TENDER REFERENCE NO.: KK/82/2026/LAB

MINISTRY OF HEALTH
NEGARA BRUNEI DARUSSALAM

TO SUPPLY AND DELIVER REAGENTS AND CONSUMABLES WITH EQUIPMENT RENTAL FOR AUTOMATED URINE ANALYSER FOR NATIONAL CLINICAL MICROBIOLOGY REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF ONE (1) YEAR USAGE

TENDER FEES : $10.00

RECEIPT NO. :

CLOSING DATE : ON Tuesday, 02nd June 2026

TIME : 2.00 PM

FOA :

THE CHAIRMAN
MINI TENDER BOARD, TENDER BOX
GROUND FLOOR, MINISTRY OF HEALTH
COMMONWEALTH DRIVE
BANDAR SERI BEGAWAN BB3910
NEGARA BRUNEI DARUSSALAM

(CLUSTERING)

SECTION 2

SPECIFICATIONS AND REQUIREMENTS

TENDER REFERENCE NO: KK/82/2026/LAB

INVITATION TO TENDER
TO SUPPLY AND DELIVER REAGENTS AND CONSUMABLES WITH EQUIPMENT RENTAL FOR AUTOMATED URINE ANALYSER FOR NATIONAL CLINICAL MICROBIOLOGY REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF ONE (1) YEAR USAGE

1. SUPPLY OF REAGENTS

1.1 To supply reagents and associated consumables (calibrators, controls, accessories and consumables) for the tests listed below.

DELIVERY PERIOD	**PREFERABLY 4-8 WEEKS AND NO LONGER THAN 12 WEEKS**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
1	**URINALYSIS TEST STRIPS** 1. Rapid determination of 11 parameters in urine. 2. Must include the following parameters: i. pH ii. Specific gravity iii. Blood iv. Leukocytes v. Bilirubin vi. Urobilinogen vii. Ketones viii. Glucose ix. Protein x. Nitrite xi. Ascorbic acid 3. Must have been validated to be used with existing **automated** urine analyzers at the laboratory 4. Packed in hand-sized plastic tubes closed with desiccant cap to protect against humidity, good stability.	**150 STRIPS/BOTTLE**	**500 BOTTLES**
2	**CUVETTES** 1. One-time use high optical quality polycarbonate chamber 2. Must have been validated to be used with existing **automated** urine sediment analyzer (Urised) at the laboratory 3. Volume: 200µL	**600 CUVETTES/BOX**	**60 BOXES**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
3	**QUALITY CONTROL FOR URINALYSIS, LEVEL 1** 1. Assayed, liquid human urine-based control to monitor assay precision for urine dipstick and microscopic tests 2. Must have been validated to be used with existing **automated** urine analyzers at the laboratory 3. Compatible with the QC data management program (item no.5) for inter-lab peer group data comparison, when required 4. Level 1 of 2	**12 VIALS X 12ML PER KIT**	**40 KITS**
4	**QUALITY CONTROL FOR URINALYSIS, LEVEL 2** 1. Assayed, liquid human urine-based control to monitor assay precision for urine dipstick and microscopic tests 2. Must have been validated to be used with existing **automated** urine analyzers at the laboratory 3. Compatible with QC data management tool program (item no.5) for inter-lab peer group data comparison, when required 4. Level 2 of 2	**12 VIALS X 12ML PER KIT**	**40 KITS**
5	**Disposable non-sterile, graduated, capless polystyrene urine tube with conical base** 1. Dimension: 16.75mm x 109mm 2. Volume: 12 ml capacity **3.** Must be compatible to be used with the existing automated urine analyser at the laboratory	**1000 PIECES PER CARTON**	**50 CARTONS**

