

THE UNIVERSITY OF BURDWAN

Prof. Abhijit Mazumdar
Registrar (Officiating)



Contact details (office):
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Notice Inviting e-Tender (2nd Call)

Ref. No.: ENVSC/ DST-FIST/19-20/04

07.08.2020

E-tenders are hereby invited for the item as per detailed specifications from the Original Equipment Manufacturer (OEM) or their authorized representatives in India for supply and installation of “**(I) BIOLOGICAL TISSUE HOMOGENIZER, (II) AUTOMATED 3-PART HAEMATOLOGY ANALYSER, SEMI-AUTO ANALYZER, SOFTWARE** at the Department of Environmental Science, The University of Burdwan, Golapbag, Burswan 713104, West Bengal, India sanctioned by the **DST-FIST**, Government of Indiasponsored Research Project (**No. SR/FST/ESI-141/2015I & SR/FST/ESI-141/2015 (G) DT. 30TH SEPT. 2019**).

The tender must be submitted through **on line only and must be addressed to:**

THE REGISTRAR

The University of Burdwan, Golapbag, Burdwan 713104, INDIA

1. For e-filing, intending bidder may download the e-tender documents from the website <https://wbtenders.gov.in> directly with the help of Digital Signature Certificate.
2. Bid shall remain valid for a period not less than 60 (*sixty*) days from the last date of submission of Financial Bid.
3. All the prices must be quoted in Foreign Currency (for imported items) and INR for local items.
4. Both **Technical Bid** and **Financial Bid** are to be submitted concurrently duly digitally signed in the website <https://wbtenders.gov.in> within the closing date of online submission.
5. The **FINANCIAL OFFER** of the prospective bidder will be considered only if the specification of the bidder is found qualified by the Purchase Committee. The decision of the Purchase Committee of the project will be final and absolute in this respect.
 - a) Terms & Conditions like, Insurance, Mode of payment, Validity period, Warranty and Delivery period must be mentioned and to be submitted on firm's letter head mentioning the following :
 - i) Name and address of the Company including Telephone no., FAX no.
 - ii) Contact person: Name, mobile number, email address
 - iii) Banker's name and address in details
 - b) Detailed Technical specifications

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- c) Full Specifications, Make, Model, Original Brochure / Leaflets / Technical Information of the item should be given while quoting the rates in the bid.
 - d) In case of authorized dealers, OEM authorization mentioning the NIT number to be submitted by the dealer.
 - e) The accessories quoted by bidder should be OEM make and not locally sourced. If it is locally sourced, should be mentioned clearly with justification.
 - f) Experience and credential documents including copies of Orders towards supply of the equipment in Government / Government undertaking organizations / agencies are to be submitted along with the technical bid.
 - g) Any other relevant document
6. The **Financial proposal** should contain the Bill of quantities (BOQ) in one folder. The bidder has to download the BOQ and quote the rate online in the space marked for quoting rate in the BOQ and upload the document virus scanned and Digitally Signed by the bidder.
 7. The Purchase Committee reserves the right to accept or reject any bid and to cancel the Bidding processes and reject all Bids at any time prior to the award of Contract without thereby incurring any liability to the affected Bidder or Bidders or any obligation to inform the affected Bidder or Bidders of the ground for Purchase Committee's action.
 8. The Bidder whose bid would be accepted will be notified.
 9. The final price of the instrument / equipment must include the other charges like packaging, forwarding, freight, transportation charges etc (whenever the prices are quoted on Ex-Work / FOB / FCA basis). No extra cost will be paid for delivery, clearance and installation.
 10. Name and address of the Foreign Principal (OEM) and their E-mail and Fax No. must be clearly mentioned in the offer.
 11. The material should be dispatched duly insured against theft, loss or breakage during transit and the rates chargeable for insurance may invariably be quoted separately. The insurance shall be for an amount equal to 110% of the CIF value or CIP value of the contract from within "warehouse to warehouse (final destination)" on all risk basis including strikes, riots, and civil commotion.
 12. The University of Burdwan is registered with Department of Scientific and Industrial Research (DSIR) for the purposes availing Customs duty exemption in terms of Government Notification and Central Excise Duty Exemption in terms of Government Notification.

