INVITATION FORQUOTATION ONLINE

HSCC/PUR/PALI/ Biochemistry/ Quot/02 **Dated: 6th Nov. 2017**

To

All Bidders

Subject: Invitation **on line** for Quotations for supply of Low Equipment for **Biochemistry** for Medical College, at Pali, Rajasthan.

Dear Sirs,

1. HSCC (India) Ltd. for and on behalf of Medical College, at Pali, Rajasthan. invites your **on line** most competitive quotation for the following goods of the respective departments quantity mentioned the **section I** and technical specification mentioned in the **section II.**
2. Quotation:
   - 2.1 The contract shall be for the full quantity as described above.
   - 2.2 Corrections, if any, shall be made by crossing out, initialling, dating and rewriting.
   - 2.3 The **on line** prices quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.
   - 2.4 The unit price/ rate of the item should be clearly indicated in the quotation. Rates/Prices quoted shall be including of forwarding, and insurance & transportation, warranty, but **excluding GST** up to the consignee **Medical College, at Pali, Rajasthan.**

3. Each bidder may quote one item or more than one item as per **section III (Price format) with equipment technical literature.**

4. Evaluation of Quotations:
   The Purchaser shall evaluate and compare the quotations determined to be substantially responsive i.e. which;
   - 4.1 are properly signed; and
   - 4.2 confirm to the terms and conditions, and specifications.
   - 4.3 final considerations of equipments shall be based on the quality of equipments during demonstration / inspection.
   - 4.4 The quotation will be evaluated and compared separately for each item.
   - 4.5 The Purchaser reserves the right to ask for a free demonstration/ sample approval of the quoted equipment at a pre determined place acceptable to the purchaser for technical acceptability as per the tender specifications, failing which bid may not be consider.

5. The Quotations would be evaluated item wise.

6. Award of contract:
   The Purchaser will award the contract to the bidder whose quotation has been determined to be substantially responsive and who has offered the lowest rate for the item subject to quality of the items during demonstration / inspection.
   - 6.1 Notwithstanding the above, the Purchaser reserves the right to accept or reject any quotations and cancel the bidding process and reject all quotations at any time prior to the issue of Purchase Order/contract, without assigning any reason.
   - 6.2 At the time of awarding the contract, the purchaser reserves the right to increase or decrease by up to twenty five (25) per cent, the quantity of goods and services mentioned in the schedule (s) in the "List of Requirements" (rounded of to next whole number) without any change in the unit price and other terms & conditions quoted by the tenderer.

7. Delivery period shall be within **10 days** from date of placement of order at Consignee i.e. **Medical College, at Pali, Rajasthan.**

8. Payment shall be made only in Indian Rupees as follows:

Satisfactory Acceptance and delivery - 100% of total cost

100% Payment on submission of following documents (Duly signed & stamped at your end):-

- Copy of Purchase order.
- Final acceptance certificate issued by Client/HSCC
- Invoice in favour of consignee/MEDICAL COLLEGE, AT PALI, RAJASTHAN through HSCC (I) Ltd
- Warranty Certificate in original.

9. All supplied items shall be under **one year warranty** from the date of successful acceptance by **MEDICAL COLLEGE, AT PALI, RAJASTHAN**.

10. You are requested to provide your lowest offer as follows:

Sr. No.	Item no	Name of items	Closing date & time for submission	Date and time of Opening of Techno
1	Dept. of Biochemistry	List attached	13 th Nov. 2017 at 14:00	13th Nov. 2017 at 14:30

NOTE: (Under any unforeseen circumstances if the due date for submission of Tender is declared as holiday then the tender shall be submitted & opened on the next working day at the scheduled time).

The quotations will be opened in HSCC office, NOIDA as mentioned above in the presence of bidders or their authorized agents as they may choose to attend

11. Information brochures/ Product catalogue, if any, must be accompanied with the quotation clearly indicating the model quoted for.