NO.	SPECIFICATIONS AND REQUIREMENTS
1.0	**PROVISION OF EQUIPMENT**
	To provide two (2) units of walk-away, automated urine chemistry analyser and two (2) units of automated sediment analyser.
2.0	**EQUIPMENT SPECIFICATION**
2.1	**AUTOMATED URINE CHEMISTRY ANALYZER**
2.1.1	Fully automated measurement process 240 tests/hour throughput.
2.1.2	Advanced, patented detection technique for test strip evaluation and Physical Measurement Cell (PMC Unit) for physical parameters.
2.1.3	No liquid detergents or calibrators.
2.1.4	Loading of up to 100 samples possible; internal test strip container for 300 test strips.
2.1.5	Sample dosage by pipetting unit; only 2 mL sample is required in test tube.
2.1.6	User friendly and flexible software; easy operation via a big color touch screen.
2.1.7	Automated QC analysis and maintenance procedures.
2.1.8	Integration to laboratory or hospital information systems possible.
2.2	**AUTOMATED SEDIMENT ANALYZER**
2.2.1	Up to 120 tests/hour throughput.
2.2.2	Maximum 10,000 results memory (including all images).
2.2.3	Fully automated sample preparation.
2.2.4	Whole view field microscopic images of sediment.
2.2.5	Automatic sample identification and classification of urine particles.
2.2.6	Subclasses can also be detected manually.
2.2.7	Manual microscopy mode: Real time view of any viewfield of the cuvette to see moving microorganisms as well.
2.2.8	Automated QC analysis and self-check.
2.2.9	Low sample volume (minimum 2ml).
2.2.10	Cost-effective operation without any special liquid reagents
2.2.11	User friendly and flexible software which can be updated via USB stick.
2.2.12	Streamlined documentation by LIS connectivity.
3.0	**TECHNICAL SPECIFICATIONS**
3.1	**AUTOMATED URINE CHEMISTRY**
3.1.1	Dimensions: not more than 600mm (W) x 650mm (D) x 635mm (H)

NO.	SPECIFICATIONS AND REQUIREMENTS
3.1.2	Weight: not more than 55 kg
3.1.3	Input: 100-250V AC / 50-60 Hz
3.1.4	Power consumption: 200w maximum
3.1.5	Interfaces: USB, RS232 serial port, PS2, VGA
3.1.6	Printer: Built-in thermal printer
3.1.7	Barcode reader: Built-in barcode reader
3.2	**AUTOMATED SEDIMENT ANALYZER**
3.2.1	Dimensions: not more than 600mm (W) x 640mm (D) x 635mm (H)
3.2.2	Weight: not more than 63 kg
3.2.3	Input: 100-250V AC / 50-60 Hz
3.2.4	Power consumption: 200w maximum
3.2.5	Interfaces: USB, RS232 serial port
3.2.6	Barcode reader: Built-in barcode reader
3.2.7	Printer: To print out urinalysis report
4.0	**SERVICE AND AFTER SALES SUPPORT**
4.1	All reagent test kits / consumables supplied throughout this tender shall have a minimum expiry date of **six (6) months on delivery**. Should the reagent or consumable be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) months should be first agreed by the User of the particular laboratory before delivery is made.
4.2	Letter of Undertaking (LOU) shall be produced upon each delivery of test kit or consumable with expiry date of less than six (6) months and vendor shall declare in the LOU that unused, unopened, expired kits will be replaced accordingly. For items which are known to have short expiry date such as those containing red blood cells, list down all such items and vendor shall declare in this tender submission of such items and shall be exempted from submitting LOU upon delivery.
4.3	Staggered delivery every 3 months period directly to the User.
4.4	User shall have the rights to refuse delivery of items that do not meet the acceptance criteria such as, but not limited to, the following: 1. Tampered or damaged box 2. Leakage upon delivery 3. Items stored pre-delivery not in accordance to manufacturer's instructions 4. Expiry date not meeting requirement
4.5	User shall have the rights to return any items, and to be replaced at no extra cost, if found not meeting the acceptance criteria upon opening a pack such as, but not limited to, the following: 1. Tampered or damaged packaging 2. Evident of leakage or damaged products 3. Expired products that are evidently less than the requirement mentioned in para 4.1 calculated from delivery date 4. Leakage upon delivery

