

# Energy Fiji Limited



## **Tender Document**

Tender No. : MR 65/2024

Preferred Supplier for IME NEMO Multifunction  
Metering Unit

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## **1.0 INVITATION FOR TENDERS**

Energy Fiji Limited invites sealed bids for the supply of IME Nemo HD-96+ MF96021 and the IME Transducer module IF-96001.

Interested bidders may obtain Tender Document at the EFL website: [www.efl.com.fj](http://www.efl.com.fj) and TenderLink website: <https://www.tenderlink.com/efl>

All tenders shall submit all documents required including spares pricing as per price template.

During evaluation of tenders, Energy Fiji Limited will invite a tenderer or tenderers for discussions, presentations and necessary clarification before awarding of the contract

The tender submissions close on the 6/03/24

## **2.0 INSTRUCTION TO BIDDERS**

### **2.1 Eligible Bidders**

- 2.1.1. This invitation is open to all Bidders who have sound financial background, and have previous experience in supplier of IME NEMO HD-96+ MF96021 and Transducer Module IME IF-96001.
- 2.1.2. Bidders shall provide such evidence of their continued eligibility satisfactory to EFL as EFL shall reasonably request.
- 2.1.3. Bidders shall not be under a declaration of ineligibility for corrupt or fraudulent practice.

### **2.2 Eligible Materials, Equipment and Services**

- 2.2.1. The materials, equipment, and services to be supplied under the Contract shall have their origin from reputable companies as specified by EFL and from various countries and all expenditures made under the Contract will be limited to such materials, equipment, and services. Upon request, bidders may be required to provide evidence of the origin of materials, equipment, and services.
- 2.2.2. For purposes of this Contract, "services" means the works and all project-related services including design services.
- 2.2.3. For purposes of this Contract, "origin" means the place where the materials and equipment are mined, grown, produced or manufactured, and from which the services are provided. Materials and equipment are produced when, through manufacturing, processing or substantial or major assembling of components, a commercial recognized product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 2.2.4. The materials, equipment and services to be supplied under the Contract shall not infringe or violate any industrial property or intellectual property rights or claim of any third party.

### **2.3 One bid per Bidder**

- 2.3.1. Each bidder shall submit only one bid. A bidder who submits or participates in more than one bid will cause all those bids to be rejected.

### **2.4 Cost of Bidding**

- 2.4.1. The bidder shall bear all costs associated with the preparation and submission of its bid and EFL will in no case be responsible or liable for those costs.

### **2.5 Site Visits**

- 2.5.1. No site visits are required for this tender.

## **2.6 Contents of the Bidding Documents**

- 2.6.1. The bidder is expected to examine carefully the contents of this Bidding document. Failure to comply with the requirements of bid submission will be at the bidder's own risk. Bids which are not substantially responsive to the requirements of the bidding documents will be rejected.
- 2.6.2. The following are the mandatory submission of a successful tender bid;
- Pricing Schedule
  - Program of Works
  - Company Profile (Max 2 pages in standard A4)
    - Work History - Project/ Work done with referee, EFL work history.
    - Company background
  - Fiji Revenue & Customs Service (FRCA) compliance
  - Fiji National Provident Fund (FNPF) compliance
  - Signed checklist declaration (Appendix 5.1)

Failure to submit required documents may affect bid compliance even make it non-compliance.

## **2.7 Clarification of Bidding Documents**

- 2.7.1. A prospective bidder requiring any clarification of the bidding documents may notify EFL in writing by fax email addressed to:

Jitendra Reddy  
Manager Procurement, Inventory & Supply Chain  
2 Marlow Street,  
Suva, Fiji  
Phone: +679 331 3333 Ext 2320 or  
Mobile: +679 999 2400  
Email: [JReddy@efl.com.fj](mailto:JReddy@efl.com.fj)

- 2.7.2. EFL will respond to any request for clarification which it receives earlier than 10 days prior to the deadline for submission of bids.

## **2.8 Amendment of Bidding Document**

- 2.8.1. At any time prior to the deadline for submission of bids, EFL may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents by issuing addenda.

## **2.9 Language of Bid**

- 2.9.1. The bid, and all correspondence and documents related to the bid, exchanged between the bidder and the EFL shall be written in the English language.

## **2.10 Bid Prices**

- 2.10.1. Unless specified otherwise, Bidders shall quote for the entire facilities on a "single responsibility" basis such that the total bid price covers all the Supplier's obligations mentioned

in or to be reasonably inferred from the bidding documents in respect of the design, manufacture, including procurement and subcontracting (if any), testing and delivery.

