

### Summary

#### Proposed Monthly Inspection of Electrical Installation by Visiting Engineer at International Islamic University Malaysia (IIUM) Kuantan Campus

Item	Description	Amount (MYR)
1	Carry out monthly visit to 33kV and 11kV electrical installation at IIUM Gombak	
Total Amount for 12 months (MYR)		
Total Amount for 24 months (MYR) - Optional		

THE TOTAL AMOUNT OF THE TENDER FOR 12 MONTHS IN WORDS:  
**RINGGIT MALAYSIA:**

I hereby certify that all descriptions are correct and all the offered price included the costs involved in refining by this tender.

Signature of Tenderer:

Signature of Witness:

.....

.....

Name:

Name:

Designation:

Designation:

Date:

Date:

Company Stamp:

Company Stamp:

## SPECIFICATION OF SERVICES

1 The specification of Services to be carried out by the Contractor as follows: -

### 1.1 Inspection and Report

a) The Contractor shall inspect the electrical installation in accordance to the Electricity Regulations 1994 and furnish the report from the findings, recommendations and instructions. The report shall be submitted to the Energy Commission and DBSB within two weeks after the inspection. The quantity of the inspection shall be complied with **Regulation 67**.

b) The Contractor shall immediately inform DBSB for any major defects in the electrical installations which probably can cause any potential hazards.

### 1.2 Technical Advice

- a) The Contractor shall provide a technical advice or condition appraisal for the electrical installations which are under this contract when as needed.
- b) Prepare electrical report for any damages / breakdown / recommendation.
- c) To attend any monthly meeting required by DBSB Representative / Management (as required).

## SECTION 1 - 33kV

- i. The Contractor shall be responsible for the supervision, operation (switching), inspection and recommendation for the 33kV installations.

No	Type	Quantity	Installation Capacity (kV)
1	PMU	1	33/11

- ii. The Contractor is expected to delineate the related scope to be inspected and submit the checklist for DBSB approval throughout the Contract Period. Contractor will contribute to continuously improve and update the checklist and the approve check list shall be used during execution of the

Contract. The following are the example of scopes are expected to be covered by the Contractor but not limited to:

- . GIS local control panel
- . SF6 GIS breaker
- . SF6 monitoring box
- . Lightning arrester
- . Battery charger
- . Vacuum Circuit breaker
- . NER
- . Protection relay
- . Transformer

iii. The checklist shall be submitted to DBSB together with **FORM I** Energy Commission

## SECTION 2 - 11kV

i. The Contractor shall be responsible for the inspection and recommendation for the all 11kV installations in the list below:

No	Type	Quantity	Installation Capacity (kV)
1	Substation	33	1 1/0.433

ii. The Contractor is expected to delineate the related scope to be inspected and submit the checklist for DBSB approval throughout the Contract Period. The Contractor will contribute to continuously improve and update the checklist and the approved checklist shall be used during execution of the Contract. The following are the example of scopes are expected to be covered by the Contractor but not limited to:

- . Vacuum Circuit breaker
- . Battery charger
- . LV Switch Room
- . AMF Boards
- . Standby Generator Set (13 NOS )
- . Protection relay
- . Transformer

iii. The checklist shall be submitted to DBSB together with **FORM I** Energy Commission

### 1.3 Contractor Requirement

- a) The Contractor shall hold a certificate of competency as an Electrical Services Engineer or as a Competent Electrical Engineer as in the Electricity Regulations 1994.
- b) The Contractor also shall possess a valid registration with Suruhanjaya Tenaga Malaysia.

### Bill Of Quantity (BQ)

Carry out monthly visits to 33kV and 11kV electrical installation at IIUM Gombak by a competent engineer with installation details as follows

Item	Description	Frequency	Unit	Qty	Rate per visit (RM)	Total Amount
A	PMU 33kV/11kV	Four (4) visit/month	visit	48		
B	Substation 11kV /433V  1. CAC ( Standby Generator Set 400 kVA) 2. ENGINEERING 0 (Standby Generator Set 350 kVA) 3. HUMAN SCIENCE (Standby Generator Set 350 kVA) 4. LIBRARY ( Standby Generator Set 500 kVA & 300 kVA) 5. KAED ( Standby Generator Set 600 kVA) 6. ADMIN ( Standby Generator Set 650 kVA) 7. AUDITORIUM ( Standby Generator Set 300 kVA) 8. EDUCATION ( Standby Generator Set 500 kVA) 9. LANGUAGE CENTRE (Standby Generator Set 500 kVA) 10. ENGINEERING 1 (Standby Generator Set 750 kVA) 11. ENGINEERING 5 ( Standby Generator Set 750 kVA) 12. KICT ( Standby Generator Set 400 kVA)	Two (2) visit/month	visit	24		

	<b>13. SAFFIYAH/ZUBAIR</b> <b>14. SALLAHUDDIN</b> <b>15. APPARTMENT</b> <b>16. BUNGLOW</b> <b>17. WADI BUDI</b> <b>18. LAW</b> <b>19. AMINAH</b> <b>20. ASIAH</b> <b>21. RUQAYAH</b> <b>22. HALIMAH/MARIAM</b> <b>23. NUSAIBAH/SUMAYYAH</b> <b>24. FEMALE SPORT COMPLEX</b> <b>25. MALE SPORT COMPLEX</b> <b>26. ECONOMY</b> <b>27. FAROUQ/UTHMAN</b> <b>28. SIDIK/ALI</b> <b>29. BILAL</b> <b>30. AHBC</b> <b>31. MOSQUE</b> <b>32. HAFSA/ASMA</b> <b>33. LTAT</b>					
<b>Total</b>						