NO.	SPECIFICATIONS AND REQUIREMENTS
4.6	Vendor shall submit samples of the offered items directly to the Users no later than 7 days after the Closing Date of this advertisement or as required by the Users.
4.7	Please supply details of the arrangement for 24-hour service support. There should preferably be remote diagnostic facility available. This should include the number of engineers and application specialist, their qualification/training with the system, response time during office hours, after office hours, weekdays and weekends.
4.8	The supplier SHALL be responsible for the preventive maintenance (Weekly, Monthly, and Quarterly as needed) and breakdown maintenance of the analysers. Any breakdown should be quickly attended to within 2 hours.
4.9	A copy of service report must be submitted to the laboratory whenever service work is done on the instrument.
4.10	Spare parts SHALL be supplied by the supplier should any replacement is required during preventive and breakdown maintenance.
4.11	Vendor shall aid the user with verification of a comprehensive methods performance for all of the tests listed above including, but not limited to, precision, accuracy, linearity, sensitivity, specificity, carryover, limit of detection or as required by the User depending on the nature of testing. Report of the verification study shall be submitted to the User for approval by the Director of Laboratory Services.
4.12	In the event of test results cannot be produced due to equipment failure or unavailable reagent supplies within the specified turnaround time, the vendor shall arrange and bear all costs for analysis of tests to an accredited laboratory (ISO 15189).
4.13	Vendor must provide technical support and assistance in the event of discrepancies or issues related to the QC results, the External Quality Assurance (EQA) program performance, and clinical specimen results.
4.14	The vendor shall promptly replace, free of charge, any item found to be defective or non-compliant due to discrepancies in QC results, failures in external quality assessment (EQA) schemes, or issues identified through clinical specimen testing.
5.0	**ENVIRONMENTAL AND INFRASTRUCTURE REQUIREMENTS**
5.1	The system shall occupy space not more than the present system in the laboratory. If any renovation (electrical and/or environmental) is required, costs shall be borne by Vendor.
5.2	Should any renovation is required, Vendor shall comply with the Ministry's procedure for infection control risk assessment (ICRA), implementation and monitoring as set out in the document titled Construction and/or Renovation, Maintenance, Repair and Demolition in the Health Care Setting.
5.3	Power and water requirements: No or low water consumption. If water is required, state how much and what purity, with provision of water purification system included. Please provide specification for power requirement. All costs for installing electrical and water requirements shall be borne by the Vendor. All the electrical wires shall be covered with PVC trunk properly for safety precautions.
5.4	Electrical Safety – Vendor shall test for and maintain the electrical safety of all equipment and accessory devices installed throughout their usage period. This include conducting electrical safety testing upon installation & during preventive maintenance (at least every six (6) months) using calibrated device. Electrical safety testing report shall be submitted to the laboratory for acceptance.
5.5	Temperature and humidity requirement: preferably 22 – 28 ^{o}C and up to 80% relative humidity.
5.6	Floor area and drainage requirements: preferably adaptable to present facilities.
5.7	Heat and noise generation: preferably less than 7,000 BTU per unit and ≤ 65 dBA at the front of the unit while at full operation.
5.8	Low generation of hazardous chemical or biological waste.
5.9	If biological liquid waste is generated, the supplier shall provide the following for suitable waste containers; i. Two waste containers shall be capped, have an inlet and outlet, easy to handle and do not hold more than 15L of liquid waste

NO.	SPECIFICATIONS AND REQUIREMENTS
	ii. When the production of waste liquid is more than 15L/day, a direct waste pipe shall be installed. A pre-dilution container shall be provided with easy access to add disinfectant and dispose of waste liquid. A preventive pipe shall be installed to prevent overflowing liquid waste from the waste containers Proper guidelines to disinfect the liquid waste that is acceptable to ISO 15189 shall be provided
5.10	The successful vendor shall keep the area behind of the equipment tidy and clean at all times. All wires and cables shall be properly covered using PVC trunk, flexible wire and cable cover or equivalent that is acceptable to the laboratory.
6.0	**MISCELLANEOUS**
6.1	All the reagents must remain stable throughout the shelf life when stored at their stated temperature.
6.2	All the reagents must have a minimum shelf life of 12 months from the date of acceptance.
6.3	Staggered delivery of reagents and consumables should be according to user schedule. Supplier should have other alternative in the case where supplier cannot fulfil the delivery on time.
6.4	Any defect and contaminations occurring along the line should be replaced by the next shipment or at the earliest shipment.
6.5	Should there be any discontinuity of reagents due to non-compliance in the manufacturing of reagents; the vendor must be able to provide an alternative so that the test requests are still available for the customers.
7.0	**LITERATURE**
7.1	To supply one (1) CD or one (1) set of hard copy of the Operating Manual and Service Manual including circuit diagrams of the equipment shall be provided upon commissioning.
7.2	To supply the laboratory with one (1) set of Material Safety Data Sheet (MSDS)
7.3	To supply hardcopy of maintenance log with list of details of daily, weekly or scheduled maintenance
7.4	Vendor shall provide a valid **Certificate of Analysis** (CoA) for each batch/lot delivered.
8.0	**TRAINING**
8.1	On-site training for ALL staff members expected to handle the machine. Please ensure that adequate time is allocated such that training will take place in small groups to minimize staff shortage in the laboratory.
8.2	Certificate of competence is to be issued to all trainees after completion of training.
8.3	The successful tenderer needs to ensure the key users are updated on any relevant information related to the laboratory testing. They shall provide ONE off-site training for two (2) key users. All expenses for attending the training shall be borne by the vendor; full registration, air ticket, daily allowance, accommodation, transport to and from the airport and place of training. Training may be in the form of operator's training, workshop, congress, international conference including 3rd-party conference, or other forms of training that is deemed appropriate and relevant
8.4	Inviting speakers from overseas to give talks or presentations to the users on topics related to the laboratory testing as part of users' continuous education. Certificate of attendance is to be issued to all trainees after completion of training.
9	**FINANCIAL AGREEMENT**
9.1	A rental agreement is required over a period of one (1) year for the provision of the reagent kits as per estimated total costs for this contract. However, contract agreement shall be terminated when total expenditures of supplies exceed the estimated total costs regardless of one (1) year contract.