12. Sealed quotation to be submitted/ delivered at the address mentioned below:

On line submission: Quotation Form duly singed & filled and Technical compliance sheet with technical leaflets and Price Bid /Financial Bid

General Manager (Projects) HSCC
(India) Ltd.
E- 6 (A), Sector -1.NOIDA –201 301.

13. Quoted amount should be in Indian Rupees only and as per **section –III** price schedule.
14. For all items, the Technical Evaluation Committee may opt for Demonstration of the items. The Committee may also ask for Demonstration / Inspection before supply / delivery of the items for quality assurance.

Note: Please indicate the quotation reference no. (given at the top of page 1 of this letter) and Serial No of the Items on your offer.

The details of various medical equipments shall be also made available at www.hsccltd.co.in, and modification/amendments etc, if any, shall only be notified on website only.

We look forward to receiving your quotation and thank you for your interest in this project.

General Manager (Projects) on
behalf of Additional Director
Medical Education, Jaipur, Rajasthan

Section -I

LIST OF ITEMS & QUANTITIES

Sr. No.	Equipment	Quantity	Warranty from date of acceptance
1	Analytical balance: upto 200g/ 1g increment,	2	1 Year
2	Glucometer with strips (For POCT)	2	
3	Laboratory reagent refrigerators, Capacity > 200L	2	
4	Complete chromatographic unit for paper and TLC	2	
5	Bottle dispensers	25/10	
6	Variable & fixed volume microautopipettes	4 sets of each volume, both for fixed and variable pipette	
7	Digital Analytical Balance	1	
8	Balance micro	1	

SectionII

Technical Specification of Equipments

1.	Analytical balance: upto 200g/ 1g increment, qtt =2	Electronic Analytical Balance Should have transparent case LCD Display Readability 0.1mg Capacity 200- 220gm Should have internal calibration (automatic) Should have taring facility Linearity ± 0.2 mg Levelling bubble Minimum warm up time 5yrs warranty & 5 year CMC	2
2.	Glucometer with strips (For POCT)	Arterial, Venous and capillary whole blood specimen capability. Sampling volume should be less than 2.5µL. Hct Range should be 20% ~ 60%. Measuring range should be 20 ~ 600 mg/dL (1.1 ~ 33.3 mmol/L). Measuring unit should be mg/dL or mmol/L. Measuring time should be 10 Seconds. Memory capacity should be 180 blood glucose results. System Operating Temperature should be 10 to 40ºC. System Operating Humidity should be <85%. Meter Storage Temperature should be 0 to 50ºC. Power supply Two 1.50 Volt (AAA) batteries. Battery life should be minimum 1500 tests Sampling methodology should be electrochemical. Should have LCD display. Should have automatic shut off. Should be supplied along with QC and calibration kits. Should be supplied with 4 packets of test strips for each glucometer. Manufacturer Should have the ISO certification and the copy of the same should be enclosed along with the technical bid. Test Strip Storage Time 1.Should be able to store an unopened vial of test strips for 24 months under room temperature 2. Should be able to store an opened vial of test strips for 3 months under room temperature Warranty 5 Years for Glucometer & 2 Years for Test Strips	2

		Display Must be large and easy to read. The quoted model should have FDA and CE certification and copy of the same should be enclosed along with the technical bid.	
3.	Laboratory reagent refrigerators, Capacity > 200L	1.Storage Capacity: Should be at least 200 Liters capacity 2.Set temperature 4ºC with temperature range 2ºC to 6ºC and adjustable with setting accuracy of ±0.5ºC 3.Refrigeration: Non- CFC cooled refrigeration 4.Should have good insulation to maintain required temperature 5.Should have good metallic door 6. Microprocessor based temperature controller with integrated audiovisual temperature and power alarm function with digital monitoring display. 7. Safety features: Audio alarm for all the following parameters should be there: temperature fluctuation & power failure, set point alarm, low alarm point, Door opening audio and visual display alarm. 8. Safety thermostat to avoid negative temperatures. 9. Should have battery back up for temperature display and power alarm. 10. "Hold over time" in case of power failure should be at least 1.5 hours. 11. Should have castor wheels with locking facility 12. Original literature of equipment should be submitted. 13. European CE/ US-FDA certification specific for the product should be submitted. 14. Should be ISO 13485 approved product. 15. Should supply the relevant calibration	2

