

RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI

Tender paper for Equipment of Molecular Laboratory in Microbiology Department

Tender Notice No. 6583 (II) dated : 21.09.2015

Issued to

M/s _____

Against money receipt number/RIMS, dated :

Cashier
RIMS, Ranchi

Invitation of tender notice for Equipment of Molecular Laboratory in Microbiology Department, Rajendra Institute of Medical Sciences, Ranchi.

To,

M/s _____

Dear Sir,

Director, Rajendra Institute of Medical Sciences, Ranchi invites you to tender for Equipment of Molecular Laboratory in Microbiology Department, RIMS, Ranchi.

If you are in a position to quote for supply & installation in accordance with requirements stated in short tender notice & tender form, you must also furnish all the information, called for, along with your tender.

This tender is non transferable.

All legal matter in respect to this tender will be subjected to jurisdiction of Hon'ble Jharkhand High Court, Ranchi.

The last date of submission of tender -- 05.11.2015 (upto 4:30 p.m).
by registered posts / speed post only,

Date for opening technical bid - 06.11.2015 at 12:30 p.m.

Yours faithfully

Sd/-
Director
Rajendra Institute of Medical Sciences
Ranchi

Technical compliance report duly filled and signed with seal of the bidder.

The bidders must fill all the rows/columns of this compliance report. This report will be inspected & evaluated by purchase committee and accordingly documents will be verified on the concerned page numbers.

Sl. No.	Enclosures required	Have you enclosed it? write clearly Yes or No	If yes then on page no. of this bid.
	In case of lack of any essential required documents the tenders will be rejected - The list of essential required documents which must be submitted with technical bid of the bidders :		
1.	Photocopy of JVAT (Sales tax) Registration certificate in Jharkhand State.	Yes/No	Page No.
2.	Photocopy of JVAT/Sates tax clearance certificate of Jharkhand State, valid at the time of opening of technical bid. OR If the bidding agency is not registered under Jharkhand sales tax department, then they must give an undertaking through notary affidavit that "They will supply the equipment/items at RIMS, Ranchi after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for custom clearance in case of imported equipments. They shall not demand any document from RIMS for JVAT/custom clearance/duty exemption/waiver/relief in this regard".	Yes/No	Page No.
3.	Copy of Manufacturing certificate or original copy of authorization from original equipment manufacturer in the name of authorized bidder for bidding on their behalf. (Photocopy or fax copy will not be valid).		
	(i) Whether manufacturer or authorized dealer	Write clearly manufacturer or authorized dealer	If manufacturer then valid manufacturing licence on Page No.....
	(ii) If authorized dealer then write names of the original manufacturers and enclose the authorizations issued to you. e.g.		
	a. Authorization letter of M/s	Yes or No	On Page No.
	b. Authorization letter of M/s and so on	Yes or No	On Page No.
4.	I.T. PAN no. of the bidder.	Yes or No	On Page No.
5.	Earnest money in form of Demand Draft issued by any nationalized bank only in favour of Director, Rajendra Institute of Medical Sciences, Ranchi – (1) for Hand Instruments of various departments Rs. 1,00,000/- (Rupees One lakh only). (2) for Equipment of Molecular Lab Rs. 1,00,000/- (Rupees One lakh only).	Yes or No	On Page No.

	(3) for Equipment of Grade-II Virology Lab Rs. 1,00,000/- (Rupees One lakh only).		
6.	Affidavits through first class magistrate / Notary Public, mentioning that – (a) "Our company has not been black listed or convicted in the past by any Hospital Organization or by any Government / Semi government organization / P.S.Us / C.B.I / C.C.I & free from all kind of litigation/allegations, (b) That the firm has no vigilance case/CBI/FEMA/CCI case pending against him/supplier (Principal) (c) That the firm is not supplying the same item at lower rate quoted in the tender to any government organization or any other institute".	Yes or No	On Page No.
7.	Technical specifications with catalogue & dimensions of equipment, accessories & details of turnkey works. The bidders have to provide complete layout plan of the constructions & electrical works (if any) required and to be done by the bidder within their offer for installation & functioning of the complete system.	Yes or No	On Page No.
8.	I.T. return certificate & balance sheet of the bidders for last three financial years.	Yes or No	On Page No.
9.	For the bidders of hand instruments - acceptance letter/undertaking that they shall provide five years comprehensive warranty for all the hand instruments. For the bidders of equipments of various departments - acceptance letter/undertaking that they shall provide five years comprehensive warranty & then after five years comprehensive maintenance contract with all spares, accessories & labour charges for all the equipments. For the bidders of molecular lab & Virology lab equipments – acceptance letter/undertaking that they shall provide three years comprehensive warranty & then after seven years comprehensive maintenance contract with all spares, accessories & labour charges for all the equipments. For the bidders of molecular lab & Virology lab it is mandatory to bid all the required items (i.e. each & every items) as mentioned in the tender paper otherwise their tender will be rejected automatically during technical specification evaluation.	Yes or No	On Page No. ...

