

SARAWAK ENERGY BERHAD  
From: Procurement & Contract Division  
Distribution Department  
Kuching 93050  
Sarawak Malaysia



Our Ref.: PUR 22/14/AHA

Date: 3<sup>rd</sup> November 2014

To: UPK Registered Tenderers  
**Head VIIB, Class III or above**  
**Sub-Head 1c or above and**  
**Sub-Head 2b or above or**  
**Sub-Head 4b or above**  
**CIDB G2 or above, Category ME (E04 & E05)**  
Menara Sarawak Energy,  
No. 1, The Isthmus,  
93050 Kuching, Sarawak

Dear Sir/Madam,

**TENDER FOR INSTALLATION AND DISMANTLING OF SUBSTATION & 11kV  
UNDERGROUND/AERIAL CABLE JOINTING IN KUCHING, WESTERN REGION**

**TENDER REF.: PUR 22/14**

You are cordially invited to tender for services listed in the attached schedule.  
Please refer to Tender Document for the instructions & conditions to tender. Tenders are to be submitted in  
sealed plain envelope marked:

- 1. "CONFIDENTIAL" – TENDER FOR INSTALLATION AND DISMANTLING OF  
SUBSTATION & 11kV UNDERGROUND/AERIAL CABLE JOINTING IN  
KUCHING, WESTERN REGION.**
- 2. Tender Ref.: PUR 22/14**
- 3. Closing date and time: 26<sup>th</sup> November 2014 at 3.00 p.m.**

addressed to:

**The Chief Executive Officer,  
Sarawak Energy Berhad,  
c/o The Officer-In-Charge,  
Tender Box, 8<sup>th</sup> Floor,  
Menara Sarawak Energy  
No. 1, The Isthmus,  
93050 Kuching, Sarawak.**

or hand-delivered to:

**The Officer-In-Charge  
Tender Box, 8<sup>th</sup> Floor,  
Sarawak Energy Berhad,  
Menara Sarawak Energy,  
No. 1, The Isthmus,  
93050 Kuching, Sarawak.**

and to reach the Tender Box addressed above on or before **26<sup>th</sup> November 2014 at 3.00 p.m.**

Yours faithfully,

Leonora Liong Peh Ling  
for **CHIEF EXECUTIVE OFFICER**

## **INSTRUCTIONS TO PERSONS TENDERING**

1. The Tenderer must be a registered Contractor with the following:-
  - a) UPK under Works Head VIIB, Class III under the following sub-heads;
    - **1c (for Cable Jointing up to 11kV) or above AND**
    - **2b (for Overhead Lines up to 33kV) or above OR**
    - **4b (for Switchgear and Substation up to 33kV) or above**
  - b) **CIDB Grade G2 or above, Category ME, E04 (Low Voltage Installation) & E05 (High Voltage Installation)**

Tenderers are required to submit proof of UPK and CIDB registrations together with their tender submission.

2. This Tender is for **INSTALLATION AND DISMANTLING OF SUBSTATION & 11kV UNDERGROUND/AERIAL CABLE JOINTING IN KUCHING, WESTERN REGION**

This tender comprises the following different aspects of work:-

- Installation and dismantling of substation works up to 33KV
- 11kV Underground / Aerial Cable jointing

The specifications for this tender cover the following areas:

- A) **Kuching Zone**  
Kuching City area
- B) **Kota Samarahan/ Batu Kitang Zone**  
This covers the whole Kota Samarahan area with Batang Samarahan acting as the boundary between Asajaya zone. Along Kuching/ Serian road this zone extends up to 12<sup>th</sup> mile area and along Kuching/ Bau road up to Batu Kitang bridge including Jalan Stephen Yong.
- C) **Petra Jaya Zone**  
This covers Petra Jaya area, east bound up to Bako/ Muara Tebas; North bound up to Damai/ Santubong/ Buntal and Matang lines; west bound up to P.195 Matang-Bau feeder, Batu Kawa/ Bau Road.