		certificate for the equipment from NABL accredited Lab. 16. User's list should be provided with satisfactory report for the last years from three Licensed Blood Banks with contact details. 17. Should supply the stabilizer if required along with the equipment free of cost. 18. Demonstration of performance of equipment is compulsory in nearby area failing to which will be disqualification. 19. Electrical: The equipment should be able to run on the existing electrical provision	
4.	Complete chromatographic unit for paper and TLC	Complete chromatographic unit for paper and TLC. Paper chromatographic module should have/be: Vapour-tight chamber. The chamber constructed preferably of glass, stainless steel, or porcelain. Provided with inlets for the addition of solvent or for releasing internal pressure, Designed to permit observation of the progress of the chromatographic run without being opened. Supporting rack as a support for the solvent troughs and antisiphoning rods: Constructed of a corrosion-resistant material about 5 cm shorter than the inside height of the chamber. Solvent troughs made of glass, designed to be longer than the width of the chromatographic sheets and to contain a volume of solvent greater than that required for one chromatographic run.	2

		Antisiphoning rods constructed of heavy glass A set of more than 100 quality chromatographic sheet at least 2.5 cm wide but not wider than the length of the trough to be provided TLC module should include: A set of Flat glass plates of uniform thickness throughout their areas provided in sizes 20 x 20 cm and 5 x 20 cm. A set of Aluminum plates. Aligning tray: An aligning tray or other suitable flat surface to align and hold plates during application of the adsorbent. The adsorbent may consist of finely divided adsorbent materials for chromatography A set of pretreated chromatographic plates. Spreader: A suitable spreading device that when moved over the glass plate applies a uniform layer of adsorbent of desired thickness over the entire surface of the plate. Storage rack: A rack of convenient size to hold the prepared plates during drying and transportation. Developing chamber: A glass chamber that can accommodate one or more plates and can be properly closed and sealed and fitted with a plate-support rack that can support the plates when the lid of the chamber is in place. UV Chamber: A UV viewing chamber with eye protection fitted with ultraviolet light source of short (around 254 nm) and long (around 360 nm) ultraviolet wavelengths suitable for	

		observations. Should be FDA , CE,UL or BIS approved product Manufacturer/Supplier should have ISO certification for quality standards. Comprehensive warranty for 2 years and 5 years AMC after warranty User/Technical/Maintenance manuals to be supplied in English. Certificate of calibration and inspection. List of Equipments available for providing calibration and routine Preventive Maintenance Support. as per manufacturer documentation in service/technical manual. List of important spare parts and accessories with their part number and costing. Log book with instruction for daily , weekly, monthly and quarterly maintenance checklist.	
5.	Fixed volume pipettes -- 1ml,0.5ml,0.2ml,0.1ml and 0.02ml	1.Atleast accuracy of 0.5%, CV 0.2% 2.Fully autoclavable 3. With calibration and accuracy certificate 4.ISO Certified 5.Easy to handle, grip and dispense and aspirate fluids 6. Should not cause repeated stress injury to the user.	5 (of each volume)
6.	Densitometer with computer	1. GLP compliant fully automated microprocessor based computer controlled documentation and imaging system for gels and western blots 2. Scientific Grade CCD Camera should have: a. Zero Defect with antireflective coating b. At least 4 Mega pixels and 16-Bit True Optical resolution c. Fast refresh rate for live	1

