



केन्द्रीय आयुर्वेद अनुसंधान संस्थान
CENTRAL AYURVEDA RESEARCH INSTITUTE
(Central Council for Research in Ayurvedic Sciences, Ministry of AYUSH, Govt. of India)
12, Uttarahalli Manavarthe Kaval, Uttarahalli (Hobli), Bangalore South (Tq.)
Kanakapura Main Road, Talaghattapura post, Bengaluru-560 109
Ph. No. 080-29535034 (O), 29635035 (Hosp), E-mail: nadri-bengaluru@gov.in, nadri.bengaluru1@gmail.com

Sub: Tender for supply of Laboratory Equipments

Sealed quotations are invited from authorized vendors of Original Equipment Manufacturers (OEMs) for supply of Laboratory Equipments as per the specifications given at Annexure – II.

2. General information about the tender.

a)	Tender Document/file No	6-60/(2016)2021/RARIMD/BNG/CoE/ 218 Date: 07-06-2021
b)	Last date & time for receipt of Tender	28- 06- 2021 at 2 PM
c)	Date of opening of Technical Bid	28- 06- 2021 at 3 PM
d)	Date of opening of the Financial Bid	28- 06-2021 at 4 PM
e)	Time allowed for supply	Before 15-07-2021
f)	Cost of Tender	Rs.1000.00
g)	EMD	Rs.72,200.00
h)	Place of opening of Tenders	Meeting room, RARIMD, No.12, Utharahalli, Manavarthe kaval, Bangalore-560 109.

3. Tender shall be submitted clearly super scribing on the sealed envelope “Bid for laboratory equipments”. The sealed Tenders may be sent by speed/registered post or delivered by hand to reach the above address (Sl.No.3) by due date and time to the Assistant Director (Ay.) In-charge, CARI, No.12, Utharahalli, Manavarthe kaval, Kanakapura Road, Bangalore-560 109.
4. The tender document can be down loaded from CCRAS website www.ccras.nic.in. or can be collected from this office during the working days from 10.00 a.m. to 04 p.m.
5. Earnest Money Deposit: The bidders shall furnish EMD of Rs. 72,200.00 and Tender cost Rs. 1,000.00 in favour of the Assistant Director, CARI, Bangalore – 560 109 Current A/c. No. 40036277009 (IFSC code: SBIN0040653) Branch: Raghuvana halli, Bangalore, through DD/EGFT.
6. Firms participating in the Tender should submit two bids i.e. Technical and Financial bid.
7. Technical Bid (Envelop A) and financial Bid (Envelop B) should be kept separately in the sealed envelopes and both these (A&B) should be kept in one (01) envelop super scribing “ Bid for laboratory equipments”. Bid should contain all Technical details of equipments to be supplied along with commercial Terms and Conditions. No overwriting or correction in the bid is permitted.
8. Envelop should contain the following documents:

- Covering letter of the firm, checklist properly filled in, PAN/TIN supporting documents, Firm registration certificate, authorised dealership certificate from manufacturer/company valid for the period of agreement.
- An undertaking clearly mentioning the following shall be furnished.
 - a) All the terms and conditions mentioned in the tender are acceptable to the bidder.
 - b) The hardware and software to be supplied by the vendor would be as per the specifications prescribed by this office vide Annexure-I.
 - c) Supply and installation of all equipments would be done in this office only within two weeks from the date of receipt of supply order by the selected vendor.
 - d) On-site comprehensive warranty will be provided by the vendor/OEM for three years.
- 9. The financial bid(Envelop B) for supply of laboratory equipments submitted in format at Annexure – II should be stamped and signed on each page. No column should be left blank. It should be struck off if no rate has been filled in for any item.Envelop B will be opened only if the Purchase committee is satisfied with technical bid.
- 10. Terms for payment
 - a) On completion of Supply of the items at CARI, No.12, Uttarahalli, ManavartheKaval, Kanakapura Road, Bangalore – 560109 Purchase Committee will inspect supply of laboratory equipments in good condition before release of payment to the Vendor.
 - b) All payment will be released based on the rate quoted in the bid and invoices submitted to CARI office by the Vendor.
- 11. General Terms and conditions
 - i. EMD will be returned to unsuccessful bidders after finalization of Tender. Successful Tenderer has to deposit Performance security @ 5% to 10% of the final bill amount. It will be returned to the supplier after completion of warranty period and 02 months. Supplier's EMD will be returned after receiving the Performance Security.
 - ii. Bid should be submitted either by original manufacturer or authorized dealers appointed by such manufacturers in India, who have sale service experience in supplying such instruments for more than 5 years.
 - iii. The rate should be including Free on Board (FOB) , and should include transportation and commissioning of the instruments (s) to CARI Bengaluru -560 109.
 - iv. The supplier should mentioned warranty/guarantee period for the equipment.
 - v. The supplier should provide spares for next 5 years of operation of equipment.
 - vi. The supplier should also quote for AMC after expiry of warranty/guarantee period.
 - vii. Each bidder should submit the specification as per Annexure – II for the items.
 - viii. The supplier should not handover execution of order to any other/sister firm(s); it will amount to cancellation or order.
 - ix. In case the supplier being unable to supply within stipulated time or insolvent the loss incurred to the Government will be borne by the supplier.
 - x. The Assistant Director (Ay.) Incharge has every right to reject/accept any bid without assigning any reason.
 - xi. The quality/condition should be good and as per the specifications as mentioned in technical specification, substandard instruments/items and non-conforming of specification will not be accepted the same will be replaced by the supplier at their own cost
 - xii. The Tenders will be opened on 28-06- 2021 at 3 PM in the presence of purchase committee of the Institute. The Tenderers or their representative may attend the tender opening in the Meeting Room (Administrative Building) of this Institute.