**All areas under Kuching Station's jurisdiction & all the HT/LT system connected to the SESCO system at those areas.**

**A minimum of ONE competent person in H2 (OH) up to 33kV and ONE Cable Jointer up to 11kV with valid CAAC certificate issued by the Company is required for this Contract.**

## **TENDER SPECIFICATION**

### **A1: SPECIFICATIONS FOR THE INSTALLATION AND DISMANTLING OF SUBSTATION EQUIPMENT**

#### **1.0 Scope of Works and Coverage Area**

This specification covers:

- 1) The supply of labour and tools for the issue of switchgear, transformer, insulating oil, compact substation and substation accessories from the Company's store or workshop;
- 2) The transportation of switchgear, transformer, pillar, compact substation and other materials to work site and installation on to plinths/platforms/poles, installation of substation earthing and other works required until formal completion of the substation up to commissioning.
- 3) The supply of labour and tools for the dismantling of pillar, switchgear, transformer and substation accessories from the plinths/platforms/poles, transportation of switchgear, transformer, pillar and other materials from the work site back to the Company's store.

Areas covered under this contract are as follow:-

A) **Kuching Zone**  
Kuching City area

B) **Kota Samarahan/ Batu Kitang Zone**  
This covers the whole Kota Samarahan area with Batang Samarahan acting as the boundary between Asajaya zone. Along Kuching/ Serian road this zone extends up to 12<sup>th</sup> mile area and along Kuching/ Bau road up to Batu Kitang bridge including Jalan Stephen Yong.

C) **Petra Jaya Zone**  
This covers Petra Jaya area, east bound up to Bako/ Muara Tebas; North bound up to Damai/ Santubong/ Buntal and Matang lines; west bound up to P.195 Matang-Bau feeder, Batu Kawa/ Bau Road.

**All areas under Kuching Station's jurisdiction & all the HT/LT system connected to the SESCO system at those areas.**

#### **2.0 Materials**

Unless otherwise specified or authorized by the Company's Representative, the Company will supply all materials.

### **3.0 Tools**

The Contractor must provide all tools that are necessary for substation electrical equipment installation works.

### **4.0 Competency and Contractor Pass**

Tender submission **shall not be** considered for adjudication for those tenderer(s), who do not submit a list of minimum number of competent person(s), holding:-

- 1) Valid competency certificate for **CAAC category in H2 (OH) up to 33kV and Cable Joints up to 11kV.**
- 2) Valid Contractor Pass.

The competent person(s) is required to produce the Contractor Pass on site when requested by the company's representatives. For the first offence where the Contractor or Contractor's workers fail to comply with this requirement, "STOP WORK" notice and a letter of warning will be issued to the Contractor.

For the second offence, apart from issuing "STOP WORK" notice and warning letter to the Contractor, the Contractor can be suspended for one week, up to a maximum of three months period if necessary, pending on the jurisdiction of the **Authorized Officer**. The Company reserves the right to employ other contractor(s) to carry out the Works for that period and the Company shall be entitled to recover from the Contractor any of the cost thereof or deduct the same from any monies due or that become due to the Contractor.

For the third and subsequent offence, apart from issuing "STOP WORK" notice, the Company reserves the right to terminate the Contract and to bar the Contractor from participating in any distribution service tender for a period of one year.

If the appointed tenderer(s) is to submit names of competent persons registered under another company other than their own, a letter of commitment from the competent person or MOU is required.

### **5.0 Supervision**

The Contractor shall provide efficient supervision of the works, and appoint a Site Supervisor(s), who can understand explanation and carry out instructions given by the Company's Representative. Any orders or instructions which the Company's Representative may give to the Contractor's supervisor(s) shall be deemed to have been given to the Contractor.

A minimum of **ONE competent person with valid CAAC certificate** issued by the Company is required for this Contract.

The Contractor shall provide a complete list of competent workers and fill in all their names in **Schedule B – Schedule of Skilled Technicians and Labourers**.

## **A2: SPECIFICATIONS FOR THE 11 kV UNDERGROUND / AERIAL CABLE JOINTING**

### **1. SCOPE OF WORK**

This tender is for the Underground / Aerial Cable jointing for areas covered under Kuching Region. These areas are subdivided as follows:

A) **Kuching Zone**  
Kuching City area

B) **Kota Samarahan/ Batu Kitang Zone**  
This covers the whole Kota Samarahan area with Batang Samarahan acting as the boundary between Asajaya zone. Along Kuching/ Serian road this zone extends up to 12<sup>th</sup> mile area and along Kuching/Bau road up to Batu Kitang bridge including Jalan Stephen Yong.

