

## ICMR-National Institute of Pathology

### Safdarjung Hospital Campus

### NOTICE INVITING TENDER

NIP/covid19 lab/Sikkim/2020-21/126

DATE: 26/04/2020

Expression of Interest (EOI) is invited through emails up to **29th April 2020 at 12:30 PM** from reputed manufacturers, suppliers or their authorized representatives for supply installation, and testing, and commissioning of laboratory instruments for STNM Hospital, Sikkim as per the details given in the Part-I of tender document. This tender document containing two parts (Part-I: Technical specifications and allied technical details; Part-II: Terms & Conditions of tender), may be downloaded from our website <http://instpath.gov.in/> and offers be addressed to the **Director in-Charge, ICMR-National Institute of Pathology (ICMR-NIP), New Delhi** within the stipulated date and time. Late/incomplete quotations will not be considered.

Sl. No	Item Description	Quantity required
1	Bio-safety Cabinet	01
2	-80C Deep Freezer	01
3	-20C Deep Freezer with UPS	02
4	Refrigerated centrifuge	01
5	Refrigerated micro centrifuge	02
6	Autoclave	01
7	Hot air Oven	01
8	Nanodrop	02
9	Ice Machine	01

Bidders are advised to regularly visit website <http://instpath.gov.in/> for corrigendum/amendments, if any, will be notified only on the above website. Director in-Charge, ICMR-NIP reserves the right to accept or reject any/all applications without assigning any reason thereof.



Director-in-Charge

**Part I:****Item No. 1: Bio-safety Cabinet(Qty-01)  
Specifications for Bio-safety Cabinet**

S. No.	Required Specifications of item	Features available Yes/No
<b>Make and Model:</b>		
1.	Biosafety cabinet should be class II, type A2 with working space of at least 4 Feet x 2 Feet	
2.	Should be $\geq 99.99\%$ inhibiting particles $\geq 0.3 \mu\text{m}$ with ULPA/HEPA filter as per ISO 9001:2015, WHO-GMP, CE & EN 12469-2000	
3.	Vibration free, noise level should be $\leq 65$ dB	
4.	Cabinet should have Fluorescent and Germicidal UV lamps with automatic control. UV lamps should be programmable for 30 min to 24 h	
5.	All interior walls should be made up of stainless steel and exterior should be powder coated.	
6.	Bio safety cabinet should have internally electrical socket outlet, and fitting for vacuum.	
7.	The system should be with dual DC motors for airflow maintenance and low energy consumption. Differential pressure gauge should be there.	
8.	The system should be provided with support stand.	
9.	The supplier should undertake periodical testing and validation, once every 12 months for 3 years	
10.	Installation, validation every year during warranty period, demonstration, and technical presentation should be conducted.	
11.	Optional: a compatible 2 KVA UPS from standard company with at least 30 minutes backup.	
12.	Power supply 220-240 V, 50 Hz	
13.	<b>Warranty:</b> 3 years comprehensive warranty and 2 years non-comprehensive	

**Item No. 2: DEEP FREEZER -80°C DEGREES (Qty: 01)**  
**Specifications for DEEP FREEZER -80°C DEGREES**

S. No.	Required Specifications of Item	Feature available Yes/No
1.	<b>Make &amp; Model:</b>	
2.	Vertical-type single-door deep freezer with temperature -80°C±-10°C and with a capacity of 700-800 litres, with pad locking system	
3.	Interior should be stainless steel/coated steel	
4.	Energy usage should be low.	
5.	Display – LCD/LED showing temperature with USB port for direct data extraction	
6.	Memory back up, Operation should resume to set temperature after power off	
7.	Low noise level ≤65 db	
8.	The system should have a vacuum release port for fast reopening of freezers.	
9.	Optional: Factory installed LN <sub>2</sub> /CO <sub>2</sub> Back up in case of power failure	
10.	The system should have vacuum based insulation gasket to avoid temperature leakage	
11.	The system should have dual compressors to maintain the temperature.	
12.	Safety features: Temperature alarm; Remote alarm should be provided with the system to monitoring system.	
13.	International certifications: CE, or equivalent, Class IIa Medical Device	
14.	Compatible standard stabilizer (wheel-based) should be provided with the system	
15.	Power supply upto 230 V, 50 Hz	
16.	Should be provided with compatible UPS	
17.	<b>Warranty:</b> 3 years comprehensive warranty and 2 years non-comprehensive	

