



ENERGY FIJI LIMITED

TENDER DOCUMENT

MR 179/2021

Supply of AC Clamp Power Meters

Section 1. Instructions to Bidders

- 1. Scope of Bid** Energy Fiji Limited (hereinafter referred to as "the Employer"), wishes to receive bids for the Supply of AC Clamp Power meters.
- 2. Eligible Bidders** This Invitation to Bid is open to bidders who have sound financial background and have previous experience.

Bidders shall provide such evidence of their continued eligibility satisfactory to the Employer as the Employer shall reasonably request.

Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent.
- 3. Eligible Materials, Equipment and Services** The multi meters that are to be supplied under the Contract shall have their origin from reputable manufactures with proven product performance. The bidders are required to provide evidence of the country of origin of the product.
- 4. Qualification of the Bidder** To be qualified for award of Contract, bidders shall submit proposals regarding work methods, scheduling and resourcing which shall be provided in sufficient detail to confirm the bidder's capability to fulfill the contract.
- 5. Cost of Bidding** The bidder shall bear all costs associated with the preparation and submission of its bid and the Employer will in no case be responsible or liable for those costs.
- 6. Submission of Bids** Bids are to be submitted to EFL via the TENDER LINK Electronic Tender Box.

No hard copy of the submission will be accepted.

The submission shall be addressed to

Mr. Jitendra Reddy
Manager Procurement, Inventories and Supply Chain
Supply Chain Office,
2 Marlow Street,
Suva

And bear the following identification: MR 179/2021 - **Supply of AC Clamp Power Meter**
- 7. Deadline for Submission of Bids** Bids must be received by the Employer at the address specified above no later than 1600 hours (Fiji Time) (**Wednesday, 20th October, 2021**).

The Employer may, at its discretion, extend the deadline for submission of bids by issuing an addendum, in which case all rights and obligations of the Employer and the bidders previously subject to the original deadline will thereafter be subject to the deadlines extended.

- 8. Late Bids** Any bid received by the Employer after the deadline for submission of bids prescribed will be rejected and returned unopened to the bidder.
- 9. Modification and Withdrawal of Bids** The bidder may modify or withdraw its bid after bid submission, provided that written notice of the modification or withdrawal is received by the Employer prior to the deadline for submission of bids.
- No bid may be modified by the bidder after the deadline for submission of bids.
- 10. Employer's Right to Accept any Bid and to Reject any or all Bids** The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids, at any time prior to award of Contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the grounds for the Employer's action.
- 11. Notification of Award** Prior to expiration of the period of bid validity prescribed by the Employer, the Employer will notify the successful bidder by email, confirmed by registered letter, that its bid has been accepted. This letter (hereinafter and in the Conditions of Contract called the "Letter of Acceptance") shall name the sum which the Employer will pay the Contractor in consideration of the execution, and completion of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Conditions of Contract called "the Contract Price").
- The notification of award will constitute the formation of the Contract.
- Upon the furnishing by the successful bidder of an acceptance letter, the Employer will promptly notify the other bidders that their bids have been unsuccessful.
- 12. Signing of Contract Agreement** At the same time that he notifies the successful bidder that its bid has been accepted, the Employer will send the bidder the Form of Contract Agreement provided in the bidding documents, incorporating all agreements between the parties.
- Within 7 days of receipt of the Form of Agreement, the successful bidder shall sign the Form and return it to the Employer.
- 13. Corrupt or Fraudulent Practices** The Employer requires that the Contractor observe the highest standard of ethics during the procurement and execution of such contracts. In Pursuance of this policy, the Employer:
- (a) defines, for the purposes of this provision, the terms set forth below as

follows:

- (i) "corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves and/or those close to them, or induce others to do so, by misusing the position in which they are placed, and it includes the offering, giving, receiving or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; and
 - (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition;
- (b) EFL will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

Table of Contents

1. Technical Specifications	4
1.1 General Description	4
2. Quantity	5
3. One Bid per bidder	5
4. Period of contract	5
5. Evaluation Criteria	6
6. General Information	7
7. Relevant Standards	8
8. Accessories	8
9. Bid Prices	8
10. Payment terms	9
11. Period of Validity of Goods	9
12. Packaging and marking	9
13. Tender submission	10

1. Technical Specifications

1.1 General Description

The bidder is to supply Energy Fiji Limited with AC clamp power meters which are designed specifically for carry out Voltage, Current and Power measurements on AC power systems.