Assistant Director (Ay), In-charge

Technical bid for purchase of Laboratory Equipments

To,

(Name, Address landline and Mobile Nos. of the bidding firm/agency firm/ Agency)

Sl.No.	Documents	Write(Yes) or (No)
01	Terms and conditions as mentioned in the Tender form have been read and fully accepted	
02	Tender document downloaded from CCRAS Website signed and stamped	
05	Bank account details (enclosed)	
06	Authorised dealership Certificate from manufacturer/Company valid for desired period have been attached.	
07	Conditions accepted for supply of items as per approved rates.	
08	Rates quoted are for CARI, Bangalore - 560 109.	
09	SGST & CGST as applicable shown separately.	
10	TIN/PAN Number mentioned and supporting documents have been attached	
11	Certificate of Registration of firm have been attached	
12	IT return and sales Tax clearance certificate of last 03 years have been attached.	

Place:

Date:

Sign and Seal of Tenderer

Technical specifications:

One each of the following items

Sl. No.	Description
1)	<p>FULLY AUTOMATED RANDOM ACCESS CLINICAL CHEMISTRY ANALYZER (BIOCHEMISTRY)</p> <ul style="list-style-type: none"> i. Dimension - Compact bench top analyzer - 810 (W) x 800 (D) x 600 (H) mm ii. System function - Fully automated, discrete, random access with STAT sample priority. iii. Light Source: Tungsten Halogen lamp iv. Detector: Silicon photo-diode v. Throughput: 200 photometric tests/hour & 400 tests/hour with ISE (Optional) vi. Analytical method: 1- Point, 2 – Point, Rate – A, Rate – B, Direct potentiometry vii. Barcode reader – For reagents and samples viii. Dilution vessel: Permanent hard glass cuvettes – 45 numbers ix. On board laundry: 6 stage cleaning, 2 stage drying with Cuvette validation step x. Photometer – Static photometer xi. Optics – 8 filters (340, 405, 505, 546, 578, 600, 660, 700 nm) xii. Auto dilution and rerun feature xiii. Real time monitoring of reaction curves xiv. Unlimited data storage capacity xv. System interface: RS-232, Serial port, USB. PC – Printer: USB (2 ports) xvi. Windows based userfriendly software xvii. Programmable Parameters: Default system pack parameters + upto 10 user defined parameters xviii. Quality control: QC plot data with QC rules, Provision for lab mean. xix. Multiple calculation modes such as linear, non-linear & multipoint xx. Assay: Glucose, Cholesterol, Triglycerides, Albumin, Total Protein, Uric Acid, Calcium, Magnesium, Bilirubin Total, Bilirubin Direct, SGOT, SGPT, GGT, LDH, CK, CK MB, ALP, ACP, Amylase, Lipase, Urea, Creatinine, RA, CRP, ASO, Direct HDL, Direct LDL, Apo A, ApoB, Lp (a), HbA1c, Iron, Ferritin, Phosphorus, Microprotein, Ammonia, Bicarbonates xxi. Reagent Positions: 50 cooled reagent positions xxii. Sample Type: Whole blood, Serum, Plasma, Urine, CSF other xxiii. Reading Volume: 180 µl xxiv. Sample Volume: 2-70 µl (Adjustable in 0.1 µl) xxv. Reagent Volume: 10-300 µl (Adjustable in 1 µl) xxvi. Calibration Type: Linear, Non-Linear, Multipoint xxvii. Dimensions: 810 (W) x 800 (D) x 600 (H) mm xxviii. Weight: Approximately 120 Kg
2)	<p>FULLY AUTOMATED 5 PART DIFFERENTIAL HEMATOLOGY ANALYZER</p> <p>Operation mode: Fully automatic Differential type: 5-Part Number of chambers: 2 Throughput: 60 samples / hr Mode Type: Whole blood, Predilute, Capillary Asay - 34 Parameters CBC: WBC, RBC, Hb, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PCT,</p>