Note :

1. Payment of JVAT/Sales tax form JVAT-504 G / Road permit / Entry tax etc. of Govt. of Jharkhand will not be issued by R.I.M.S. authority. It will be responsibility of the bidders to arrange JVAT form 504-G or any other documents related to sales tax / entry tax on their own.
2. If any of the above enclosures are of more than one page then in the page number columns write clearly on page no. to page no.
3. Without filling the compliance report the offer will be rejected directly at the time of technical evaluation.

Certificate of Compliance

I Mr. / Mrs. / Miss on behalf of M/s (Name of firm / company) do hereby confirm that I have verified the above compliance report, it is duly filled. Our technical bid consists of total (No. of pages) (in words)

Signature of the Bidder
with date & seal of the firm / company

OFFICE OF THE DIRECTOR
RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI
Bariatu, Ranchi – 834009 (Jharkhand)

General Terms & Conditions

1. The terms and conditions mentioned in tender notice no. 6583. dated 21.09.2015 of RIMS, Ranchi.
2. The tender should be submitted complete with all documents as per demand of NIT & with specification, literature, leaflet along with catalogues etc. leaving no room for back references.
3. Bids are to be submitted in two parts viz. (A) Technical Bid containing complete technical aspects including original EMD & Affidavit (B) Price Bid containing price elements only.
4. Technical Specification should be in the proforma / format given below :

Technical Specification Proforma :

Sl. No. as per Tender list	Name of Instruments / Item	Name of Manuf. / Model / Size	Tenderer's detail technical specification / Size offered in this bid

Full signature of the
tenderer with seal

Designation :

Dated :

5. **Price Bid Proforma :**

A. Price of Equipment / Item

Sl. No.	Name of Instruments / equipment / Manuf. / Model	Technical specification of the items / equipments	Unit Price in Indian Rs.	Price FOR RIMS with installation & all taxes.

Note:- All the quoted hand instruments must have full guarantee of five (05) years & major equipments must have full guarantee of three years. During guarantee period as well as CMC period, all the defective parts or the complete system if found defective shall be replaced free of cost by the bidder.

Full signature of the tenderer with seal & date

6. The full EMD shall be forfeited in case of backing out of the offer after acceptance.
7. The successful tenderer have to supply immediately the items in accordance with the specification as finalized and approved by the purchase committee.
8. The tenderer should furnish the guarantee period of the complete system.
9. The bidders have to offer their best quality & latest models of equipment.
10. In case of late supply of materials, penalty will be charged on the bidder as per norms mentioned hereunder :-
 - i. After 07 days (one week) from stipulated date of supply completion - @0.5% (point five percent) per week of total contract value upto 04 weeks
 - ii. After 04 weeks @1% (One percent) of contract value per week upto 08 weeks
 - iii. After 08 weeks @2.0% (Two percent) of contract value per week upto 12 weeks.
 - iv. After 12 weeks the security money & EMD will be forfeited by RIMS and the bidder will be debarred / black listed for further participations.
11. List & specification of equipment for Molecular Laboratory of Microbiology department :-

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DEPARTMENT OF MICROBIOLOGY

RAJENDRA INSTITUTE OF MEDICAL SCIENCES

Bariatu ,Ranchi-834009 (Jharkhand)

MEMO No 241 DATED 11/10/15
Microbiology Deptt. RIMS
RANCHI-9

To,

The Director
RIMS,
Ranchi, Jharkhand

Sub: Final specification for the purchase of instruments for the establishment of molecular lab in Dept of Microbiology.

