

BIL	Quotation Reference	Description	Advertisement Date	Closing Date (Not Later Than 2.00PM)	Quotation Fee	Requesting Department	Focal Person
7	43/QTN/JPK/2022	<p>SUPPLY, DELIVERY INSTALLATION, TESTING AND COMMISSIONING, ONE (1) UNIT OF ELECTROCARDIOGRAM (ECG) MACHINE FOR NEW BLOCK SILVER JUBILEE SENGKURONG HEALTH CENTRE, DEPARTMENT OF HEALTH SERVICES, MINISTRY OF HEALTH</p> <p><u>PLACE OF SUBMISSION:</u>            QUOTATION BOX (GROUND FLOOR)            MINISTRY OF HEALTH COMMONWEALTH DRIVE            BANDAR SERI BEGAWAN, BB 3910            NEGARA BRUNEI DARUSSALAM</p>	16/11/2022	03/12/2022	\$5.00	JABATAN PERKHIDMATAN KESIHATAN, KEMENTERIAN KESIHATAN.	HAJI AMIR HISMA BIN MASRI  JURUTERA PERUBATAN HAYAT  TEL: 2381640

**UNIT TAWARAN  
KEMENTERIAN KESIHATAN  
NEGARA BRUNEI DARUSSALAM**

**SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING ONE (1) UNIT OF  
ELECTROCARDIOGRAM (ECG) MACHINE FOR NEW BLOCK SILVER JUBILEE  
SENGKURONG HEALTH CENTRE, DEPARTMENT OF HEALTH SERVICES, MINISTRY OF  
HEALTH**

<b>SECTION I - USER REQUIREMENT</b>	
<b>STANDARD FEATURES:</b>	<ul style="list-style-type: none"> <li>• Physical/Touchscreen alphanumeric keyboard (Please specify)</li> </ul>
	<ul style="list-style-type: none"> <li>• Has a LCD screen to display waveform graphs and patient information</li> </ul>
	<ul style="list-style-type: none"> <li>• LCD display size of minimum 8 inch</li> </ul>
	<ul style="list-style-type: none"> <li>• Built in thermal printer for printouts</li> </ul>
	<ul style="list-style-type: none"> <li>• Z-fold A4 printing paper</li> </ul>
	<ul style="list-style-type: none"> <li>• Customizable report formats which will allow the information to be printed the way the user need.</li> </ul>
	<ul style="list-style-type: none"> <li>• Arrhythmia analysis features</li> </ul>
	<ul style="list-style-type: none"> <li>• Inclusive of analysis software program for both adult and children</li> </ul>
	<ul style="list-style-type: none"> <li>• Able to operate on battery</li> </ul>
	<ul style="list-style-type: none"> <li>• Uses replaceable and rechargeable battery</li> </ul>
	<ul style="list-style-type: none"> <li>• Battery capacity: at least 3 hours or better (with or without printing)</li> </ul>
	<ul style="list-style-type: none"> <li>• 12-lead resting ECG which includes accurate ECG measurements and interpretation.</li> </ul>
	<ul style="list-style-type: none"> <li>• Dedicated function keys to speed-up access to common actions.</li> </ul>
	<ul style="list-style-type: none"> <li>• Has internal memory to store minimum 100 ECGs</li> </ul>
	<ul style="list-style-type: none"> <li>• Has external memory card slot</li> </ul>
	<ul style="list-style-type: none"> <li>• Supplied with compatible external memory card – minimum 32GB</li> </ul>
	<ul style="list-style-type: none"> <li>• Supplied with standard ECG Patient cable.</li> </ul>
	<ul style="list-style-type: none"> <li>• Ten (10) pieces of multifunction type resting electrode adapters</li> </ul>
	<ul style="list-style-type: none"> <li>• Four (4) pieces of Limb clamps</li> </ul>
	<ul style="list-style-type: none"> <li>• Each unit is supplied with one thousand (1000) sheets of continuous A4 size ECG thermal paper compatible with offered unit.</li> </ul>
	<ul style="list-style-type: none"> <li>• Comes with trolley.</li> </ul>
	<ul style="list-style-type: none"> <li>• Trolley has holder for acquisition module</li> </ul>
	<ul style="list-style-type: none"> <li>• Trolley has castor with locking mechanism</li> </ul>
<ul style="list-style-type: none"> <li>• System must be Picture Archiving Communication System (PACS) ready through DICOM standard and open source</li> </ul>	
<ul style="list-style-type: none"> <li>• Inclusive of PACS license</li> </ul>	