**Item No. 3: DEEP FREEZER -20°C DEGREES (Qty: 02)**  
**Specifications for DEEP FREEZER -20°C DEGREES**

S. No.	Required Specifications of item	Features Available Yes/No.
1.	Make & Model:	
2.	Vertical-type deep freezer with temperature control from -20°C to -30°C and with a capacity of >300 litres	
3.	Front mounted microprocessor controlled digital temperature display located at convenient height	
4.	The system should have memory back up. Operation should resume to the set temperature after power off.	
5.	There should be an option for auto zero calibration through control panel.	
6.	CFC/HCFC free refrigerant	
7.	The system should be with heavy duty hermetic type compressor	
8.	Pull out drawers and with an option of adjustable shelves.	
9.	Instrument should be with low energy consumption	
10.	The system should have door with lock facility with an option of putting external lock	
11.	The system should have defrost option.	
12.	Safety features: The system should have alarm for High temperature, low temperature, door open, and power failure.	
13.	The system should be ISO 9001, 14001 Certified,	
14.	Compatible standard stabilizer	
15.	Power supply 220-240 V, 50 Hz	
16.	<b>Warranty:</b> 3 years comprehensive warranty and 2 year non-comprehensive	
17.	Should be provided with 2 KVA compatible UPS with 30 mins backup	

**Item No.4: Refrigerated Centrifuge: (01)**  
**Specifications for Refrigerated Centrifuge**

S. No.	Required Specification of item.	Features available Yes/No
1.	Centrifuge can attain Max speed of at least 16,000rpm with Brushless maintenance free drive	
2.	Temperature range should be of -11°C to 40°C	
3.	CFC free refrigeration and fast cooling option	
4.	Corrosion resistant stainless steel chamber	
5.	Machine should turn OFF automatically after certain hours of non-use to reduce energy consumption & extend compressor life	
6.	Must be able to maintain at 4°C at max. speed	
7.	Run time: up to 99 minutes or continuous mode	
8.	Must be able to store 50 routine procedures with 5 programmable buttons for frequently used programs in the first level	
9.	Able to switch display between rcf and rpm speed setting	
10.	Separate short spin key	
11.	Low noise levels $\leq$ 65db at max speed	
12.	Audible Alarm at the end of each run	
13.	LED/LCD display depicting all possible run conditions	
14.	Automatic motorised lid locking when lid almost closed	
15.	2-point lid screwing for maximum security even at high speed centrifugation	
16.	Must follow safety standards set by IEC 1010-2-020	
17.	Rotor should be made of anodised aluminium to ensure chemical resistance	
18.	Build-in condensation drain should be available to eliminate water accumulation.	
19.	Rotor must be autoclavable at 121°C for 20min to completely eliminate any contaminating material	
20.	Aerosol tightness should be certified by external body	
21.	Centrifuge should be IVD (In-vitro diagnostic) certified.	
22.	Automatic rotor recognition & imbalance detection	
23.	fixed angle rotor accommodating ~30 x 1.5/2ml tubes for speed about 15000 rpm	
24.	Fixed angle rotor accommodating 15/50ml conical tubes	
25.	Power supply up to 230V/50Hz	
26.	<b>Warranty:</b> 3 years comprehensive warranty and 2 years non-comprehensive	