	<p>PDW-CV, PDW-SD, P-LCR, P-LCC. DIFF: Neutrophils % & #, Lymphocytes % & #, Monocytes % & #, Eosinophils % & #, Basophils % & # Research parameters displayed: NRBC, LIC (Large immature cells) and ALY (atypical lymphocytes) Principle of measurement RBC/PLT: Electrical Impedance WBC + DIFF: Tri-angle Laser Flowcytometry Hb: Cyanide-Free Colorimetry MCV: Measured HCT: Calculated Large LCD touchscreen of 10.4 inch Histograms: 3 (WBC/RBC/PLT) Scattergram: 3 (2D), 1 (WBC/Baso) QR Code Reader For reading sample bar codes & QC values Sample Volume: Whole blood: 15 µL Pre-diluted: 20 µL Capillary: 20 µL CBC Mode: 11 µL Linearity Range WBC: 0 - 300 (x 10³ /µL) RBC: 0.00 - 8.50 (x 10⁶ /µL) Hb: 0 - 25.0 (g/dL) HCT: 0 - 67 (%) PLT: 0 - 3000 (x 10³ /µL) Data Storage 100,000 Results with Graphs 100 calibrator results Reagent log storage for 6 months Quality Control 500 files with L-J graph X-Bar Analysis Dimension (mm) 364x498x431 Weight (Kg) 26.5 Reagents Interfaces: 4 USB + 1 LAN port Operating temperature: 15-40°C Humidity: 30-90% Power Requirement A.C.100-240V with built-in voltage stabiliser 50/60Hz 200VA Assured quality with NABL compliance.</p>
3)	<p>FULLY AUTOMATED HbA1c ANALYSER Operation mode: Fully automatic Technology - CLE technology using High Performance Liquid Chromatography (HPLC) method. Sampler Handler - 10 Position Rack Loader Positive identification by internal barcode reader. Cap piercing: optional* Instrument Rack Capacity - 1 Rack -10 Samples per run Sample type-Whole blood on EDTA K3 or K2 anticoagulant Haemolysate from EDTA whole blood samples Analysis time: Throughput approximately 3.5 minutes between samples Interferences Complete removal (not separation) of labile up to 10% Tube Types Accepted - 13 x 75 mm, 13 x 100 mm, Microcapillary Tubes-sample vials, 1.5 ml Sample Vials Sampling System Sample Aspiration Probe coupled with a high precision, maintenance free 1000µl</p>

