TENDER REF. NO.: KK/156/2026/LAB(TC)

MINISTRY OF HEALTH

NEGARA BRUNEI DARUSSALAM

TO SUPPLY AND DELIVER MOLECULAR ASSAY WITH EQUIPMENT RENTAL FOR NATIONAL MYCOBACTERIA REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE(5) YEARS USAGE

TENDER FEE : $500.00

RECEIPT NO. :

CLOSING DATE : ON TUESDAY, 04th AUGUST 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/156/2026/LAB(TC)

TO SUPPLY AND DELIVER MOLECULAR ASSAY WITH EQUIPMENT RENTAL FOR NATIONAL MYCOBACTERIA REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE(5) YEARS USAGE

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

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
1	**Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC)** • Must have membrane strips coated with specific probes for molecular identification and differentiation of MTBC from cultured material (both liquid and solid culture material). • Each strip must include 2 control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Universal Control zone (UC)** which detects all mycobacteria and members of the group of gram-positive bacteria with a high G+C content. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20^{o}C to -18^{o}C b) **Hybridising reagents** - can be stored at 2^{o}C to 8^{o}C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.	**12 TEST/KIT**	**40 KITS**
2	**Molecular detection kit for Non-Typical Mycobacteria (NTM) - Common Species** • Must have membrane strips coated with specific probes for molecular detection of MTBC and differentiation of commonly encountered pathogenic NTMs (such as *M. avium, M. chelonae, M. abscessus complex, M. fortuitum group, M. gordonae, M. intracellulare, M. scrofulaceum, M. szulgai, M. interjectum, M. kansasii, M. malmoense, M. marinum/M. ulcerans*, and *M. xenopi*) from cultured material (both liquid and solid culture material). • Each strip must include 3 control zones: ✓ **Conjugate Control zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Internal Control zone (IC)** which documents a successful DNA extraction and amplification reaction.	**96 TEST/KIT**	**10 KITS**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	✓ **Genus Control zone (GC)** which documents the presence of a member of the genus Mycobacterium. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Internal Control DNA (IC)** – can be stored at -20°C to -18°C c) **Control DNA (C+)** – can be stored at -20°C to -18°C d) **Hybridising reagents** – can be stored at 2°C to 8°C • The same PCR product can directly be used for further differentiation using item 3. • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.		
3	**Molecular detection kit for Non-typical Mycobacteria (NTM)- less common species** • Must have membrane strips coated with specific probes for molecular detection and differentiation of less common clinically relevant NTMs (such as *M. simiae, M. mucogenicum, M. goodii, M. celatum*, *M. smegmatis, M. genavense, M. lentiflavum, M. heckeshornense, M. szulgai/M. intermedium, M. phlei, M. haemophilum, M. kansasii, M. ulcerans, M. gastri, M. asiaticum*, and *M. shimoidei*) from cultured material (both liquid and solid culture material). • Each strip must include 3 control zones: ✓ **Conjugate Control zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Internal Control zone (IC)** which documents a successful DNA extraction and amplification reaction. ✓ **Genus Control zone (GC)** which documents the presence of a member of the genus Mycobacterium. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Internal Control DNA (IC)** – can be stored at -20°C to -18°C b) **Control DNA (C+)** – can be stored at -20°C to -18°C c) **Hybridising reagents** – can be stored at 2°C to 8°C	**12 TEST/KIT**	**16 KITS**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	• Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.		
4	**Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC) and resistance genes to first line drugs** • Must have membrane strips coated with specific probes for molecular identification of resistance to rifampicin and/or isoniazid for MTBC from decontaminated pulmonary and/or culture samples (both liquid and solid culture). • Each strip must include the following control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Amplification Control zone (AC)** to check for successful amplification reaction. ✓ **Three (3) Locus Control zones (*rpoB, katG* and *inhA*)** checking the optimal sensitivity of the reaction for each of the tested gene loci. • Each kit must have the following reagents: a) **Amplification Mixes** - can be stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4. • Inclusive of DNA extraction kit	**96 TEST/KIT**	**9 KITS**
5	**Molecular detection kit for Non-typical Mycobacteria (NTM) and resistance genes to drugs** • Must have membrane strips coated with specific probes for detection of resistance to macrolides and aminoglycosides in various NTM species (such as *M. intracellulare, M. chimaera, M. avium, M. abscessus* subspecies, and *M. chelonae*) from bacteria grown on liquid and/or solid medium. • Each strip must include the following control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Amplification Control zone (AC)** to check for successful amplification reaction. ✓ **Three (3) Locus Control zones (*erm(41), rrl* and *rrs*)** checking the optimal sensitivity of the reaction for each of the tested gene loci.	**12 TEST/ KIT**	**32 KITS**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	• Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.		
6	**Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC) and resistance genes to second line drugs** • Must have membrane strips coated with specific probes for molecular identification of resistance to fluoroquinolones, aminoglycosides/cyclic peptides (and ethambutol) for MTBC from decontaminated pulmonary and/or culture samples (both liquid and solid culture). • Each strip must include the following control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Amplification Control zone (AC)** to check for successful amplification reaction. ✓ **Four (4) Locus Control zones (*gyrA, gyrB, rrs* and *eis*)** checking the optimal sensitivity of the reaction for each of the tested gene loci. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.	**12 TEST/KIT**	**2 KITS**
7	**DNA extraction kit** • For extraction of highly purified genomic bacterial DNA in only three (3) quick steps. • Both pulmonary and non-pulmonary samples can be used as starting material. • Compatible with decontaminated specimens, liquid culture and solid culture. • DNA product (extracts) can be used for further investigations using item 1 to item 6. • All kit components are ready-to-use and distinguishable by colour.	**96 TEST/KIT**	**36 KITS**
8	**Rapid detection of *Mycobacterium tuberculosis* complex (MTBC) kit**	**25 TEST/KIT**	**60 KITS**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	• A rapid immunochromatographic in vitro test for qualitative detection of the MTBC antigen MPT64 from bacteria grown in liquid and/or solid medium. • Each device must contain lateral flow strip coated with monoclonal anti-MPT64 antibodies and with monoclonal anti-MPT64 antibodies conjugated to gold particles. • Each lateral flow test strip must include a control zone C to check for correct performance of the test. • Ease of use: Just one single pipetting of culture sample to the lateral flow device • Must be individually sealed in foil pouch containing desiccant to protect against humidity and good stability. • Test time: <30mins • Can be stored at 2-40^{o}C		
9	**PCR tube, 0.2ml, disposable** **Domed cap** • **Working volume:** 0.2ml • **Material:** Polypropylene (PP) for both tube and cap • **Sterility:** Sterile, DNase and RNase-free • **Base shape:** Conical base • **Cap & Closure type:** Attached, domed cap • **Size:** Diameter – 6.3mm Height – 20.5mm • **Colour:** Transparent • Disposable with no graduation	**1000 PIECES/ PACK**	**6 PACKS**
10	**PCR tube, 1.5ml, disposable** **Screw top** • **Working volume:** 1.5ml • **Material:** Polypropylene (PP) for both tube and cap • **Sterility:** Sterile, DNase and RNase-free • **Centrifugation:** RCF up to 20,000 × g • **Base shape:** Conical base • **Cap & Closure type:** Standard screw cap • **Size:** Diameter – 10.8mm Length – 44mm • **Colour:** Transparent • **O-ring material:** Ethylene propylene diene rubber (EPDM) • Disposable with no graduation	**1000 PIECES/PACK**	**6 PACKS**
11	**10µl extended length pipette tips** • **Volume:** 10ul • **Filtered:** Yes • **Length:** 1.71 inch • **Sterility:** Sterile, RNase & DNase free, PCR Ready • **Tip style:** Extended Length • **Packing format:** Hinged Rack (not compulsory but if available will be an advantage) • **Compatibility:** Universal Fit Pipettor	**960 PIECES/PACK**	**6 PACKS**
12	**200ul extended length pipette tips** • **Volume:** 200ul • **Filtered:** Yes • **Length:** 3.6 inch	**768 PIECES/ PACK**	**16 PACKS**

