

28 MARCH 2017

QUOTATIONS ARE HEREBY REQUESTED IN ACCORDANCE WITH THE SCM REGULATIONS SECTION 18 OF THE LOCAL GOVERNMENT MUNICIPAL FINANCE ACT 56 OF 2003, FOR THE PURCHASE OF ITEM/S THAT COULD BE ABOVE R30 000.00.

QUOTATIONS MUST BE SUBMITTED IN SEALED ENVELOPES CLEARLY MARKED "SUPPLY AND DELIVERY OF 200 PRE-PAID PLC METERS WITHOUT COMMUNICATION WIRES" TO THE QUOTATION BOX SITUATED AT:

RATES AND TAXES HALL (LESEDI OFFICES)
C/O LOUW AND HF VERWOERD STREET
HEIDELBERG
1438

ALL ENQUIRIES REGARDING THE SPECIFICATIONS SHOULD BE REFERRED TO MS. MANELLA NCHECHE @016 492 0077.
ENQUIRIES REGARDING THE BIDDING PROCEDURE SHOULD BE DIRECTED TO MS. SIBULELO NXATHI@016 492 0202.

DEPARTMENT: ELECTRICAL

CLOSING DATE: 06 APRIL 2017 @12h00

SPECIFICATIONS: SUPPLY AND DELIVERY OF 200 PRE-PAID PLC METERS WITHOUT COMMUNICATION WIRES

Voltage ratings

Nominal voltage (-20% +±5%) 110VAC - 127VAC 220VAC - 240VAC

Supply frequency (±5%) 60Hz 50Hz

Current ratings

Base current (Ib) 5A

Max current (Imax) 100A

Min starting current

Class 1 20mA

Utilisation category UC2

Nominal power consumption 1.6W / 9VA

Accuracy Class 1 and 2 (maintained throughout life cycle of product)

Over voltage rating 440VAC for 48 hours

Short circuit rating	Short-circuit withstand 3.0kA
Protection	Power overload Thermal overload Current overload Line / load reversal Over / under voltage Delayed reconnection
<u>Environmental</u>	
Operating temperature	-10°C to +55°C
Storage temperature	-25°C to +70°C
Humidity	95% non-condensing
IP rating	IP 54 (Meter and user interface unit)
RF immunity	30V/m
Status indicators	Load / power status MCU / UIU communication Rate LED (1000 pulses / kWh)(On MCU)
<u>Installation</u>	
Footprint	DIN rail mounted (35mm)
Insulation class	Double insulation
Terminal	Live Neutral
Type	Cage clamp Cage clamp
Maximum size	25mm ² 16mm ²
<u>Interrogation</u>	
Type (Optional)	MC171 direct probe USB type port Flags (Optional) Radio frequency
<u>Security</u>	
Meter housing	Security seals
Tamper protection	Tamper terminal cover Load disconnection on tamper detection
User Interface Unit w UIU range ranges	
Without communication wire	

Product specifications

Electrical ratings

Battery size (Alkalline)	AA
No. of batteries required	2
Battery voltage	1.5v
Operating voltage range	1.8v to 3V
Typical battery life	3 years
Customer displayed Information	Status of consumer's AC supply Available credit Low credit warning Token accept / reject Previously entered STS tokens (meter dependant) Meter status register Consumption data

Displays

Number of digits: 7 major / 2 minor
Character height: 15mm / 7mm
Type:Liquid crystal display
Viewing area: 53mm x 30mm
Enunciators: 10 segment bar graph

Keypad

Columns x rows: 3 x 4
Key press feedback: tactile / silicon rubber keys
Accessibility: visually impaired friendly

Audible feedback

Key presses
Token acceptance / rejection
Low credit warning

ICASA approval

TA-2009/565

WMI

Wireless Meter Interface

Connectivity

Meter: current loop or galvanically isolated WMI: RF modem

WMI electrical rating

Current Loop Galvanically isolated

Current loop (m A)-continuous

3	2
---	---

Operating voltage range (Vdc)

20	12
----	----

Communication

RF type: 433.05MHz to 434.790 MHz (SRD band within the 10Mw

RF communication distance

Line of sight: 100m built up environment: 50m

Insulation

Insulation system classification

Impulse

AC Voltage

ICASA approval

Terminals

Mounting

Environmental

Operating temperature

Storage temperature

Humidity

IP rating

Mechanical

6kV

4Kv(RMS) for 1 minute

A-2009/566

Type:Drop wire Maximum Size:0.7

35mm DIN mount 12.7mm bandit strapping

wUIU WMI

-10 C to + 55 C

-25 C to +70 C

95% non-condensing

IP 54 IP 65

Name of Company: _____

Fax: _____

Telephone: _____

Date: _____

The following documents must be submitted with the quotation, failure in submitting these documents will result in a quotation being disqualified:

- Original tax clearance certificate/Pin Provided by SARS
- MBD Forms listed below (Evaluation Criteria)
- Latest municipal account / Clearance Certificate for Water and Lights
- CSD registration report/supplier number
- Letter of good standing

EVALUATION CRITERIA: 80/20 Preference point system as presented in the preferential procurement policy framework Act no 5 of 2000, for this purpose the MBD 2, MBD4, MBD 6.1 MBD 8 MBD 9 and the Clearance Certificate for Water & lights can be downloaded from our website on the following link: www.lesedilm.gov.za/key/scm MBD forms should be scrutinized, completed and submitted together with your quotation. All objections and complaints must be lodged within 14 days and in writing to the municipal manager's office

Bidders who did not submit an original or certified copy of their BBBEE Certificate will not be allocated preference points and will only be evaluated on price.

NB: All bidders must ensure that they are registered on the National Treasury Central Supplier Database via the following link:business.support@csd.gov.za. No business will be conducted with any person who is not registered on this database.

ANY BIDDER WHO IS INTERESTED IN ATTENDING THE OPENING IS WELCOME TO DO SO