

**SEBUTHARGA**  
**JABATAN PERKHIDMATAN KESIHATAN ALAM SEKITAR**

**RUJUKAN SEBUTHARGA : JPKAS/IKLAN/26-27/02**

**TAJUK SEBUTHARGA : SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING ELEVEN (11) UNITS OF DIGITAL BLOOD PRESSURE SET FOR OCCUPATIONAL HEALTH DIVISION, DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES, MINISTRY OF HEALTH**

	<b>SECTION I - USER REQUIREMENT</b>
<b>STANDARD FEATURES:</b>	<ul style="list-style-type: none"> <li>• Desk model blood pressure monitor for clinical use.</li> <li>• The device must be able to automatically inflate and deflate whilst taking accurate measurements of blood pressure</li> <li>• The device must have a large easy to understand display</li> <li>• Must be able to be powered by AC adapter and normal batteries</li> </ul>
<b>TECHNICAL SPECIFICATIONS:</b>	<ul style="list-style-type: none"> <li>• Measurement range of blood pressure must be up to 300 mmHg with an accuracy within 5%</li> <li>• Supply with Two (2) pieces of standard adult arm cuff &amp; bladder set, single tube (approx. 24 - 34 cm arm circumference)</li> <li>• Supply with Extra Large (XL) adult cuff – 1 piece</li> <li>• The cuff and tubing connectors are detachable and can be easily swapped with different cuff sizes (depending on patient)</li> <li>• The AC Adapter must be able to utilize 220-240 V AC, 50-60 Hz</li> <li>• Easy maintenance – the device and cuffs can be cleaned easily with disinfectant.</li> </ul>
<b>OPERATING CONDITIONS:</b>	<ul style="list-style-type: none"> <li>• Must be able to function in a high temperature, high humidity environment, (temperature up to 45 degrees Celsius, humidity up to 90%)</li> </ul>
<b>STANDARDS:</b>	<ul style="list-style-type: none"> <li>• Has been clinically validated by an independent party and/or established validation protocol - Please provide further details of validation done (unable to fulfill can be disqualified)</li> <li>• Marketed in Asia Pacific region</li> </ul>
<b>CALIBRATION:</b>	<ul style="list-style-type: none"> <li>• Annual calibration of equipment</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>• Not more than two months.</li></ul>
<b>PRICE VALIDITY</b>	<ul style="list-style-type: none"><li>• State number of weeks.</li></ul>

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	<b>TECHNICAL SPECIFICATIONS/REQUIREMENTS</b>
<b>POWER REQUIREMENT:</b>	<ul style="list-style-type: none"> <li>• Mains Supply 240VAC 50 Hz.</li> </ul>
<b>EQUIPMENT AMBIENT OPERATING TEMPERATURE RANGE:</b>	<ul style="list-style-type: none"> <li>• State equipment ambient operating temperature range.</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 standards, 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>• Supplier must guarantee spare parts are available at least for 10 years after the installation of the equipment.</li> </ul>
<b>BROCHURE:</b>	<ul style="list-style-type: none"> <li>• Tenderers must submit with their offer, a detailed brochure 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 soft copy must be provided. Listing must have the following details; Part Number and Part Description.</li> </ul>
<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>

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<p><b>TRAINING:</b></p> <p><b>ON-SITE:</b></p>	<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 equipment, etc.</li><li>• Provide training to two groups of technical staff.</li><li>• Provide 2 days (minimum) of training for each group.</li><li>• Training to be conducted at HTD MOH or user site.</li></ul></li></ul>
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	<b>SECTION I - USER REQUIREMENTS</b>	<b>YES</b>	<b>NO</b>	<b>If 'NO', Please State Alternative Offer (unable to state offer can be disqualified)</b>
<b>STANDARD FEATURES:</b>	<ul style="list-style-type: none"> <li>• Desk model blood pressure monitor for clinical use.</li> </ul>			
	<ul style="list-style-type: none"> <li>• The device must be able to automatically inflate and deflate whilst taking accurate measurements of blood pressure</li> </ul>			
	<ul style="list-style-type: none"> <li>• The device must have a large easy to understand display</li> </ul>			
<b>TECHNICAL SPECIFICATIONS:</b>	<ul style="list-style-type: none"> <li>• Must be able to be powered by AC adapter and normal batteries</li> </ul>			
	<ul style="list-style-type: none"> <li>• Measurement range of blood pressure must be up to 300 mmHg with an accuracy within 5%</li> </ul>			
	<ul style="list-style-type: none"> <li>• Supply with Two (2) pieces of standard adult arm cuff &amp; bladder set, single tube (approx. 24 - 34 cm arm circumference)</li> <li>• Supply with Extra Large (XL) adult cuff – 1 piece</li> </ul>			
	<ul style="list-style-type: none"> <li>• The cuff and tubing connectors are detachable and can be easily swapped with different cuff sizes (depending on patient)</li> </ul>			
<b>OPERATING CONDITIONS:</b>	<ul style="list-style-type: none"> <li>• The AC Adapter must be able to utilize 220-240 V AC, 50-60 Hz</li> </ul>			

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<b>STANDARDS:</b>	<ul style="list-style-type: none"> <li>• Easy maintenance – the device and cuffs can be cleaned easily with disinfectant.</li> </ul>			
	<ul style="list-style-type: none"> <li>• Must be able to function in a high temperature, high humidity environment, (temperature up to 45 degrees Celsius, humidity up to 90%)</li> </ul>			
	<ul style="list-style-type: none"> <li>• Has been clinically validated by an independent party and/or established validation protocol - Please provide further details of validation done (unable to fulfill can be disqualified)</li> </ul>			
	<ul style="list-style-type: none"> <li>• Marketed in Asia Pacific region</li> </ul>			
<b>CALIBRATION:</b>	<ul style="list-style-type: none"> <li>• Annual calibration of equipment</li> </ul>			

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

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SECTION III - TECHNICAL REQUIREMENTS	
<b>MAINS POWER SUPPLY:</b>	
<b>EQUIPMENT AMBIENT OPERATING TEMPERATURE RANGE:</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>BROCHURE:</b>	Detailed brochure 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; <ul style="list-style-type: none"> <li>• Part Number</li> <li>• Part Description</li> </ul>		
<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.		

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<b>TECHNICAL TRAINING:</b>  <b>ON-SITE:</b>	Tenderers to conduct training to Biomedical Engineers and Technicians.		
	<ul style="list-style-type: none"> <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 staff</li> <li>• Provide 2 days (minimum) of training for each group.</li> <li>• Training to be conducted at HTD MOH or user site.</li> </ul> </li> </ul>		

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