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	PACKAGING SIZE	TOTAL ESTIMATE USAGE / YEAR
	• **Sterility:** Sterile, RNase & DNase free, PCR Ready • **Tip style:** Extended Length • **Packing format:** Hinged Rack (not compulsory but if available will be an advantage) • **Compatibility:** Universal Fit Pipettor		
13	**1000µl extended length pipette tips** • **Volume:** 1000ul • **Filtered:** Yes • **Length:** 4.7 inch • **Sterility:** Sterile, RNase & DNase free, PCR Ready • **Tip style:** Extended Length • **Packing format:** Hinged Rack (not compulsory but if available will be an advantage) • **Compatibility:** Universal Fit Pipettor	**768 PIECES/ PACK**	**8 PACKS**
14	**Tray for GT-Blot 48** • **Capacity**: up to 48 samples • **Color:** Black • **Compatibility**: Can be used with the analyser described in Equipment Specifications, No. 2.3	**PIECES**	**100 PIECES**

NO.	SPECIFICATIONS AND REQUIREMENTS
1.0	**PROVISION OF EQUIPMENT**
1.1	Supply, deliver, install, commission and provide preventive maintenance (PPM) free of charge to the Government of one (1) **NEW** and complete unit of the Molecular Assay for Mycobacterial Identification Series System which includes: 1. Two (2) units of thermal cycler with uninterruptible power supply (UPS) and voltage stabilizer 2. One (1) unit GT48 hybridization System (Automated) with UPS and voltage stabiliser 3. One (1) unit Twincubator with hybridization of samples (Manual Backup) with voltage stabiliser 4. One (1) unit Dri-Block Heater with calibrated external thermometer 5. Two (2) units Stainless Steel Water Bath with lid with calibrated external thermometers and voltage stabiliser 6. One (1) unit Hi-Speed Centrifuge for microtubes with voltage stabiliser 7. One (1) unit Biomedical Range Freezer with calibrated external thermometer, UPS and voltage stabiliser 8. One (1) unit Single Door Fridge with calibrated external thermometer, UPS and voltage stabiliser 9. One (1) unit Water Purification System with voltage stabiliser 10. One (1) unit Laptop 11. One (1) unit 3 in 1 colour printer, photocopier and scanner 12. Six (6) units 1-10µl variable pipettes 13. Eight (8) units 20-200µl variable pipettes 14. Sixteen (16) units 100-1000µl variable pipettes 15. Eight (8) units 5µl fixed volume pipettes 16. Four (4) units 100µl fixed volume pipettes 17. Four (4) units 500µl fixed volume pipettes 18. Four (4) units 1000µl fixed volume pipettes
2.0	**EQUIPMENT SPECIFICATION**
2.1	**<u>Thermal Cycler 1</u>** **Capacity** : Minimum of 24 samples **Sample volume** : 2-150ul **Programme Storage** : Minimum of 99 programmes **Heated lid** : 112 – 120^{o}C **Peltier elements** : 2 **Thermal block material** : Nickel-coated aluminium **Temperature range** : 4 – 99^{o}C in steps of 0.1^{o}C **Heating/cooling rate** : Up to 3^{o}C/s **Dimensions** : Must not exceed 18.5 x 24 x 24cm (W × D × H) **Weight** : Approx. 6kg **Power supply** : 100 – 240V, 50/60 Hz **UPS** : Yes **Voltage stabiliser** : Yes
2.2	**<u>Thermal Cycler 2</u>** **Capacity** : Minimum of the following: ▪ 60 samples of 0.5ml ▪ 96 samples of 0.2ml **Programme Storage** : Minimum of 50 programmes **Maximum hold time** : 99 hours **Minimum hold time** : 1 second **Auto restart on power failure** : Yes **Heated lid** : 100^{o}C to 115^{o}C **Temperature range** : 4 – 99^{o}C **Heating/cooling rate** : Up to 3^{o}C **Dimensions** : Must not exceed 8.7 x 16.5 x 10.2 inches (W × D × H) **Power supply** : 230/115V, 50-60Hz, 620W