**Item 05: REFRIGERATED MICROFUGE (Qty 2)**  
**Specifications for Refrigerated Microfuge**

<b>S.No</b>	<b>Required specifications of item</b>	<b>Features available Yes/No</b>
	Make & Model:	
1	Refrigerated Bench top Centrifuge with an aerosol-tight 24 x 1.5/2.0 mL tubes rotor and fixed angle rotor (autoclavable) Provide adapters for 0.6 ml tubes and 0.2 ml tubes	
2	Quick Lock rotor lid	
3	Speed up to 13,000 rpm or more	
4	Separate rpm/rcf converter button	
5	Temperature range: 0 °C to +37 °C	
6	Maintains constant 4 °C at max. speed	
7	Noise level should be low <65 dB(A)	
8	Fast pre-cooling of the centrifuge	
9	Brushless motor to provide maintenance free drive	
10	Acceleration and break time to max rpm of 15 sec. each	
11	International Regulatory Certification: IVD (In vitro diagnostics) and CE Compliance	
12	Power supply upto 230V/50Hz	
13.	<b>Warranty:</b> 03 years comprehensive warranty and 2 years non-comprehensive s	

**Item 06: Autoclave (Qty: 01)**  
**Specifications for Autoclave**

<b>S. No.</b>	<b>Required Specifications of item.</b>	<b>Features available Yes/No</b>
	<b>Make &amp; Model:</b>	
1.	Steam Autoclave with Approx. 50 to 80 L capacity	
2.	The system should be able to maintain sterilization temperature up to 135 °C and Pressure range of 0.1 - 0.4 MPa	
3.	The system should be microprocessor controlled. It should have set programme for different applications and option for customized programs	
4.	System should be with LED/LCD display. The system should have Pressure gauge, Steam release option	
5.	The system including lid should be made up of austenitic stainless steel sheet of SS-304 grade or better.	
6.	The system should be with double interlock option for better safety.	
7.	The system should have an inbuilt fan to cool down the chamber	
8.	Exhaust tank should be with 2 litre or more	
9.	The system should have Small Footprint	
10.	Accessories: Two compatible stainless steel baskets, one drain hose, one exhaust tank	
11.	Safety features: Over temperature alarm, water level indicator, pressure safety valve, over temperature/over pressure limiter	
12.	Should be provided with Class 5 indicator and Biological Indicators	
13.	International regulatory certification: ISO 9001, 2008 & CE Certification	
14.	Power supply 220-240 V, 50 Hz	
15.	<b>Warranty:</b> 03 years comprehensive warranty and 02 non-comprehensive	

**Item No. 07 :HOT AIR OVEN” (Qty 1)  
Specifications for HOT AIR OVEN**

<b>S. No.</b>	<b>Required specification of item.</b>	<b>Features Available Yes/No</b>
1.	Hot air laboratory oven with mechanical convection for fast drying, microprocessor-control, and capacity with 200-250 L	
2.	Temperature Range should be from Ambient to 250 <sup>0</sup> C.	
3.	Temperature Variation: +/- 5 <sup>0</sup> C	
4.	LED display	
5.	Number of Shelves should be at least 2 (two)	
6.	Interior chamber should be made up of Stainless steel	
7.	Safety features: Over-temperature protection	
8.	Power supply upto 230 V, 50 Hz	
9.	ISI certification	
10.	Warranty: 3 years comprehensive warranty and 2 years non-comprehensive s.	



