

EQUIPMENT PURCHASE SPECIFICATION

FOR BME REPRESENTATIVE USE ONLY		
Approved By	Name : Zaenul Rosli	Signature: 
Date	3/9/2026	

TITLE OF TENDER/QUOTATION	TO SUPPLY, DELIVER, INSTALL, TEST AND COMMISSION TWO (2) UNITS OF ELECTRONIC PIPETTES FOR PHYSICAL EVIDENCE LABORATORY, DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH.
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TENDER REFERENCE NO.	
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NAME OF ITEM	TWO (2) UNITS OF ELECTRONIC PIPETTES
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NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick v) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
1.0	GENERAL				
1	Tenderer is to supply and provide the following: - TWO (2) units of electronic pipette that offers accuracy and precision in both standard and repetitive pipetting modes - ONE (1) unit of power carousel - Disposable pipette tips - Warranty, preventive maintenance and calibration				
2.0	ELECTRONIC PIPETTE				
2.1	Type: Electronic Air Displacement				

Procurement Ref. No. : DSS/FS/PROC/B50K/2026-2027/020(PEV)
 Section/Laboratory Ref. No. : DSS/PEV/PR/2026/002

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		COMPLY (Please tick ☐) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
2.2	Number of Channels: 1-Channel				
2.3	Volume Range: 100 µL to 1200 µL				
2.4	Random measurement error: • 100 µL ≤ 0.4 µL • 120 µL ≤ 0.4 µL • 600 µL ≤ 0.8 µL • 1200 µL ≤ 1.2 µL				
2.5	Systemic measurement error: • 100 µL ± 2.5 µL • 120 µL ± 2.4 µL • 600 µL ± 3.6 µL • 1200 µL ± 6.0 µL				
2.6	Selectable pipette modes				
2.7	Selectable pipette speed control (aspiration and dispensing speed independently)				
2.8	Rechargeable lithium-ion battery				
2.9	Display Screen				
2.10	Tip ejector button for one-handed operation and contact-free tips advance ejection				
2.11	Power Supply with AC adapter and cable. All electrical and electronic components in the				

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	system must be able to utilise mains power supply of 220 – 240 V AC, 50 – 60 Hz. Otherwise, tenderer to include additional items or works required to ensure successful operation.				
3.0	<u>POWER CAROUSEL</u>				
3.1	Charging carousel suitable for use with offered electronic pipettes to store and charge multiple pipettes simultaneously.				
3.2	Store pipettes in vertical position.				
3.3	All electrical and electronic components in the system must be able to utilise mains power supply of 220 – 240 V AC, 50 – 60 Hz. Otherwise, tenderer to include additional items or works required to ensure successful operation.				
4.0	<u>DISPOSABLE PIPETTE TIPS</u>				
4.1	Must be compatible with the offered single channel pipette in specification No. 2				
4.2	Volume range: 50 µL – 1200 µL.				
4.3	Quantity requested: 4800 tips or more.				
4.4	Sterile.				

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5	<u>DOCUMENTATION</u>				
5.1	Each pipette must come with the following:				
5.1.1	Operation manual (1 original and 1 copy)				
5.1.2	Service manual (1 original and 1 copy)				
5.1.3	Spare parts manual (1 original and 1 copy)				
5.1.4	Certificate of factory calibration/validation demonstrating compliance with ISO 8655 or an equivalent internationally recognized standard.				
5.1.5	On-site validation and commissioning report.				
5.1.6	Certificate of Conformity				
6.0	<u>TRAINING</u>				
6.1	Training shall be provided, at no additional cost, as follows:				
6.2	On-site training for ALL staff members expected to handle, maintain and clean the equipment. Please ensure that adequate time is allocated such that training will take place in small groups to minimize staff shortage in the laboratory.				

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6.3	Certificate of competence is to be issued to all trainees after completion of training.				
6.4	The successful tenderer needs to ensure the key users are updated on the current or relevant information related to the system used.				
7	<u>WARRANTY AND PREVENTIVE MAINTENANCE AND CALIBRATION</u>				
7.1	A minimum of one (1) year warranty for manufacturer's defect on the hardware, software and all cost of repairs and/or replacements should be included.				
7.2	After-sales services must be provided for the product after one (1) year.				
7.3	One-off preventive maintenance to be carried out just before or soon after the one-year warranty period. Scope of work to follow manufacturer's manual / recommendation specific for the equipment offered, which include: • supply, delivery and installation of preventive maintenance kits and/or consumables • software update (to obtain prior authorization from user and BME) • inspection • cleaning				

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	- alignment - calibration - any other related preventive maintenance works required.				
7.4	Pipette to be calibrated by ISO 17025:2017 accredited Calibration Service Centre prior to delivery and one (1) year after delivery. Parameters for the calibration includes calibration points as below: 10% of nominal - 120 µL 250 µL 50% of nominal - 600 µL - Nominal - 1200 µL				
7.5	Alternative calibration points may be specified by the end user based on operational requirements. The vendor shall verify and obtain confirmation of the required calibration volumes from the end user prior to calibration.				
8.0	DELIVERY Items offered MUST be delivered within _____ from date of approval. (Vendor to indicate the delivery period.)				
9.0	PRICE VALIDITY Price validity MUST NOT BE LESS THAN twelve (12) months.				

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		YES	NO		
TOTAL PRICE (\$)					

No.	GENERAL SPECIFICATIONS*	VENDOR'S OFFER
A	Total Price: B\$	
B	Delivery Period:	
C	Model & Brand:	
D	Country of Origin:	
E	Where marketed:	
F	Year of Manufacture:	
G	Warranty:	
H	Power Requirement:	
I	Battery Back-up:	

No.	GENERAL SPECIFICATIONS*	VENDOR'S OFFER
J	International Safety Standard:	
K	Technical Support:	
L	Equipment Whole Life Support:	
M	Dimensions (WxHxD) cm:	
N	User Manuals:	
O	Service Manuals:	
P	Spare-parts & Consumables Listing:	
Q	Technical Training On-Site:	
R	Site Requirements:	

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

Bahagian/Unit/Makmal :	<i>Physical Evidence Laboratory</i>		
Bil. Rujukan Bahagian/Unit/Makmal :	DSS/PEV/PR/2026/002		
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