NO.	SPECIFICATIONS AND REQUIREMENTS
	UPS : Yes **Voltage stabiliser** : Yes
2.3	**GT48 hybridization System (Automated)** **Capacity** : Up to 48 samples **Pipetting volume** : 1.0 – 4.0ml **Dispensing channels** : 6 **Size** : Must not exceed 64 x 62 x 45 cm (W x D x H) **Weight** : Must not exceed 50kg **Power supply:** : 220 – 240V Europe, 110 – 120V USA, 50/60Hz **Features** : Fully automated hybridization of 1 – 48 test strips, Minimum hands-on-time : Novel heating system and high-quality system components : Color-coded reagent containers : User-friendly software : Automated recirculation of the remaining fluid **UPS** : Yes **Voltage stabiliser** : Yes
2.4	**Twincubator** **Capacity** : Up to 12 samples **Programme storage** : Minimum of 9 programs with at least 20 steps **Temperature range** : 4 - 105°C in steps of 1°C **Heating rate** : 0.3°C/s **Cooling rate** : 0.2°C/s **Size** : Must not exceed 27.5 × 32.5 × 21 cm (W × D × H) **Weight** : Must not exceed 15 kg **Power Supply** : 100 - 240 V, 50/60Hz **Features** : Hybridization for 1 - 12 test strips : Minimal risk of contaminations : High quality Peltier elements guarantee accurate heating and cooling rates and thus enable optimal hybridization conditions : Pre-installed temperature profile for processing of the molecular tests : Acoustic signals for required changes of reagents simplify the hybridization procedure **Voltage stabiliser** : Yes
2.5	**Dri-Block Heater** **Temperature Range** : Ambient to 100°C **Temperature Stability** : @40º: ±0.05ºC, @ 100ºC: ±0.1ºC **Temperature Setting** : Rotary knob **Temperature Scale Graduation** : 2°C **Maximum temperature variation between identical blocks** : 0.2°C at 40°C **Set Point Accuracy** : ±2°C **Maximum Number of Blocks** : 2 **Heat up time at 30-37°C** : Must not exceed 8 minutes **Heat up time at 30-max°C** : Must not exceed 12 minutes **Dimensions** : Must not exceed 202 x 260 x 105mm (W x D x H) **Electrical supply** : 230V or 115V 50-60Hz **External thermometer (calibrated)** : Yes
2.6	**Stainless Steel Water Bath with Lid** **Chamber Material** : Stainless Steel **Capacity** : 10L

NO.	SPECIFICATIONS AND REQUIREMENTS	
	Display	: Monochrome LCD
	Temperature Stability	: ± 0.2^{o}C
	Interior Dimensions	: Must not exceed 393 x 383 x 233mm (D x W x H)
	Power Supply	: 120V / 230V
	Controller Type	: Digital
	Temperature Range	: Ambient to 100^{o}C
	Heating Capacity	: 800W
	Features	: Drain tap/valve with hose tail for fast and easy emptying and cleaning : Temperature presets for commonly used settings : Enhanced hinge design supports open lid configuration and easy lid removal
	Voltage stabiliser	: Yes
	External thermometer (calibrated)	: Yes
2.7	**<u>Hi-Speed Centrifuge for Microtubes</u>**	
	Sample Capacity	: minimum of 24 samples
	Sample Volume	: 1.5 – 2ml
	Maximum RPM/RCF	: 15,000 / 21,382
	Operation:	: Keypad and control knob
	Dimensions	: must not exceed 10 x 11 x 22 inches (H x W x D)
	Features	: 24-place angle rotor with bio-containment lid : Robust & steady
	Voltage stabiliser	: Yes
2.8	**<u>Biomedical Range Freezer</u>**	
	Capacity	: Minimum of 92L
	Net/Gross Weight	: Must not exceed 46 / 51kg
	Dimensions	: Must not exceed 597 x 610 x 860mm (W x D x H)
	Temperature Range (^{o}C)	: -25 to -30
	Cooling Performance (^{o}C)	: -25
	Cabinet Type	: Upright
	Cooling Type	: Direct cooling
	Defrost Mode	: Manual
	Refrigerant	: HC
	Noise Lever (dB)	: 40
	Power Supply (V/Hz)	: 220 – 240/50
	Power (W)	: 77
	Electrical Current (A)	: 0.35
	Controller	: Microprocessor
	Display	: LED
	High/Low Temperature	: Yes
	Sensor Error	: Yes
	UPS	: Yes
	Voltage stabiliser	: Yes
	External thermometer (calibrated)	: Yes
2.9	**<u>Single Door Fridge</u>**	
	Capacity	: Minimum of 714L
	Temperature Range / Set Point (^{o}C)	: 2 – 10 / 5
	Interior Dimensions	: Must not exceed 628 x 1476 x 762mm (W x H x D)
	Exterior Dimensions	: Must not exceed 737 x 1989 x 715mm (W x H x D)
	Storage	: 1 Ventilated Shelf, 6 Ventilated Pull-Out Drawers
	Power Supply	: 220 - 240V 50-60Hz
	Net Weight	: Must not exceed 234kg