Dear Sir,

This is to bring to your kind notice that in Dept of Microbiology we are to establish a molecular lab .Initially the lab has only one Real Time PCR but for serving the RIMS for various other viral diagnosis some purchase of items has to be done. Few of the instrument procurement is in process but we need some more instruments for the complete establishment and smooth running of the lab .

Please do find the attached list and specification of the instrument required is attached to the letter.

With Regards

Date:

Dr (Prof) N P Sahasrathi
Prof. and H.O.D.
Department of Microbiology,
RIMS, Ranchi.

11/10/2015
Dr N. P. Sahasrathi
Professor & H.O.D., Dept. of Microbiology
RIMS, RANCHI

Molecular Laboratory of Microbiology department :-

List of Equipments

✓1	-20° Deep freezer	
✓2	-80° Ultra Low temperature freezer	
✓3	Multichannel Pipettes	
✓4	Single Channel Micropipette	
✓5	Magnetic Stirrer	
✓6	Dry Heat Bath	
✓7	pH meter	
✓8	Microwave oven	
✓9	Mini Centrifuge	
✓10	Vortex	
✓11	U.V. Illuminator	
✓12	Minicoolers	
✓13	Vertical Autoclave	
14	Medical refrigerator	
✓15	Real Time PCR Machine	
✓16	Digital Weighing balance	
✓17	Horizontal Electrophoretic chamber with power supply	
✓18	Triple Distillation unit	

Item #. N° 01 & 02

(+72)

ULTRA LOW TEMPERATURE DEEP FREEZER MODEL with

Technical Specification :

(- 20 to - 80)

Capacity : 725 L; 25.6 Cu. Ft.

Temp Range : -Programmable temperature range from -20°C to -86°C in 1°C increments, even at ambient temperature upto 32°C

Control : Micro Processor control of temperature and alarms with non-volatile memory

Circulation : Requires just one fan for reduced power consumption and noise.

Cascade Refrigeration: Hermetically-sealed two stage cascade system with capacity to cope in high-ambient conditions

Insulation: Polyurethane foam, 5.1", 130 mm thick

Chamber : Latchable inner door to minimise cold air loss when external door is opened and reduce power consumption to maintain temperature.

Shelves : 3 compartment

Security : Keyed locks on the outer doors and lids keep out unauthorized users

Password : 4-digit password prevents unauthorized users from changing the temperature setpoint or alarm setpoint .

Power : On-Off switch is located behind the locked panel, preventing power from being accidentally turned of f.

Battery Backup : Activates alarms and display temperature during power outage.

Alarms : Audible and Visible alarms for Temperature, filter clean, power out, Low Battery, System Fail, Fault analysis. S. M. A. R. T. Plus diagnostic software, built into the front control panel , assist trouble shooting fault condition.

Construction :

Exterior : 18 guage Stainless Steel , 1.2 mm thick with powder coated paint to resist scratch and rust.

Interior : Polished 304 SS is easily cleaned , eliminates potential for oxidation.

Door seal : Inner door fitted with low temperature safe silicone seal to prevent temperature loss when opening the outer door.

Outer door fitted with low temperature – safe silicone triple point seal, providing tight fit

Heated Air vent : Unique heat vent with manual plunger for iveremoval prevent vacuum formation, for fast reopening of the chamber door after closer.

Air Filter : Front mounted compressor filter is easily visible and accessible by ¼ turn srew for quick removal. Resuable filter rinses clean.

Display : large, bright, digital LED characters, 1/2", 1.3cm high mounted at eye level.

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Insulation: VIP Ultra thin vacuum insulation panels with NANOGEL encapsulated between a metallic polymer film barrier, bonded to foamed in place polyurethane foam; 3.15", 80mm thick

Electric Power :

Programmed startup : Random startup times have been programmed, 1-1.5 minutes apart, preventing power supply overload should multiple freezer restart simultaneously following a power failure.

Stability : " Voltage Boost-Buck" on all 60Hz models, evens out high or low voltage fluctuation to maintain stable power.

Cetification : CE and CSA certified.

Computer networking : Factory Installed , Optional RS-485 communication port with optional software package enable remote control and monitoring of upto 30 Freezers. LED indicates when the operation is controlled via computer.

ADVANTAGES :

Greater Internal Storage Capacity in the same footprint through use of Vacuum Insulation Panel technology.

