the equipment offered does not meet the specifications, The Director, NICPR reserves the right to take any decision including cancellation of the Tender/offer/Purchase Order etc. with forfeiture of EMD/SD/PBG as the case may be. Any dispute in this regard concerning any Terms and Conditions of the Tender and/or the supply of equipment, will be subject to Noida Jurisdiction only.
3. Tender for only one model as per our specifications should be quoted. No optional model should be included in the tender.
4. No Tenderer shall be allowed at any time on any ground whatsoever, to revise or modify the rates quoted by him. The Tenderer will not be allowed to withdraw the offer quoted. In the event of withdrawal, the EMD tendered shall be forfeited.
5. Increased statutory levies and duties, over and above the rates quoted in the Tender, will be borne by the Tenderer for supplies after the originally permitted Date of Supply in the Purchase Order. The Institute shall not extend validity period for this reason and it will not bind the Institute for supplies beyond the date specified in the Purchase Order.

6. For imported goods the Tenderer should clearly mention the agency commission separately, failing which tender will be rejected. The agency commission will be paid in Indian Rupees in India after satisfactory Installation and Commissioning of the equipment.
7. **Inspection and Acceptance of Equipment** – Acceptance process of the Equipment supplied will be considered complete only after successful Installation and Commissioning of the Equipment at NICPR, Noida, duly Certified as such by the User and Countersigned by the Director NICPR, Noida.
8. **EMD**: EMD, as indicated in the Schedule of Requirement at Annexure – I, and Cost of Tender Document (non – refundable) Rs. 100/- in the form of a Crossed Bank Drafts in favor of “**The Director, NICPR, payable at Noida**” Are to accompany Technical Bid. The Tender without the EMD and cost of Tender Document will be rejected summarily. No interest is payable on EMD which should be valid for at least 90 Days. EMD of un-successful Bidders will be released on finalization of Purchase Order. The **Tenderer may quote either for all the Equipments or for either** One/Two etc of them and submit EMD accordingly.
9. **Payment** – 100% Payment for the Equipment(s) will be made after Acceptance of the Equipments as per Para 7 above, on submission of the Invoice, Acceptance Certificate (Para-7 above) and PBG as per para 16 below.
10. **The firms should clearly indicate the pre-installation requirements for the equipment in their tender/quotation.** If the firm ignores this clause, the items required at the time of installation for the equipment and associated delay will be borne by the vendor at its own cost.
11. Supplier should give an undertaking that spare parts will be supplied as and when ordered for a period of ten years from the date of Installation.

12. If the tenderer fails to execute the Purchase Order within the specified delivery date or, as mutually agreed to in writing, the Order will be cancelled and SD will be forfeited.
13. The Instrument and Software should be installed and tested as per the specifications free of charge, including Training of two operators of the Institute staff at NICPR and subsequent up-gradation of software for the equipment.
14. Manufacture's test Certificate along with conditions and results is to be supplied along with the equipment.
15. **Warrantee** - All the items of equipment should be warranted for as mentioned in the specifications at Annexure-II. The warranty period will start from the date of successful Installation & Commissioning and Acceptance of the equipment. AMC charges for the subsequent Two Years should be clearly indicated in Price Bid.
16. The successful vendor will need to submit a Performance Bank Guarantee (PBG) for 2.5% of the total P.O. value, valid for a period of one month, beyond warrantee period. In case of any warrantee enforcement, the period of Warrantee will get suitably extended for the affected period of Warrantee repairs/replacements if it takes 15 days or more after intimation about the same in writing. PBG will be released after successful completion of warrantee period.
17. All damaged or unapproved goods shall be removed by the vendor at its own cost and risk. Any incidental expenses incurred by the Institute thereon shall be recovered from the vendor. Defective parts in the equipment, if found, before installation and during the warranty period, shall be replaced within 30 days of date of intimation from the ICPO, at the cost and risk of supplier, including customs duty, etc.

18. **Liquidated Damages (LD)** – LD @ 0.5% of the Total Purchase order Value, per week will be levied on the vendor for delay in Supplies, Installation & Commissioning of Equipment at Noida, subject to maximum LD of 2.5%, beyond which the Purchase Order may be cancelled in Toto without any financial liability on the Part of NICPR, Noida. The LD so levied will be recovered from the Final Bill/Proforma Invoice of the vendor. For calculation of the LD, any fraction of the week (i.e. less than Seven Days) will be considered as a week. However, Director, NICPR, Noida reserves the right to waive-off full or a part of the LD so levied, on application by the vendor giving full reasons for delay, and acceptance of such reasons for delay by the Director, NICPR, Noida.
19. **All the pages of theses Terms & Conditions are to be duly signed by the Vendor and returned/attached** with the Technical Bid, failing which the Tender will be summarily rejected.

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