NO.	SPECIFICATIONS AND REQUIREMENTS
	Display : Horizon LED Alarm/Monitor **Noise Emission** : Must not exceed 49 dB **Energy Efficiency** : 3.01 kWh/day **Certifications/Regulatory Approvals** : Minimum of QPS (Certified to UL and CSA Standards), IEC/UL61010-2-011 (Dec 2016), CE 0086, and RoHS, or equivalent **UPS** : Yes **Voltage stabiliser** : Yes **External thermometer (calibrated)** : Yes
2.10	**Water Purification System** **Rejection Rate of Microorganisms** : >99% **Power Supply** : 100 – 240V **Installation Option** : Benchtop **Product Water Resistivity (at 25ºC)** : <5 -15 MΩ × cm **Water Dispensing Flow Rate (Type 1)** : 5L/h **Features:** : Easy to navigate touch-based user interface (Even with gloves) : Direct connection to potable feed water Source **Voltage stabiliser** : Yes
2.11	**Laptop** ▪ Equipped with latest Windows software ▪ Compatible with equipment listed under section **EQUIPMENT SPECIFICATION** 2.12
2.12	**3 in 1 colour printer, photocopier and scanner** ▪ Printer – double sided printing with supply of both black and coloured ink cartridges ▪ Compatible with equipment listed under section **EQUIPMENT SPECIFICATION** 2.11
2.13	**Clinical Laboratory Grade Pipettes** ▪ Mechanical, single channel pipettor with finger rest and tip ejection system ▪ Able to decontaminate pipettes without disassembly ▪ Fully autoclavable up to 121°C ▪ Resistant to alcohol and chlorine-based disinfectants ▪ CE marked in accordance with IVD Directive in Europe or equivalent ▪ Inclusive of pipettor rack stands ▪ Periodic calibration every 6 months at an ISO 17025-certified calibration laboratory. Advantage if internal component cleaning is provided. ▪ Compatible with items 11, 12, and 13 ▪ All pipettes covered under this contract are intended for any laboratory work within the National Mycobacteria Reference Laboratory facilities, including the Sumbiling and CMDLID (Tutong) locations.
3.0	**TECHNICAL SPECIFICATIONS**
3.1	**Main System** 3.1.1 An on-board trouble- shooting guide should be available. 3.1.2 List details on daily and periodic maintenance including time required to perform the maintenance and to restart analysis. 3.1.3 Calibration and periodic temperature checks are available.
3.2	**Reagent System** 3.2.1 State the shelf-life of individual test reagents and the handlings of short- life reagents (willing to replace those reagents nearer to expiry date if not used up). 3.2.2 The operator should carry out nil or minimum reagent preparation. 3.2.3 A reagent inventory should be kept and updated in real- time. 3.2.4 Stock of the test kit and accessories should be available at the local representative as contingency.

NO.	SPECIFICATIONS AND REQUIREMENTS
3.3	All other consumables and reagents that are required to run the tests to be included free of charge.
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 (or as required) 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
4.6	Vendor shall submit samples of the offered items (if required) 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 (Weekly, Monthly, and Quarterly as needed) and/or corrective maintenance and breakdown maintenance of the analyzers and equipments provided under section **PROVISION OF EQUIPMENT** 1.1. Any breakdown should be quickly attended to within the day.
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	Backup is particularly important for all aspects of the system. The proposed system should be provided with backup instruments and should be able to perform the same test parameters.
4.12	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	All reagents and consumables used for troubleshooting and/or verification studies are borne by the Vendor.

NO.	SPECIFICATIONS AND REQUIREMENTS
4.13	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).
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 be 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 as per WHO or OSHA recommendations or equivalent
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
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	If in any event where the laboratory needs to be relocated, the supplier is responsible to decontaminate, transport and recommission the equipments where applicable. This includes method validation of the instrument, connectivity to BruHIMS and resetting of the analysers to the new lab location.
7.0	**LITERATURE**
7.1	To supply one (1) digital copy and/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 digital and /or hardcopy of maintenance log with list of details of daily, weekly or scheduled maintenance

NO.	SPECIFICATIONS AND REQUIREMENTS
8.0	**TRAINING**
8.1	Training shall be provided, at no additional cost, as follows: On-site training for ALL staff members expected to handle the machine(s). 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 TWO 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 five (5) years 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 five (5) years 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 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 MYCOBACTERIA REFERENCE LABORATORY	
Lab/Section/Unit Ref No.:	DLS/PU/MYB/2026/A50K/001	
Person to Contact	Name : DK AISHAH PG HJ MUHD SAZALI	
	E-mail : Aishah.sazali@moh.gov.bn	
	Tel. No. : 7281095	Fax No.:
FOR ADMINISTRATION USE ONLY		
PPM/PROC Ref. No.	PPM/PROC/2026/>50K/011(NMRL)	
Advertisement Ref. No.		Date:

SECTION 3

FORMS TO BE USED

CONTENTS

SCHEDULE 1

TENDER FORM

To:

TENDER REFERENCE NO: KK/156/2026/LAB(TC)

INVITATION TO TENDER
TO SUPPLY AND DELIVER MOLECULAR ASSAY WITH EQUIPMENT RENTAL FOR NATIONAL MYCOBACTERIA REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE(5) YEARS USAGE

TENDER OF (*name of tenderer*) _____

Company/Business Registration No _____

Tender Closing Date _____

DELIVERY PERIOD	

	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	**Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC)** • Must have membrane strips coated with	**12 TEST/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$)**	**TOTAL COSTS (B$)**
	specific probes for molecular identification and differentiation of MTBC from cultured material (both liquid and solid culture material). • Each strip must include 2 control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Universal Control zone (UC)** which detects all mycobacteria and members of the group of gram-positive bacteria with a high G+C content. • Each kit must have the following reagents: a) **Amplification Mixes** – can be								

	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$)**	**TOTAL COSTS (B$)**
	stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.								
2	**Molecular detection kit for Non-Typical Mycobacteria (NTM) - Common Species** • Must have membrane strips coated with specific probes for molecular detection of MTBC and differentiation of commonly encountered pathogenic NTMs (such as *M. avium, M. chelonae, M.*	**96 TEST/KIT**	**10 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$)**	**TOTAL COSTS (B$)**
	abscessus complex, M. fortuitum group, M. gordonae, M. intracellulare, M. scrofulaceum, M. szulgai, M. interjectum, M. kansasii, M. malmoense, M. marinum/M. ulcerans, and *M. xenopi*) from cultured material (both liquid and solid culture material). • Each strip must include 3 control zones: ✓ **Conjugate Control zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Internal Control zone (IC)** which documents a successful DNA extraction and amplification reaction. ✓ **Genus Control zone (GC)** which								

	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$)**	**TOTAL COSTS (B$)**
	documents the presence of a member of the genus Mycobacterium. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Internal Control DNA (IC)** – can be stored at -20°C to -18°C c) **Control DNA (C+)** – can be stored at -20°C to -18°C d) **Hybridising reagents** – can be stored at 2°C to 8°C • The same PCR product can directly be used for further differentiation using item 3. • Must be validated to be								