**Item No. 08: Microvolume Spectrophotometer (Qty: 02)**  
**Specifications for Microvolume Spectrophotometer**

S. No.	Required Specifications of item.	Features available Yes/No
	<b>Make &amp; Model:</b>	
1	Applications: Nucleic Acid Quantification, DNA Quantification, RNA Quantification, Protein Quantification.	
2	Certifications/Compliance: UL/CSA/ CE	
3	Compatibility: Microsoft Windows 7, Windows 8 and Windows 10	
4	Detection Limits: Pedestal: $\leq 2\text{ng}/\mu\text{L}$ (dsDNA), $\leq 0.10\text{mg}/\text{mL}$ (BSA)	
5	Detection Range: Pedestal: 2-15,000ng/ $\mu\text{L}$ (dsDNA) , 0.10 - 400mg/mL (BSA)	
6	Detector Type: 2048-element linear silicon CCD array	
7	Interface: Laptop/ Desktop Computer	
8	Light Source: Lamp Xenon Flash	
9	Measurement Time: $\leq 5$ sec	
10	Minimum Sample Volume: 0.5 $\mu\text{L}$ or less	
11	Wavelength Accuracy: $\pm 1\text{nm}$	
12	Wavelength Range: 190-840nm or more	
13	Absorbance Precision: 0.002	
14	Absorbance Accuracy: $\pm 3\%$	
15	Absorbance range: Pedestal: 0.02-300 ABS,	
16	Path length: $\sim 1\text{mm}$	
17	Spectral resolution: $\leq 1.8\text{nm}$	
18	Sample pedestal Material: 303 stainless steel and quartz fiber	
19	Should have a USB Connection	
20	Warranty: 3 years comprehensive warranty and 2 years non-comprehensive.	

**Item No. 09:ICE FLAKING MACHINE (Qty 1)**  
**Specifications for ICE FLAKING MACHINE**

<b>S. No</b>	<b>Required Specifications of item.</b>	<b>Features available Yes/No</b>
1.	Minimum 50 kg/ day capacity	
2.	Production start time: 10-15 minutes.	
3.	Type of ice: Flakes.	
4.	Storage Capacity of bin: Min. 20 kgs.	
5.	Built-in insulated storage bin for maximum ice preservation.	
6.	Corrosion free exterior and interior.	
7.	Microprocessor based temperature control.	
8.	PUF insulation.	
9.	Quality compressor & Air Cooled condensation CFC/HCFC Free (R404A).	
10.	Automatic low water and full storage cut off system.	
11.	Castor wheels for easy movement.	
12.	Compatible Stabilizer	
13.	ISO 9001 & 14001 certified	
14.	Rugged stainless steel evaporator.	
15.	Operating Voltage: 220-240V/Hz	
16.	Warranty: 03 comprehensive warranty with 2 years non-comprehensive .	

## **Part II:**


### **Terms and conditions:**

1. Tenderers are requested to submit detailed techno-commercial bids for each of items mentioned in PART-I,
2. Submission of Bids
  - (i) Submission of bid: To be sent to email ID: nipdirectoroffice@gmail.com
  - (ii) Last Date and Time for submission of bid: 29<sup>th</sup> April before 12:30 pm.
  - (iii) The email should be sent with subject mentioning - "Tender for (Name of the item)" addressing-

The Director -in-Charge  
ICMR-National Institute of Pathology  
Safdarjung Hospital Campus  
New Delhi.
  - (iv) Bid received after the due date and time will not be considered under any circumstances.
3. Decision of technical committee/competent authority of ICMR-NIP will be final and binding in this regard.
4. If there exists a difference in the amount quoted in words and numeric, the lowest of them will be taken as the tender amount.
5. The Bid should accompany with complete specification, Manufacturer's name, address and relevant Literature / Brochures with Warranty terms
6. The quoted rate shall be for FOR New Delhi only.
7. The bidder who submits the tender on behalf of their principals should produce documentary evidence in support of their authority to quote or submit proforma invoice of their principals.
8. Details regarding terms of payment must be mentioned clearly.
9. Indicate the names of the reputed Indian Organizations including ICMR Institutes/Centers where similar equipment was supplied and may attach the satisfactory performance report of the equipment from user Organization and the price finally paid.
10. Based on the above information ICMR-NIP will have its option to obtain details of the goods, their performance, after sales services etc. for evaluation of the tender, directly from the concerned Labs/Scientist etc.
11. Device/Equipment should be CE-IVD approved.
12. The Tenderer is required to furnish the Permanent Account Number (PAN) allotted by Income Tax Department. If registered with the National Small Industries Corporation, the registration number, purpose of registration and the validity period of registration etc. should also be provided in the offer/bid.
13. Cost of the items should be mentioned clearly in the offer like:-
  - i) The optional and any other essential items / accessories required for the maintenance of the equipment for the next five years should also be specified in the offer separately.
  - ii) Packing, Forwarding, Freight & Insurance and Commissioning Charges, if any extra, may be quoted separately in the Bid.
  - iii) The actual Tax Percentage if any should be specified clearly.