NO.	SPECIFICATIONS AND REQUIREMENTS
9.2	Supply of the test kit including reagents, consumables and accessories is based on the number of kits required in the Purchase Order according to an agreed schedule period.
9.3	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.
9.4	The equipment supplied should include reagents, consumables, calibrators, maintenance record sheet, maintenance cleaning kit and quality control for initially setting up of the instruments.
9.5	Should there be any discontinuity of reagents due to non-compliance in the manufacturing of reagents; the vendor must be able to provide an alternative so that the test requests are still available for the customers.
9.6	All costs incurred for the supply and delivery of test kit including reagents, consumables and accessories, equipment and other accessories required by the tender will be borne by the successful vendor.
9.7	**EXIT CLAUSE**: The tender contract shall be automatically terminated even though tender has not yet expired and this shall be in effect due to, but not limited to, the following: 1. When the testing is no longer required or relevant i.e. test is obsolete, to the laboratory or department. 2. When the item(s) set out in this tender is/are no longer required by the laboratory or the Department. 3. When the approved budget allocation for this tender contract has been used up before the tender contract expires whereby a renewal of tender shall be submitted by the user for an open advertisement subject to approval by the Mini Tender Board (*Lembaga Tawaran Kecil*).
10	**DELIVERY PERIOD:** Preferably 4 – 8 weeks and no later than 12 weeks after issue of Purchase Order
11	**PRICE VALIDITY:** The quotation shall remain valid for 12 MONTHS from the final date for the submission of the quotation and no supplier may withdraw his/her quotation within that period. The Government reserves the right to extend this period if deemed necessary provided that such extension to the quotation validity period shall have written consent of the supplier(s).

* 6 months validity required for <$50K or 12 months for >$50K

No.	GENERAL SPECIFICATIONS
A	**Model & Brand**
B	**Country of Origin**
C	**Total Price Per Test (CIF): B$**
D	**Price Ranking:**
E	**Where marketed**
F	**Year of Manufacture**
G	**Warranty:**
H	**Delivery Time:**
I	**Power Requirements:**
J	**Battery Back-up:**
K	**International Safety Standard:**
L	**Technical Support:**
M	**Equipment Whole Life Support**
N	**Dimensions (WxHxD) cm:**
O	**Weight (kg):**
P	**User Manuals**
Q	**Service Manuals**
R	**Spare-parts & Consumables Listing**
S	**Technical Training On-Site:**
T	**Site Requirements:**

*To all participating companies, please fill in the table above along with your other documents during submission of tender.

DELIVERY PERIOD AFTER PO ISSUED	**Preferably 4-8 weeks and no longer than 12 weeks**	
Lab/Section/Unit	NATIONAL CLINICAL MICROBIOLOGY REFERENCE LABORATORY	
Lab/Section/Unit Ref No.:	DLS/PU/MIC/2026/A50K/02_URINALYSIS	
Person to Contact	Name : NURUL ASIMAH HJ MORNI	
	E-mail : Asimah.morni@moh.gov.bn	
	Tel. No. : 2242424 ext. 6329	Fax No.: 2220869
FOR ADMINISTRATION USE ONLY		
PPM/PROC Ref. No.	PPM/PROC/2026/>50K/006(MIC)	
Advertisement Ref. No.		Date:

SCHEDULE 1

TENDER FORM

To:

TENDER REFERENCE NO: KK/82/2026/LAB

INVITATION TO TENDER
TO SUPPLY AND DELIVER REAGENTS AND CONSUMABLES WITH EQUIPMENT RENTAL FOR AUTOMATED URINE ANALYSER FOR NATIONAL CLINICAL MICROBIOLOGY REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF ONE (1) YEAR USAGE

TENDER OF (*name of tenderer*) _____

Company/Business Registration No. _____

Tender Closing Date _____

1. SUPPLY OF REAGENTS

1.1 To supply reagents and associated consumables (calibrators, controls, accessories and consumables) for the tests listed below.