	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$)**	**TOTAL COSTS (B$)**
	used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.								
3	**Molecular detection kit for Non-typical Mycobacteria (NTM)-less common species** • Must have membrane strips coated with specific probes for molecular detection and differentiation of less common clinically relevant NTMs (such as *M. simiae, M. mucogenicum, M. goodii, M. celatum*, *M. smegmatis, M. genavense, M. lentiflavum, M. heckeshornense, M. szulgai/M. intermedium, M. phlei, M. haemophilum, M.*	**12 TEST/KIT**	**16 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$)**	**TOTAL COSTS (B$)**
	kansasii, M. ulcerans, M. gastri, M. asiaticum, and *M. shimoidei*) from cultured material (both liquid and solid culture material). • Each strip must include 3 control zones: ✓ **Conjugate Control zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Internal Control zone (IC)** which documents a successful DNA extraction and amplification reaction. ✓ **Genus Control zone (GC)** which documents the presence of a member of the genus Mycobacterium. • Each kit must have the								

	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$)**	**TOTAL COSTS (B$)**
	following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Internal Control DNA (IC)** – can be stored at -20°C to -18°C b) **Control DNA (C+)** – can be stored at -20°C to -18°C c) **Hybridising reagents** – can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.								
4	**Molecular detection kit for *Mycobacterium***	**96 TEST/KIT**	**9 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$)**	**TOTAL COSTS (B$)**
	***tuberculosis* complex (MTBC) and resistance genes to first line drugs** • Must have membrane strips coated with specific probes for molecular identification of resistance to rifampicin and/or isoniazid for MTBC from decontaminated pulmonary and/or culture samples (both liquid and solid culture). • Each strip must include the following control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Amplification Control zone (AC)** to check for successful amplification reaction. ✓ **Three (3) Locus**								

	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$)**	**TOTAL COSTS (B$)**
	Control zones (*rpoB, katG* and *inhA*) checking the optimal sensitivity of the reaction for each of the tested gene loci. • Each kit must have the following reagents: a) **Amplification Mixes** - can be stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.								

	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$)**	**TOTAL COSTS (B$)**
	• Inclusive of DNA extraction kit								
5	**Molecular detection kit for Non-typical Mycobacteria (NTM) and resistance genes to drugs** • Must have membrane strips coated with specific probes for detection of resistance to macrolides and aminoglycosides in various NTM species (such as *M. intracellulare, M. chimaera, M. avium, M. abscessus* subspecies, and *M. chelonae*) from bacteria grown on liquid and/or solid medium. • Each strip must include the following control zones: ✓ **Conjugate Control Zone (CC)** to check the binding of the conjugate on the strip and a correct chromogenic	**12 TEST/ KIT**	**32 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$)**	**TOTAL COSTS (B$)**
	reaction. ✓ **Amplification Control zone (AC)** to check for successful amplification reaction. ✓ **Three (3) Locus Control zones (*erm(41)*, *rrl* and *rrs*)** checking the optimal sensitivity of the reaction for each of the tested gene loci. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be used with the DNA extraction reagents described in item 7.								

	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$)**	**TOTAL COSTS (B$)**
	• Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.								
6	**Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC) and resistance genes to second line drugs** • Must have membrane strips coated with specific probes for molecular identification of resistance to fluoroquinolones, aminoglycosides/cyclic peptides (and ethambutol) for MTBC from decontaminated pulmonary and/or culture samples (both liquid and solid culture). • Each strip must include the following control zones: ✓ **Conjugate Control Zone (CC)** to check	**12 TEST/KIT**	**2 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$)**	**TOTAL COSTS (B$)**
	the binding of the conjugate on the strip and a correct chromogenic reaction. ✓ **Amplification Control zone (AC)** to check for successful amplification reaction. ✓ **Four (4) Locus Control zones (*gyrA*, *gyrB*, *rrs* and *eis*)** checking the optimal sensitivity of the reaction for each of the tested gene loci. • Each kit must have the following reagents: a) **Amplification Mixes** – can be stored at -20°C to -18°C b) **Hybridising reagents** - can be stored at 2°C to 8°C • Must be validated to be								

	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$)**	**TOTAL COSTS (B$)**
	used with the DNA extraction reagents described in item 7. • Kit must be compatible to be used with the analyser described in Equipment Specifications, No. 2.3 and 2.4.								
7	**DNA extraction kit** • For extraction of highly purified genomic bacterial DNA in only three (3) quick steps. • Both pulmonary and non-pulmonary samples can be used as starting material. • Compatible with decontaminated specimens, liquid culture and solid culture. • DNA product (extracts) can be used for further investigations using item 1 to item 6. • All kit components are ready-to-use and distinguishable by	**96 TEST/KIT**	**36 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$)**	**TOTAL COSTS (B$)**
	colour.								
8	**Rapid detection of *Mycobacterium tuberculosis* complex (MTBC) kit** • A rapid immunochromatographic in vitro test for qualitative detection of the MTBC antigen MPT64 from bacteria grown in liquid and/or solid medium. • Each device must contain lateral flow strip coated with monoclonal anti-MPT64 antibodies and with monoclonal anti-MPT64 antibodies conjugated to gold particles. • Each lateral flow test strip must include a control zone C to check for correct performance of the test. • Ease of use: Just one	**25 TEST/KIT**	**60 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$)**	**TOTAL COSTS (B$)**
	single pipetting of culture sample to the lateral flow device • Must be individually sealed in foil pouch containing desiccant to protect against humidity and good stability. • Test time: <30mins • Can be stored at 2-40^{o}C								
9	**PCR tube, 0.2ml, disposable** **Domed cap** • **Working volume:** 0.2ml • **Material:** Polypropylene (PP) for both tube and cap • **Sterility:** Sterile, DNase and RNase-free • **Base shape:** Conical base • **Cap & Closure type:** Attached, domed cap • **Size:** Diameter – 6.3mm Height – 20.5mm • **Colour:** Transparent	**1000 PIECES/ PACK**	**6 PACKS**						

	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$)**	**TOTAL COSTS (B$)**
	• Disposable with no graduation								
10	**PCR tube, 1.5ml, disposable** **Screw top** • **Working volume:** 1.5ml • **Material:** Polypropylene (PP) for both tube and cap • **Sterility:** Sterile, DNase and RNase-free • **Centrifugation:** RCF up to 20,000 × g • **Base shape:** Conical base • **Cap & Closure type:** Standard screw cap • **Size:** Diameter – 10.8mm Length – 44mm • **Colour:** Transparent • **O-ring material:** Ethylene propylene diene rubber (EPDM) • Disposable with no graduation	**1000 PIECES/PACK**	**6 PACKS**						
11	**10µl extended length pipette tips** • **Volume:** 10ul	**960 PIECES/PACK**	**6 PACKS**						