Faster Temperature Recovery after door opening through patented Tollesbury Technology, improves sample perservation, lowers energy consumption and lengthens compressor life.

And Higher-Grade Seals for outer door and cabinet; better-quality internal and inner doors on uprights that lift off hinges without tools.

Shipping Weight : 315 Kg

Ambient Condition : Engineered to maintain an internal Temperature of -86°C , even when operated in ambient temperature condition of up to 32°C

Temperature Back Up : Optional Co2 and Ln2 Backup are available

OPTIONAL ACCESSORIES :

CO2 BACK UP SYSTEM

CO2 Back up system for Innova Freezer, 230V.

Note : CO2 Gas Cylinder with dip tube will be user supply.

RACKING SYSTEM :

Freezer rack (Alluminium) for 2" Or 50mm box height.

Freezer rack (Alluminium) for 3" Or 75mm box height.

BOXES & DIVIDERS

Plastic coated cardboard box (Including Divider) of 2" height.

Plastic coated cardboard box (Including Divider) of 3" height.

Plastic coated cardboard box (Including Divider) of 4" height.

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③ Multichannel (12 Channel) variable volume Pippetes

- Manual
- Full Autoclavable
- Variable volume
- Piston should be Ultralight and made of Fortran & chemically resistant.
- Tip cone should be Spring loaded.
- Secondary adjustment should be present in case of different liquids or other external conditions without the need for the full calibration
- Single handed volume setting
- Freely rotating button Cap
- Volume 30-300µl / 0.5 – 10 µl / 10-100µl
- Volume Display

④ Single channel variable volume micropipette

1. Piston should be Ultralight and made of Fortran & chemically resistant.
2. Tip cone should be Spring loaded.
3. Secondary adjustment should be present in case of different liquids or other external conditions without the need for the full calibration

Volume(µl)	2-20	10-100	100-1000	0.5-10
Max Vol	20	100	1000	10
Min Vol	2	10	100	0.5
Accuracy (Minimum)	±1%	±0.8%	±0.6%	±1%
Calibration	User	user	user	User
Full Autoclavable	Yes	yes	yes	Yes
Increments(µl)	0.02	0.1	0.2	0.01
Precision	±0.3%	±0.2%	±0.2%	±0.04%
Tip ejector	Yes	yes	yes	Yes

⑤ Magnetic Stirrer

- PMDC motor for higher torque even at low speeds
- Better low speed stirring even with small volume
- Accurate stepless speed control to maintain excellent speed stability.

Stainless steel hot plate.

Maintains speed stability despite viscosity or volume changes.

Stirring Capacity	Heating Capacity	External Dimensions	Stirring Paddle (PTFE Coated)
2 Ltrs	300 Watts	160 x 200 x 160 mm	9 x 35 mm length

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⑥ DRY HEAT BATH

Peltier controlled device for temperature control and mixing in various tube and plate formats

Special Features:

- 2D Mix-Control
 - Optimized mixing and Anti-spill technology
 - Short - mix function, Interval mix, Pause function
 - 5 direct program keys, reprogrammable and stored
 - 20 program spaces with 4 steps in the menu
 - User friendly concept.
 - Excellent mixing and incubating performance:
 - Time and temperature control modes
 - Eleven different exchangeable Eppendorf SmartBlocks offer a high degree of flexibility (Blocks to be ordered separately)
 - Automatic block recognition
- Technical Specifications:**
- Temperature control range: From 15 °C below room temperature to 100 °C, minimum setting of 1 °C.
 - Mixing frequency: 300 - 3000 rpm (depends on the SmartBlock used)
 - Maximum Temperature Accuracy: $\pm 0.5^{\circ}\text{C}$ at 20-45°C
 - Temperature Homogeneity: Max: $\pm 0.5^{\circ}\text{C}$ at 20-45°C
 - Maximum Heating rate: 6 ° C / min
 - Maximum Cooling rate: 2.5 ° C / min between 100°C and RT
 - Mixing stroke in Φ : 3 mm
 - Power supply: 220 - 240 V, 50 - 60 Hz
 - Power requirement: 200 W
 - Dimensions (W x D x H): 20.6 x 30.4 x 13.1 cm
 - Weight of basic device: 6.2 Kg

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Dr N P Sahu (Principal Investigator)