APPENDIX A: SUMMARY OF UNIT PRICE OF REAGENT KIT
(To be completed by Vendor for submission)

	USER'S REQUIREMENTS			**VENDOR'S OFFER**					
NO.	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PACKAGING SIZE**	**TOTAL ESTIMATE USAGE / YEAR**	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PART/ CATALOGUE NUMBER AND BRAND**	**PACKAGING SIZE**	**TOTAL QUANTITY OFFERED / YEAR**	***COST PER UNIT (B$)**	**TOTAL COSTS (B$)**
1	**URINALYSIS TEST STRIPS** 1. Rapid determination of 11 parameters in urine. 2. Must include the following parameters:	**150 STRIPS/BOTTLE**	**500 BOTTLES**						

	USER'S REQUIREMENTS			VENDOR'S OFFER					
NO.	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PACKAGING SIZE**	**TOTAL ESTIMATE USAGE / YEAR**	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PART/ CATALOGUE NUMBER AND BRAND**	**PACKAGING SIZE**	**TOTAL QUANTITY OFFERED / YEAR**	***COST PER UNIT (B$)**	**TOTAL COSTS (B$)**
	i. pH ii. Specific gravity iii. Blood iv. Leukocytes v. Bilirubin vi. Urobilinogen vii. Ketones viii. Glucose ix. Protein x. Nitrite xi. Ascorbic acid 3. Must have been validated to be used with existing **automated** urine analyzers at the laboratory 4. Packed in hand-sized plastic tubes closed with desiccant cap to protect against humidity, good stability.								
2	**CUVETTES** 1. One-time use high optical quality polycarbonate chamber 2. Must have been validated to be used with existing **automated** urine sediment analyzer (Urised) at the laboratory 3. Volume: 200µL	**600 CUVETTES/BOX**	**60 BOXES**						

	USER'S REQUIREMENTS			VENDOR'S OFFER					
NO.	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PACKAGING SIZE**	**TOTAL ESTIMATE USAGE / YEAR**	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PART/ CATALOGUE NUMBER AND BRAND**	**PACKAGING SIZE**	**TOTAL QUANTITY OFFERED / YEAR**	***COST PER UNIT (B$)**	**TOTAL COSTS (B$)**
3	**QUALITY CONTROL FOR URINALYSIS, LEVEL 1** 1. Assayed, liquid human urine-based control to monitor assay precision for urine dipstick and microscopic tests 2. Must have been validated to be used with existing **automated** urine analyzers at the laboratory 3. Compatible with the QC data management program (item no.5) for inter-lab peer group data comparison, when required 4. Level 1 of 2	**12 VIALS X 12ML PER KIT**	**40 KITS**						
4	**QUALITY CONTROL FOR URINALYSIS, LEVEL 2** 1. Assayed, liquid human urine-based control to monitor assay precision for urine dipstick and microscopic tests 2. Must have been validated to be used with existing **automated** urine analyzers at the laboratory	**12 VIALS X 12ML PER KIT**	**40 KITS**						

	USER'S REQUIREMENTS			VENDOR'S OFFER					
NO.	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PACKAGING SIZE**	**TOTAL ESTIMATE USAGE / YEAR**	**ITEM DESCRIPTIONS AND SPECIFICATIONS**	**PART/ CATALOGUE NUMBER AND BRAND**	**PACKAGING SIZE**	**TOTAL QUANTITY OFFERED / YEAR**	***COST PER UNIT (B$)**	**TOTAL COSTS (B$)**
	3. Compatible with QC data management tool program (item no.5) for inter-lab peer group data comparison, when required 4. Level 2 of 2								
5	**Disposable non-sterile, graduated, capless polystyrene urine tube with conical base** 1. Dimension: 16.75mm x 109mm 2. Volume: 12 ml capacity 3. Must be compatible to be used with the existing automated urine analyser at the laboratory	**1000 PIECES PER CARTON**	**50 CARTONS**						

