



ELECTRICITY SUPPLY CORPORATION OF MALAWI LIMITED

MALAWI ELECTRICITY ACCESS PROJECT

RFB No MW-ESCOM-196048-GO-RFB

Contract Title: Supply and Delivery of Single Phase DIN Rail Split Prepaid Meters, 63A Single Phase MCBs, 2-Way 1Ph Split Prepaid Meter Pole Top Enclosures, and Ready boards

Amendment No. 01

Date: 1 April 2021

Amendment 01 to Request for Bid

This amendment is being issued on 1 April 2021 and will be called Amendment No. 01 for RFB No: MW-ESCOM-196048-GO-RFB. Bidders are requested to take note of this Amendment and take into consideration where applicable during preparation of their bids.

Amendment 01 amends the following:


No	Reference	Specifications Type	Tender Requirement (Description)	Bidders Question	Amendment
1	Page 79 Technical specifications (Item No 1).	Load trip conditions	Tamper condition detected (including tamper due to magnetic field, tamper due to opening of meter box cover). Latch in tripped status	Please kindly confirm if it is mandatory for meter box cover opening detection while the meter is ultrasonic sealed and meter support terminal cover open detection.	Yes, it is mandatory, however, the box cover opening detection shall not cause tripping of the meters but trigger an alarm in form of audible buzzer to alert the neighborhood.
2	Page 80 Technical specifications (Item No 1).	Mechanical & Constructional	Terminal cover to be openable only with special tool not ordinary screw driver. (Special tools to be supplied. Number of tools to be agreed on)	Could you please clarify the number of Special tools	Two hundred (pcs) special tools
3	Page 80 Technical specifications (Item No 1).	Communication	MCU to CIU be RF communication	Could you please clarify whether 433MHz or 915MHz is acceptable?	A range of 420 to 433MHz is acceptable.

4	Page 80 Technical specifications (Item No 1).	Communication	USB-type port compliant with DSP 34-1635	Please confirm if it is acceptable if the meter has direct probe port for reading which serves as the same purpose.	The parameter has been amended as follows:- 1. The meter shall have optical header provision for reading of data.
5	Page 82 Technical specifications (Item No 1).	Display indicators, Facilities & Capacities	Display consumption information for the present and previous 31 day period	We understand it required the CIU could display the consumption information of each day in the past one month, please kindly a clarify it or correct it if our understanding is not correct.	The meter should provide monthly consumption for the past 12 months and daily consumption for 31 days, to be viewed on the CIU through the input of a short code on the CIU.
6	Page 90 Technical specifications (Item No 1).	Smart Grid capabilities (Interaction & Energy Efficiency)	Some of the events which the meter should detect and record occurrence date and time and communicate to the central systems are: Battery plugging in & plugging out	For din rail meter, the battery doesn't support plugging in & plugging out. Please confirm this requirement can be disregarded?	Battery plugging in and out should be disregarded.
7	Page 98	Ready Board > Enclosure	Lamp holder base type B22 or E27	What's the rated power for the Lamp	100 Watts (this makes provision for future alterations customers may make without our control as they may replace a failed 12W LED bulb with 100W thus the bulb holder and the enclosure must

					withstand the 100W heat dissipation. SUPPLIER WILL HOWEVER PROVIDE A 12W LED BULB
8	Page 96	Bus bars	Arrangement of socket outlets and circuit breakers to be in accordance with sun clause 4.6.1.2 of SANS 1619?-Yes	Could you please provide the related specification in the sub-clause 4.6.1.2 of SANS 1619? Could you please confirm does the below arrangement of socket outlet and circuit breakers meet the requirement? 1*32A RCCB +2*1POS 10A MCB in the ready board upper left corner 2*G&M Sockets are evenly distributed in the lower panel of the Ready board.	The proposed circuit breakers and Socket arrangement is acceptable. However, we have amended to 1* 10A MCB and 1*5A MCB.(Din rail type) (Refer amendment No 1)
9	Page 97	Ready Board > System	Residual Current Circuit Breaker (RCCB) rating 32A	Please kindly provide the detailed requirement for the 32A RCCB, such as the Leakage protection current?	Leakage protection current at 300mA and tripping time of less than 200ms according to the IEC 60364 series of standards for 230V systems
10	Page 97	Ready Board > System	Over Current Protection Device required 10A Number of Sockets	What's 10A mean here? Is it refers to another MCB's rated current? How many MCB shall we provide in the ready board? For the 2 Sockets and Lamb, shall we provide 2 different MCB for each of them?	4no MCB, one for each socket outlets, one for the lamp and one for the punch hole extension outlet provision. 3nos 5A MCCB for each of the socket outlets and the extension punch hole. The lamp MCB should be rated 2A

