

REFERENCE OF TENDER	DESCRIPTION OF TENDER	TIME PERIOD OF TENDER	DEPARTMENT/DIVISION/UNIT REQUESTING TENDER	FEES	CLOSING DATE NOT LATER THAN 2.00PM	FOCAL PERSON
KK/145/2025/DSS	TO SUPPLY, DELIVER, INSTALL AND COMMISSIONING TWO (2) UNITS OF ALTERNATE LIGHT SOURCE FORENSIC IMAGING DEVICE FOR FORENSIC BIOLOGY LABORATORY, DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH		DEPARTMENT OF SCIENTIFIC SERVICES	\$10.00	24 <sup>TH</sup> June 2025	<p>Vianaliza Rajak  Forensic Biology Laboratory  Ministry of Health  Negara Brunei Darussalam  Contact No: 2328424 ext 6078  email: vianaliza.rajak@moh.gov.bn</p>

**TENDER REFERENCE NO.:KK/145/2025/DSS**

**MINISTRY OF HEALTH  
NEGARA BRUNEI DARUSSALAM**

**TO SUPPLY, DELIVER, INSTALL AND COMMISSIONING  
TWO (2) UNITS OF ALTERNATE LIGHT SOURCE  
FORENSIC IMAGING DEVICE FOR FORENSIC BIOLOGY  
LABORATORY, DEPARTMENT OF SCIENTIFIC SERVICES,  
MINISTRY OF HEALTH**

**TENDER FEES : \$10.00**

**RECEIPT NO. :**

**CLOSING DATE : ON TUESDAY, 24TH JUNE 2025**

**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/145/2025/DSS

INVITATION TO TENDER  
TO SUPPLY, DELIVER, INSTALL AND COMMISSION TWO (2) UNITS OF ALTERNATE LIGHT  
SOURCE FORENSIC IMAGING DEVICE FOR FORENSIC BIOLOGY LABORATORY,  
DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH

NAME OF ITEM	TWO (2) UNITS OF ALTERNATE LIGHT SOURCE FORENSIC IMAGING DEVICE
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NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS
1.0	<b>GENERAL</b>
1.1	Tenderer is to supply and provide the following: <ul style="list-style-type: none"><li>• Two (2) units of handheld full-spectrum alternate light source (ALS) forensic imaging device for the detection of body fluids</li><li>• Accessories</li><li>• Documentation and certification</li><li>• Training</li><li>• Site preparation and electrical requirements</li><li>• Warranty and preventive maintenance</li></ul>
2.0	<b>FULL-SPECTRUM ALTERNATE LIGHT SOURCE (ALS) FORENSIC IMAGING DEVICE</b>
2.1	<b>Camera And Lenses:</b>
2.1.1	High sensitivity UV-Vis-IR Camera
2.1.2	Resolution: At least 20MP
2.1.3	Sensitivity: 350 – 1000nm
2.1.4	Autofocus 30mm f/3.5 macro lens
2.1.5	Shutter speed: Allow 30 seconds or more
2.1.6	Selectable advanced camera controls: <ul style="list-style-type: none"><li>• Exposure control</li><li>• Auto and Fine Manual focus modes</li><li>• White balance</li></ul>
2.2	<b>High Intensity LED Illumination Ring:</b>
2.2.1	Equipped with high intensity and multi-spectral LED illumination and brightness control functions.
2.2.2	<b>Wavelengths:</b> <ul style="list-style-type: none"><li>• UV 365nm</li><li>• Violet 410nm</li><li>• Blue 445nm</li><li>• Blue Green 475nm</li><li>• Green 520nm</li><li>• Orange 590nm</li><li>• Red 640nm.</li></ul>