		imaging d. Exposure control of wide range upto 180 minutes by 1 millisecond increment e. Ability to acquire images in 4 unique resolution/sensitivity modes for maximized flexibility f. Flat field calibration for uniformity of light acquisition across the sensor g. Regulated cooling to at-least -20ºC below ambient 3. Dark room unit should be: a. Chemiluminiscent imaging ready with touch panel as well as software controls for turning off/on all light sources b. Light source should automatically switch off after image acquisition/ UV-autopower cut off on opening hatch 4. Motorized Filter wheel with Minimum of 4-Positions 5. Transilluminator should have a. Pull-Out Tray for easy placement of gels and membranes: Dual Broad Band UV at 302 & 365 nm, Dual intensity, Imaging area of atleast 21 x 26 cm b. Epi white, epi blue and epi UV light c. Current Noise correction for increased image acquisition speed and reduced background noise 6. Software application requisites: a. Data acquisition, enhancement, editing, annotation, archiving & analysis including features like 1-D multilane densitometry, 2-D spot densitometry, Mass calculation b. Capacity to compare lanes/bands across multiple gels (database), performing	

		phylogenetic analysis of banding pattern data c. At-least two stand alone copies of analysis software should be provided 7. System should have: a. Facility to operate without Computer and with computer b. At-least 2 USB slots 8. Branded stabilizer and online UPS 2KVA capable of running the machine with at-least one hour backup at full capacity 9. Branded computer (core 2 duo processor with 4GB Ram, 350 GB HDD, CD/DVD writer , UPS ports (4), 17" TFT screen with original Windows XP professional, laser printer and antivirus 10. Power supply 220-240 V, 50 HZ 11. The instrument should have all the fixtures, cables/accessories required to run the equipment and use all features.	
7.	Bottle dispensers	Should be autoclavable with smooth effortless plunger movement With bubble free dispensing 0.25 to 2.5 mL : 5 no; 0.5 to 5 mL : 5 no; 1 to 10 mL : 5 no; 5 to 60 mL : 5 no; 10 to 100 mL : 3 no; 50 to 400 mL : 2 no	25/10
8.	Variable & fixed volume microautopipettes	Micropipettes constructed from anti corrosive material tubing. Required in various sizes and compatible with all brands of tips. Fixed volume sizes needed are 10 ul, 20 ul, 50ul, 100ul, 200 ul, 1000ul Micro pipettes required in following sizes:1-10 ul, 2-20 ul, 10-100 ul, 10-200 ul,100-1000 ul, 0.1-2.5ul; 2.0-20ul; 20-200ul; 200-1000ul; 1000-5000ul. Adjustable for variable volume. Offer high accuracy and precision variations in volume acceptable as permissible in calibration requirements.	4 sets of each volume, both for fixed and variable pipette

		With tip ejector mechanism. Made of corrosion proof material. Should be autoclavable. Shall meet IEC-60601-1-2 :200(Or Equivalent BIS) General Requirements of Safety for Electromagnetic compatibility. Should be capable of being stored and operable at ambient temperature. Should be compliant to ISO 13485: Quality systems - Medical devices - Particular requirements for the application of ISO 9001applicable to manufacturers and service providers that perform their own design activities. User/Technical/Maintenance manuals to be supplied in English. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out. Certificate of Calibration conforming to ISO 8655 and certificate of inspection from the factory List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual. List of important spare parts and accessories with their part number and cost	
9.	Digital Analytical Balance	Electronic Balance (High End Analytical) for precision weighing of Lab samples. Microprocessor based single pan Analytical Balance with High accuracy & precision is required. Reading of the weight by digital display. Electronic top loading balances with	1

		transparent case The balance should have functions of piece counting, percent weighing, formulation, dynamic weighing with automatic and manual start and' provision for data interface Weigh accurately up to 4th decimal place Auto self-calibration facility Auto zero Setting One touch calibration Weighing capacity upto 200 gms. Repeatability and resolution: 0.1 mg Linearity : + 0.2mg Stabilization time < 5 second Adjustment weight (Int. wt.) 200g Adjustment weight (Ex. Wt.) : 500 mg,1 gm,10gm, 50gm,100 gm,200gm Balance should have the following features:- LCD 7 Segment Backlit display. Balance to be calibrated with external wt. within a frequently use partial range. Vibration adapter for damps influence due to vibration & minor shocks. Chemical resistance housing Shall meet IEC-60601-1-2 :2001(Or Equivalent BIS) General Requirements of Safety for Electromagnetic Compatibility or should comply with 89/366/EEC; EMC-directive. The unit shall be capable of being stored continuously in ambient temperature of 0 -50 deg C and relative humidity of 15-90% Power input to be 220-240VAC, 50Hz fitted	