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	<ul style="list-style-type: none"> <li>• Connectivity to BRU-HIMS</li> </ul>
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<b>SECTION II - PROCUREMENT REQUIREMENT</b>	
<b>MODEL AND BRAND</b>	<ul style="list-style-type: none"> <li>• State Model and Brand of Equipment.</li> </ul>
<b>COUNTRY OF ORIGIN</b>	<ul style="list-style-type: none"> <li>• State Country of Origin.</li> </ul>
<b>PRICE (CIF) B\$</b>	<ul style="list-style-type: none"> <li>• State Unit and Total Price Offered.</li> </ul>
<b>WHERE MARKETED</b>	<ul style="list-style-type: none"> <li>• Specify in which other countries the equipment marketed.</li> </ul>
<b>YEAR MANUFACTURED</b>	<ul style="list-style-type: none"> <li>• State year of equipment manufactured.</li> </ul>
<b>WARRANTY</b>	<ul style="list-style-type: none"> <li>• State number of years.</li> </ul>
<b>DELIVERY TIME</b>	<ul style="list-style-type: none"> <li>• State number of weeks.</li> </ul>
<b>PRICE VALIDITY</b>	<ul style="list-style-type: none"> <li>• State number of weeks.</li> </ul>

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<b>SECTION III - TECHNICAL REQUIREMENT</b>	
<b>MAINS POWER SUPPLY</b>	<ul style="list-style-type: none"> <li>• Mains Supply 240VAC 50Hz, Battery Backup.</li> </ul>
<b>INTERNATIONAL SAFETY STANDARD</b>	<ul style="list-style-type: none"> <li>• The equipment must comply to either one of the five international safety standard, namely; US FDA Standard, European Union CE MARK, Australian TGA Standard, Canadian CSA Standard or Japanese JIS Standard.</li> </ul>
<b>TECHNICAL SUPPORT</b>	<ul style="list-style-type: none"> <li>• State number of locally stationed engineers/technicians and the nearest overseas support.</li> </ul>
<b>DIMENSIONS</b>	<ul style="list-style-type: none"> <li>• State overall dimensions of equipment.</li> </ul>
<b>WEIGHT</b>	<ul style="list-style-type: none"> <li>• State nett weight of the equipment.</li> </ul>
<b>EQUIPMENT WHOLE LIFE TIME SUPPORT</b>	<ul style="list-style-type: none"> <li>• Number of years the spare parts are available after the installation of the equipment.</li> </ul>
<b>SITE REQUIREMENT</b>	<ul style="list-style-type: none"> <li>• 3 Phase Mains Supply, Wall Vacuum Outlet, Oxygen Supply Outlet, etc.</li> </ul>

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<b>BROUCHER</b>	<ul style="list-style-type: none"> <li>Tenderers must submit with their offer, a detailed broucher which supports the information the tenderer has entered in the "form-to-be-used (FORM B)" for reference.</li> </ul>
<b>USER AND SERVICE MANUALS:</b>	<ul style="list-style-type: none"> <li>Two hard copies and one soft copy [ PDF FORMAT ] to be submitted to BME office during commissioning.</li> </ul>
<b>SPARE-PARTS AND CONSUMABLES LISTINGS:</b>	<ul style="list-style-type: none"> <li>Comprehensive spare-parts and consumables listings in the form of softcopy must be provided. Listing must have the following details; Part Number and Part Description.</li> </ul>

