

TO

: Prospective Service Provider

FROM

: SCM /STORES : 15/06/2022

DATE

: 15/06/2022 : STORES

ENQUIRIES TELEPHONE

: 015 780 6361/62

REF

: EL101:21/22

Kindly furnish this office with a written quotation for supply of goods/ services as detailed below. The quotation must be submitted on the letterhead of your Business and Brought to our offices 3 Nyala Street, Phalaborwa not later than 21/06/2022 at 12H00

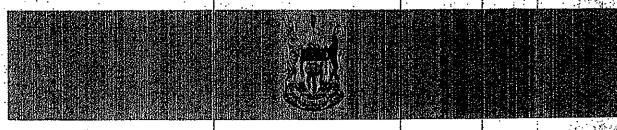
Description	PRICE/UNIT (Inc. VAT)	DELIVERY PERIOD
Prepaid meter 1p Split emu/ciu		
		(Inc. VAT)

Please number your quotes (Your Ref no)

The following conditions will apply:

- > Price (s) quoted must be valid for at least thirty (30) days from date of your offer.
- > The municipality retains the prerogative to reject any quotes it deems to be excessive
- > A firm delivery period must be indicated.
- > Tax Clearance Certificate
- > A service provider be registered with central supplier database (CSD)
- > Registered with CIPRO (CK 1 or 2 document)
- > BBBEE Certificate certified by a SANAS accredited institution.
- > Completed MBD4 (Declaration of Interest) Form
- Completed MBD6.2 FORM
- > Evaluation criteria: 80/20

Fill in and Return the Declaration of Interest Form.



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BA-PHALABORWA MUNICIPALITY
DEPARTMENT OF TECHNICAL SERVICES.
PRE-PAID ELECTRICITY METERS

BID SPECIFICATIONS

BID DESCRIPTION: SUPPLY AND DELIVERY OF SINGLE AND THREE PHASE PRE-PAYMENT METERS

- 1. The prepayment meter must be a Split meter which shall consists of the following components:
 - a) Energy management Unit (EMU)
 - b) Consumer interface Unit (CIU)
- 2. Communication between consumer interface unit and energy management unit:
 - a) By means of power line carriers (PLC) technology
 - b) MUST be of design that doesn't allow appliances or equipment to interfere with the communication of the meter.
- 3. Energy management unit (EMU)
 - a) The footprint of the energy management unit (metering unit) must be a compact meter (EMU) design, with DN rail-mount or compact BS housing layout for single phase and compact BS housing for triple phase.
 - b) Rated voltage 230 Volts AC.



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- c) Operating voltage 230 volts (-20% to +15%)
- d) Over voltage to withstand SABS (1524) 400 volts for 48 hours.
- e) Basic current to 20 Amps
- f) Maximum continuous Current Imax. (s/p)80 Amps and (t/p)100Amps
- g) Measuring currency (SABS; IEC6 1036 Accuracy class) Class 2 (approx 2% from 0,11b to Imax).
- h) Rated frequency 50 Hz.
- Power consumption / Burden Voltage circuit < 3 Watts / 12 VA Current circuit < 2,5VA
- Inherent voltage impulse withstand (BiL) 6Kv 1,2/50μs
 (No surge arrestor)With surge arrestor Service rating 5Ka (8/20μs waveform)
 Withstand rating (2minutes) 30Ka (8/20μs waveform) insulation properties (1minute) –
 2kVrms (Class 1) 4kV impulse (Class 1) 1,2/50μs waveform Over voltage 400 volts for 48 hours
- k) Energy direction Forward and reverse
- Disconnecting Device Type.:Single pole latching contactor Rated current 100 Amps Type:
 3 pole latching contactor Rated current 100 Amps
- m) Applicable specifications : (SABS) IEC 6 1036SABS 1524 NRS 009
- n) Short circuit current : 2,4Ka

3.1 Environmental Conditions:

- a) Operating temp. range : -10°C (+14°F) to +55°C (+131°F)
- b) Storage temp. range : |25°C (-13°F) to +70°C (+158°F)
- c) Relative humidity (IEC|6 1036) annual mean 75% (Max. 95%)
- d) Degree of protection: IP 51
- 4. Total encryption method 20-Digit-STS
- 5. Communication circuity: Up to 100 metres.
- 6. Sealing: Factory sealed with screw-seals or stainless steel wire ferrul seal

ALL Energy maters will be programmed with 50 Units of Kwh before delivery to Ba-Phalaborwa Municipality.

7. Consumer interface Unit (CIU)

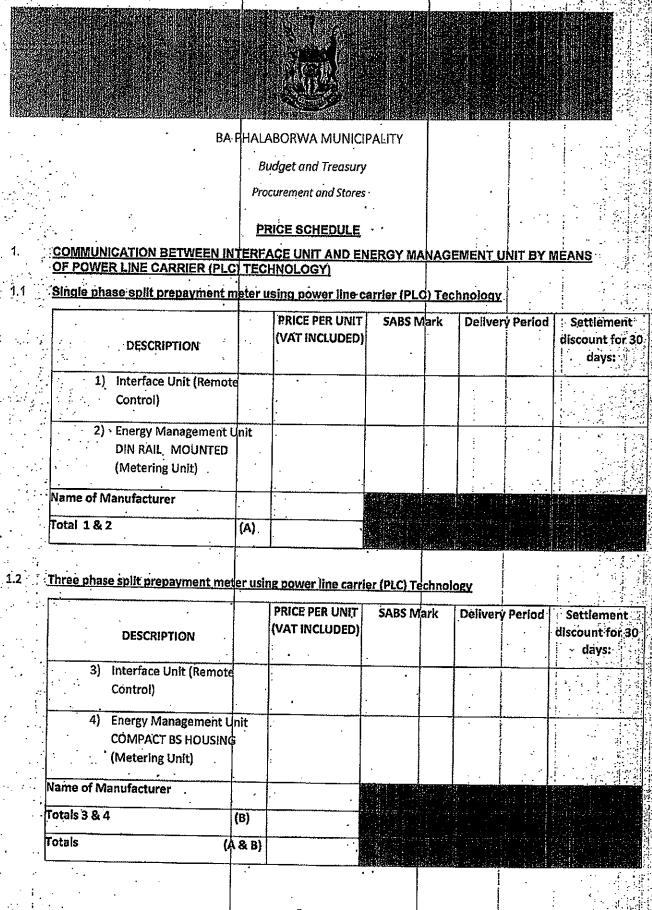


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- a) The following must be printed on the consumer Interface unit: This electrical unit is the property of the local supply authority. The use of it is subject to the local authority's conditions of supply.
- b) Keypad: 12 key international standard layout including "information" and "backspace" keys.
- c) Rate of consumption indicator (Pulse rate proportional to current rate of consumption).
- d) Diagnostic information: 20 additional meter parameters accessible via "information" key.
- e) Must be a user friendly consumer interface unit, making use of a clear language and must display all parameters of the meter including low credit warning, energy consumption and load contactor status.



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NOTE: 1) PRICES WILL INCLUDE 1	RANSPORT AND DELIVERY AT BA-	HALABORWA	VIUNICIPALITY STORES.
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