

**BIL. SEBUTHARGA/QUOTATION REF.: UBD/Q/263/2021- [G]  
(FIT)**

**TITLES: TO SUPPLY, DELIVER, INSTALLATION AND TESTING & COMMISSIONING OF  
CUSTOMED SOLAR PV SYSTEM COMPLETE WITH IOT MONITORING SYSTEM  
INTEGRATION IN A SINGLE PLATFORM, UNIVERSITI BRUNEI DARUSSALAM**

No.	Quantity	SPECIFICATION
1	1 LOT	<p><b>CUSTOMED SOLAR PV SYSTEM COMPLETE WITH IOT MONITORING SYSTEM INTEGRATION IN A SINGLE PLATFORM</b></p> <p><i>Full specification:</i></p> <ul style="list-style-type: none"><li>1. 460W monocrystalline, 98B solar panel</li><li>a. 10 degree tilt solar mounting system with 6 nos concrete base</li><li>b. IP65 PV combined box, 200m solar cable pairs, MC4 connectors</li><li>c. Three-phase 5KW kit complete with remote monitoring system integration</li><li>d. Tri-element weather monitoring kit complete with remote monitoring integration</li><li>e. 100m CAT6 cable, 100m 4C/4mm<sup>2</sup> cable, weatherproof AC isolator, TPN 16A AC MCB</li><li>f. Monitoring system consisted of the required parameters: DC power, DC current, DC voltage, AC output power, solar irradiance, cell temperature for panel, PV energy production, ambient temperature, inverter efficiency, self-consumption, daily PR</li><li>g. IEC standards in compliance with current Ministry of Energy requirement</li><li>h. 2 years warranty subscription.</li></ul>

