

MAKLUMAT SPESIFIKASI ITEM

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No Pelawaan	: UiTM/B2/PER/SHR/B/0625/0007
Butiran Tawaran	: CADANGAN MEMBEKAL, MENGHANTAR, MEMASANG, MENGUJILARI DAN MENYELENGGARA PETI SEJUK
Keterangan Item	: 0609030200018 : Chiller/Freezer/Lab Refrigerator/Coolroom/Freezer Room
Nama Spesifikasi	: AuRIns - Ultra-Low Temperature Freezer (-86°C)
Kuantiti	: 1.000

Butiran Keperluan

- 1 All items must be delivered and installed at the Bioassay Laboratory, AuRIns, Level 9, Building FF3, UiTM Puncak Alam Campus
- 2 Freezer Specification

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Tawaran Syarikat

I Cabinet: Vertical/upright

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II Direct cooling

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III Temperature range: **-40°C ~ -86°C**

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IV Capacity: **828L and above**

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V Exterior Dimention (**MUST NOT EXCEED THIS MEASUREMENT**)

Height: 1980mm

Length: 1200mm

Width: 1000mm

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*This is the maximum size that can fit in the elevator at Building FF3 (lif Bomba)

Butiran Keperluan

VI Controller: Microprocessor

VII Display: LED

VIII Alarm (Sound, Light, Remote)

- 1. High/Low temperature alarm
- 2. Sensor error
- 3. Low battery
- 4. Door ajar
- 5. power failure
- 6. Hot condensor
- 7. High ambient

IX Inner doors: 4 (individual and insulated)

X Shelves: 4 including rack accessory for 1 shelf

XI Must have USB Port and Interface for data monitoring

XII Must have door heating system

XIII Can be locked for security purposes

XIV Power Supply : approximately at 220 V - 240 V / 50 Hz

XV Low energy consumption

XVI Silent type compressor : must be less than 55dB

XVII Must come with data logger with real time monitoring and can send real time alarm/notification to phone or email

XVII Must include Uninterruptible Power Supply (UPS) as battery backup (can supply for at least 30 minutes)

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Tawaran Syarikat

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Butiran Keperluan

XIX Temperature accuracy: **0.1°C**

XX Brand: Haier or equivalent

- 3 Warranty : 5 years **parts and labour**, including **one preventive maintenance service every year of the warranty**.
- 4 Training and commissioning must be done during delivery after installation
- 5 Installation of freezer must be done along with data logger and UPS
- 6 Simple Standard Operational Procedure (SOP) must be included.

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Tawaran Syarikat
