GOVERNMENT OF ASSAM
OFFICE OF THE PRINCIPAL-CUM-CHIEF SUPERINTENDENT
DIPHU MEDICAL COLLEGE HOSPITAL

(Under Society for Medical Education, Diphu)
Tele No:-0361-299916, e-mail : principaldiphu@gmail.com

No. SMED/DMCH/ICMR/123/2022/2789 **Date : 02/09/2023**

NOTICE INVITATION FOR TENDER

Sealed Tenders (Two Bid system comprising of Technical Bid and Financial Bid) affixing court fee of Rs. 8.25 (Rupees eight & twenty five paisa) only are invited from the intending suppliers/manufacturer/firm for Supply of laboratory equipments in Biochemistry Department under ICMR project at Diphu Medical College & Hospital, Diphu. The bidders are requested to submit the tender in separate sheet with seal and signature. The tender documents along with the specification may be downloaded from the office website of DMC&H (**www.dmcassam.in**) and deposit the payment of Rs. 2000/- as tender fee (non-refundable) and EMD of Rs. 20000/-(refundable) in the form of demand draft in favour of Principal-cum-Chief Superintendent, Diphu Medical College & Hospital, Diphu on or before 27/09/2023 along with the tender documents submit before 1.00 P.M. The tender will be opened on same date at 2.30 P.M. in the presence of tenderer or their authorized representatives.

02/09/23

Principal-cum-Chief Superintendent
Diphu Medical College & Hospital, Diphu, Assam

No. SMED/DMCH/ICMR/123/2022/2790-97 **Date : 02/09/2023**

Copy to:-

1. The Director of Medical Education, Assam, Sixmile, Khanapara, Guwahati-22.
2. The DIPR, Assam. He is requested to publish this tender notice at least in the two Assamese and one English leading newspaper of Assam.
3. The Superintendent, DMC&H, Diphu for information and necessary action.
4. The Deputy Superintendent for information and necessary action.
5. The Financial Advisor, DMCH
6. The Principal Investigator, ICMR DMCH, Diphu/RMRC NE region, Dibrugarh.
7. The co-Principal Investigator, ICMR DMCH, Diphu/RMRC NE region, Dibrugarh.
8. Office Copy.

//

Principal-cum-Chief Superintendent
Diphu Medical College & Hospital, Diphu, Assam

TENDER DOCUMENT

NAME OF WORK: **SUPPLY OF LABORATORY EQUIPMENTS IN BIOCHEMISTRY DEPARTMENT UNDER ICMR PROJECT AT DIPHU MEDICAL COLLEGE & HOSPITAL, DIPHU PIN NO-782460, ASSAM**

TENDER NO.: SMED/DMCH/ICMR/123/2022/2789 **Dated:-02/09/2023**

Date of issue	02/09/2023
Date of Submission of the tender	06/09/2023 to 27/09/2023 till 1.00 PM
Date & Time of Opening of Technical Bid	2.30 PM of 27/09/2023
Date & Time of Opening of Financial Bid	Shall be communicated only to the Technical qualified bidders subsequently

02/09/22

(SEAL & SIGN OF THE ISSUING AUTHORITY)

ANNEXURE - I

Documents to be submitted:

1. **Dealership/Authorization certificate from manufacturer.**
2. Performance statement/Experience Certificate in the field of similar work/supply (previously supplied in Govt. institution/Department) including copies of supply order from the competent authority.
3. I.T. Clearance Certificate/I.T. Return of last three assessment year and PAN card. (photo copy duly attested).
4. GST Registration Certificate and up to date GST Clearance Certificate (photocopy duly attested).
5. Trade License from competent authority. (Photo copy duly attested).
6. A notarized undertaking in stamp paper of Rs. 100.00 in original to the effect that the company/firm/distributor has not been blacklisted.
7. Financial Statement of last 3 Years from C.A is to be closed.
8. Financial sound Certificate from banker is to be enclosed.
9. Affidavit in stamp paper of Rs 100 in support of tender is to be enclosed in original (duly signed by the Notary public).
10. Original Document is to be shown during opening of technical bid for scrutiny.
11. The bidder shall certify that the rates quoted are the lowest ones for any institution (Govt. or Private) in the state.