***Cost per test should include the kit, control, calibrator and accessories/consumables required to run the test.**

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
1.0	**PROVISION OF EQUIPMENT**	
	To provide two (2) units of walk-away, automated urine chemistry analyser and two (2) units of automated sediment analyser.	
2.0	**EQUIPMENT SPECIFICATION**	
2.1	**AUTOMATED URINE CHEMISTRY ANALYZER**	
2.1.1	Fully automated measurement process 240 tests/hour throughput.	
2.1.2	Advanced, patented detection technique for test strip evaluation and Physical Measurement Cell (PMC Unit) for physical parameters.	
2.1.3	No liquid detergents or calibrators.	
2.1.4	Loading of up to 100 samples possible; internal test strip container for 300 test strips.	
2.1.5	Sample dosage by pipetting unit; only 2 mL sample is required in test tube.	
2.1.6	User friendly and flexible software; easy operation via a big color touch screen.	
2.1.7	Automated QC analysis and maintenance procedures.	
2.1.8	Integration to laboratory or hospital information systems possible.	
2.2	**AUTOMATED SEDIMENT ANALYZER**	
2.2.1	Up to 120 tests/hour throughput.	
2.2.2	Maximum 10,000 results memory (including all images).	
2.2.3	Fully automated sample preparation.	
2.2.4	Whole view field microscopic images of sediment.	
2.2.5	Automatic sample identification and classification of urine particles.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
2.2.6	Subclasses can also be detected manually.	
2.2.7	Manual microscopy mode: Real time view of any viewfield of the cuvette to see moving microorganisms as well.	
2.2.8	Automated QC analysis and self-check.	
2.2.9	Low sample volume (minimum 2ml).	
2.2.10	Cost-effective operation without any special liquid reagents	
2.2.11	User friendly and flexible software which can be updated via USB stick.	
2.2.12	Streamlined documentation by LIS connectivity.	
3.0	**TECHNICAL SPECIFICATIONS**	
3.1	**AUTOMATED URINE CHEMISTRY**	
3.1.1	Dimensions: not more than 600mm (W) x 650mm (D) x 635mm (H)	
3.1.2	Weight: not more than 55 kg	
3.1.3	Input: 100-250V AC / 50-60 Hz	
3.1.4	Power consumption: 200w maximum	
3.1.5	Interfaces: USB, RS232 serial port, PS2, VGA	
3.1.6	Printer: Built-in thermal printer	
3.1.7	Barcode reader: Built-in barcode reader	
3.2	**AUTOMATED SEDIMENT ANALYZER**	
3.2.1	Dimensions: not more than 600mm (W) x 640mm (D) x 635mm (H)	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
3.2.2	Weight: not more than 63 kg	
3.2.3	Input: 100-250V AC / 50-60 Hz	
3.2.4	Power consumption: 200w maximum	
3.2.5	Interfaces: USB, RS232 serial port	
3.2.6	Barcode reader: Built-in barcode reader	
3.2.7	Printer: To print out urinalysis report	
4.0	**SERVICE AND AFTER SALES SUPPORT**	
4.1	All reagent test kits / consumables supplied throughout this tender shall have a minimum expiry date of **six (6) months on delivery**. Should the reagent or consumable be urgently needed, provision of a reagent test kit or consumable with expiry date of less than six (6) months should be first agreed by the User of the particular laboratory before delivery is made.	
4.2	Letter of Undertaking (LOU) shall be produced upon each delivery of test kit or consumable with expiry date of less than six (6) months and vendor shall declare in the LOU that unused, unopened, expired kits will be replaced accordingly. For items which are known to have short expiry date such as those containing red blood cells, list down all such items and vendor shall declare in this tender submission of such items and shall be exempted from submitting LOU upon delivery.	
4.3	Staggered delivery every 3 months period directly to the User.	
4.4	User shall have the rights to refuse delivery of items that do not meet the acceptance criteria such as, but not limited to, the following: 1. Tampered or damaged box 2. Leakage upon delivery 3. Items stored pre-delivery not in accordance to manufacturer's instructions 4. Expiry date not meeting requirement	
4.5	User shall have the rights to return any items, and to be replaced at no extra cost, if found not meeting the acceptance criteria upon opening a pack such as, but not limited to, the following:	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	1. Tampered or damaged packaging 2. Evident of leakage or damaged products 3. Expired products that are evidently less than the requirement mentioned in para 4.1 calculated from delivery date 4. Leakage upon delivery	
4.6	Vendor shall submit samples of the offered items directly to the Users no later than 7 days after the Closing Date of this advertisement or as required by the Users.	
4.7	Please supply details of the arrangement for 24-hour service support. There should preferably be remote diagnostic facility available. This should include the number of engineers and application specialist, their qualification/training with the system, response time during office hours, after office hours, weekdays and weekends.	
4.8	The supplier SHALL be responsible for the preventive maintenance (Weekly, Monthly, and Quarterly as needed) and breakdown maintenance of the analysers. Any breakdown should be quickly attended to within 2 hours.	
4.9	A copy of service report must be submitted to the laboratory whenever service work is done on the instrument.	
4.10	Spare parts SHALL be supplied by the supplier should any replacement is required during preventive and breakdown maintenance.	
4.11	Vendor shall aid the user with verification of a comprehensive methods performance for all of the tests listed above including, but not limited to, precision, accuracy, linearity, sensitivity, specificity, carryover, limit of detection or as required by the User depending on the nature of testing. Report of the verification study shall be submitted to the User for approval by the Director of Laboratory Services.	
4.12	In the event of test results cannot be produced due to equipment failure or unavailable reagent supplies within the specified turnaround time, the vendor shall arrange and bear all costs for analysis of tests to an accredited laboratory (ISO 15189).	
4.13	Vendor must provide technical support and assistance in the event of discrepancies or issues related to the QC results, the External Quality Assurance (EQA) program performance, and clinical specimen results.	
4.14	The vendor shall promptly replace, free of charge, any item found to be defective or non-compliant due to discrepancies in QC results, failures in external quality assessment (EQA) schemes, or issues identified through clinical specimen testing.	
5.0	**ENVIRONMENTAL AND INFRASTRUCTURE REQUIREMENTS**	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
5.1	The system shall occupy space not more than the present system in the laboratory. If any renovation (electrical and/or environmental) is required, costs shall be borne by Vendor.	
5.2	Should any renovation is required, Vendor shall comply with the Ministry's procedure for infection control risk assessment (ICRA), implementation and monitoring as set out in the document titled Construction and/or Renovation, Maintenance, Repair and Demolition in the Health Care Setting.	