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS
<b>2.3</b>	<b>Wide-Angle LED Illumination Ring:</b>
<b>2.3.1</b>	Equipped with wide angled LED illumination arms. 2 x UV LED, 1 x White LED and 1 x IR LED per arm.
<b>2.3.2</b>	<b>Wavelengths:</b> <ul style="list-style-type: none"> <li>• UV 365nm</li> <li>• IR 860nm</li> </ul>
<b>2.4</b>	<b>Motorised Filter Wheel:</b>
<b>2.4.1</b>	Automatic selection of filter based on evidence type.
<b>2.5</b>	<b>Fluorescence Imaging Filters:</b>
<b>2.5.1</b>	<b>Longpass filters:</b> <ul style="list-style-type: none"> <li>• 420nm</li> <li>• 455nm</li> <li>• 495nm</li> <li>• 550nm</li> <li>• 590nm</li> <li>• 780nm</li> </ul>
<b>2.5.2</b>	<b>Bandpass filters:</b> <ul style="list-style-type: none"> <li>• 415nm</li> <li>• 530nm</li> <li>• UV 315-380nm</li> </ul>
<b>2.6</b>	<b>Interface:</b>
<b>2.6.1</b>	Integrated minimum 7" multi-touch IPS TFT display with <ul style="list-style-type: none"> <li>• HDMI live video output</li> <li>• Micro SD input</li> <li>• USB and micro-USB connectivity</li> <li>• Ambient light sensor with auto screen brightness</li> <li>• Wifi and Bluetooth connectivity.</li> </ul>
<b>2.7</b>	<b>Internal Processor:</b>
<b>2.7.1</b>	Fully-integrated processor with <ul style="list-style-type: none"> <li>• Image capture (BMP, TIFF, PNG, JPG) to SD card</li> <li>• 1920 x 1080 video capture (AVI) to SD card</li> <li>• Real time clock for image capture time-stamping.</li> </ul>
<b>2.8</b>	<b>Weight:</b>
<b>2.8.1</b>	Less than 1.75kg (when fitted with battery)
<b>2.9</b>	<b>Power requirements:</b>
<b>2.9.1</b>	Interchangeable battery which are rechargeable.
<b>2.9.2</b>	Can be powered via mains power adapter.
<b>2.10</b>	<b>Product Verification Library (PVL):</b>
<b>2.10.1</b>	Subscription to a Product Verification Library (PVL) that provides high resolution images of body fluid stains on representative fabric types and high resolution sample overview (entirety) images.
<b>3.0</b>	<b>ACCESSORIES</b>

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS
3.1	<b>Standard operational accessories for each unit of ALS:</b> <ul style="list-style-type: none"> <li>• Waterproof and shock resistant carry case.</li> <li>• Adjustable shoulder and neck strap.</li> <li>• Micro SD card and reader.</li> <li>• Minimum 1TB solid state drive (SSD) with rapid read/write performance.</li> <li>• Mains adaptor and battery charger.</li> <li>• Two (2) units of rechargeable minimum 2Ah lithium ion battery</li> </ul>
3.2	<b>Coaxial Lighting Accesory:</b> Two (2) units of coaxial lighting accessory for imaging evidence on mirrored and highly reflective surfaces.
3.3	<b>Laboratory Arm:</b> Two (2) units of laboratory arm designed for the ALS system, for easy laboratory operation and scanning of evidence. Heavy duty and can be mounted on the bench.
3.4	<b>Monitor Screen:</b> Two (2) units of minimum approximately 65" external interactive monitor screen for secondary viewing of evidence scanning and capturing, inclusive of portable standee.
3.5	<b>Forensic Ruler:</b> Two (2) units of L-shape forensic ruler.
3.6	<b>Interactive Evidence Sample Kit:</b> CSI evidence case with sample simulants: <ul style="list-style-type: none"> <li>• Blood</li> <li>• Bone</li> <li>• Gunshot residue</li> <li>• Blank samples</li> <li>• Etc.</li> </ul>
4.0	<b>DOCUMENTATION &amp; CERTIFICATION</b>
4.1	Operation manual (1 original and 1 copy).
4.2	Instrument must be UL certified and manufactured to ISO9001 standards.
5.0	<b>TRAINING</b>
5.1	Training for all staff members expected to handle the machine by trainer on-site.
5.2	Certificate of competence is to be issued to all trainees after completion of training.
5.3	The successful tenderer needs to ensure the key users are updated on the current and/or relevant information related to the system used. They shall provide <b>ONE (1)</b> off-site professional development in DNA analysis for <b>TWO (2)</b> key users. All expenses for attending the training shall be borne by the vendor; full registration, insurance, air ticket, daily allowance, accommodation and transport to and from the airport and training venue.
6.0	<b>SITE PREPARATION &amp; ELECTRICAL REQUIREMENTS</b>
6.1	The successful tenderer shall ensure that the site preparation for the placement of the system taking into the consideration on the safety of the end user during operation of the instrument.
6.2	It is MANDATORY for the tenderer to do site visit prior to tender submission to discuss site requirements. A site visit form will be provided during the visit as evidence. Non-attendance will be considered as non-compliance.
6.3	The site preparation details should be listed in the quotation / document submitted.
6.4	All works involving additional electrical supply including wiring, outlets and isolators, fabrication and/or modification of work bench and any other deemed necessary to ensure successful and safe installation and operation of the system should be included.

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS
6.5	Must be able to utilise mains power supply of 220 - 240 V AC, 50 - 60 Hz. Otherwise, tenderer to include the necessary arrangements to ensure appropriate power supply required by the equipment.
7.0	<b>WARRANTY</b>
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.
8.0	<b>DELIVERY</b>
8.1	Items offered <b>MUST be delivered within</b> _____ from date of approval. (Vendor to indicate the delivery period.)
9.0	<b>PRICE VALIDITY</b>
9.1	Price validity MUST NOT BE LESS THAN 180 days or six (6) months.