Sd/-
Principal cum Chief Superintendent
Diphu Medical College & Hospital Diphu

ANNEXURE - II

Terms and Condition:

1. Technical and Financial bids in separate envelope are to be submitted together in sealed envelope clearly indicating the Tender Ref. No on the envelope and addressed to the Principal, DMC&H, Diphu.
2. The rates against each items of the enclosed list should be quoted in figures and words and that shall be inclusive of all taxes, etc must be submitted in Financial bid.
3. The cover containing the tender should be super scribed as the "**TENDER FOR SUPPLY OF LABORATORY EQUIPMENTS IN BIOCHEMISTRY DEPT. UNDER ICMR PROJECT AT DIPHU MEDICAL COLLEGE & HOSPITAL, DIPHU**" in block letters.
4. Incomplete and defective tender shall not be accepted.
5. Tender Fee of Rs. 2000/-(Two thousand) only and EMD of Rs. 20,000/- (Twenty thousand) only in the form of FDR, Demand Draft of schedule Bank valid for one year pledged to the "Principal cum Chief Superintendent, Diphu Medical College & Hospital, Diphu" to be submitted. Any bid from the bidder who fails to furnish Tender fees and EMD will be summarily rejected as the purchaser nonresponsive.
6. The authorized suppliers will have to supply the same percent of materials as specified in the supply order. In case of any discrepancy noticed regarding quality/quantity of the materials, the tenderers' will have to bear the losses for such supply and rejected materials is to be lifted by tender/supplier within 7 days at his own cost.
7. The work/supply order will be placed as and when requirement arises and payment will made subject to the availability of fund after observing all formalities. Any claim for advance payment will not be entertained. No interest will be paid for late payment (if any).
8. In the event of failure to supply the required materials as ordered in stipulated period, the order will be automatically cancelled and will invite forfeiture of the earnest money.
9. The rates shall be valid for one year from the date of acceptance of the tender.
10. Items have to be supplied within 10 (ten) days from the date of receipt of supply order.
11. There should be provision for supply immediately in emergency basis as and when necessary.
12. Samples to be submitted during technical evaluation. Technically qualified bids will be taken up for financial bide valuation.
13. Items supplied should be as per specifications and samples submitted.
14. In case of holiday next working date and time will be the last submission date & time of tender.
15. Canvassing in any form will make the tender liable to rejection.
16. Price escalation will not be allowed in any case.
17. The tender should be written neat and clean without any cutting/overwriting/erasing.
18. The Tender documents should be page marked with signature and seal on each page.
19. The undersigned reserve the right to accept or reject any or all tender or part

thereof without assigning any reason thereof and under no any circumstances, the undersigned is bound to accept the lowest rate of the tender.

20. The Courts at Diphu shall have the jurisdiction to settle up any/all disputes if arises.
21. In case of any of the above mentioned dates being declared as a holiday the Bids will be sold / received / opened on the immediate next working day at the appointed time.
22. Any corrigendum related to this tender kindly to be seen at the official website of the college.
23. Authority reserves the right for any modification in the bid documents if required 7 days before the tender submission last date.
24. In case the bid documents are sent by post or by courier, the time and date of depositing the bid documents at the office is to be as per schedule date of submission. Authority will not be responsible for any postal delay in process of submission of Bids & necessary fees.
25. Payment will be made on received of the consignment with satisfactory certification by the concerned department HOD on the availability of the fund. No any interest is to be paid for late payment, if any.
26. Tenderer should mention the expiry dates of consumables and kits where applicable.

Sd/-

Principal cum Chief Superintendent,
Diphu Medical College & Hospital, Diphu

Annexure-III

Check List

Document Submitted

1) Demand Draft
   a) Tender Fees (Rs-2000/-) No.....Dt..... Bank Name.....
   b) EMD fees (Rs-20000/-) No.....Dt..... Bank Name.....
2) PAN Card
3) GST Registration Certificate
4) Income Tax Clearance Certificate/IT returned of last three assessment year.
5) Trade Licenses
6) A notarized undertaking (in original) to the effect that the company/firm/distributor has not been blacklisted
7) Financial Statement of last 3 Years from C.A is to be enclosed.
8) Financial sound Certificate from banker is to be enclosed.
9) Affidavit in support of tender is to be enclosed in original (duly signed by the Notary public).
10) Any other document and Annexure required as per Tender document

a)

b)

c)

d)

Certified that above documents is true & legal as required for the tender. The original document will be produced at the time of opening /scrutiny of technical bid.