Prof & HOD

DEPARTMENT OF MICROBIOLOGY,

7. Ph Meter

PH

Range	0 to 14 pH
Resolution	0.001 pH
Stability	0.002 pH per hour
Relative Accuracy	± 0.002 pH ± 1 Digit
Slope	85% to 115%
Standard Buffers	1.679, 4.004, 7.000, 9.183, 12.454 Acceptable
Buffer Deviation	± 0.5 pH
Other working buffers	0 to 14 pH (value entered through numerical keys)

mV

Range	0 to ± 1999.9 mV
Resolution	0.1 mV
Accuracy	± 0.5 mV ± 1 Digit or $\pm 0.05\%$ of reading

Temperature

Compensation	Auto / Manual
Range	0 to 99.9° C
Resolution	0.1° C
Accuracy	$\pm 0.5^\circ$ C ± 1 Digit
Display	2 line, 20 - character alphanumeric LCD

Annunciation Individual LED with keys for calibration, pH, ABS mV, REL mV and print.

Data Storage 80 Reading

Printer port Epson compatible 80 column
Dot Matrix

Power 230 V AC $\pm 10\%$, 50Hz.

Dimensions 250(W) X 205(D) X 75(H) mm

Weight 1.25 kg (Approx)

Accessories i) pH Electrode (Combined)
ii) Temperature Probe (PT-100 Sensor)

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Optional

Accessories

- i) Redox Electrode (Pt. Electrode)
- ii) Calomel Electrode
- iii) 80 Column Dot Matrix Printer

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Dr N P Sahu (Principal Investigator)
 Prof & HOD
 DEPARTMENT OF MICROBIOLOGY,
 RIMS, RANCHI

⑧ Microwave

Capacity	0.8 cu.ft./20 Liter
Installation	CMO
Heat Source	Solo
Power	Power Source 230V/50Hz
	Output Power (Max) 800
	Power Consumption (Microwave) 1,150 watts
DisplayType	LED
Power Level	6
Control Method	Membrane
Door Opening Type	Push button type
Microwave Distribution	Turntable
Cavity interior	White Epoxy
Max Cooking Time	99 minutes
One Minute/30 sec Plus	+30s Plus
Option	Auto
Auto Cook	Yes
Setting (My Choice)	Clock System Option (12H/24H) Yes
Sound Option	Yes
Reminder End Signal	Yes
Weight	10.5Kg
Dimension	485 x 275 x 320mm

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9 MINI CENTRIFUGE

Technical Specifications:

Power requirement: 85 W
Maximum Rotational Speed : 14,500rpm
Relative centrifugal force (rcf): 14,000 x g
Acceleration time to max. speed: Approx. ≤ 13 s
Braking time from max. speed: Approx ≤ 12 s
Dimensions (H x W x D) :22.5 x 24 x 12 cm
Weight,incl. rotor: 4.3 Kg

Features:

Extremely compact, with exceptionally small footprint
Low noise levels
Unbelievably quiet operation
Maintenance-free drive
Easy-to-understand digital display
Low sample heating (max. 12 ° C after 20 min. at max. speed)
Separate short-spin key
Automatic lid release
Built-in power supply
Capacity: 12 x 1.5/2.0 ml tubes
Autoclavable rotor (121 ° C, 20 min.)
Acceleration and braking times < 13 sec (at Max.speed)
Stainless steel rotor lid
Includes refined Black Line aluminum rotor
rpm/rcf setting as required
Timer can be set up to 99 minutes
Continuous centrifugation possible

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10 Vortex

- Having Anti Microbial Protection / Coating at time of Manufacturing.
- Variable speed control between 200 and 2500 rpm
- Intermittent or continuous mode.
- Stable low profile body.
- Robust die-cast construction.
- Accessories

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11 UV Illuminator

Intensity: Select models offer single intensity other models include variable intensity. Refer to the part numbers tab for information.

Variable intensity settings - High/Medium/Low: High setting allows for UV excitation of fluorophores on gels for routine photography. Medium is excellent for viewing and quick single-band excision. Low setting allows for positioning and preparation of gels, excising multiple bands, and focusing for photography.