NO.	GENERAL SPECIFICATIONS
A	Total Price: B\$
B	Delivery Period:
C	Model & Brand:
D	Country of Origin: (leave blank)
E	Where marketed:
F	Year of Manufacture:
G	Warranty:
H	Power Requirement:
I	Battery Back-up:
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.

### SECTION 3

### TENDER FORM

To:

TENDER REFERENCE NO: KK/145/2025/DSS

#### INVITATION TO TENDER

TO SUPPLY, DELIVER, INSTALL AND COMMISSION TWO (2) UNITS OF ALTERNATE LIGHT SOURCE FORENSIC IMAGING DEVICE FOR FORENSIC BIOLOGY LABORATORY, DEPARTMENT OF SCIENTIFIC SERVICES, MINISTRY OF HEALTH

TENDER OF (*name of tenderer*) : \_\_\_\_\_

Company/Business Registration No. : \_\_\_\_\_

Tender Closing Date : \_\_\_\_\_

NAME OF ITEM	
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NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
1.0	GENERAL				
1.1	Tenderer is to supply and provide the following: <ul style="list-style-type: none"><li>Two (2) units of handheld full-spectrum alternate light source (ALS) forensic imaging device for the</li></ul>				

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
	detection of body fluids <ul style="list-style-type: none"> <li>Accessories</li> <li>Documentation and certification</li> <li>Training</li> <li>Site preparation and electrical requirements</li> <li>Warranty and preventive maintenance</li> </ul>				
<b>2.0</b>	<b>FULL-SPECTRUM ALTERNATE LIGHT SOURCE (ALS) FORENSIC IMAGING DEVICE</b>				
<b>2.1</b>	<b>Camera And Lenses:</b>				
<b>2.1.1</b>	High sensitivity UV-Vis-IR Camera				
<b>2.1.2</b>	Resolution: At least 20MP				
<b>2.1.3</b>	Sensitivity: 350 – 1000nm				
<b>2.1.4</b>	Autofocus 30mm f/3.5 macro lens				
<b>2.1.5</b>	Shutter speed: Allow 30 seconds or more				
<b>2.1.6</b>	Selectable advanced camera controls: <ul style="list-style-type: none"> <li>Exposure control</li> <li>Auto and Fine Manual focus modes</li> <li>White balance</li> </ul>				
<b>2.2</b>	<b>High Intensity LED Illumination Ring:</b>				



NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
2.2.1	Equipped with high intensity and multi-spectral LED illumination and brightness control functions.				
2.2.2	<b>Wavelengths:</b> <ul style="list-style-type: none"> <li>• UV 365nm</li> <li>• Violet 410nm</li> <li>• Blue 445nm</li> <li>• Blue Green 475nm</li> <li>• Green 520nm</li> <li>• Orange 590nm</li> <li>▪ Red 640nm.</li> </ul>				
2.3	<b>Wide-Angle LED Illumination Ring:</b>				
2.3.1	Equipped with wide angled LED illumination arms. 2 x UV LED, 1 x White LED and 1 x IR LED per arm.				
2.3.2	<b>Wavelengths:</b> <ul style="list-style-type: none"> <li>• UV 365nm</li> <li>• IR 860nm</li> </ul>				
2.4	<b>Motorised Filter Wheel:</b>				
2.4.1	Automatic selection of filter based on evidence type.				
2.5	<b>Fluorescence Imaging Filters:</b>				
2.5.1	<b>Longpass filters:</b> <ul style="list-style-type: none"> <li>• 420nm</li> <li>• 455nm</li> <li>• 495nm</li> </ul>				

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
	<ul style="list-style-type: none"> <li>• 550nm</li> <li>• 590nm</li> <li>• 780nm</li> </ul>				
2.5.2	<b>Bandpass filters:</b> <ul style="list-style-type: none"> <li>• 415nm</li> <li>• 530nm</li> <li>• UV 315-380nm</li> </ul>				
2.6	<b>Interface:</b>				
2.6.1	Integrated minimum 7" multi-touch IPS TFT display with <ul style="list-style-type: none"> <li>• HDMI live video output</li> <li>• Micro SD input</li> <li>• USB and micro-USB connectivity</li> <li>• Ambient light sensor with auto screen brightness</li> <li>• Wifi and Bluetooth connectivity.</li> </ul>				
2.7	<b>Internal Processor:</b>				
2.7.1	Fully-integrated processor with <ul style="list-style-type: none"> <li>• Image capture (BMP, TIFF, PNG, JPG) to SD card</li> <li>• 1920 x 1080 video capture (AVI) to SD card</li> <li>• Real time clock for image capture time-stamping.</li> </ul>				
2.8	<b>Weight:</b>				
2.8.1	Less than 1.75kg (when fitted with battery)				