Signature of Tenderer

Annexure-IV

Sl. No	Name of the equipment	Technical Specifications	Name of Manufacturer
1.	Gel electrophoresis apparatus for molecular study	**Agarose gel electrophoresis with power pack** For electrophoresis apparatus • Should have Cell size (W x L x H) 17.8 x 25.5 x 6.8 cm, and 9.2 x 25.5 x 5.6 cm • Gel tray sizes (OD) (W x L) Should be 15 x 7 cm, 15 x 10 cm, 7 x 7 cm , 7 x 10 cm • Should have Ready agarose gels accommodated for wide mini and 96 Plus formats, 8-, 12-, 2 x 8-well • Should have Sample throughput around 10–60 • Should have Base buffer volume approximately ~650 ml • Should not have Buffer recirculation • Should have Bromophenol blue migration ~4.5 cm/hr (at 75 V) For power pack • Should be suitable for running horizontal and vertical electrophoresis applications. • Should have control of constant voltage output as well as constant current output. • Output current should be in the range 10–300 V, fully adjustable in 1 V steps4–400 mA, fully adjustable in 1 mA steps 75 W (maximum) and timer: 1 min–99 hr 59 min, fully adjustable and crossover Output terminals 4 pair recessed banana jacks in parallel • Manual programming of voltage, current, temporary changes to power and time parameter can be made in the power pack without interring the run. • 4 or more frequently used programme should be stored in the system of power pack. • Should include Safety compliance No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection Input protection Fuse on hot and neutral • Should be suitable to operate at 220 to 230 V AC, 50 to 60 Hz. • Should have UV torch with dual Wavelength (365 and 254 nm) for gel viewing and gel rocker for gel staining • 3 year comprehensive warranty for the whole system. • Certification: ISO or equivalent	**Biorad**

2.	Automated Hematology Cell counter	**Hematology Analyser** 1. The instrument should be fully automated fluorescence **flow cytometry based 5 part** differential hematology analyzer offering automatic start-up, shutdown and sample-analysis. 2. The instrument should have random access discrete analysis modes for CBC, CBC+DIFFERENTIAL+ IG. 3. The instrument should have 26 PARAMETERS reported: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV , PLT, NEUT %, LYMPH %, MONO%, EOS %, BASO %, NEUT #, LYMPH #, MONO #, EOS #, BASO #, PDW, MPV, PCT, P-LCR, IG #, IG % TWO HISTOGRAMS – RBC, PLT and ONE SCATTERGRAM 4. The instrument should have throughput of atleast 30 samples per hour in both the discrete analysis modes. 5. The sample aspiration volume for the complete differential blood count should not be more than 70 µl. 6. The instrument should have Hydrodynamic focusing / impedance method for RBC/PLT channel. 7. The instrument should have Cyanide free Sls-hb / colorimetric method for the hemoglobin measurement 8. The instrument should be equipped with Fluorescence based semiconductor laser fluorescence flow cytometry for Differential channel. 9. Instrument should be able to enumerate immature granulocytes 10. Instrument should have ability to enumerate facility additional clinical parameters like reticulocytes, immature platelet fraction etc. 11. Analyser must have option to enumerate differentials for body fluid samples 12. The instrument should have COMPREHENSIVE INFORMATION PROCESSING SYSTEM with: User-friendly Windows XP/ 7 or higher based software. 100000 sample data with histogram and scattergrams storage. Facility to create QC file and to store QC . 13. The instrument should have minimum maintenance with Semiconductor laser has lower power consumption, higher stability, and longer life thus cutting down on maintenance cost. 14. The instrument should be EXTENSIVE QC FEATURES : Min one file for X bars M. Delta checks available for cumulative review. Option for online QC also available. 15. It should have high linearity. of over 4 lacs for WBC's, over 40 lacs for Platelets 16. Hardware Calibration certificate should be provided during the installation of the equipment. Recalibration certificates 6 monthly/ 1 yearly (whatever applicable) should be provided during the warranty as well as CMC period.	**Transasia**