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<b>WARRANTY PLANNED PREVENTIVE MAINTENANCE:</b>	<ul style="list-style-type: none"> <li>• Minimum of two times PPM per year during the equipment warranty, six months after the date of commissioning and at the end of warranty period.</li> </ul>
<b>TRAINING:</b>	<ul style="list-style-type: none"> <li>• Tenderers are required to conduct technical training to Biomedical Engineers and Technicians.</li> <li>• Training to be conducted locally, tenderers are required to :             <ul style="list-style-type: none"> <li>• Provide training materials, test equipment, demo equipments, etc.</li> <li>• Provide training to two groups of technical staffs.</li> <li>• Provide 2 days (minimum) of training for each group.</li> </ul> </li> <li>• Training to be conducted at the manufacturer's training premises / facilities. Tenderers are required to;             <ul style="list-style-type: none"> <li>• Provide air tickets, accommodation, transportation, etc. for 2 persons.</li> <li>• Provide training for 2 persons.</li> <li>• Minimum no of days for training – 3 days.</li> </ul> </li> </ul>
<b>ON-SITE:  AT MANUFACTURER'S PREMISES:</b>	

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	<b>SECTION I - USER REQUIREMENT</b>	<b>YES</b>	<b>NO</b>	<b>PLEASE SPECIFY THE SPECIFICATION/ SCOPE OFFERED</b> <b>FAILURE TO FILL THE OFFER DETAIL SHALL BE IDENTIFIED AS NON-COMPLIED TO THE OFFER</b>
<b>STANDARD FEATURES:</b>	<ul style="list-style-type: none"> <li>• Physical/Touchscreen alphanumeric keyboard (Please specify)</li> </ul>			
	<ul style="list-style-type: none"> <li>• Has a LCD screen to display waveform graphs and patient information</li> </ul>			
	<ul style="list-style-type: none"> <li>• LCD display size of minimum 8 inch</li> </ul>			
	<ul style="list-style-type: none"> <li>• Built in thermal printer for printouts</li> </ul>			
	<ul style="list-style-type: none"> <li>• Z-fold A4 printing paper</li> </ul>			
	<ul style="list-style-type: none"> <li>• Customizable report formats which will allow the information to be printed the way the user need.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Arrhythmia analysis features</li> </ul>			
	<ul style="list-style-type: none"> <li>• Inclusive of analysis software program for both adult and children</li> </ul>			
	<ul style="list-style-type: none"> <li>• Able to operate on battery</li> </ul>			
	<ul style="list-style-type: none"> <li>• Uses replaceable and rechargeable battery</li> </ul>			
	<ul style="list-style-type: none"> <li>• Battery capacity: at least 3 hours or better (with or without printing)</li> </ul>			
	<ul style="list-style-type: none"> <li>• 12-lead resting ECG which includes accurate ECG measurements and interpretation.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Dedicated function keys to speed-up access to common actions.</li> </ul>			
<ul style="list-style-type: none"> <li>• Has internal memory to store minimum 100 ECGs</li> </ul>				