	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$)**	**TOTAL COSTS (B$)**
	• **Filtered:** Yes • **Length:** 1.71 inch • **Sterility:** Sterile, RNase & DNase free, PCR Ready • **Tip style:** Extended Length • **Packing format:** Hinged Rack (not compulsory but if available will be an advantage)**Compatibility:** Universal Fit Pipettor								
12	**200ul extended length pipette tips** • **Volume:** 200ul • **Filtered:** Yes • **Length:** 3.6 inch • **Sterility:** Sterile, RNase & DNase free, PCR Ready • **Tip style:** Extended Length • **Packing format:** Hinged Rack (not compulsory but if available will be an advantage) • **Compatibility:** Universal Fit Pipettor	**768 PIECES/ PACK**	**16 PACKS**						

	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$)**	**TOTAL COSTS (B$)**
13	**1000µl extended length pipette tips** • **Volume:** 1000ul • **Filtered:** Yes • **Length:** 4.7 inch • **Sterility:** Sterile, RNase & DNase free, PCR Ready • **Tip style:** Extended Length • **Packing format:** Hinged Rack (not compulsory but if available will be an advantage) • **Compatibility:** Universal Fit Pipettor	**768 PIECES/ PACK**	**8 PACKS**						
14	**Tray for GT-Blot 48** • **Capacity**: up to 48 samples • **Color:** Black • **Compatibility**: Can be used with the analyser described in Equipment Specifications, No. 2.3	**PIECES**	**100 PIECES**						
TOTAL COST PER YEAR (B$)									
TOTAL COST FOR FIVE (5) YEARS (B$)									

