

**TENDER FOR THE PLACEMENT OF HIGH END FULLY AUTOMATIC RANDOM ACCESS CHEMISTRY ANALYZER (CLOSE SYSTEMS)  
ON REAGENT RENTAL BASIS FOR THE YEAR 2022-23**

**TECHNICAL EVALUATION COMMITTEE REPORT**

Name of Document	M/S Pakistan Microbiological Associate Rawalpindi	M/S A.M Health Care Multan	M/S Dia Scient International Faisalabad
Tender Purchase Receipt Attached	Yes	Yes	Yes
NIC attested copy attached	Yes	Yes	Yes
NTN attested copy attached	Yes	Yes	Yes
STN attested copy attached	Yes	Yes	Yes
Country of manufacture	USA	Germany	China
Country of origin of equipment, Brand Name, Model No.	USA/ Backman Coulter AU-680	Germany Roche Cobas c 303	<b>China</b>  <b>Rayto / Chemray 420</b>
Country of Origin of Kit/ Packs, Catalogue No. Brand Name	USA	Germany EEC/Japan/ USA	<b>Beijing republic China</b>
Availability of model on official website	Yes	Yes	Yes
Valid Quality Certificate (ISO 13485:2003 / CE Marked / FDA/ MHLW/ IVD)	Yes	Yes	Yes
Valid Establishment License/ License to import	<b>NO</b>	Yes	Yes
Valid Authorization Certificate from Manufacturer / foreigner principal/ Sole Agent	Yes	Yes	Yes
Affidavit that the firm was / is not black listed from any Government institution	Yes	Yes	Yes
Affidavit regarding price reasonability certificate	Yes	Yes	<b>NO</b>
One year relevant business history (Preferably Tertiary care hospital )	Yes	Yes	<b>NO</b>
Technically Eligibility of the firm	<b>Substantially Eligible</b> (Subject to provision of verified court copy of restraining order)	<b>Eligible</b>	Not Eligible

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<b><u>Detailed Requirements:</u></b>			
<ul style="list-style-type: none"> <li>• Microprocessor controlled fully automated chemistry analyzer</li> <li>• User programmable with built in bar code reader</li> <li>• Sample type: Serum, Plasma, Body Fluids etc.</li> <li>• Capability to re-run with automatic on board sample dilution</li> <li>• Automatic Sample Quality Analysis for Lipemia, Hemolysis, Icterus</li> <li>• CD/USB Storage System</li> <li>• RS 232 interface for on line computer</li> <li>• 220V, 50 Hz operated</li> </ul>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>

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<p><b>User Adjustable Settings:</b></p> <ul style="list-style-type: none"> <li>• Minimum 40 tests on panel including ISE</li> <li>• Minimum 60 sample/QC positions and continuous loading of samples</li> <li>• 500 tests/hr or above for a range of chemistries (Other than ISE i.e. Na+, K+, Cl-)</li> <li>• Spectral Range 320-690 nm</li> <li>• Filter Wavelength 340, 405, 492, 505, 546, 578, 630 nm, one free position</li> <li>• Sample volume 2-50 µl</li> </ul>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p> <p><b>360 Test</b></p> <p>Ok</p> <p>Ok</p> <p>Ok</p>
<p><b>Displayed Parameters:</b></p> <ul style="list-style-type: none"> <li>• Touch Screen Display Monitor</li> <li>• On board reagent refrigeration of 2-8 Degree Centigrade or better</li> </ul>	<p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p>

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<ul style="list-style-type: none"> <li>• Facility to display actual temperature of reagent</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Temperature control for assays at 37C</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Self calibrating against known standards + Storage of QC results</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Independent stat capability, facility of reflex testing</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Automatic calibration of curves and results</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Automatic flagging of results outside user defined limits</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Data entry by keyboard, bar code reader &amp; LIS</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Bubble and sample level detector/Liquid Level Sensing on both Reagent and Sample Probe</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Minimum data storage 10,000 tests</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Parameters to be decided by the procuring agency as per requirements of end user</li> </ul>	Ok	Ok	Ok

