



Fiji Electricity Authority

Tender Document for Supply of Technical Test Equipment

(Tender #: MR 47/2015)

Tender Closing date: 22nd April 2015

**Invitation to Bid
MR 47/2015**

SUPPLY TESTING EQUIPMENT FOR FIJI ELECTRICITY AUTHORITY

Fiji Electricity Authority (“FEA”) invites Bids from eligible, qualified and capable companies for supply of

- (1) Insulation Resistance tester (quantity required 1)
- (2) Digital Micro Ohmmeter. (quantity required 1)

Please address your queries or questions in writing at the address given below interested bidders may obtain further information from

Mr. Abdul Nasim,
Unit Leader Strategic Procurement, Inventories and Properties
Supply Chain Office,
2 Marlow Street, Private Mail Bag,
Suva
or email : Abduln@fea.com.fj

SECTION I - INSTRUCTIONS TO BIDDERS

***Notes to Bidders:** This section provides detailed information necessary for Bidders to prepare their Bids, in accordance with the requirements specified by the FEA. It also provides information on Bid submission, opening, and evaluation, and on the award of contract*

1. Scope

1.1 The entity of the FEA specified above invites Bids for the Supply of Electrical Test Equipment as described in the Bidding Document.

2. Eligibility Of Bidders

2.1 This bidding is open to all eligible companies

2.2 FEA in its sole unfettered discretion, disqualify or otherwise determine ineligible any potential Bidder that the FEA believes is, has been or will be, whether directly or indirectly, engaged in criminal or any other unethical behavior, financially unsound, or otherwise unfit in the FEA's opinion to participate in the bidding exercise.

2.3 In its Bid, the Bidder shall indicate the origin of Good proposed.

2.3 A Bidder shall not be eligible to participate in this bidding or in the performance of the contract under consideration if such Bidder:

- Is bankrupt or being wound up, is having its affair administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning those matters or is in any analogous situation arising from a similar procedure provided in national legislation or regulations.

- Is guilty of misrepresentation in supplying the information required as a condition of participation in this bidding exercise or fail to supply this information.
- Is subject to a conflict of interest.

3. Bid Prices

- 3.1 The Bidder shall indicate the unit prices (where applicable) and total Bid Price of the offered goods and services
- 3.2 The Bidder's separation of price components will be solely for the purpose of facilitating the comparison of Bids by FEA and will not in any way limit the FEA's right to contract on any of the terms offered.
- 3.3 All non-exempt duties, taxes and other levies payable by the Contractor under the Contract/Purchase Order, or for any other cause shall be included in the rates, prices and total Bid price submitted by the Bidder.

4. Period Of Validity Of Goods

- 4.1 Bids shall remain valid for a period of 90 days after the deadline for the receipt of Bids. A Bid valid for a shorter period shall be rejected by FEA as non-responsive.

SECTION II – TENDER SPECIFICATIONS

1. Insulation Resistance Tester

Insulation Resistance Tester	
Technical Specifications	Bidders Remarks
1. Mains / battery pack operated analog / digital insulation tester with selectable ranges of 500 V, 1000 V, 2500 V, 5000 V 10 KV.	
2. I.R. measurements range 10 K ohms to 35 T ohms.	
3. Capacitance Range 10 Micro Farads to 50 Micro Farads.	
4. Current measurement range – 0.01nA to 6mA.	
5. Maximum weight not more than 6kg	
6. Facility for Insulation Resistance Test.	
7. Facility for automatic polarization index testing.	
8. Facility for dielectric discharge test.	
9. Facility for Dielectric Absorption Ratio Test.	
10. Facility for Stepped Voltage test.	
11. Facility for Ramp Test.	
12. Facility of large LCD display with backlight	
13. RS232 port for real time downloads.	
14. USB type Bluetooth device for download of memory.	
15. Standard test leads to be supplied along with instrument.	
16. Instrument should be housed in a rugged, transportable carrying case.	
17. Calibration certificate traceable to national / international standards.	
18. All optional accessories to be quoted with supplied Tester	
19. Input Voltage in put range 230- 255 V rms, 50Hz, 100VA.	
20. Battery life 4.5 hours continuous testing	

at 10kV with a 100 M ohms load. (IEC 62133:2003)	
21. It should be capable to rejecting interference.	

Other requirements	Bidders Remarks
Supplier should also provide:	
1. Calibration Certificate of instrument along with the traceability	
2. Instruction Manual	
3. Hard carrying case with locking arrangement	
4. Standard International Guarantee /Warranty certificate	
5. Service center information. Annual Calibration requirement	
6. Supplier should provide calibration facility	
7. Supplier to provide following information along with technical data in their technical bid. <ul style="list-style-type: none"> • Physical dimensions of the instrument. • Weight of the instrument. • List of the customers to whom they have supplied the quoted model. 	
8. Vender List:- <ul style="list-style-type: none"> • Preferably Megger 	

2. Supply Digital Micro Ohmmeter

Digital Micro Ohmmeter	
Specification Requirement	Bidders Remarks
1. Modes of operation: Manual, Auto, Continuous	
2. Fully Automatic Control	
3. Maximum Test current up to 10A DC	
4. Resistant measurement Range - 0.1 $\mu\Omega$ to 2000 Ω .	
5. Resolution of 0.1 $\mu\Omega$	
6. 4 1/2 digit seven segment display	
7. Large backlit LCD	
8. Accuracy of $\pm 10\%$	
9. Hum rejection - Less than 1% ± 20 digits additional error with 100 mV peak 50/60 Hz. on the potential leads.	
10. RS232 port for real time downloads.	
11. Storage facility for at least 700 test results.	
12. Battery: rechargeable supplied with charger	
13. Battery Life – At least 1000 x 10A tests before recharging.	
14. Operating temperature: +5 $^{\circ}\text{C}$ to +45 $^{\circ}\text{C}$ (41 $^{\circ}\text{F}$ to 113 $^{\circ}\text{F}$) at full specification	
15. Safety: identify safety features	
16. Facility of large LCD display with backlight	
17. Dimensions: 220 x 100 x 237mm	
18. Weight: Less than 3Kg.	
19. Standard test leads to be supplied along with instrument.	
20. Instrument should be housed in a rugged, transportable carrying case.	
21. Calibration certificate traceable to national / international standards.	
22. All optional accessories to be quoted.	

23. Alpha-numeric keypad for entering test notes	
24. Protected to 600V	

Other requirements	Bidders Remarks
Supplier should also provide:	
1. Calibration Certificate of instrument along with the traceability	
2. Instruction Manual	
3. Hard carrying case with locking arrangement.	
4. International Guarantee /warranty certificate	
5. Service center information and contact details	
6. Supplier should provide calibration facility	
7. Supplier to provide following information along with technical data in their technical bid. <ul style="list-style-type: none"> • Physical dimensions of the instrument. • Weight of the instrument. • List of the customers to whom they have supplied the quoted model. 	
8. Supplier shall arrange for training of personal at purchaser's office free of cost.	
9. Vender List:- <ul style="list-style-type: none"> • Preferably Megger 	

3. Payment Schedule of Bid

Equipment	Total Price VIP (\$)
Insulation Resistance Tester	
Digital Micro Ohmmeter	
Total	
Expected delivery period (days)	

4. General Information

1	Name and Address of the Bidder:	
2	Contacts:	
3	Telephones:	
4	Fax:	
5	E-Mail:	
6	Mobile No:	
7	Name of Chief Executive Office and Telephone No:	
8	Sales Tax/Commercial Tax/CST nos.	
9	Service Tax No.	
10	Income Tax No.	

Note: Separate sheets may be attached wherever necessary.

Signature of the Bidder

With stamp and date

Submission of Tenders

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 4:00pm, on Wednesday 22nd of April, 2015.

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

Tender- MR 47/2015 – Supply of Technical Test Equipment

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).

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act.

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