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
1.0	**PROVISION OF EQUIPMENT**	
1.1	Supply, deliver, install, commission and provide preventive maintenance (PPM) free of charge to the Government of one (1) **NEW** and complete unit of the Molecular Assay for Mycobacterial Identification Series System which includes: 1. Two (2) units of thermal cycler with uninterruptible power supply (UPS) and voltage stabilizer 2. One (1) unit GT48 hybridization System (Automated) with UPS and voltage stabiliser 3. One (1) unit Twincubator with hybridization of samples (Manual Backup) with voltage stabiliser 4. One (1) unit Dri-Block Heater with calibrated external thermometer 5. Two (2) units Stainless Steel Water Bath with lid with calibrated external thermometers and voltage stabiliser 6. One (1) unit Hi-Speed Centrifuge for microtubes with voltage stabiliser 7. One (1) unit Biomedical Range Freezer with calibrated external thermometer, UPS and voltage stabiliser 8. One (1) unit Single Door Fridge with calibrated external thermometer, UPS and voltage stabiliser 9. One (1) unit Water Purification System with voltage stabiliser 10. One (1) unit Laptop 11. One (1) unit 3 in 1 colour printer, photocopier and scanner 12. Six (6) units 1-10µl variable pipettes 13. Eight (8) units 20-200µl variable pipettes 14. Sixteen (16) units 100-1000µl variable pipettes 15. Eight (8) units 5µl fixed volume pipettes 16. Four (4) units 100µl fixed volume pipettes 17. Four (4) units 500µl fixed volume pipettes 18. Four (4) units 1000µl fixed volume pipettes	
2.0	**EQUIPMENT SPECIFICATION**	
2.1	**<u>Thermal Cycler 1</u>** **Capacity** : Minimum of 24 samples **Sample volume** : 2-150ul **Programme Storage** : Minimum of 99 programmes **Heated lid** : 112 – 120^{o}C	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	Peltier elements : 2 **Thermal block material** : Nickel-coated aluminium **Temperature range** : 4 – 99°C in steps of 0.1°C **Heating/cooling rate** : Up to 3°C/s **Dimensions** : Must not exceed 18.5 x 24 x 24cm (W × D × H) **Weight** : Approx. 6kg **Power supply** : 100 – 240V, 50/60 Hz **UPS** : Yes **Voltage stabiliser** : Yes	
2.2	**Thermal Cycler 2** **Capacity** : Minimum of the following: ▪ 60 samples of 0.5ml ▪ 96 samples of 0.2ml **Programme Storage** : Minimum of 50 programmes **Maximum hold time** : 99 hours **Minimum hold time** : 1 second **Auto restart on power failure** : Yes **Heated lid** : 100°C to 115°C **Temperature range** : 4 – 99°C **Heating/cooling rate** : Up to 3°C **Dimensions** : Must not exceed 8.7 x 16.5 x 10.2 inches (W×D×H) **Power supply** : 230/115V, 50-60Hz, 620W **UPS** : Yes **Voltage stabiliser** : Yes	
2.3	**GT48 hybridization System (Automated)** **Capacity** : Up to 48 samples **Pipetting volume** : 1.0 – 4.0ml **Dispensing channels** : 6 **Size** : Must not exceed 64 x 62 x 45 cm (W x D x H) **Weight** : Must not exceed 50kg **Power supply:** : 220 – 240V Europe, 110 – 120V USA, 50/60Hz	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	Features : Fully automated hybridization of 1 – 48 test strips, Minimum hands-on-time : Novel heating system and high-quality system components : Color-coded reagent containers : User-friendly software : Automated recirculation of the remaining fluid **UPS** : Yes **Voltage stabiliser** : Yes	
2.4	**Twincubator** **Capacity** : Up to 12 samples **Programme storage** : Minimum of 9 programs with at least 20 steps **Temperature range** : 4 - 105°C in steps of 1°C **Heating rate** : 0.3°C/s **Cooling rate** : 0.2°C/s **Size** : Must not exceed 27.5 × 32.5 × 21 cm (W×D×H) **Weight** : Must not exceed 15 kg **Power Supply** : 100 - 240 V, 50/60Hz **Features** : Hybridization for 1 - 12 test strips : Minimal risk of contaminations : High quality Peltier elements guarantee accurate heating and cooling rates and thus enable optimal hybridization conditions : Pre-installed temperature profile for processing of the molecular tests : Acoustic signals for required changes of reagents simplify the hybridization procedure **Voltage stabiliser** : Yes	
2.5	**Dri-Block Heater** **Temperature Range** : Ambient to 100°C **Temperature Stability** : @40º: ±0.05ºC, @ 100ºC: ±0.1ºC **Temperature Setting** : Rotary knob **Temperature Scale Graduation** : 2°C **Maximum temperature**	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	variation between identical blocks : 0.2°C at 40°C **Set Point Accuracy** : ±2°C **Maximum Number of Blocks** : 2 **Heat up time at 30-37°C** : Must not exceed 8 minutes **Heat up time at 30-max°C** : Must not exceed 12 minutes **Dimensions** : Must not exceed 202 x 260 x 105mm (W x D x H) **Electrical supply** : 230V or 115V 50-60Hz **External thermometer (calibrated)** : Yes	
2.6	**Stainless Steel Water Bath with Lid** **Chamber Material** : Stainless Steel **Capacity** : 10L **Display** : Monochrome LCD **Temperature Stability** : ± 0.2ºC **Interior Dimensions** : Must not exceed 393 x 383 x 233mm (D x W x H) **Power Supply** : 120V / 230V **Controller Type** : Digital **Temperature Range** : Ambient to 100ºC **Heating Capacity** : 800W **Features** : Drain tap/valve with hose tail for fast and easy emptying and cleaning : Temperature presets for commonly used settings : Enhanced hinge design supports open lid configuration and easy lid removal **Voltage stabiliser** : Yes **External thermometer (calibrated)** : Yes	
2.7	**Hi-Speed Centrifuge for Microtubes** **Sample Capacity** : minimum of 24 samples **Sample Volume** : 1.5 – 2ml **Maximum RPM/RCF** : 15,000 / 21,382 **Operation:** : Keypad and control knob **Dimensions** : must not exceed 10 x 11 x 22 inches (H x W x D)	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	Features : 24-place angle rotor with bio-containment lid : Robust & steady **Voltage stabiliser** : Yes	
2.8	**Biomedical Range Freezer** **Capacity** : Minimum of 92L **Net/Gross Weight** : Must not exceed 46 / 51kg **Dimensions** : Must not exceed 597 x 610 x 860mm (W x D x H) **Temperature Range (ºC)** : -25 to -30 **Cooling Performance (ºC)** : -25 **Cabinet Type** : Upright **Cooling Type** : Direct cooling **Defrost Mode** : Manual **Refrigerant** : HC **Noise Lever (dB)** : 40 **Power Supply (V/Hz)** : 220 – 240/50 **Power (W)** : 77 **Electrical Current (A)** : 0.35 **Controller** : Microprocessor **Display** : LED **High/Low Temperature** : Yes **Sensor Error** : Yes **UPS** : Yes **Voltage stabiliser** : Yes **External thermometer (calibrated)** : Yes	
2.9	**Single Door Fridge** **Capacity** : Minimum of 714L **Temperature Range / Set Point (ºC)** : 2 – 10 / 5 **Interior Dimensions** : Must not exceed 628 x 1476 x 762mm (WxHxD) **Exterior Dimensions** : Must not exceed 737 x 1989 x 715mm (WxHxD) **Storage** : 1 Ventilated Shelf, 6 Ventilated Pull-Out Drawers **Power Supply** : 220 - 240V 50-60Hz **Net Weight** : Must not exceed 234kg **Display** : Horizon LED Alarm/Monitor	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	Noise Emission : Must not exceed 49 dB **Energy Efficiency** : 3.01 kWh/day **Certifications/Regulatory Approvals** : Minimum of QPS (Certified to UL and CSA Standards), IEC/UL61010-2-011 (Dec 2016), CE 0086, and RoHS, or equivalent **UPS** : Yes **Voltage stabiliser** : Yes **External thermometer (calibrated)** : Yes	
2.10	**<u>Water Purification System</u>** **Rejection Rate of Microorganisms** : >99% **Power Supply** : 100 – 240V **Installation Option** : Benchtop **Product Water Resistivity (at 25ºC)** : <5 -15 MΩ × cm **Water Dispensing Flow Rate (Type 1)** : 5L/h **Features:** : Easy to navigate touch-based user interface (Even with gloves) : Direct connection to potable feed water Source **Voltage stabiliser** : Yes	
2.11	**<u>Laptop</u>** ▪ Equipped with latest Windows software ▪ Compatible with equipment listed under section **EQUIPMENT SPECIFICATION** 2.12	
2.12	**<u>3 in 1 colour printer, photocopier and scanner</u>** ▪ Printer – double sided printing with supply of both black and coloured ink cartridges ▪ Compatible with equipment listed under section **EQUIPMENT SPECIFICATION** 2.11	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
2.13	**Clinical Laboratory Grade Pipettes** ▪ Mechanical, single channel pipettor with finger rest and tip ejection system ▪ Able to decontaminate pipettes without disassembly ▪ Fully autoclavable up to 121°C ▪ Resistant to alcohol and chlorine-based disinfectants ▪ CE marked in accordance with IVD Directive in Europe or equivalent ▪ Inclusive of pipettor rack stands ▪ Periodic calibration every 6 months at an ISO 17025-certified calibration laboratory. Advantage if internal component cleaning is provided. ▪ Compatible with items 11, 12, and 13 ▪ All pipettes covered under this contract are intended for any laboratory work within the National Mycobacteria Reference Laboratory facilities, including the Sumbiling and CMDLID (Tutong) locations.	
3.0	**TECHNICAL SPECIFICATIONS**	
3.1	**Main System** 3.1.1 An on-board trouble- shooting guide should be available. 3.1.2 List details on daily and periodic maintenance including time required to perform the maintenance and to restart analysis. 3.1.3 Calibration and periodic temperature checks are available.	
3.2	**Reagent System** 3.2.1 State the shelf-life of individual test reagents and the handlings of short- life reagents (willing to replace those reagents nearer to expiry date if not used up). 3.2.2 The operator should carry out nil or minimum reagent preparation. 3.2.3 A reagent inventory should be kept and updated in real- time. 3.2.4 Stock of the test kit and accessories should be available at the local representative as contingency.	
3.3	All other consumables and reagents that are required to run the tests to be included free of charge.	
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	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	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 (or as required) 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	
4.6	Vendor shall submit samples of the offered items (if required) 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 (Weekly, Monthly, and Quarterly as needed) and/or corrective maintenance and breakdown maintenance of the analyzers and equipments provided under section PROVISION OF EQUIPMENT 1.1. Any breakdown should be quickly attended to within the day.	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
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	Backup is particularly important for all aspects of the system. The proposed system should be provided with backup instruments and should be able to perform the same test parameters.	
4.12	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	All reagents and consumables used for troubleshooting and/or verification studies are borne by the Vendor.	
4.13	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).	
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 be 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	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	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 as per WHO or OSHA recommendations or equivalent	
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	
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	If in any event where the laboratory needs to be relocated, the supplier is responsible to decontaminate, transport and recommission the equipments where applicable. This includes method validation of the instrument, connectivity to BruHIMS and resetting of the analysers to the new lab location.	
7.0	**LITERATURE**	
7.1	To supply one (1) digital copy and/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)	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
7.3	To supply digital and /or hardcopy of maintenance log with list of details of daily, weekly or scheduled maintenance	
8.0	**TRAINING**	
8.1	Training shall be provided, at no additional cost, as follows: On-site training for ALL staff members expected to handle the machine(s). 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 TWO 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 five (5) years 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 five (5) years 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**	