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
2.9	<b>Power requirements:</b>				
2.9.1	Interchangeable battery which are rechargeable.				
2.9.2	Can be powered via mains power adapter.				
2.10	<b>Product Verification Library (PVL):</b>				
2.10.1	Subscription to a Product Verification Library (PVL) that provides high resolution images of body fluid stains on representative fabric types and high resolution sample overview (entirety) images.				
3.0	<b>ACCESSORIES</b>				
3.1	<b>Standard operational accessories for each unit of ALS:</b> <ul style="list-style-type: none"> <li>• Waterproof and shock resistant carry case.</li> <li>• Adjustable shoulder and neck strap.</li> <li>• Micro SD card and reader.</li> <li>• Minimum 1TB solid state drive (SSD) with rapid read/write performance.</li> <li>• Mains adaptor and battery charger.</li> <li>• Two (2) units of rechargeable minimum 2Ah lithium ion battery</li> </ul>				
3.2	<b>Coaxial Lighting Accesory:</b> Two (2) units of coaxial lighting accessory for imaging evidence on mirrored and highly reflective surfaces.				

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
3.3	<b>Laboratory Arm:</b> Two (2) units of laboratory arm designed for the ALS system, for easy laboratory operation and scanning of evidence. Heavy duty and can be mounted on the bench.				
3.4	<b>Monitor Screen:</b> Two (2) units of minimum approximately 65" external interactive monitor screen for secondary viewing of evidence scanning and capturing, inclusive of portable standee.				
3.5	<b>Forensic Ruler:</b> Two (2) units of L-shape forensic ruler.				
3.6	<b>Interactive Evidence Sample Kit:</b> CSI evidence case with sample simulants: <ul style="list-style-type: none"> <li>• Blood</li> <li>• Bone</li> <li>• Gunshot residue</li> <li>• Blank samples</li> <li>• Etc.</li> </ul>				
4.0	<b>DOCUMENTATION &amp; CERTIFICATION</b>				
4.1	Operation manual (1 original and 1 copy).				
4.2	Instrument must be UL certified and manufactured to ISO9001 standards.				
5.0	<b>TRAINING</b>				

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
5.1	Training for all staff members expected to handle the machine by trainer on-site.				
5.2	Certificate of competence is to be issued to all trainees after completion of training.				
5.3	The successful tenderer needs to ensure the key users are updated on the current and/or relevant information related to the system used. They shall provide <b>ONE (1)</b> off-site professional development in DNA analysis for <b>TWO (2)</b> key users. All expenses for attending the training shall be borne by the vendor; full registration, insurance, air ticket, daily allowance, accommodation and transport to and from the airport and training venue.				
6.0	<b>SITE PREPARATION &amp; ELECTRICAL REQUIREMENTS</b>				
6.1	The successful tenderer shall ensure that the site preparation for the placement of the system taking into the consideration on the safety of the end user during operation of the instrument.				
6.2	It is MANDATORY for the tenderer to do site visit prior to tender submission to discuss site requirements. A site visit form will be provided during the visit as evidence. Non-attendance will be considered as non-compliance.				
6.3	The site preparation details should be listed in the quotation / document submitted.				
6.4	All works involving additional electrical supply including wiring, outlets and isolators, fabrication				

NO.	ITEM DESCRIPTIONS AND SPECIFICATIONS	VENDOR'S OFFER			
		COMPLY (Please tick ✓) (Provide evidence for compliance(s))		ITEM DESCRIPTIONS AND SPECIFICATIONS	PRICE (\$)
		YES	NO		
	and/or modification of work bench and any other deemed necessary to ensure successful and safe installation and operation of the system should be included.				
6.5	Must be able to utilise mains power supply of 220 - 240 V AC, 50 - 60 Hz. Otherwise, tenderer to include the necessary arrangements to ensure appropriate power supply required by the equipment.				
7.0	<b>WARRANTY</b>				
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.				
8.0	<b>DELIVERY</b>				
8.1	Items offered <b>MUST be delivered within</b> _____ from date of approval. ▪ (Vendor to indicate the delivery period.)				
9.0	<b>PRICE VALIDITY</b>				
9.1	Price validity MUST NOT BE LESS THAN 180 days or six (6) months.				
<b>TOTAL PRICE (B\$)</b>					

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

1. We offer and undertake on your acceptance of our Tender to provide the above mentioned services 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. OUR OFFER IS VALID FOR **TWELVE (12)** CALENDAR MONTHS FROM THE TENDER CLOSING DATE.
4. When requested by you, we shall extend the validity of this offer.
5. We further undertake to give you any further information which you may require.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
**Signature of authorised officer of Tenderer**

Name:

Designation:

Tenderer's official stamp