C) **Petra Jaya Zone**  
This covers Petra Jaya area, east bound up to Bako/ Muara Tebas; North bound up to Damai/ Santubong/ Buntal and Matang lines; west bound up to P.195 Matang-Bau feeder, Batu Kawa/ Bau Road.

All areas under Kuching station's jurisdiction and all the HT/LT system connected to the SESCO system at those areas.

This Specification covers the following scope of work:

a) The supply of labour, tools, transport and materials where specified like minor items such as PVC tape, cleaning cloth etc in this Specifications, necessary for the satisfactory execution of jointing of distribution cables.

It shall not include the excavation of joint/termination holes. The joint/termination holes will be prepared by the cable laying contractor. However, where necessary, the Contractor is required to carry out some clearing, levelling and pumping out of water accumulated in the joint/termination hole if required before commencement of work.

### **2. COMMENCEMENT OF JOINTING WORKS**

Unless the joints are new circuits, no work shall commence without the issue of a Electrical Permit-to-work by the Company's Authorised Representative. The Contractor is required to confirm with the Company's Representative that the circuit is dead and earthed before proceeding with the work. The Contractor shall nominate the name(s) of Competent Person(s) to receive the Electrical Permit-to-work who shall be on site full time.

Where shutdown of overhead lines is involved, the overhead lines concerned shall be isolated by the Company's Representative, who is also an Authorised Switching Personnel and to issue the Electrical Permit to Work to the Contractor's Competent Person who shall then earth the overhead lines, using operating rod and overhead earthing set.

Before commencement of jointing works, the Contractor shall check the condition of the cable(s) concerned and the jointing kits (supplied by the SESCO). Should the Contractor detect any unsatisfactory conditions on the cables and/or jointing kits, he shall notify the Company's Representative, in writing and seek instructions on further actions.

### 3. **COMPETENCY AND CONTRACTOR PASS**

Tender submission **shall not be** considered for adjudication for those tenderer(s), who do not submit a list of minimum number of the following person(s):-

#### a) **CAAC competency category on HV cable jointing up to 11KV, holding relevant valid competency certificate issued by the Company.**

For purpose of acquiring an 11 kV Cable Jointing competency certificate, the following shall be completed:-

- 1) To attend and pass the Course on Basic First Aid or CPR
- 2) To attend the Course on 11 kV Underground Cable Jointing Practices
- 3) To apply to SESCO Competency and Authorisation Committee (CAAC)
- 4) To attend and pass the Grading of 11 kV Cable Jointer
- 5) To be interviewed and assessed by CAAC interviewing panel
- 6) CAAC to issue Cable Jointing Certificate and Contractor Pass upon satisfactory result of the interview and assessment.

The Contractor shall have all their competent person(s) issued with the Company's relevant contractor pass and will be required to produce the pass on site when requested by the Company's Representative. For the first offence where the Contractor or Contractor's workers fail to comply with this requirement, "STOP WORK" notice and a letter of warning will be issued to the Contractor.

For the second offence, apart from issuing "STOP WORK" notice and warning letter to the Contractor, the Contractor can be suspended for one week, up to a maximum of three months period if necessary, pending on the jurisdiction of the **Authorized Officer**. The Company reserves the right to employ other contractor(s) to carry out the Works for that period and the Company shall be entitled to recover from the Contractor any of the cost thereof or deduct the same from any monies due or that become due to the Contractor.

For the third and subsequent offence, apart from issuing "STOP WORK" notice, the Company reserves the right to terminate the Contract and to bar the Contractor from participating in any distribution service tender for a period of one year.

If the appointed tenderer(s) is to submit names of competent persons registered under another company other than their own, a letter of commitment from the competent person or MOU is required.

**4. SUPERVISION**

The Contractor shall provide efficient supervision of the works, and appoint a Site Supervisor(s), who can understand explanation and carry out instructions given by the Company's Representative. Any orders or instructions which the Company's Representative may give to the Contractor's supervisor(s) shall be deemed to have been given to the Contractor.

The Contractor is to ensure that only qualified jointers, with Certificate of Competency on jointing of relevant voltage level issued by CAAC, carry out the jointing works, and no other personnel shall be allowed to the jointing works.

A minimum of **ONE certified 11KV cable jointer, with valid CAAC certificate** issued by the Company is required for this Contract.

The Contractor shall provide a complete list of competent workers and fill in all their names in **Schedule B – Schedule of Skilled Technicians and Labourers**.