UV Source:

Dimensions: 279 x 356 x 137mm

Height includes UV blocking cover

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12 Minicoolers

Quick Freeze -70°C for 12 tubes from 0.5 to 2.0 ml. With alphanumeric ID code on the transparent lid and the lower section. For rapid and repeated refrigeration in the molecular biology laboratory. Can be used repeatedly for up to 45 minutes. Made of resistant polycarbonate filled with non-toxic insulating fluid. No direct contact between the tube and the insulating fluid. With non-slip feet.

- Temperature Range -70°C
- Capacity 12/24/96/x0.5-2.0 ml
- Overall Dimension depending on capacity

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Technical Specification for Autoclave

Autoclave should be

- Manual , vertical & double walled
- Outer Chamber M.S covered with S.S. 304 sheet
- Inner Chamber. S.S. 304
- LID: Mild Steel
- Radical Locking System
- Ring made of cast iron duly painted
- Automatic Pressure control Switch
- Vacuum Breaker
- Pressure Gauge
- Water Level indicator
- Safety Valve
- Steam Release valve
- Paddle lifting device
- S.S. Basket
- Tank Cap. 50 ~~liters~~ or more

2020 304 to 304 d.

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14 Medical Refrigerators (320 litres)

Capauli - 320 litres

11/10/13

15 Automated Real Time PCR system

1. System should have CE-IVD & US-FDA certification
2. Real time PCR should support reaction volume from 10µl -100µl
3. Real time PCR Light source should be arc xenon lamp for highest intensity of light source
4. Simultaneous, scan-free detection of signals from all wells with telecentric optics & CCD Camera
5. System should offer full traceability: Date, time, lot numbers, QC checks, patient ID and test results should all be captured in a single report
6. System should have the options for running laboratory-developed protocols or open platform apart from existing IVD-approved test menu.
7. The system should have simple and user-friendly software to operate with small footprint
8. System can do more than 5 multiplexing.
9. The tests should be able to reliably detect mutations in cell lines and clinical FFPE specimens at > 5% mutation levels
10. Heating & cooling should 37° C to 95° C, (20° C starting temperature to perform specific melting curve analysis) be through 96 well peltier based thermal cycler.
11. ROX or reference dye should not be required & system should be calibration free.
12. Heating rate: 96-well block: 4.4° C & Cooling rate: 96-well block 2.2° C
13. The system should have complete automated result interpretation
14. System is 21 CFR Part 11 compliance
15. Bi-directional communication with laboratory information system

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16. System should have safety protocol for Ebola Virus, H1N1 etc

17. Service provider or principal company should have ISO & TUV certified Application & service team for good quality servicing.

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16 Digital Weighing Balance

Technical data

Readability mg	0.1 mg/0.01 mg/0.01
Maximum capacity	210 g/81 g/41 g1)
Taring range	0...210 g
Repeatability mg	0.1 mg/0.05 mg/0.02
Linearity mg	±0.2 mg/0.1 mg/±0.03
Stabilization time (typical)	3 s
Adjustment internal, fully automatic motorized initiation (FACT) and test possibility for checking the sensitivity	
• with internal weight	200 g
• with external weights	40/100/200 g
Sensitivity	
• Temperature	±1.5 ppm/°C
• Long-term	±0.003 %
Display	backlit LCD
Interface	LocalCAN universal
interface	
Weighing pan	ø 85 mm, stainless steel
Effective height above pan	240 mm
Dimensions (w/d/h) balance mm	205mm x 330mm x 310
Net weight/with packaging	4.9 kg/7.25 kg

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17) Horizontal Electrophoretic Chamber

Durable acrylic construction

- Corrosion-resistant platinum electrodes and gold-plated banana plugs
- Electrode placement ensures a uniform electric field and clear banding
- UV Transmissible (UVT) gel tray allows user to view bands on a transilluminator without removing the gel from the tray.
- The tray can withstand hot agarose (as high as 75°C) during casting. A leak-resistant gasket allows for casting in buffer chamber without taping.
- Can run 3 different gels & screen up to samples at a time.
- Two comb positions allow user to run one or two series of samples for sample flexibility.
- The integrated fluorescent rulers screened on each gel tray allow for run length comparisons.
- Safety interlocking lid features attached three-foot long power supply leads. Buffer exchange ports are available as an option.
- Systems include buffer chamber; perforated lid with attached power supply leads; Easy cast gasketed UVT gel tray; and two combs of different sizes each more than two in no.