	<p>syringe Sample preparation required: No Simple reagent and column replacement. Automated maintenance. Sample Aspiration Volume 14.3µl in Whole blood mode, 670µl in lysate Hardware Pump 2 high pressure syringe pumps Detector type UV-Vis Reagent traceability RFID Calibrators and controls IFCC traceable. On board QC functions with Levey-Jennings and statistical calculations. Data storage – Unlimited data storage of calibrations, QC data and chromatograms. Printer Built-in thermal printer with possibility to connect to external printer Display Resistive color touch screen Electrical Power Input Requirements 90-264V AC. Power Consumption 150W Data connections -Bidirectional Serial Port (RS 232) or Ethernet External Devices 5 USB ports Instrument Dimensions (mm) 369 (W) x 565 (D) x 444 (H) Instrument Weight 23 Kg Operating Environment Temperature 17-32°C, Humidity 10-90%</p>
4)	<p>FULLY AUTOMATED URINE ANALYZER Operation mode: Fully automated processing Analytical modes: Chemistry only, Sediment only and hybrid. Capacity – 125 – 160 tests per hour. Memory > 500.000 results (incl. controls) SAMPLE VOLUME Primary tube 2 mL Micro tube 0.9 mL SAMPLE LOADING CAPACITY 120 samples (10 tubes x 12 racks) BARCODES - Available INTERFACE- ASTM (RS323 + LAN), USB WORKING CONDITIONS Temperature 16 – 30 °C Humidity 0 – 90 % RH Bench top CHEMISTRY ANALYSIS METHOD Reflectance photometry PARAMETERS – 10 chemistry SG, LEU, NIT, pH, PRO, GLU, KET, UBG, BIL, BLD, ASC, Color, Clarity UNITS SI, conventional, arbitrary SEDIMENT ANALYSIS METHOD Digital microscopy PARAMETERS – 18 automated sediment categories- WBC, WBCC, RBC, SQEP, NSE, HYA, CAST, CaOX, TRIP, UA, BACC, BACR, YST, SPRM, MUC, UNCC UNITS ; N/µL; N/x µL; Microscopy units, Total counts Automatic programmed maintenance Simple user interface LIS connectivity Reusable cuvettes</p>
5)	<p>SEMI AUTOMATED URINE ANALYZER System: Semi-automated Urine strip analyzer Type: Reflectance photometer Measuring System: Wavelengths – 470, 540, 650 nm Memory: 400 results Throughput: 60 tests/hr in Normal Mode & 240 testes/hr in Smart mode User interface: Color TFT LCD display Printer: Built-in Thermal Printer Certificates: CE Physical Dimensions: 230 X 127 x 110 mm Weight: 0.8 Kg Test Strips: DekaPHAN Laura & MicroalbuPHAN Laura Parameters: Specific Gravity, Leucocytes, Nitrite, pH, Protein, Glucose, Ketone, Urobilinogen, Bilirubin, Blood & Microalbumin, Creatinine</p>

	<p>Optical QC: Grey QC strip System Interface: Communication via RS232 & USB port Host Protocol: Uni-directional Sample Identification: Sample ID via keyboard entry, barcode reader Power source: AC 90-230V/50-60 Hz Power consumption: 20 W max./1 W standby</p>
6)	<p>FULLY AUTOMATED ELECTROLYTE ANALYZER Operation mode : Fully automated, microprocessor-controlled electrolyte system that uses ISE (Ion Selective Electrode) technology to make electrolyte measurements. Sample Type: Whole Blood, Serum, Plasma or Urine Test : Sodium, Potassium, Chloride Sample Size: 100 µL Whole Blood, Serum, Plasma, 60 µL capillary or 400 µL diluted (1:10) Urine Method: Direct measurement by Ion Selective Electrode (ISE) Results are displayed on LCD screen as well as printouts Capillary and syringe sampling facility Auto probe wiping facility Rate of analysis 55 secs per sample Data Storage:</p> <ul style="list-style-type: none"> • Patient Results: up to 128 samples • QC Results: up to 20 each Normal, Low, and High <p>Modular plug in reagent pack system Calibration: Automatic or On-Demand Built in thermal printer and a RS 232 port for interfacing Output:</p> <ul style="list-style-type: none"> • 128 x 64 pixel graphic display • 24 column thermal printer • Serial port (RS-232), EasySampler port <p>Ambient Conditions: 15–32oC (60–90oF), <85% humidity Power: 100-240 VAC 50/60 Hz, 0.8A Size & Weight: 9.5”W x 16.5”H x 8.0”D (24 cm W x 42 cm H x 20 cm D) 13 lbs. (5.8 kg)</p>
7)	<p>SEMI AUTOMATED COAGULOMETER Operation mode: Semi automated 4 Channel semi-automated coagulometer which performs measurements of all clotting assays as well as D-Dimer. Operating principles: 4 measuring channel 4 for Clotting assays by light scattering at 640nm 2 for Immuno-Turbidimetric assays at 800nm 2 for Chromogenic assays by colorimetry at 405nm 20 reaction cups incubation positions at 37°C +/- 0.2°C 12 reagent positions, 7 positions for 37°C +/- 0.2°C incubated reagents, including 1 for vial with programmable stirring Parameters: PT, APTT, TT, Fibrinogen, Coag. Factors, D-Dimer, ATIII, Protein C, Protein S, Lupus Anticoagulans Automatic start with standard pipettes 7 inch Resistive colour touch-screen Built-in thermal printer RFID for security of use Connection to LIS Connection to a bar code reader or an external keyboard Monitoring of expirations of reagent, calibrators and controls Quality Control program with automatic Levey Jennings graph monitors system performance Universal power supply 100-250V~47-63Hz Dimensions: 300 x 290 x 90 mm, Weight: 3 kg 2 USB ports (2 x type A, 1 x type B)</p>
8)	<p>PHLEBOTOMY CHAIR Specifications Overall Dimensions (LXBXH) - 760x770x1230mm Weight – 25 kgs</p>

