

# MAKLUMAT SPESIFIKASI ITEM

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## MAKLUMAT SPESIFIKASI ITEM

<b>No Pelawaan</b>	: UiTM/B1/PER/SHR/B/0725/0041
<b>Butiran Tawaran</b>	: Cadangan Membekal, Menghantar, Memasang, Mengujilari Dan Menyelenggara Peralatan Pengajaran dan
<b>Keterangan Item</b>	: 0609030200104 : Power Supply / Switching Power Supply
<b>Nama Spesifikasi</b>	: FKE SEMIKONDUKTOR 2025 : Triple Output Programmable DC Bench Power Supply
<b>Kuantiti</b>	: 3.000

### Butiran Keperluan

#### 1 GENERAL REQUIREMENTS :

I Vendors must comply with all the requirements specified in this tender document.

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II Vendors must bear all costs of supplying the specified quantity of items to UiTM. Such costs shall include the costs of delivery, installation, commissioning, training, troubleshoot and maintenance work (including parts labour and on-site service) within the specified warranty period

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#### 2 GENERAL SPECIFICATION :

I Triple Output Programmable DC bench power supply

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II 7-inch colour wide video graphics array display (WVGA)

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III Output terminal : 3 Triple Output DC Bench Power Supply

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IV Size & Weight :

-Dimensions : 165mm (Max) × 314mm (Max) × 241mm (Max)

-Weight : Not more than 9.9kg

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**Butiran Keperluan**

V Power Output : 90W  
-Channel 1 : 0-6V / 0-5A  
-Channel 2 & 3 : 0-30V / 0-1A each

VI Regulation :  
-Load : Voltage 0.01% + 2mV | Current 0.2% + 10mA  
-Line : Voltage 0.01% + 2mV | Current 0.2% + 10mA

VII Accuracy (Programming & Readback) :  
-Voltage : up to ±0.05% + 10mV  
-Current : up to ±0.2% + 10mA

VIII Load Transient Recovery : 50 µs within a 15 mV band

IX Output Ripple & Noise :  
-Voltage : 1 mVrms / 5 mVpp  
-Current : 4 mArms

X Protection Activation Time :  
-OVP & OCP : 5 ms

XI Temperature Coefficient : Very low, ensuring stability across temperature changes

XII Included Accessories:  
-Test leads  
-AC power cord  
-Banana to alligator clips

X Power cord : UK Plug

**3 CATALOGUES / BROCHURES :**

I Vendors must provide the catalogues / brochures / technical specification manuals with the tender proposal.

II Original copies catalogue of user, brochure, operational manual and clear technical specification of the equipment must be provided

III Please include a drawing illustrating connection between the components. (if relevant)

IV The equipment must be supplied with latest programming software and compatible to operate via latest Windows operating system. (if relevant)

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**Tawaran Syarikat**

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**Butiran Keperluan**

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V The equipment offered by vendor must be of the latest available model.	<input type="checkbox"/>	
4 TRAINING :		
I Tenderers are required to provide training for the use, maintenance and troubleshoot of the equipment to the Technical Staff & Lecture of Electrical Engineering School, College of Engineering, UiTM Shah Alam and all training-related costs are borne by the tenderers.	<input type="checkbox"/>	
II A minimum of one (1) days training for a minimum of five (5) participants covering each module. (Vendors must provide details/syllabus of the training module)	<input type="checkbox"/>	
III Complete training materials and documentation must be provided to all participants	<input type="checkbox"/>	
IV The training MUST be conducted by trainers who are certified by principal. Please attach the trainer's certification that is certified by principal supplier.	<input type="checkbox"/>	
5 WARRANTY AND SUPPORT :		
I Warranty for the equipment is three (3) years warranty.	<input type="checkbox"/>	
II Installation, maintenance, testing and commissioning of the entire system should be completed within (12) week from the delivery date.	<input type="checkbox"/>	
III Vendors must have local service for repair services and provide on call services when required by UiTM	<input type="checkbox"/>	
IV Vendors must provide details of warranty. INCLUDING ALL parts, labour, basic phone support for hardware issue, repairs onsite) Please attach the Letter of Warranty (LOW) from the principle, which states that UiTM is entitled to 3 years of warranty upon project completion	<input type="checkbox"/>	
V Vendors be responsible for the installation, commissioning and test-run of the equipment and accompanying software (if applicable) to the satisfaction of UNIVERSITI TEKNOLOGI MARA before final acceptance.	<input type="checkbox"/>	
VI All cost on delivery. installation, commissioning and test run shall be borne by the vendor	<input type="checkbox"/>	
VII The vendors MUST provide a genuine product. The vendors must be supported back-to-back by a principle (manufacturer) to provide maintenance services for equipment supplied. The vendors should attach a Letter of Authorization (LOA) from Distributors/ Principal.	<input type="checkbox"/>	
VIII Free support through fax, email, telephone must be provided during the warranty period	<input type="checkbox"/>	

**Butiran Keperluan**

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**Tawaran Syarikat**

6      OTHER REQUIREMENTS :

I    Note that all other related material, components and cabling, which are required to ensure full operation of the above package must be supplied and borne by vendors

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