Stablized DC power supply $\geq 500 \text{ mV}$

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18 Water Purification System

Specifications:

General: Tender is invited from reputed original manufacture or their authorized agents/dealers only. Information regarding installation in India and satisfactory service and maintenance may be forwarded with all the details for verification.

Technical:

A compact water purification system with ISO 9001 certified designed to be fed directly by potable tap water visual display for quality parameter, filter condition etc. Reservoir capacity of approx. 30 lit. Necessary pre-filters, cartridges and accessories to get ultra pure, laboratory grade water for molecular biology work

Quality of ultra pure water provided by system should fulfill following criteria:-

Resistivity:	18 or more meg-ohms-cm. 2
Conductivity:	90 – 100 micro-ohms
Pyrogen level:	To the levels 0.001 eu/ml with disposable / add on ultra filtration cartridge.
Microorganisms:	< 1 cfu/ml.
TOC values:	< 5 ppb.
Final filtration:	Through 0.22 micron filter
Volume of pure and ultrapure water/day:	100-150 lit/day
Power Supply:	210-240V/50-60 Hz

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List of Equipments

1	-20° Deep freezer	
2	-80° Ultra Low temperature freezer	
3	Multichannel Pipettes	
4	Single Channel Micropipette	
5	Magnetic Stirrer	
6	Dry Heat Bath	
7	pH meter	
8	Microwave oven	
9	Mini Centrifuge	
10	Vortex	
11	U.V. Illuminator	
12	Minicoolers	
13	Vertical Autoclave	
14	Medical refrigerator	
15	Real Time PCR Machine	
16	Digital Weighing balance	
17	Horizontal Electrophoretic chamber with power supply	
18	Triple Distillation unit	


 Director
 Rajendra Institute of Medical Sciences
 Ranchi
 06/10/15
 06/10/15


**OFFICE OF THE DIRECTOR
RAJENDRA INSTITUTE OF MEDICAL SCIENCES, RANCHI & 834009, JHARKHAND**

Tender Notice No. 6583 /RIMS, Ranchi, Dated : 21.09.2015

NOTICE INVITING TENDER

Sealed offers are invited in two bid system (Technical & Price bid) by Speed post / Registered post only, from original equipment manufacturer or authorized dealer for (1) Hand Instruments & small equipments for various departments, (2) Supply & installation of equipment for establishment of Molecular lab in Microbiology and (3) Supply & installation of equipment for establishment of Grade II ICMR virology laboratory in the department of Microbiology at RIMS, Ranchi, Jharkhand, India. Tenders will not be accepted by hand or any other agency.

A. Important dates for Tenders		
1.	Pre bid meeting for discussion on various technical issues	On 01.10.2015 at 12:30 P.M at RIMS. All the intending bidders must attend the pre-bid discussion meeting for clarification of their queries & requirements of RIMS. No claims will be considered after finalization of tender paper.
2.	Date of issue of tender documents	From : 07.10.2015 to 04.11.2015 (The intended bidders may purchase tender document on any working day upon

		payment of Rs. 5000/- (Five thousand non refundable) only for each tender paper in cash to the RIMS Cashier or those who want to bid by downloading the tender document, they have to submit separate demand drafts of Rs. 5000/- for each tender paper with their technical bid.
3.	Last date of submission of sealed tender documents (Only by speed post / Registered post)	On 05.11.2015 till 04.30 P.M
4.	Opening of technical bid & discussion on technical issues.	On 06.11.2015 at 12:30 P.M in RIMS administrative conference hall, in front of purchase committee. All the bidders or their duly authorized representative must represent the tender opening for discussion & queries of purchase committee.

Note :1. For details of tender terms, conditions & specification please visit RIMS website : www.rimsranchi.org for sample tender paper to attend the pre-bid meeting.

2. Final Tender paper will be uploaded on 07.10.2015, All the bidders have to submit their tender as per final tender paper.

3. Before participating the meetings the bidders may physically visit the site and they may discuss with H.O.D. Microbiology, RIMS, Ranchi regarding requirements or queries

In case of lack of any essential required documents the tenders will be rejected - The list of essential required documents which must be submitted with technical bid of the bidders :

- i. Photocopy of JVAT (Sales tax) Registration certificate in Jharkhand State.
- ii. Photocopy of JVAT/Sates tax clearance certificate of Jharkhand State, valid at the time of opening of technical bid.