		17. The product should be CE, FDA & ISO certified. **18. Minimum 2 years warranty along with additional 3 years CMC should be included.** 19. The company supplying the instrument should have a good track record and excellent service and distributor in Assam.	
3.	Portable Semi-automated analyzer for G6PD kinetics study	**Semi-Automatic Chemistry Analyzer** 1. The system should be equipped with long lasting IAD filter (ion assist deposition filters) with Life time filter replacement Guarantee. 2. **The system should have:** i. Dual Mode, Flow cell & cuvette (both Round & Square) ii. Graphic Display 800 x 480 pixel colour touch screen or better iii. Photometric Abs: 0.00 – 2.5 Absorbance Units (A) iv. Inbuilt incubator: 10 round and 2 square position or better v. Method storage: 140 programme and 2000 test results or better vi. Result storage: internal HD card 8 GB or more vii. Intelligent software that can identify Reagent Deterioration viii. LIS (Ethernet, uni-directional) ix. Thermal Printer x. USB port supported, Keyboard. xi. Lamp Cutting facility – stand by 15 min only xii. Self-check of the instrument. xiii. Minimum Aspiration Volume – 320 micro litre xiv. Flow Cell Volume 32 micro litre xv. Temperature regulated fan with filter for minimum noise and dust xvi. Wavelength: 340, 405, 505, 546, 578, 620, 700, 750 nm xvii. Wavelength accuracy: ± 2 nm xviii. Operator interface: Touch keys/Touch screen xix. Filter selection: Automatic xx. Light source: Tungsten/halogen 3. The system should give Tri Level QC with LJ Chart 4. The system should perform Bichromatic& Monochromatic Reading 5. The system should take the reading, display & Print 6. The system should perform the on line real time reaction curve of kinetic assays and also have the Multipoint calibration facility for two point kinetics assays. 7. Power 110-240 V, 50/60 Hz, < 90 W 8. The supplier should supply 20 numbers of cuvette along with the system 9. The supplier should supply 20 numbers of thermal paper rolls 10. Manufacturer/Authorized Dealer should attach relevant documents of Authorization certificates.	**RMS Analytica**

		11. Address and details of nearest authorized service center should be mentioned with documents. 12. Installation reports of previous installation at various Govt./private University/Institution of North East India must be attached 13. The system should be CE certified (please attach certificate) 14. Warranty: minimum 2 years 15. CMC: 3 years 16. Please attach the supporting documents and highlight the above mentioned specifications in the supporting documents.	
4.	Pipette set	**Single channel Micropipettes** • Single channel variable volume micropipette, Adjustable volume, fully autoclavable • Spring Loaded Tip Cone for connecting tips very tightly • Adjustment opening for adjusting pipettes to a specific liquid and volume. • Control Button with very low operating force, Color indication for pipette volume. • Tip ejector with very low operating force, positioned for perfect ergonomics. • Volume Display: 4 Digits with magnifier. • To provide thermal, mechanical and chemical stability piston should manufactured from Fortron material • Very easy removable lower part for cleaning pipette • Fully Autoclavable Volume Unichennel 0.5-10 µL, 2-20 µL, 10-100 µL L, 20-200 µL, 100-1000 µL, 0.5-5ml, • TIPS Box and Two Pipette stand with provision to keep atleast four pipettes in one stand should be supplied with the set of pipettes. • Calibration certificate should be produced during the supply of items. • **Warranty 1 year** • **Product should be ISO, CE or FDA certified.** **Multichannel pipettes** • 8 channel variable volume micropipette, Adjustable volume, fully autoclavable • Spring Loaded Tip Cone for connecting tips very tightly • Adjustment opening for adjusting pipettes to a specific liquid and volume. • Control Button with very low operating force, Color indication for pipette volume. • Tip ejector with very low operating force, positioned for perfect ergonomics. • Volume Display: 4 Digits with magnifier. • To provide thermal, mechanical and chemical stability piston should manufactured from Fortron material • Very easy removable lower part for cleaning pipette • Volume ranges: 0.5-10 µl, 10-100 µl, 30-300 µl	**ARBA Health care/ Biocell**

		• Calibration certificates should be produced during supply the item. • **Warranty : 1 year** • **Product should be ISO, CE or FDA certified.**	
5.	Computer with Ink Tank Printer & UPS	**Functional Desktop computer Set (HP/Dell/Lenovo)** 8 GB RAM,1 TB HDD. Monitor-18.5" display. Operating system-Microsoft Windows 10 professional or above (64 bit), Rear I/O Port-1XRJ45 LAN/1xHDMI/2xUSB 2.0 port, Front I/O Port- 2xUSB, 10th Generation Intel® Core™ i3 processor with updated antivirus softwere. **Printer** **Copy Function:** **Reduction / Enlargement:** 25 - 400%, Auto Fit Function **Maximum Copy Size:** A4, Letter **Copy Resolution:** 600 x 1200 dpi **Max Copies:** 99 copies **Copying:** **Copy quality:** Normal/ Best quality **ISO 29183, A4 Simplex Flatbed (Black/colour):** Up to 11 ipm / 5.5 ipm **Scanning:** **Scanning Type:** Flatbed colour image scanner **Sensor Type:** CIS **Optical Resolution:** 1200 x 2400 dpi **Maximum Scan Area:** 216 x 297 mm (8.5 x 11.7") **Scanner Bit Depth (colour):** 48-bit input, 24-bit output **Scanner Bit Depth (Grayscale):** 16-bit input, 8-bit output **Scanner Bit Depth (Black & White):** 16-bit input, 1-bit output **Scan Speed (Flatbed / ADF (Simplex)):** 200 dpi, Black: 12 sec / 5.0 ppm 200dpi, Colour: 27sec / 5.0 ppm	HP/Dell/ Lenovo
6.	HPLC system with power backup	**HPLC system with power backup** • Automated, Integrated system, dedicated to HbA1c, Thalassaemia and hemoglobinopathy testing and screening based on HPLC technology. • The system should be able to screen and quantitate hemoglobins Hb A2, Hb A, Hb F and Hb A1c and detect the most commonly occurring abnormal hemoglobins like Hb S, Hb D, Hb E, Hb C, Hb Q-India and other rare abnormal hemoglobins. • Complete ready to use kit should be provided with Buffers in transparent plastic tanks to view the level of buffers ; columns, primers,	**Biorad D10**