The table below outline the AC clamp power meter specifications.

Feature		Specification	Bidder compliance
Measurement line		Single-phase, Three-phase	
Measurement items		Voltage, Current, Voltage/ current peak, Active/ reactive/ apparent power, Power factor, Phase angle, phase sequence, frequency	
AC voltage	Measurement range	80.0 V to 600.0 V, Single range	
	Basic accuracy	45 Hz - 66 Hz: $\pm 1\%$ rdg. ± 3 dgt.	
	Frequency characteristics	45 Hz to 1 kHz, True RMS	
AC Current	Measurement range	0.06 A to 1000.0 A	
	Basic accuracy	45 Hz - 66 Hz: $\pm 1.3\%$ rdg. ± 3 dgt.	
	Frequency characteristics	45 Hz to 1 kHz, True RMS	
Harmonic		Voltage/ current harmonic levels up to 30 th harmonics	
Power	Single phase	0.005 kW to 360.0 kW Basic accuracy: $\pm 2.0\%$ rdg. ± 7 dgt. (50/ 60 Hz, Power factor=1)	
	Balanced three-phase 3-wire	0.020 kW to 623.5 kW Basic accuracy: $\pm 3.0\%$ rdg. ± 10 dgt. (50/ 60 Hz, Power factor=1)	
	Balanced three-phase 4-wire	0.040 kW to 1080 kW Basic accuracy: $\pm 2.0\%$ rdg. ± 3 dgt. (50/ 60 Hz, Power factor=1)	
Other functions	Phase angle *1	lead -180.0° to lag 179.9°,	
	Power factor	-1.000 to 1.000	
	Frequency	45.0 Hz to 999.9 Hz,	
	Others	PEAK, phase detection, max/min/avg value display, auto hold, electric meter comparison, unbalanced 3-phase power estimate display, and any other relevant function	
Maximum rated voltage to earth		600 V AC (Measurement category IV)	
Maximum rated voltage to terminal		1000 V AC (Measurement category III)	
Crest factor		6 A/ 60 A range 3 or less, 600 A/ 600 V range 1.6 or less	

Operating and storage temperature	-25°C to 65°C or less	
Humidity ranges	80% RH or less (no condensation, less than 40°C)	
Dustproof	IP54 (EN60529) or higher	
Waterproof	IP50 (EN60529) or higher	
Standard	Safety: EN61010, EMC: EN61326	
Power supply	Disposable battery operated	
Continuous operating time	Approx 25 hours (Back light off)	
Core jaw diameter	≥ 46 mm	
Display type	Digital with backlight	
Dimensions (W x H x D)	Approx. 83 mm × 245 mm × 40 mm	
Mass	≤455g	
Standard Accessories	Padded carrying case, Test leads (suitable length)	
Instruction manual	Hard copy in English Language	
Mandatory accessory (to be supplied with product)	Clamp on CT /Flexible CT	<ul style="list-style-type: none"> - To extend current measurement capability if the standard power meter does not measure up to 1000A. - To allow for current measurement on larger sized cables/ bus bars (≥∅ 55mm if jaw) in confined places
	Connection cord	Connection cable with alligator clip set

2. Quantity

The quantity of supply is as follows:

Item description	Quantity
AC clamp power meters complete with standard accessories, connection cable with accessories	20

3. One Bid per bidder

Each bidder shall submit only one bid (of one product only) either by itself, or as a partner in a joint venture. A bidder who submits or participates in more than one bid will cause all those bids to be rejected.

4. Period of contract

The product must be supplied to EFL within 8 weeks from date of issue of purchase order.

5. Evaluation Criteria

Category of Evaluation Criteria	% Weighting
Supplier should also provide:	
1. Calibration Certificate of instrument along with the traceability	5%
2. Instruction Manual, instructional videos and software's	5%
3. Standard International Two (2) Guarantee /Warranty certificate	5%
4. Service center information	5%
5. Supplier should provide calibration facility	5%
6. Quoted price should a validity of 90 days	5%
7. Bidder to provide following information along with technical data in their technical bid <ul style="list-style-type: none"> • Adherence to the specifications stated under Section 1 "Technical Specification" • List of the customers to whom they have supplied the quoted model. 	30%
8. Bidder must be able to provide back-up service/ repair and recalibration	5%
9. Delivery lead time 8 weeks	5%
10. Financial	25%
11. List of Manufacturers Accessories	5%

6. 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.	
Name of Authorized Person		
Signature of the Bidder		
Company Stamp		
Date		

Note: separate sheets may be attached wherever necessary.

