



## INVITATION FOR BIDS

### TENDER FOR THE SUPPLY AND DELIVERY OF SUBSTATION EQUIPMENT FOR KALABO UNDER LOT 1 - 4 – ZESCO/093/2018

1. ZESCO Limited invites sealed bids through Open International Competitive Bidding process for the supply and delivery of Substation Equipment for Kalabo as per detailed schedule of requirements and technical specifications provided in the bidding document. The summary of the requirements is as shown in Table 1 below.

**Table 1: Schedule of Requirements**

LOT	DESCRIPTION	UNIT	QTY	DELIVERY PERIOD	DELIVERY PLACE
<b>1</b>	<b>66, 33, 11 kV Instrument Transformers</b>				
<b>1.1</b>	33kV Neutral Current Transformer, 200 - 100/1/1 X/5P20, 15VA, post mounted	No.	2	6-10 weeks	Lusaka Central Stores
<b>1.2</b>	11kV Neutral Current Transformer, 600 - 300/1/1 X/5P20, 15VA, for post mounting.	No.	2	6-10 weeks	Lusaka Central Stores
<b>1.3</b>	33kV Current Transformer, 200-100/1/1/1 X/5P20/0.5, 15VA complete with support structure	No.	12	6-10 weeks	Lusaka Central Stores
<b>1.4</b>	66kV Current Transformer 100-50/1/1/1, X/5P20/0.5, 15VA complete with support structure	No.	9	6-10 weeks	Lusaka Central Stores
<b>1.5</b>	66kV Current Transformer 200-100/1/1/1, X/5P20/0.5, 15VA complete with support structure	No.	3	6-10 weeks	Lusaka Central Stores
<b>1.6</b>	Voltage Transformer: 66/√3/0.11/√3/0.11/√3kV, 100VA, Class 0.5, 3P, c/w support structure	No.	3	6-10 weeks	Lusaka Central Stores
<b>1.7</b>	Factory Acceptance				

LOT	DESCRIPTION	UNIT	QTY	DELIVERY PERIOD	DELIVERY PLACE
	Travel for Inspections and FAT of instrument transformer; all-expenses paid: air tickets, local travel, per diem at US\$365/day, accommodation and meals for two (2) ZESCO staff for 7 days				
<b>2</b>	<b>66, 33, 11 kV Switchgear</b>				
<b>2.1</b>	66kV Circuit Breaker (SF6, 1600A, complete with support structure)	No.	3	6-10 weeks	Lusaka Central Stores
<b>2.2</b>	66kV Isolator, 800A, Single side break, without earth switch, complete with support structure	No.	4	6-10 weeks	Lusaka Central Stores
<b>2.3</b>	66kV Isolator, 800A, gang switch, with earth switch, complete with support structure	No.	6	6-10 weeks	Lusaka Central Stores
<b>2.4</b>	33kV Circuit Breaker, SF6, 1600, complete with support structure	No.	4	6-10 weeks	Lusaka Central Stores
<b>2.5</b>	33kV Isolator, 1250A, including support structure complete with earth switch	No.	2	6-10 weeks	Lusaka Central Stores
<b>2.6</b>	Eight (08) 11kV indoor vacuum circuit breaker (05 outgoing feeder circuit breakers, 01 bus section circuit breaker, and 02 incomer circuit breakers) switchboard complete with 1200 A bus bars and associated CTs/VTs, feeder protection, monitoring, control and kVA/kWh metering.	Item	1	6-10 weeks	Lusaka Central Stores
<b>2.7</b>	66kV Surge arrestors, Zinc Oxide, station class, 10kA, MCOV = 48kV complete with support structure	No.	12	6-10 weeks	Lusaka Central Stores
<b>2.8</b>	33kV Surge arrestor, station class, 10kA, MCOV= 30kV, complete with support structure	No.	21	6-10 weeks	Lusaka Central Stores
<b>2.9</b>	11kV Surge Arrestors, Zinc Oxide, station class, 10kA, MCOV = 9kV	No.	6	6-10 weeks	Lusaka Central Stores
<b>2.10</b>	<b>Factory Acceptance</b>				
	Travel for Inspections and FAT of 66, 33, and 11 kV switchgear and instrument transformers; all-expenses paid: air tickets, local travel, per diem at US\$365/day, accommodation and meals for three (3) ZESCO staff for 7 days				
<b>3.0</b>	<b>Control and Protection Equipment, Telecommunication Systems and Auxiliary Supply System</b>				
<b>3.1</b>	Transformer Control and Relay Panel with AVR, Protection Relays (87T, OC & EF) and Energy Meters	No.	4	6-10 weeks	Lusaka Central Stores
<b>3.2</b>	66kV Line Control and Relay Panel (CRP)	No.	2	6-10 weeks	Lusaka