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	<ul style="list-style-type: none"> <li>• Has external memory card slot</li> </ul>			
	<ul style="list-style-type: none"> <li>• Supplied with compatible external memory card – minimum 32GB</li> </ul>			
	<ul style="list-style-type: none"> <li>• System must be Picture Archiving Communication System (PACS) ready through DICOM standard and open source</li> </ul>			
	<ul style="list-style-type: none"> <li>• Inclusive of PACS license</li> </ul>			
	<ul style="list-style-type: none"> <li>• Connectivity to BRU-HIMS</li> </ul>			
<b>ACCESSORIES</b>				
<b>FOR 12 UNITS OF ECG</b>	<ul style="list-style-type: none"> <li>• Standard ECG Patient cable with clip-on button type or grabber type connector.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Disposable adhesive type conductive ECG Electrode pads 2 boxes- (minimum of 25pcs)</li> </ul>			
	<ul style="list-style-type: none"> <li>• Limb clamps - Four (4) pieces</li> </ul>			
	<ul style="list-style-type: none"> <li>• Z-fold A4 size ECG thermal paper - One thousand (1000) sheets</li> </ul>			
<b>FOR 1 UNIT OF ECG</b>	<ul style="list-style-type: none"> <li>• Standard ECG Patient cable with clip-on button type or grabber type connector.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Disposable adhesive type conductive Paediatric ECG Electrode pads 2 boxes- (minimum of 25pcs)</li> </ul>			
	<ul style="list-style-type: none"> <li>• Limb clamps - Four (4) pieces</li> </ul>			
	<ul style="list-style-type: none"> <li>• Z-fold A4 size ECG thermal paper - One thousand (1000) sheets</li> </ul>			
<b>CART</b>				
<b>For each unit</b>	<ul style="list-style-type: none"> <li>• Trolley should have holder for acquisition module</li> </ul>			
	<ul style="list-style-type: none"> <li>• Trolley should have castor with locking mechanism</li> </ul>			
	<ul style="list-style-type: none"> <li>• Trolley should have drawer for storage of ECG accessories</li> </ul>			



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	<b>SECTION II - PROCUREMENT REQUIREMENT</b>	
<b>BRAND AND MODEL OF EQUIPMENT:</b>		
<b>COUNTRY OF ORIGIN:</b>		
<b>PRICE (CIF) B\$</b>	<b>UNIT PRICE (B\$ CIF):</b>	<b>TOTAL PRICE (B\$ CIF):</b>
<b>WHERE MARKETED:</b>		
<b>YEAR MANUFACTURED:</b>		
<b>WARRANTY:</b>		
<b>DELIVERY TIME:</b>		
<b>PRICE VALIDITY:</b>		

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<b>SECTION III - TECHNICAL REQUIREMENTS</b>	
<b>MAINS POWER SUPPLY:</b>	
<b>BATTERY BACKUP:</b>	
<b>INTERNATIONAL SAFETY STANDARD:</b>	
<b>TECHNICAL SUPPORT:</b>	
<b>DIMENSIONS(mm):</b>	
<b>WEIGHT(in Kg):</b>	
<b>EQUIPMENT WHOLE LIFE TIME SUPPORT:</b>	Number of years, spare parts are available after the installation of the equipment: _____ years.

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		YES	NO
<b>BROUCHER</b>	Detailed broucher submitted?		
<b>USER MANUALS</b>	Tenderers must supply during commissioning, three sets of user manuals, one set must be in the form of soft copy. ( PDF Format )		
<b>SERVICE MANUALS</b>	Tenderers must supply during commissioning, three sets of service manuals, one set must be in the form of soft copy. ( PDF Format ).		
<b>SPARE PARTS AND CONSUMABLES LISTINGS</b>	Tenderers must supply during commissioning, a comprehensive list of equipment spare-parts and consumables in the form of soft copy (e.g: Microsoft EXCEL). The listing must have the following details; 1) Part Number 2) Part Description		
<b>WARRANTY PLANNED PREVENTIVE MAINTENANCE</b>	Tenderers must carry-out a minimum of two times PPM per year during the equipment warranty, starting six months after the date of commissioning.		
<b>TECHNICAL TRAINING:</b>	Tenderers to conduct training to Biomedical Engineers and Technicians.		
<b>ON-SITE:</b>	Training to be conducted locally, tenderers are required to : <ul style="list-style-type: none"> <li>• Provide training materials, test equipment, demo equipments, etc.</li> <li>• Provide training to two groups of technical staffs.</li> <li>• Provide 2 days (minimum) of training for each group.</li> <li>• Training to be conducted at the manufacturer's training premises / facilities. Tenderers are required to; <ul style="list-style-type: none"> <li>• Provide air tickets, accommodation, transportation, etc. for 2 persons.</li> <li>• Provide training for 2 persons.</li> <li>• Minimum no of days for training – 3 days.</li> </ul> </li> </ul>		
<b>AT MANUFACTURER'S PREMISES:</b>			

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