

**BIL. SEBUTHARGA/QUOTATION REF: UBD/Q/144/2022 - [G]  
(FOS)**

**TITLE :TO SUPPLY, DELIVER, INSTALL AND COMMISSION ONE (1) UNIT OF SINGLE MONOCHROMATOR UV-VIS SPECTROPHOTOMETER AND ONE (1) UNIT INTEGRATING SPHERE ATTACHMENT COMPLETE WITH ACCESSORIES TO CHEMISTRY, FACULTY OF SCIENCE, UNIVERSITI BRUNEI DARUSSALAM.**

No.	Quantity	SPECIFICATIONS
1	1 LOT	<p><b>SINGLE MONOCHROMATOR UV-VIS SPECTROPHOTOMETER AND INTEGRATING SPHERE ATTACHMENT COMPLETE WITH ACCESSORIES</b></p> <p><b>MAIN UNIT</b></p> <ul style="list-style-type: none"> <li>1) Single monochromator uv-vis spectrophotometer - 1 unit               <ul style="list-style-type: none"> <li>- measurement mode: spectral, quantitative, photometric and time-course</li> <li>- wavelength range: 185nm – 900nm or Better</li> </ul> </li> <li>2) Integrating sphere attachment - 1 unit               <ul style="list-style-type: none"> <li>- Uses for relative diffuse or specular reflectance measurement</li> <li>- angle of incidence 0 degree to 8 degree or Better</li> <li>- wavelength range: 220nm – 1400nm or Better</li> <li>- compatible reflectance sample at 0 degree angle of incidence Wide 95 mm x Height 135 mm x Thickness 20 mm or Better</li> <li>- compatible reflectance sample at 8 degree angle of incidence Wide 70 mm x Height 70mm x Thickness 12 mm or Better</li> </ul> </li> </ul>
		<p><b>Accessories</b></p> <ul style="list-style-type: none"> <li>4) UV 10mm Cell - 2 unit</li> <li>5) Microfiber cleaning cloth - 1 unit</li> <li>6) Film holder - 1 unit (sample size min. W16mm x H 32mm to max. W 80mm x H 40mm or Better)</li> <li>7) Powder sample holder for Integrating sphere - 1 unit</li> <li>8) Data management system - 1 lot</li> <li>b) Window 10 home 64 bit or Better</li> <li>c) Microsoft Office Home and Business 2021 or Better</li> <li>d) 3 Years Antivirus and Internet security or Better</li> <li>e) Color Laserjet Printer</li> <li>9) 1 KVa UPS with extension cord 4 or more 13 Amp UK plug socket. - 1 unit</li> </ul>
		<p><b>Training</b></p> <ul style="list-style-type: none"> <li>· The supplier must provide training for the users of the instruments at site after installation and commissioning. Details of the training program must be attached with the tender.</li> </ul>
		<p><b>System Warranty and Technical Support</b></p> <ul style="list-style-type: none"> <li>· On-site installation, commissioning, and training (one vendor support) by factory-trained Engineer is required</li> <li>· The Tenderer must have a local dedicated team, consists of sales, engineers and application engineers from direct factory/manufacturer for optimum support of the system</li> <li>· The supplier must demonstrate that it has a proven appropriate set-up and capability to provide after-sales service efficiently and effectively. The supplier should have similar system in Brunei to that proposed in this tender for reference purpose.</li> <li>· Comprehensive support for equipment for a period of <b>12 months</b> which will consist of the following at <b>no extra cost</b>:               <ol style="list-style-type: none"> <li>1. Unlimited service calls</li> <li>2. Travel and Labor expenses of Customer Engineer</li> <li>3. Service Parts used for repairs</li> </ol> </li> </ul> <p>The warranty shall commence only upon successful completion of the Acceptance Test or commissioning.</p>