		with Indian plug UPS of suitable rating with voltage regulation and spike protection for 60 minutes back up. Resettable over-current breaker shall be fitted for protection Should comply with ISO/GLP with auto validation with ink jet printer Should be FDA , CE,UL or BIS approved product Manufacturer/Supplier should have ISO certification for quality standards. User/Technical/Maintenance manuals to be supplied in English. Certificate of calibration and inspection. List of Equipments available for providing calibration and routine maintenance support as per manufacturer documentation in service / technical manual. List of important spare parts and accessories with their part number and costing. Log book with instructions for daily, weekly, monthly and quarterly maintenance checklist. The job description of the hospital technician and company service engineer should be clearly spelt out.	
10.	Balance micro	Electronic Micro Balance with antivibration table and Calibration weight1. Capacity: 3.1 g2. Readability: 1 µg3. Repeatability: 3 µg4. Linearity: 4/6µg5. Stabilization Time: 5 Sec6. Weighing Pan Size: 30mm Diameter/ 40 x 40 mm 7. Tare Range: 3.1 g8. Typical Stabilization Time: ≤5s9. Typical measurement time:≤8s10. TFT/LCD display (Removable) easy to access with keys with alphanumeric keypad11. Adjustment procedure and applications directly on display 12. Monolithic weight cell OR Equivalent 13. USB Inter face with the weighing module, RS -232 Interface & 25 pininterface14. Mass Unit Conversion, ISO	1

		Cal/Profact or Equivalent- Automatic, Net total formulation, weighing in percent, counting15. The Advanced Pharma Compliance with general standards, such as GLP, USP etc.16. Audit Trail function logs important changes to the equipment.17. Errors to be quickly traced.18. Alert messages and reminder functions with user- definable action hierarchy for leveling, minimum sample weight, calibration andadjustment.19. Should have a facility to prevent build up of static electricity.20. Calibration weight: 1mg to 500mg OIML E2 Class standard weight set for microbalance and analytical balance 21. Antivibration table: 4 feet x 2 feet x 85 cm with drawer attached, rested on rubber mat with adjustable legs. 22. Should have a USB Printer	

Section-III

PriceBid

Sr no.	Name of item	Qty	Unit cost (Rs.)	GST/ Sales Tax /service tax		Unit cost included GST/ Sales Tax /service tax (Rs.)	Total cost included GST/ Sales Tax /service tax (Rs.)
				%	Amount (Rs.)		
		a	**b**		**c**	D= b+c	**D X a**
1							
2							

Note:

1. Total cost of all items shall be included of all packing & forwarding, freight charges & insurance from ware house to consignee at **Medical College Pali,** local tax, entry tax, duties, **one year warranty,** VAT/ taxes /GST and other levies payable by the supplier under the contract.
2. Bidder shall fill all cost i.e. a.b,c... failing which it will presumed that the same is inclusive in the total price and nothing will be paid on this account extra.
3. Bidder shall mention present rate of GST, failing which it will be presumed that the same is inclusive in the total price and nothing will be paid on this account extra.
4. If there is a discrepancy between the unit price and total price THE UNIT PRICE shall prevail

FinalAcceptance Certificate Handing over]

(To be given by consignee's authorized representative)

The following store (s) has/have been installed & commissioned in good working satisfactory condition:

1. Contract No. & date :
2. Supplier's Name :
3. Consignee's Name & Address :
4. Name of the item supplied :
5. Date of Handed over to consignee :
6. Name consignee /HSCC Representative :
7. Signature of consignee/HSCC Representative :
8. Seal of the Consignee :