7. Relevant Standards

The product must comply with the following standards.

Type	Standard
Electrical Equipment (Safety)	EN 61010-2-032:2012 EN 61010-2-033:2012 EN 61010-031:2015 or equivalent
Electromagnetic Compatibility	EN 61326-1:2013 or equivalent
Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment	EN IEC 63000:2018 or equivalent

All bidders shall cite relevant standards and submit applicable documents proving and substantiating the compliance of the products in their bids with the relevant standards.

8. Accessories

In addition to the accessories required, the bidder shall state the recommended accessories if applicable and clearly state the prices of optional accessories, independent to the items tendered for in the document. .

9. Bid Prices

All non-exempt duties, taxes and other levies payable by the supplier under the Contract/Purchase Order, or for any other cause shall be included in the price and total Bid price submitted by the Bidder.

Unless otherwise specified, the unit rates and prices shall be quotes by the Bidder in the currency of the country in which the supplier is. Overseas supplier must price for DAP, Nadi Air Port, Fiji Islands. Local suppliers can price in DAP or VEP price.

No	Description	Quantity	Price (Unit) (Overseas -DAP) (Local – VIP)	Total Price(Overseas - DAP) (Local – VIP)
1	AC clamp power meters complete with accessories	20		

Note:

- Price is to be in currency of the country the bidders is from.
- Overseas bidders must price in DAP, Nadi Air Port. Local Bidders can price in VIP.
- Local bidders must provide in their bids the following documents:
 - Tax Compliance Certificate.

- Valid FNPF Compliance Certificate.
- Valid FNU Compliance Certificate (Local Bidders

10. Payment terms

The successful supplier will be paid in full only when the supply of the equipment has been fulfilled. No advance payment will be made. Should the supplier require any form of advance payment, then the supplier must provide EFL with a Bank Guaranty (BG) of the same amount as that of the advance payment. The BG shall be dated to expire post the completion of the supply. BG will be released upon completion of the supply and issuing of a Completion Certificate by EFL.

11. Period of Validity of Goods

Unless otherwise specified, 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 EFL as noncompliant. In exceptional circumstances, EFL shall/may solicit the Bidders' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing.

12. Packaging and marking

The packaging of the item by the Supplier must ensure that they are capable of being delivered undamaged giving due consideration to the quantity, distance of transportation and the preferred method of handling at each location.

TENDER CHECKLIST

The Bidders must ensure that the details and documentation mention below must be submitted as part of their tender Bid

Tender Number _____

Tender Name _____

1. Full Company / Business Name: _____

(Attach copy of Registration Certificate)

2. Director/Owner(s): _____

3. Postal Address: _____

4. Phone Contact: _____

5. Fax Number: _____

6. Email address: _____

7. Office Location: _____

8. TIN Number: _____

(Attach copy of the VAT/TIN Registration Certificate - Local Bidders Only (Mandatory))

9. FNPF Employer Registration Number: _____ **(For Local Bidders only) (Mandatory)**

10. **Provide a copy of Valid FNPF Compliance Certificate (Mandatory- Local Bidders only)**

11. **Provide a copy of Valid FRCS (Tax) Compliance Certificate (Mandatory Local Bidders only)**

12. **Provide a copy of Valid FNU Compliance Certificate (Mandatory Local Bidders only)**

13. Contact Person: _____

I declare that all the above information is correct.

Name: _____

Position: _____

Sign: _____

Date: _____

Tender submission

Bidders are requested to upload electronic copies via Tender Link by registering their interest at: <https://www.tenderlink.com/efl>

This is due to COVID 19 restrictions on movements. Therefore, EFL will not accept any hard copy submission to be dropped in the tender box at EFL Head Office in Suva.

This tender closes at 4.00pm (1600hrs) on Wednesday 20th October, 2021.

For further information or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9992400 or email us on tenders@efl.com.fj

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

The lowest bid will not necessarily be accepted as the successful bid.

The Tender Bids particularly the “Price” must be typed and not hand written.

Tender Submission via email or fax will not be accepted.