5.3	Power and water requirements: No or low water consumption. If water is required, state how much and what purity, with provision of water purification system included. Please provide specification for power requirement. All costs for installing electrical and water requirements shall be borne by the Vendor. All the electrical wires shall be covered with PVC trunk properly for safety precautions.	
5.4	Electrical Safety – Vendor shall test for and maintain the electrical safety of all equipment and accessory devices installed throughout their usage period. This include conducting electrical safety testing upon installation & during preventive maintenance (at least every six (6) months) using calibrated device. Electrical safety testing report shall be submitted to the laboratory for acceptance.	
5.5	Temperature and humidity requirement: preferably 22 – 28 ^{o}C and up to 80% relative humidity.	
5.6	Floor area and drainage requirements: preferably adaptable to present facilities.	
5.7	Heat and noise generation: preferably less than 7,000 BTU per unit and ≤ 65 dBA at the front of the unit while at full operation.	
5.8	Low generation of hazardous chemical or biological waste.	
5.9	If biological liquid waste is generated, the supplier shall provide the following for suitable waste containers; i. Two waste containers shall be capped, have an inlet and outlet, easy to handle and do not hold more than 15L of liquid waste ii. When the production of waste liquid is more than 15L/day, a direct waste pipe shall be installed. A pre-dilution container shall be provided with easy access to add disinfectant and dispose of waste liquid. A preventive pipe shall be installed to prevent overflowing liquid waste from the waste containers Proper guidelines to disinfect the liquid waste that is acceptable to ISO 15189 shall be provided	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
5.10	The successful vendor shall keep the area behind of the equipment tidy and clean at all times. All wires and cables shall be properly covered using PVC trunk, flexible wire and cable cover or equivalent that is acceptable to the laboratory.	
6.0	**MISCELLANEOUS**	
6.1	All the reagents must remain stable throughout the shelf life when stored at their stated temperature.	
6.2	All the reagents must have a minimum shelf life of 12 months from the date of acceptance.	
6.3	Staggered delivery of reagents and consumables should be according to user schedule. Supplier should have other alternative in the case where supplier cannot fulfil the delivery on time.	
6.4	Any defect and contaminations occurring along the line should be replaced by the next shipment or at the earliest shipment.	
6.5	Should there be any discontinuity of reagents due to non-compliance in the manufacturing of reagents; the vendor must be able to provide an alternative so that the test requests are still available for the customers.	
7.0	**LITERATURE**	
7.1	To supply one (1) CD or one (1) set of hard copy of the Operating Manual and Service Manual including circuit diagrams of the equipment shall be provided upon commissioning.	
7.2	To supply the laboratory with one (1) set of Material Safety Data Sheet (MSDS)	
7.3	To supply hardcopy of maintenance log with list of details of daily, weekly or scheduled maintenance	
7.4	Vendor shall provide a valid **Certificate of Analysis** (CoA) for each batch/lot delivered.	
8.0	**TRAINING**	
8.1	On-site training for ALL staff members expected to handle the machine. Please ensure that adequate time is allocated such that training will take place in small groups to minimize staff shortage in the laboratory.	
8.2	Certificate of competence is to be issued to all trainees after completion of training.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
8.3	The successful tenderer needs to ensure the key users are updated on any relevant information related to the laboratory testing. They shall provide ONE off-site training for two (2) key users. All expenses for attending the training shall be borne by the vendor; full registration, air ticket, daily allowance, accommodation, transport to and from the airport and place of training. Training may be in the form of operator's training, workshop, congress, international conference including 3rd-party conference, or other forms of training that is deemed appropriate and relevant	
8.4	Inviting speakers from overseas to give talks or presentations to the users on topics related to the laboratory testing as part of users' continuous education. Certificate of attendance is to be issued to all trainees after completion of training.	
9	**FINANCIAL AGREEMENT**	
9.1	A rental agreement is required over a period of one (1) year for the provision of the reagent kits as per estimated total costs for this contract. However, contract agreement shall be terminated when total expenditures of supplies exceed the estimated total costs regardless of one (1) year contract.	
9.2	Supply of the test kit including reagents, consumables and accessories is based on the number of kits required in the Purchase Order according to an agreed schedule period.	
9.3	Buffer stock of the test kit including reagents, consumables and accessories should be available at the local representative as contingency.	
9.4	The equipment supplied should include reagents, consumables, calibrators, maintenance record sheet, maintenance cleaning kit and quality control for initially setting up of the instruments.	
9.5	Should there be any discontinuity of reagents due to non-compliance in the manufacturing of reagents; the vendor must be able to provide an alternative so that the test requests are still available for the customers.	
9.6	All costs incurred for the supply and delivery of test kit including reagents, consumables and accessories, equipment and other accessories required by the tender will be borne by the successful vendor.	
9.7	**EXIT CLAUSE**: The tender contract shall be automatically terminated even though tender has not yet expired and this shall be in effect due to, but not limited to, the following: 1. When the testing is no longer required or relevant i.e. test is obsolete, to the laboratory or department. 2. When the item(s) set out in this tender is/are no longer required by the	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	laboratory or the Department. 3. When the approved budget allocation for this tender contract has been used up before the tender contract expires whereby a renewal of tender shall be submitted by the user for an open advertisement subject to approval by the Mini Tender Board (*Lembaga Tawaran Kecil*).	
10	**DELIVERY PERIOD:** Preferably 4 – 8 weeks and no later than 12 weeks after issue of Purchase Order	**(Yes / No)** **(If No, please specify)**
11	**PRICE VALIDITY:** The quotation shall remain valid for 12 MONTHS from the final date for the submission of the quotation and no supplier may withdraw his/her quotation within that period. The Government reserves the right to extend this period if deemed necessary provided that such extension to the quotation validity period shall have written consent of the supplier(s).	