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13. Payment will be made on bill basis after the receipt of the item in good condition, its satisfactory installation and commissioning at our site by e-payment. In case of Import, payment shall be made through Letter of Credit (L/C) / Wire transfer / Foreign Demand Draft. The bidder has to follow the terms and conditions laid down in the L/C.
 14. The warranty shall remain valid for minimum twenty-four (24) months from the date of satisfactory installation and commissioning at our site.
 15. Rate should be given both in words and figures clearly in the quotation. If there is any discrepancy between the words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to above.
 16. The shipment must be made in the name of "THE HEAD, DEPARTMENT OF ENVIRONMENTAL SCIENCE, Research Project (No. **SR/FST/ESI-141/2015I & SR/FST/ESI-141/2015 (G) DT. 30TH SEPT. 2019**), Department of Environmental Science, The University of Burdwan, Golapbag, Burdwan 713104, INDIA".
 17. The last date and time for receiving complete bids shall be strictly adhered to and no offer received after the due date shall be considered. Delayed / Late Tenders will not be considered at all. The University of Burdwan will not be responsible for any loss in transit.
 18. The acceptance of quotation will rest with the purchase committee which does not bind itself to accept the lowest quotation and reserves the right to reject, or partially accept any or all the quotations received without assigning any reason.

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19. Date and Time Schedule :

Sl. No.	Particulars	Date and Time
1.	Date of uploading of N.I.T. & other Documents (On line) (Publishing Date)	07.08.2020 at 12:00 Noon
2.	Documents download start date (On line)	08.08.2020 at 11:00 am
3.	Documents download end date (On line)	17.08.2020 at 11:00 am
4.	Bid submission start date (On line)	08.08.2020 at 12:00 Noon
5.	Bid Submission closing date (On line)	18.08.2020 at 12:00 Noon
6.	Bid opening date for Technical Proposals (On line)	19.08.2020 at 12:00 Noon
7.	Date of uploading list for Technically Qualified Bidder (On line)	To be notified later on
8.	Date for opening of Financial Proposal (On line)	To be notified later on

REGISTRAR
The University of Burdwan
Rajbati, Burdwan

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Item No. 1 (a): Specification for Biological Tissue Homogenizer

GENERAL SPECIFICATIONS	
A) General Specifications	
	Homogenizer unit with 144 watt,
	high-torque motor with a variable speed adjustment,
	Maximum noise level of only 68 dB.
	A separate ON/OFF switch for convenience to control speed
	PRO Quick Connect generator probes, ranging in size from 5 mm to 20 mm in diameter
	Homogenizer unit is able to homogenize samples with volumes as small as 0.03 ml or as large as 1 L
B) Generator Probe Specification	
	Made from 316 Stainless Steel and PTFE
	Precision crafted rotor-stator generator probe
	Disassemble and reassemble in seconds
	Chemically compatible with all cleaning methods and most reagents
	Variety of diameters from 5 mm – 59 mm and lengths available
	Recommended for 1.5 ml – 10 ml tubes
	Sample vol processing range: 0.03 ml – 1 L RPM Range : 5,000 – 33,000
	7 mm x 95 mm Saw Tooth Bottom Generator Probe

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Item No. 2 (a): Specifications for Automated 3- Part Differential Haematology Analyzer