		calibrators & sample vials. • It should have a faster throughput of <7 minutes per sample • The system should work on Windows 7 or higher Operating system. • The system should have color touch screen display and inbuilt DVD Drive to update kit parameters – calibrator values, integration parameter, lot number, expiry details of reagent etc. • It should have facility for exporting results to USB Drive for back up data archive of atleast 10000 results. • It should have an offline CD-ROM which should be a searchable database with approximately 800 chromatograms of fully classified abnormal hemoglobins and thalassemias. • The system should have in-kit external standards for instrument calibration ensuring accurate quantitation of results. • The system should contain Low pulsation dual piston pump with programmable solvent delivery system. • The system should have a bi-directional LIS. • The system should have a feature of rack & sample position identification to avoid error in case of bad/fault barcode reading. • The system should have a visible alarm system for low buffer in the mobile phase reservoirs, low level value for cartridge injections and overflow for the waste tank, as well as built in alarms for calibration failure. • The system should be capable of positive sample identification using a Barcode reader. • The system should have the facility of primary tube sampling and direct dilution of the samples without manual intervention. • It should have an inbuilt system check facility which checks that all the system parameters (eg, cartridge, buffer, reagent, waste etc) are ready before the sample analysis. • The system should have a dual program mode to perform either HbA1c or HbA2/Hb F/HbA1c without changing any reagents or columns. • The system should not require changing of reagents while switching from HbA1c to HbA2/Hb F/HbA1c testing mode . • The system should be able to detect correct A1c values in presence of abnormal hemoglobin variants like HbD, HbE, HbS & HbC • Assay time should not be more than 3 minutes for HbA1c testing and 6.5 minutes for A2/F/A1c testing. • The System should be NGSP (National Glycohemoglobin Standardisation Program) Certified and traceable to IFCC reference method. • The system should offer both NGSP & IFCC value reporting on the same patient report, control & calibrator report. • It should be able to print a hard copy report giving identification and information on the subtype and quantity of hemoglobins detected. It	

		should have the facility to view current and stored chromatograms & should enable storage of chromatograms. • It should have an 80GB hard disk and a remote data access feature when connected to LAN or Intranet. • The company should be able to provide normal and abnormal controls for Hb A2, Hb F and Hb S and provide quality control program to help compare results with similar users worldwide. • The company should have external quality assurance service (EQAS) for hemoglobin variants • The company should have minimum of 100 installations in India • The system should have a software for real time viewing of the analysis of the sample. • The System should be both CE & FDA approved. • The company should have offline library of chromatograms for result interpretation • The system should have optional feature to load atleast 50 samples simultaneously with continuous loading facility. • The company should have optional feature of capillary collection kit for remote sample collection with sample stability at 2-8 C for 14 days. • Power backup should be provided. • Warranty for 5yrs.	

Annexure-V

List of laboratory equipments for Biochemistry Lab, DMC&H, Diphu

Sl No.	Name of items with description	Unit/ Pack size	Name of Manufacturer	Unit Price (excluding GST)	Rate of GST (%) as applicable	Unit Price including GST	Unit Price in words
1	Gel electrophoresis apparatus for molecular study	1	Biorad				
2	Automated Hematology Cell Counter	1	Transasia				
3	Portable Semi-automated analyzer for G6PD kinetics study	1	RMS Analytica				
4	Pipette set	1	ARBA Health care/ Biocell				
5	Computer with Ink Tank Printer & UPS	1	HP/Dell/ Lenovo				
6	HPLC system with power backup	1	Biorad D10				