	<p>Load caring capacity – 150 kg maximum Ergonomically designed, allowing patient’s correct posture during phlebotomy. Designed specifically for blood sample collection, the upholstered arms should have a wide support surface with angular & vertical adjustment. Extremely strong & sturdy, equipped to accommodate high load capacity up to 150 kg. Curved backrest to support spinal curvature for comfortable seating Auto adjustable & non slippery foot rest Broad sitting space, accommodates obese patient Broad, firm and comfortable hand rest Vertical & horizontally adjustable hand rest for right phlebotomy position Comfortable soft and adjustable head rest Stain-resistant & washable upholstery Interwoven stitching to reduce dust accumulation Easily cleanable smooth edges</p>
9)	<p>BLOOD TUBE MIXER Specifications Motor type - BLDC motor Motion - Rocking & Rolling Max. Loading capacity - 2 Kg Number of tubes - 15 x 7ml Roller size - 30 x 327 mm Speed range - 10 to 100 RPM Timer range - 1 to 99 mins Operation type - Continuous & timed operation Tilt angle - +3° Electrical - 220-240V, 50 Hz, Single Phase Suitable for mixing blood sample and viscous substance Brushless DC motor for quiet operation and maintenance free long life Removable rollers for proper cleaning Adjustable roller rod spacing to hold different diameter tubes Error indication for overloading of samples</p>

Note: for any specific technical query you may contact Ph. 89718 59797 (only during office hours and working days)

Financial bid:

Sl.No.	Description	Make & Model No	Qty.	Rate including taxes
1)	Fully automated random access clinical chemistry analyzer (biochemistry)		01	
2)	Fully automated 5 part differential hematology analyzer		01	
3)	Fully automated HbA1c analyser		01	
4)	Fully automated urine analyzer		01	
5)	Semi automated urine analyzer		01	
6)	Fully automated electrolyte analyzer		01	
7)	Semi automated coagulometer		01	
8)	Phlebotomy chair		01	
9)	Blood tube mixer		01	

Manufacturer’s Authorization Form (MAF)

No.....

Dated:

To

The Assistant Director (Ay.), In-charge,
CARI, No.12, Uttarahalli, Manavarthe kaval,
Kanakapura Road, Bangalore -560 109.

We.....who are established
and reputable Manufacturers of.....having offices
at.....and.....
.....do hereby authorize
M/s.....(Name and address of
the Supplier/Dealer/channel partner/representative to offer their quotation and conclude the
contract with you against the above invitation for tender offer.

We hereby extend our full guarantee and warranty as per the terms and conditions of the tender
and the contract for their items offered against the invitation for tender by the above firm.

Yours faithfully,

(Name) for and on behalf of M/s.....
(Name of the Manufactures)

Note: This letter of authority should be on the letterhead of the Manufacturing concern and
should be signed by a competent person of the manufactures.

AGREEMENT BOND (Specimen)

(Agreement bond will be filled by the Bidder on Rs.....(.....))

non judicial stamp paper by the firm whose rates are approved by the Institute).

I/we hereby tender for the supply of

Items mentioned under list to the purchase of

as per rates and terms & conditions approved stipulated in the annexure to this memorandum.

If this tender be accepted I/we hereby agree to abide and fulfil all the terms and conditions as per provision of contract annexure as applicable or in case of providing default by the authority of CARI thereof otherwise agree forfeit and pay to The Assistant Director-in-charge, CARI, Bangalore. The sum ofonly, deposited as earnest money at the time of submission of Tender in the form of demand draft/pay order no.....dated.....drawn on

(Name of the bank), the full value of which is to be absolutely forfeited to the said Assistant, Director-in-charge or his successor in office without prejudice to any other right or remedies in case I/we fail to undertake the supply of commodities specified in the annexure, or fail to abide with the said terms & conditions of the contract.

Dated.....the day of.....

Witness.....Signature of contract.....

Address.....

.....

Occupation.....

The above tender is hereby accepted by me on behalf of CARI, Bangalore-560 109.

Assistant Director (Ay), in-charge