* 6 months validity required for <$50K or 12 months for >$50K

NO.	GENERAL SPECIFICATIONS	VENDOR'S OFFER
A	**Model & Brand**	
B	**Country of Origin**	
C	**Total Price Per Test (CIF): B$**	
D	**Price Ranking:**	(leave blank)
E	**Where marketed**	
F	**Year of Manufacture**	
G	**Warranty:**	
H	**Delivery Time:**	
I	**Power Requirements:**	
J	**Battery Back-up:**	
K	**International Safety Standard:**	
L	**Technical Support:**	
M	**Equipment Whole Life Support**	
N	**Dimensions (WxHxD) cm:**	
O	**Weight (kg):**	
P	**User Manuals**	
Q	**Service Manuals**	
R	**Spare-parts & Consumables Listing**	
S	**Technical Training On-Site:**	
T	**Site Requirements:**	

*To all participating companies, please fill in the table above along with your other documents during submission of tender.

1. We offer and undertake on your acceptance of our Tender to supply and deliver the above mentioned goods in accordance with your Invitation To Tender.

2. Our Tender is fully consistent with and does not contradict or derogate from anything in your Invitation To Tender. We have not qualified or changed any of the provisions of your Invitation To Tender.

3. We shall execute a formal agreement in the appropriate form set out in Section 4 – Contract of the Invitation to Tender together with such further terms and conditions, if any, agreed between the Government and us.

4. OUR OFFER IS VALID FOR **TWELVE (12)** CALENDER MONTHS FROM THE TENDER CLOSING DATE.

5. When requested by you, we shall extend the validity of this offer.

6. We further undertake to give you any further information which you may require.

Dated this_____day of_____, 20_____

_____ Tenderer's official stamp:

[Signature of authorised officer of Tenderer]

Name:

Designation: