

**FIJI ELECTRICITY AUTHORITY**



**TENDER SPECIFICATIONS**

**TENDER**

**TENDER NO: MR 62/2017**

**Supply of NEMO metering Unit for FEA's Diesel Power Station.**

## **SECTION 2.0 GENERAL**

### **2.1 General:**

The FEA invites potential bidders to submit bids for the supply of thirty (30) NEMO HD96+ unit and forty (40) transducer module IF96001. The NEMOHD96+ metering unit shall provide clear and accurate power measurement information of True power (kW), Reactive power (kVAR), Frequency (Hz), Volts (V), power factor (PF), Current (I).

The cost shall be deemed to be included in their tender cost-whether specifically in the schedule as below:

- 2.1 Supply of 30 x NEMO HD96+.
- 2.2 Supply of 40 x transducer IF96001.

## **SECTION 3.0 TECHNICAL SPECIFICATION:**

**3.1** The NEMO Base HD96+ MF96021 shall be multifunction and digital type with specification as below:

Display Technology	: LCD
Refresh Time	: 1.1 s
Input Frequency, Nom	: 50 Hz
Input Range(s)	: 1 ... 5A
Input voltage, 1ph, nom (rms)	: 50 - 230 V AC nom (rms)
Input voltage, 3ph, nom (rms)	: 80 - 400 V AC nom (rms)
Accuracy Class, Active	: 0.5
Accuracy Class, kWh, IEC 61557-12	: 0.5 IEC 61557-12
Accuracy Class, kVARh, IEC 61557-12	: 2 IEC 61557-12
Umin, Supply Voltage, AC, Min - Max	: 80 - 265V AC
Connection Method	: CT connect & VT connect
IP Rating, Front	: IP54
Standards Compliance	: EN 60529-IEC 61010-1 IEC 60529-EN 61326-1

**3.2** The Transducer IF96001 shall be multifunction power monitor type with specification as below:

Type	: IME IF96001 with Modbus Communications Module
Communication	: RS485 module with multifunction power monitors
Protocol	: MODBUS/JBUS RTU protocol
Address Range	: Address selection 001 – 255

SECTION 4 COST SCHEDULE



TABLE 1.1

<b>Supply and install of the DSE controller</b>			
<b>Item</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT PRICE</b>	<b>TOTAL PRICE</b>
1	Supply of 30 x NEMO HD96+ MF96021 Base 80-265V AC		
2	Supply of 40 x IF96001 -RS485 communication module Modbus / Jbus protocol		
	Fiji Custom Import Duties		
	Freight Charge		
	<b>TOTAL (VEP)</b>		
	<b>VAT 9%</b>		
	<b>Withholding Tax</b>		
	<b>TOTAL (VIP)</b>		

**Notes:**

1. FEA financial terms are applicable for these works.

## **SECTION 1.0 SUBMISSION OF TENDER**

**Two (2) hard copies** of the tender bids in sealed envelope shall be deposited in the tender box located at the Supply Chain Office at the FEA Head Office, 2 Marlow Street, Suva, Fiji.

**Courier charges for delivery of Tender Document must be paid by the bidders.**

**This tender closes at. 24/05/2017**

**Site Visit: Not Required**

**Site visits are listed above. Please note date and time. Team leaders of various stations will be facilitating the visit.**

Each tender shall be sealed in an envelope with:  
The envelope bearing only the following marking:

**Tender- MR 62/2017 – Supply of NEMO metering Unit for FEA's Diesel Power Station**

The Secretary, Tender Committee  
Fiji Electricity Authority  
Supply Chain Office  
Private Mail Bag, Suva

**It must also indicate the name and address of the tenderer on the reverse of the envelope.  
All late tenders, unmarked Envelopes and envelopes without bidder's name and address on the reverse of the envelope. (Bids via e-mail or fax will not be considered).**

For further information or clarification please contact our Supply Chain Office on phone **(+679) 3224360** or **(+679) 9991587**.