

LAMPIRAN - A1

RUJ: BME/A2K/(1729)/2026/HTD (A17)

5/8/2026

TO PPM NINE (9) UNITS OF PH METER IN DEPARTMENT LABORATORY SERVICES, MINISTRY OF HEALTH.

SCOPE OF WORK

1. PREVENTIVE MAINTENANCE SHALL FOLLOW EQUIPMENT MANUAL AND BRAND/MODEL SPECIFIC RECOMMENDATIONS AND MAY INCLUDE BUT NOT LIMITED TO:
PERFORM PREVENTIVE MAINTENANCE ON THE EXISTING PH METER.
INSPECT THE METER, ELECTRODE, CABLE, CONNECTORS, AND ACCESSORIES FOR WEAR OR DAMAGE.
CLEAN THE INSTRUMENT AND ELECTRODE (WHERE APPLICABLE).
VERIFY INSTRUMENT FUNCTIONALITY AND MEASUREMENT PERFORMANCE.
CHECK AND ADJUST CALIBRATION USING CERTIFIED STANDARD BUFFER SOLUTIONS (PH 4.01, 7.00, AND 10.01) WHERE APPLICABLE.
VERIFY TEMPERATURE COMPENSATION FUNCTION (IF APPLICABLE).
REPLACE MINOR CONSUMABLES (IF INCLUDED IN THE QUOTATION) AND IDENTIFY ANY DEFECTIVE PARTS REQUIRING REPLACEMENT.
2. POST-MAINTENANCE REQUIREMENTS
- PERFORM FUNCTIONAL CHECKS
- APPLY PREVENTIVE MAINTENANCE STICKER/TAG AFTER SUCCESSFUL SERVICE
- DISPOSE OF USED SPAREPARTS/PM KITS UNLESS INSTRUCTED OTHERWISE
3. WORK MUST BE CARRIED OUT BY AUTHORIZED ENGINEERS TRAINED IN MAINTAINING THE EQUIPMENT.
4. VENDORS SHALL SUBMIT A MAINTENANCE CHECKLIST AND SUPPORTING DOCUMENTS SPECIFIC TO THE EQUIPMENT AS PART OF THE TENDER.
5. PREVENTIVE MAINTENANCE MAY BE PERFORMED UP TO ONE MONTH BEFORE THE NEXT SCHEDULED DATE BUT NOT EARLIER.

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1	BRUNEI MUARA	NMRL, SUMBILING HANNA INSTRUMENTS	EDGE HI2002	493125	21332	
PPM/NMRL/BME/054						
2	BRUNEI MUARA	NIRL WALKLAB	HP9010 T118L0057	21040	PPM/IMM/BME/2018/24	
3	BRUNEI MUARA	NHRL, Morphology Section	METTLER TOLEDO	Ross FE 20	1232045340	8961
4	BRUNEI MUARA	NHRL, Automation Routine	JENWAY 3510	60150	18764	PRS/PH/01
5	BRUNEI MUARA	NCCRL FISCHER SCIENTIFIC	ACCUMENT EXCEL XL15	XL94006507	11259	
PPM/CC057/09						
6	BRUNEI MUARA	NCCRL HORIBA B-713	YR8WEXU9	N/A	PPM/CHEM/84/14	
7	BRUNEI MUARA	NCCRL HORIBA D-74A-S	ROOST5LDR	18423		
8	BRUNEI MUARA	BDC QCL	METTLER TOLEDO	FIVE EASY PLUS	B832228179	N/A
9	TEMBURONG	PIHM MILWAUKEE	MW101 11003290085	21189	PPM/PHM/BME/2020/54	

LAMPIRAN - A2

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TO PPM NINE (9) UNITS OF PH METER IN DEPARTMENT LABORATORY SERVICES, MINISTRY OF HEALTH.

	SPAREPART	PART NUMBER	QUANTITY
1	one off ppm ph meter		9

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TO PPM NINE (9) UNITS OF PH METER IN DEPARTMENT LABORATORY SERVICES, MINISTRY OF HEALTH.

No	District	Location	Brand	Model	Serial No.	BME No.	Lab Reference No.
1	BRUNEI MUARA	NMRL, SUMBILING	HANNA INSTRUMENTS	EDGE HI2002	493125	21332	PPM/NMRL/BME/054
2	BRUNEI MUARA	NIRL	WALKLAB	HP9010	TI18L0057	21040	PPM/IMM/BME/2018/24
3	BRUNEI MUARA	NHRL , Morphology Section	METTLER TOLEDO	Ross FE 20	1232045340	8961	
4	BRUNEI MUARA	NHRL , Automation Routine	JENWAY	3510	60150	18764	PRS/PH/01
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7	BRUNEI MUARA	NCCRL	HORIBA	D-74A-S	ROOST5LDR	18423	
8	BRUNEI MUARA	BDC QCL	METTLER TOLEDO	FIVE EASY PLUS	B832228179	N/A	
9	TEMBURONG	PIHM	MILWAUKEE	MW101	11003290085	21189	PPM/PHM/BME/2020/54