

Energy Security and Resource Efficiency in Somaliland Programme

Request for Quotation – Three Phase Energy Meters with CTs 20 August 2019

Introduction

The Energy Security and Resource Efficiency in Somaliland Programme (ESRES) supports the Government of Somaliland to improve access to affordable electricity for vulnerable communities through the promotion of renewable energies. This choice for renewable energies is based on the premise that green infrastructure investments in fragile states have potentially positive poverty reduction benefits while at the same time reducing the country's vulnerability to the negative effects of climate change. Currently the legal and regulatory framework is incomplete and there is a low adoption rate of renewable energy technologies by the private sector in Somaliland.

ESRES is being implemented in two phases:

- Phase 1 (36 months) referred as ESRES1
- Phase 2 (36 months) referred as ESRES2

ESRES2 started on the 15th September 2018. For ESRES2, the ESRES Programme Manager (ESRES PM) will require to procure 90 three phase energy meters with current transformers which will be used for Loss Reduction Study. The Losses Reduction Study will analyse the performance of the six hybrid mini-grids funded under ESRES1.

Requirements

The energy meter required for this procurement should have the following features:

- Three phase energy meter;
- Input line to neutral (LN) voltage should range from 100V to 280V while line to line (LL) voltage rating should vary from 180V to 480V;
- Current transformer rating of 5A/600A with high accuracy of + or – 1% from 10% to 100% of rated current for split core CT and + or – 5% from 5% to 120% of rated current for solid core CT with CT lead lengths of at least 1.5 metres;
- Real time measurement of voltage, current, frequency, power, power factor, active and reactive energy;
- Must have LCD display, password protected and tamper proof;
- Should operate at ambient temperatures above 55 degree centigrade;
- Should be mountable on DIN Rail;
- Must be calibrated by internationally recognized calibration centre that provide duly signed certificate of calibration detailing date of calibration, calibration result, physical addresses, email address and expected date of recalibration;
- Must meet or exceed BS 8431:2010 standards.
- The ESRES PM is looking for an energy meter solution that does not include any recurring costs, hence no recurring costs should apply.

The quotation should include the following information:

1. The below cost information based on the set quantity.

Item	Description	Unit	Qty	Rate	Amount
				USD	USD
1	Three phase energy meter with features shown above complete with 600A/5A CTs	PCS	90		
	Sub total				
2	Freight Charges to Hargeisa Somaliland	item	1		
	GRAND TOTAL				

2. Delivery time from the date of order confirmation
3. Warranty period of the Energy Meter
4. Name of Calibration Centre and sample calibration certificate
5. Payment terms and mode of payments
6. Datasheet of the Energy Meter

Response

This RFQ should be returned by **31st August 2019** to the email info@esres-somaliland.org