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<b>Accessories:</b> <ul style="list-style-type: none"> <li>• With Built-in Thermal Printer or External Laser Printer</li> <li>• Compatible Imported Online Sine wave UPS with Battery backup for 30 minutes (Emerson, Liebert, Chloride, MGE, APC or Equivalent)</li> <li>• Compatible RO System (If required) to operate the Chemistry Analyzer</li> <li>• Operating Manual with a Soft Copy</li> <li>• Service Manual with a Soft Copy</li> </ul>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>	<p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p> <p>Ok</p>
<b><u>Optional to be quoted mandatory (If any):</u></b> <ul style="list-style-type: none"> <li>• Whole blood HbA1c analysis /without pretreatment of sample outside for HbA1C analysis, Diffraction grating based photometer with Wavelength selection in Spectral Range of 340 – 800 nm</li> </ul>	<p>Ok</p>	<p>Ok</p>	<p>Ok</p>

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<ul style="list-style-type: none"> <li>• Capability to re-run with automatic on board sample dilution</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• STAT capability during routine operation</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Dedicated calibrators, QC and stat positions</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• Automatic reagent loading during operation</li> </ul>	Ok	Ok	Ok
<ul style="list-style-type: none"> <li>• The following will be provided by winning firm free of cost</li> </ul>	Ok	Ok	Ok
<ol style="list-style-type: none"> <li>1. Back up instrument of same model as win in contract</li> </ol>	Ok	Ok	Ok
<ol style="list-style-type: none"> <li>2. Installation of both instruments along with grounding</li> </ol>	Ok	Ok	Ok
<ol style="list-style-type: none"> <li>3. Instillation of water purification (RO Plant) plant with its maintenance and replacement of filters and other accessories.</li> </ol>	Ok	Ok	Ok

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4. Provision of Consumables, Normal control, Abnormal (Pathological) controls and Calibrators	Ok	Ok	Ok
5. Replacement of analyzers' parts as required per scheduled in service manual or per maintenance requirement	Ok	Ok	Ok
6. Services & maintenance of instruments	Ok	Ok	Ok
7. HP LaserJet Printer, one Horizontal head centrifuge machine and one split air conditioner	Ok	Ok	Ok
8. Placement of local based Engineer	Ok	Ok	Ok
9. Whenever new parameter is added, its controls and calibrators will be provided free of cost.	Ok	Ok	Ok

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<b>Name of Tests</b>	<b>Backman Coulter (USA/ Irland)</b>	<b>EEC/Japan/ USA Roche</b>	<b>Chemray</b>
GLUCOSE	Ok	Ok	Ok
ALT	Ok	Ok	Ok
AST	Ok	Ok	Ok
T. BILIRUBIN	Ok	Ok	Ok
DIRECT BILIRUBIN	Ok	Ok	Ok
UREA	Ok	Ok	Ok
CREATININE	Ok	Ok	Ok
URIC ACID	Ok	Ok	Ok
TG	Ok	Ok	Ok
CHOLESTEROL	Ok	Ok	Ok
HDL	Ok	Ok	Ok
LDL	Ok	Ok	Ok
CALCIUM	Ok	Ok	Ok

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PHOSPHORUS	Ok	Ok	Ok
AMYLASE	Ok	Ok	Ok
LDH	Ok	Ok	Ok
CPK	Ok	Ok	Ok
MICROALBUMINURIA	Ok	Ok	Ok
CSF/URINARY PROTEIN	Ok	Ok	Ok
TOTAL PROTEIN	Ok	Ok	Ok
SERUM ALBUMIN	Ok	Ok	Ok
AST	Ok	Ok	Ok
CRP	Ok	Ok	Ok
HbA1C (NGSP certified method)	Ok	Ok	Latex enhanced immunoturbidimetric
LIPASE	Ok	Ok	Ok
MAGNESIUM	Ok	Ok	Ok
IRON	Ok	Ok	Ok

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CYCLOSPORIN	Ok	Ok	-----
TACROLIMUS	Ok	Ok	-----
<b>Decision for TAC</b>	<b>Substantially Eligible</b> (Subject to provision of verified court copy of restraining order)	<b>Eligible</b>	Not Eligible