NO.	SPECIFICATIONS AND REQUIREMENTS	VENDOR'S OFFER (PLEASE STATE)
	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**	**(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:

SCHEDULE 2 - INFORMATION SUMMARY

2.1 Tenderers shall provide in this Schedule the following information:

a. Management summary

b. Company profile (including Contractor and sub-contractor(s), if any)

c. Years of experience (as of the Tender Closing Date) of the Contractor and sub-contractor(s) in the:

- *Supply & Delivery Of Laboratory Equipment, Test Kits and Consumables.*

d. Other information which is considered relevant

SCHEDULE 3 – SUB-CONTRACTS

3.1 Tenderers shall complete Table 3.1 with information about all the companies involved in the provision of the services and items specified in this tender. This shall include details about the Contractor and each sub-contractor involved, as well as their respective responsibilities.

3.2 Tenderers shall also indicate in Table 3.1 any alliance relationship established with each sub-contractor. An alliance is defined as a formal and binding business relationship between the allied parties.

Table 3.1 - Responsibility Table

Company Name	Responsibility Description	Alliance Relationship between Contractor and Sub-contractor(s)		
		Alliance Exists? (Y/N)	Date Established	Alliance Description
Contractor				
		Not Applicable	Not Applicable	Not Applicable
Sub-contractor(s)				

SCHEDULE 4 – COMPANY'S BACKGROUND

4.1 Each of the companies involved in this tender, including Contractor and sub-contractor(s) (if any), shall provide information on the company's background, scope of operations, financial standing and certified copy of its Certificate of Incorporation or Certificate of Registration (as the case may be).

SCHEDULE 5 – REFERENCES

5.1 Tenderers shall submit a list of customers in Table 5.1 to whom the Contractor has provided similar services and items as specified in this tender in the recent 5 years as of the Tender Closing Date.

Table 5.1 - References of previous customers

Customer Name and Address	Customer Type (Govt or Quasi Govt)*	Contact Person	Title	Contact Number, Fax Number and E-mail Address

***Note: Tenderers shall indicate whether the customer is a Government or Quasi Government organisation. A Quasi Government is defined as an organisation which (1) is managed and controlled by the Government; or (2) has at least 50% shares being held by the Government. Please leave the column blank if the customer is neither a Government or Quasi Government organisation.**

5.2 The Ministry of Health shall treat all the information submitted under this schedule in strict confidence.

5.3 The Ministry of Health reserves the right to contact the references for tender assessment purposes.

SCHEDULE 6 - SUBMISSION OF SAMPLE

6.1 Tenderers shall submit the Submission of Sample form below in respect of the items specified in this tender.

6.2 Samples of the items to be submitted shall be:

a) identical in packing and manufacture to the items to be offered by the Tenderer; and

b) marked with the corresponding item number of the tender.

SUBMISSION OF SAMPLE FORM

To:

TENDER REFERENCE NO: KK/156/2026/LAB(TC)

INVITATION TO TENDER

TO SUPPLY AND DELIVER MOLECULAR ASSAY WITH EQUIPMENT RENTAL FOR NATIONAL MYCOBACTERIA REFERENCE LABORATORY, DEPARTMENT OF LABORATORY SERVICES, MINISTRY OF HEALTH FOR A PERIOD OF FIVE(5) YEARS USAGE

SUBMISSION OF SAMPLE FORM OF (*NAME OF TENDERER*)

NO.	TEST/REAGENT NAME	SAMPLE SUBMITTED (indicate with ✓)	SAMPLE NOT SUBMITTED (indicate with ✕)	OFFERED/ NOT OFFERED (indicate as appropriate)
1	Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC)			
2	Molecular detection kit for Non-Typical mycobacteria (NTM) - common species			
3	Molecular detection kit for Non-typical Mycobacteria (NTM) - less common species			
4	Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC) and resistance genes to first line drugs			
5	Molecular detection kit for Non-typical Mycobacteria (NTM) and resistance genes to drugs			
6	Molecular detection kit for *Mycobacterium tuberculosis* complex (MTBC) and resistance genes to second line drugs			
7	DNA extraction kit			
8	Rapid detection of *Mycobacterium tuberculosis* complex (MTBC) kit			
9	PCR tube, 0.2ml, disposable Domed cap			
10	PCR tube, 1.5ml, disposable Screw top			
11	10µl extended length pipette tips			
12	200ul extended length pipette tips			
13	1000µl extended length pipette tips			
14	Tray for GT-Blot 48			

We understand as stated in the Instructions to Tenderers that Tenders without samples shall not be considered.

Tenderer's official stamp:

_____

[signature of authorized officer of Tenderer]

Name:

Designation:

Date:

FOR OFFICE USE

Date of receipt : _____

Receiving Officer : _____