GENERAL SPECIFICATIONS	
A) General Specifications	
1	The instrument should be fully automated 3-part differential with 22 parameters offering automatic start up, shutdown and sample analysis.
2	The instrument should have Cyanide free /colorimetric method for the haemoglobin measurement.
3	The instrument should report minimum 22 PARAMETERS including, WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT, Lym#, Mid#, Gran#, Lym%, Mid%, Gran%, RDW-SD, RDW-CV, PDW-SD, PDW-CV, MPV, PCT, P-LCC, P-LCR with THREE HISTOGRAMS – WBC, RBC, PLT
4	The instrument should have a throughput of 60 samples/hour
5	The instrument should have around 50,000 searchable sample data storage.
6	The instrument should have coloured 10.4” LCD touch screen with intuitive menu icons for easy operation
7	The instrument must have provision to incorporate morphological findings & other test results like Blood Group & RH type, ESR, C-reactive protein and Reticulocyte counts etc. in the instrument report printout
8	The instrument should have in-built thermal printer and 4 USB interfaces for connecting external printer, keyboard, mouse, barcode scanner
9	The instrument should have following analysis modes Manual - Open, Pre-dilute and Capillary
10	The sample volume should not exceed 9 µl in manual mode, 20 µl in pre-dilute & capillary mode each
11	To ensure economy as well as better reagent inventory management, the number of reagent types “that are required to be connected to the system” for operation should not exceed 2 types preferably (excluding calibrators, controls and other ancillary reagents that are not required during each sample analysis)
12	Instrument should have in-built Real time Inventory Management system to track usage of reagents
13	Instrument should have facility to auto-dispense pre-defined volume of diluent for pre-dilute mode
14	The company supplying the instrument should have a good track record and excellent service and distributor network all over India.
15	The instrument should have in-built thermal printer and 4 USB interfaces for connecting external printer, keyboard, mouse, barcode scanner

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Item No. 2 (b): SPECIFICATIONS OF SEMI-AUTO ANALYZER

GENERAL SPECIFICATIONS

A) General Specifications

1	It should be microprocessor controlled, programmable, semi autoanalyser to perform routine biochemistry tests, enzyme immunoassays (with multistandard curve with 1 blank & six standards calibration)
2	It should offer at least 200 user definable chemistry parameters, with at least 50 onboard direct access keys.
3	The unit should be able to offer 10 modes such as 1-Point Linear (End-Point), 2-Point Linear (Fixed Time), Rate A Linear (Kinetic), 1-Point Non-linear (End-Point), 2-Point Non-linear (Fixed Time), Rate A Non-linear (Kinetic), 1-Point Sample Blank Linear (Differential), 1-Point Sample Blank Non-linear (Differential), Absorbance & Coagulation.(INR)
4	There should be a facility to take readings with monochromatic as well as bichromatic filter selections.
5	It should have a peltier controlled reading block with temperature programmable from 20 ⁰ C to 40 ⁰ C
6	The flowcell volume should be 20 µl or less.
7	The instrument must have provision to incorporate morphological findings & other test results like Blood Group & RH type, ESR, C-reactive protein and Reticulocyte counts etc. in the instrument report printout
8	It should have facility to use both 6mm glass cuvettes and 10mm plastic cuvettes additionally in place of flowcell& there should be a READ button to take readings from 6mm glass cuvettes and 10mm plastic cuvettes.
9	It should have 8 narrow band static interference filters with wavelength selectable from 340 - 700 nm. without any use of a moving filter wheel
10	It should have a large LCD display alphanumeric display and built-in full graphic printer for printing reaction curves and test results. Facility to attach external desk jet printer directly to the system will be of added advantage.
11	It should require minimum reagent per test typically not more than 300 µl/ test.
12	It should have the facility to display the actual temperature on screen.
13	The software should be user friendly and guide the programmer step by step with special HELP & CALIB key.
14	The instrument should also be capable of doing coagulation assays with programmable ISI value to print results in INR.
15	It should have facility to store minimum 1000 test results in the memory. Further it should possible to recall the stored results with Patient ID or with Date or with Date & Patient ID.
16	It should store Reagent Blank O.D., Sample Blank OD, Standard O.D., Factor, Non-linear curves
17	It should have facility to enter Six Digit Alphanumeric Patient ID.
18	It should have full-fledged QC menu to give - Daily QC & Monthly Levy Jennings Graphs for two controls per test.
19	It should work with 18 V DC using External Universal SMPS adapter of Max. 100W 90-264 V, 47-63 Hz, which requires no CVT. It should be able operate using external battery.
20	The manufacturer / supplier should have a full-fledged service force and the manufacturer should be able to supply kits locally against orders.
21	Principle manufacturing company should be originally from India, Europe, Japan and US only and should have EUROPEAN CE. Made in India will be considered as per Govt. order

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