14. The Tenderer's conditions printed on the tender or otherwise sent along with the tender shall not be binding on ICMR NIP.
15. ICMR-NIP New Delhi reserves the right to cancel the order in case the delay is more than one week
16. All losses arising out of non-compliance of the contract terms and conditions shall be adjusted against the payment due/outstanding to the firm, if any or will be recovered as arrears of land revenue under the legislation concerned.
17. All litigations arising out of this tender terms and conditions and contract obligations arising out thereof shall be dealt in the jurisdiction of the courts in Delhi.
18. In case of any unfair /fraudulent attempts to present untrue documents/evidence, the matter will be notified to concerned legal authorities besides black listing the firm.
19. Goods should not be dispatched until the Vendor receives a firm order.
20. The purpose of certain specific conditions is to get or procure best Equipment/service etc. for ICMR.-NIP The opinion of Technical Committee shall be guiding factor for Technical short listing.
21. Interpretation of the clauses in the Tender Document/Contract Document: In case of any ambiguity / dispute in the interpretation of any of the clauses in this Tender Document, ICMR-NIP Director -in Charge interpretation of the clauses shall be final and binding on all parties.
22. All disputes are subject to exclusive jurisdiction of Competent Court and Forum in New Delhi, India only
23. The Director -in-Charge ICMR,-NIP, New Delhi reserves all the rights to accept or reject any/all tender in full or in part without assigning any reason.
24. Annual Maintenance Contract
  - The following conditions are included in the annual maintenance contract:-
    - 3-years comprehensive warranty and 2 years non comprehensive services for equipment free of cost.
    - Provide spare parts to maintain the equipment, up to 10 years.
    - Submit Performance bank guarantee of 10% of the FOB Value of the order and which will be retained by ICMR-NIP till the end of warranty period.
    - The duration of warranty period will start after proper installation of the equipment and submitting users satisfactory report. The maximum response time to supply the item(s) is one weeks from the date of placing PO.
  - 0.1% of FOB as penalty per week till the warranty period, if the instrument remains in nonworking condition for more than 18 days.
  - When the equipment is under warranty/comprehensive maintenance, it would be the responsibility of the manufacturer/dealer/agent to procure spare parts and the Institute will not incur any expense on duty, octroi or handling charges.

25. **PAYMENT:** No advance payment is allowed under any circumstances. 100% payment will be released after receipt of the material, completion of satisfactory installation, and commissioning, of the whole system.
26. The item should be supplied with manuals and the manuals including technical drawings should be complete in all respects to operate the system without any problem.
27. The import license is covered under OGL policy of 2011 – 2016.
28. In case of Indigenous Items, the offer should contain the Basic Price and percentage of Excise Duty and should be shown separately, since ICMR is exempted from payment of Excise duty.
29. **The equipment will be installed at STNM Hospital, Sikkim.**
30. **Delivery Period:** As time is the essence of the contract, delivery period mentioned in the Purchase Order should be strictly adhered to.
31. **Period of validity of bids:** The bid should be valid/kept open for six months from the date of opening of the bid. Further, if extension of validity would be required in future, the bidder should extend the validity only and no other modifications shall be permitted.



Director in-Charge  
ICMR-National Institute of Pathology