LOT	DESCRIPTION	UNIT	QTY	DELIVERY PERIOD	DELIVERY PLACE
	complete with Protection Relays (DI, OC & EF) and Energy Meters				Central Stores
3.3	Control and relay panels for 33 kV feeder management, complete with Protection Relays (OC, EF, Frequency, control and monitoring, with display mimic) and Energy Meters	No.	2	6-10 weeks	Lusaka Central Stores
3.4	Panel Outdoor Marshalling Kiosk, manufactured to class IP54 of BS 60529 and vented with minimum steel sheet thickness of 3mm	No.	8	6-10 weeks	Lusaka Central Stores
3.5	RTU-based substation control system	Item	1	6-10 weeks	Lusaka Central Stores
3.6	Telecommunication system consisting of optic line terminal equipment, complete with a 48V dc supply system	Item	1	6-10 weeks	Lusaka Central Stores
3.7	400/230V AC distribution board for 10 circuits	Item	1	6-10 weeks	Lusaka Central Stores
3.8	110V DC distribution board comprising 10 DC load circuit MCBs	Item	1	6-10 weeks	Lusaka Central Stores
3.9	Battery Charger 110V DC	each	1	6-10 weeks	Lusaka Central Stores
3.10	Battery Set 110V 100AH NiCd Alkaline	each	1	6-10 weeks	Lusaka Central Stores
3.11	Factory Acceptance				
	Travel for Inspections and FAT of Protection, Control, Telecommunication and 110V and 48V DC Systems; all-expenses paid: air tickets, local travel, per diem at US\$365/day, accommodation and meals for three (3) ZESCO staff for 7 days				
4	Wiring materials				
4.1	Control Cable PVC/SWA/PVC 2.5mm <sup>2</sup> x 19 core	m	500	6-10 weeks	Lusaka Central Stores
4.2	Control Cable PVC/SWA/PVC 2.5mm <sup>2</sup> x 12 Core	m	500	6-10 weeks	Lusaka Central Stores
4.3	4 Core, 16mm <sup>2</sup> armoured cable	m	500	6-10 weeks	Lusaka Central Stores

2. Bidding will be conducted in line with Procurement Procedures specified in the Public Procurement Act of 2008 and the Public Procurement Regulations of 2011. **Foreign bidders are required to partner with citizen bidders only. The term citizen bidder is defined in the Public Procurement Act No. 12 of 2008.**

3. Interested eligible bidders may obtain further information from and inspect the bidding documents at the address given below from **08:00 to 12:30 hours** and from **14:00 to 16:30 hours, Monday to Friday** respectively.
4. Qualifications requirements are provided in the Solicitation Documents.
5. All bids must be secured by a bid security of not less than 2% of the bid price duly signed and sealed by the Guarantor(s).
6. A complete set of bidding documents in **English** may be purchased by interested bidders at the address below upon payment of a non-refundable fee of K1,000.00 or its equivalent in any freely convertible currency. The method of payment will be Cash or Bank (Managers) Cheque issued by a recognized Commercial Bank acceptable to the Purchaser, or direct deposit or transfer of funds into the Purchaser's Bank account with evidence of such deposit as follows:
 

Bank Name	:	Indo-Zambia Bank Limited
Address	:	PLOT No. 6907, P.O. BOX 35411, Cairo Road, Lusaka, Zambia
Account Name	:	ZESCO Limited – Corporate Head Office
Account Number	:	0010028252005
Branch	:	Lusaka Main
Swift Code	:	INZAZMLX
7. The bidding documents will be collected from the Office of the Senior Manager Procurement and Stores at ZESCO Limited Head Office at the address given below.
8. The bids must be appropriately bound, sealed and bold labeled and delivered to the address below at or before **10:30 hours on Friday, 18 January 2019**. Electronic bidding will not be permitted. Late bids will be rejected.
9. The closing date for the receipt of the bids is **on Friday, 18 January 2019** at **10:30 hours** local time. The bids will be opened immediately thereafter in the presence of bidders or representatives who may choose to attend.
10. The address (es) referred to above are:

### **For Inspection, Purchase and Clarifications of Bidding Documents**

ZESCO Limited,  
 Attention: Brian C. Kambole, Senior Manager – Procurement and Stores,  
 Ground Floor, Procurement and Stores Division Offices, Situated at the Head  
 Office RCC Building within ZESCO Limited Head Office Premises, Adjacent to  
 ZESCO Limited Filling Station at Central Stores,  
 Stand Number 6949, Great East Road,  
 P.O. Box 33304, 10101, Lusaka, Zambia.  
 Tel: +260 (211) 362315

Email: [procurement@zesco.co.zm](mailto:procurement@zesco.co.zm)

Website: [www.zesco.co.zm](http://www.zesco.co.zm)

**(i) For Submission of Bids**

ZESCO Limited,

Tender Box located on the Ground Floor, Main Entrance of Procurement and Stores Division Offices, Situated at RCC Building within ZESCO Limited Head Office Premises, Adjacent to ZESCO Limited Filling Station at Central Stores, Stand Number 6949, Great East Road, Lusaka, Zambia.

**(ii) For Opening of Bids**

ZESCO Limited,

Main Conference Room, Procurement and Stores Division Offices situated at RCC Building, within ZESCO Limited premises, Head Office, Adjacent to ZESCO Limited Filling station at central Stores, Stand Number 6949, Great East Road, Lusaka, Zambia.

**BRIAN C. KAMBOLE**  
**SENIOR MANAGER – PROCUREMENT AND STORES**