OR

If the bidding agency is not registered under Jharkhand sales tax department, then they must give an undertaking through notary affidavit that "They will supply the equipment/items at RIMS, Ranchi after payment of JVAT/Jharkhand Sales tax on their own & they will make their own arrangements for custom clearance in case of imported equipments. They shall not demand any document from RIMS for JVAT/custom clearance/duty exemption/waiver/relief in this regard".

B.

- iii. Copy of Manufacturing certificate or original copy of authorization from original equipment manufacturer in the name of authorized bidder for bidding on their behalf. (Photocopy or fax copy will not be valid).
- iv. I.T. PAN no. of the bidder.
- v. Earnest money in form of Demand Draft issued by any nationalized bank only in favour of **Director, Rajendra Institute of Medical Sciences, Ranchi –**
 - (1) for Hand Instruments of various departments Rs. 1,00,000/- (Rupees One lakh only).
 - (2) for Equipment of Molecular Lab Rs. 1,00,000/- (Rupees One lakh only).
 - (3) for Equipment of Grade-II Virology Lab Rs. 1,00,000/- (Rupees One lakh only).
- vi. Affidavits through first class magistrate / Notary Public, mentioning that –
 - (d) "Our company has not been black listed or convicted in the past by any Hospital Organization or by any Government / Semi government organization / P.S.U.s / C.B.I / C.C.I & free from all kind of litigation/allegations,
 - (e) That the firm has no vigilance case/CBI/FEMA/CCI case pending against him/supplier (Principal)
 - (f) That the firm is not supplying the same item at lower rate quoted in the tender to any government organization or any other institute".

vii. Technical specifications with catalogue & dimensions of equipment, accessories & details of turnkey works (if any required for installation of equipments). ~~The bidders have to provide complete layout plan of the constructions & electrical works (if any) required and to be done by the bidder within their offer for installation & functioning of the complete system.~~

viii. I.T. return certificate & balance sheet of the bidders for last three financial year.

ix. For the bidders of hand instruments - acceptance letter/undertaking that they shall provide five years comprehensive warranty for all the hand instruments. For the bidders of equipments of various departments - acceptance letter/undertaking that they shall provide five years comprehensive warranty & then after five years comprehensive maintenance contract with all spares, accessories & labour charges for all the equipments. For the bidders of molecular lab & Virology lab equipments – acceptance letter/undertaking that they shall provide three years comprehensive warranty & then after seven years comprehensive maintenance contract with all spares, accessories & labour charges for all the equipments. For the bidders of molecular lab & Virology lab it is mandatory to bid all the required items (i.e. each & every items) as mentioned in the tender paper otherwise their tender will be rejected automatically during technical specification evaluation.

C. Other terms & conditions of tender :

1. Technical part should contain the documents & request for proposal and all such details as mentioned in the term of reference or tender paper.
2. Financial part should contain the financial bid inclusive of equipment, accessories, all admissible turnkey works, warranty, guarantee, C.M.C., taxes etc.
3. Details with respect to terms and conditions & list of items and submission of such proposal can be obtained from "Term of Reference" i.e. tender document/paper & on RIMS website - www.rimsranchi.org
4. If required by the technical committee, all the tenderers have to organize practical demonstrations of the same model machine at their nearest installation site to the nominated technical team of RIMS, Ranchi on tenderer's own cost before finalization of technical evaluation report.
5. The undersigned reserves the right to accept or reject in part or as a whole any of the proposal received without assigning any reason thereof.
6. Any legal matter related to this tender shall be under jurisdiction of Hon'ble Jharkhand High Court, Ranchi.
7. Before participating the bid, the bidders may visit the site at RIMS, Ranchi and may have discussion with the concerned faculty H.O.Ds regarding their requirements & queries.
8. Price Bid of only those bidders will be considered/opened who will qualify the technical documents parts as well as technical specification parts.
9. For major equipment the bidders have to quote separate, sealed price for each & every equipment, so that price of only specific technically qualified items of the bidders may be opened.
10. No payment shall be made in advance, whatever circumstances may be.
11. The bidding prices will be valid at least for two years or the next tender which ever is earlier. If there will be government holiday on any last day of the above schedule, the tender process will continue on the just next working day.

Sd/-
Director
Rajendra Institute of Medical Sciences
Ranchi.