11	Page 97	Ready Board > System		Where is the ready board installed? On the wall inside customer's house? Or on the pole? What's the inlet and outlet cable's specification for the ready board?	Ready Board Installed on the wall Inside the house. Both Inlet and Outlet holes to allow 2 no 16mm cable size
12	Page 143			Do we need to provide samples of MCB and Ready Board before tender submission date? If yes, how many should we provide?	Two product sample will be required
13		Display Indicators, Facilities & Capabilities	Deduction of arrears when entering additional credit	Could you please clarify that the deduction items and deduction methods, Usually, the arrears deducted by Vending system is a more convenient way, This function module supports flexible configuration of various arrears repayment schemes, such as monthly deductions, deductions per times, fixed deductions or proportional deductions each time, the utility can formulate different deduction scheme for different user groups according to the actual situation.	The meter shall operate in a prepaid mode at all times and stop supplying power in an event of its malfunction.
14		Electrical Characteristics	Codes usable by customers be written on the sides of keypad e.g. daily KW	Could you please clarify what is the cell phone number used for? Does the cell phone number should be configured into meter or just printed on nameplate/case of UIU?	Disregard this specification item of cell phone number

			consumption, monthly KW consumption, inputting cell phone number to communicate to, low credit warning threshold etc.)		
15		Display Indicators, Facilities & Capabilities	Display instantaneous <i>power consumption</i> on a bar graph; Continuous <i>power consumption</i> accounting, value can be negative or positive.	Could you please confirm if the "power consumption" is the "Total KW power"? Is it required to display a bar graph symbol on LCD to indicate instantaneous KW power?	Correct it refers to total kw power being drawn. The bar graph should only display credit values and not instantaneous consumption.
16	Technical specifications (Item No 1) Display indicators Facilities & Capabilities -	Display Indicators, Facilities & CapabilitiesAdditional credit enunciator).	Additional credit enunciator	Could you please confirm that the "Additional credit enunciator" is mean for credit Alarm LED indicator on CIU Interface?	This is confirmed and the statement should read: Display Indicators, Facilities & CapabilitiesAdditional credit Annunciator
17	96	Mounting Indelible Marking	Mounting Indelible Marking, Page 96	The diagram for mounting brackets in Tender sheet is not attached. We provide 4 self-tapping screw mounting holes on two sides of the	The diagram has now been provided as follows:

			Provision of mounting brackets -- see attached diagram -- Yes	product shell, if the ready board can be installed on the wall or on the bracket, could you please confirm it is acceptable?	
18	96		Ready Board-Bus Bars 15KA Rated short time (1s) withstand current for bus bars 17KA Rated peak withstand current for bus bars	As the bus bar material is required copper, there's no such parameter in such design. Please kindly clarify what standard we can refer to?	Please disregards the specification
19	92		Meter Enclosure-Enclosure Properties Able to accommodate 2 measurement	Please kindly clarify the qty of the bus bar? Normally there will be one bus bar for neutral line, one for live line, and one for earthing. What is the 4th one required for?	Yes, there are three bus bars. Please provide three bus bars.

			control units of a din rail split meter, 2 circuit breakers and 4 bus bars		
20	Page 95	Impulse voltage withstand level-30kv	System, pa	According to IS/IES 60898-1 Electrical accessories Circuit breakers	Yes. The rated Impulse Withstand Voltage (Uimp) of not less than 4KV is acceptable
21	92		MCB for use in a pole mounted meter box for the purposes of minimising let-through energy of overload & short-circuit as well as for un-frequent on-&-off switching of loads. Hydrualic magnetic snap-action tripping mechanism	According to our experience, the Hydrualic magnetic MCB is usually not used in meter box. And the technical specs of the MCB are more about the thermal magnetic MCB. Pls kindly clarify?	The hydrualic MCB is replaced with thermal magnetic MCB please refer to the amendment.
22	ITB 22.1	The deadline for Bid submission is: Date: 6 April 2021 Time: 10:00 Hours Local Time		Requests for Extension for the bidding period	The deadline for Bid submission is: Date: <i>20 April 2021</i> Time: 10:00 Hours Local Time

23	ITB 25.1	<p>The Bid opening shall take place:</p> <p>Date: 6 April 2021</p> <p>Time 11:20 Hours Local Time</p> <p><i>There will be an option of virtual attendance of the Bid Opening</i></p> <p>Country: Malawi</p> <p>Date: 6 April 2021</p> <p>Time 11:20 Hours Local Time</p>		<p>Requests for Extension for the bidding period</p>	<p>The Bid opening shall take place</p> <p>Date: 20 April 2021</p> <p>Time 11:20 Hours Local Time</p> <p><i>There will be an option of virtual attendance of the Bid Opening</i></p> <p>Country: Malawi</p> <p>Date: 20 April 2021</p> <p>Time 11:20 Hours Local Time</p>
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