- 2.10.2. Bidders shall give a breakdown of the prices in the manner and detail called for in this bidding document, or any issued addenda.
- 2.10.3. For Oversea Suppliers, bids shall be given on Cost Insurance Freight (CIF) or Delivery at Place (DAP) basis. The point of delivery shall be Lautoka port for Sea. The term CIF & DAP shall be governed by the rules prescribed in the current edition of Incoterms (i.e. the eighth version - Incoterms 2010), published by the International Chamber of Commerce, Paris. Stated Otherwise with validation.

## **2.11 Bid Currencies**

- 2.11.1. Prices shall be quoted in a single currency only.

## **2.12 Bid Validity**

- 2.12.1. Bids shall remain valid for a period of 60 days from the date of Deadline for Submission of Bids specified in Sub-Clause 2.15.

## **2.13 Format and Signing of Bids**

- 2.13.1. The bidder shall provide one electronic copy of the Technical and Financial proposals on EFL's electronic tender hosting website; <https://www.tenderlink.com/efl>
- 2.13.2. The bid shall contain no alterations, omissions or additions, except those to comply with instructions issued by EFL, or as necessary to correct errors made by the bidder, in which case such corrections shall be initialled by the person or persons signing the bid.

## **2.14 Sealing and Marking of Bids**

- 2.14.1. Due to the Covid19 restrictions on movements, bidders are encouraged to bid via Tenderlink Portal.

## **2.15 Late Bids**

- 2.16.1. Any bid received by EFL after the deadline for submission of bids prescribed above will be rejected and returned unopened to the bidder.

## **2.16 Modification and Withdrawal of Bids**

- 2.17.1. The bidder may modify or withdraw its bid after bid submission, provided that written notice of the modification or withdrawal is received by EFL prior to the deadline for submission of bids.
- 2.17.2. No bid may be modified by the bidder after the deadline for submission of bids.

## **2.17 Rejection of one or all Bids**

- 2.18.1. EFL 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 rejection.

## **2.18 Process to be Confidential**

- 2.19.1. Information relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process.
- 2.19.2. Any effort by a bidder to influence EFL's processing of bids or award decisions may result in the rejection of the bidder's bid.
- 2.19.3. Lowest bid will not necessarily be accepted as successful bid.

## **2.19 Clarification of Bids**

- 2.20.1. To assist in the examination, evaluation and comparison of bids, EFL may, at its discretion, ask any bidder for clarification of its bid. The request for clarification and the response shall be in writing or by fax, but no change in the price or substance of the bid shall be sought, offered or permitted except as required to confirm the correction of arithmetic errors discovered by EFL in the evaluation of the bids in.

## **2.20 Preliminary Examination**

- 2.21.1. Energy Fiji Limited will examine the tenders to determine whether they are complete, whether any computational errors have been made, whether the documents have been properly signed, and whether the tenders are generally in order.
- 2.21.2. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the tenderer does not accept the correction of the errors, its tender will be rejected. If there is a discrepancy between words and figures, the amount in words will prevail.
- 2.21.3. Energy Fiji Limited may waive any minor informality or non-conformity or irregularity in a tender that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any tenderer.
- 2.21.4. Prior to the detailed evaluation, pursuant to **Clause 2.21**, Energy Fiji Limited will determine the substantial responsiveness of each tender to the tender document. For purposes of these paragraphs, a substantially responsive tender is one, which conforms to all the terms and conditions of the tender document without material deviation Energy Fiji Limited's determination of a tender's responsiveness is to be based on the contents of the tender itself without recourse to extrinsic evidence.
- 2.21.5. If a tender is not substantially responsive, it will be rejected by Energy Fiji Limited and may not subsequently be made responsive by the tenderer by correction of the nonconformity.

### 3.0 **TECHNICAL SPECIFICATION**

#### 3.1 **General Information**

##### 3.1.1 **General Conditions**

The recommended Supplier or Bidder for this Tender will be responsible for supplying NEMO HD96+ MF96021 and IME Transducer module IF96001 as and when requested ensuring the amount requested is supplied in due time before the EFL generators operation are affected. The pricing for the supply of these required items should be locked for a period of three years and the minimum number required shall be 40 for each NEMO meter and Transducer

In this Tender also, the EFL invites potential bidders to submit bids for the supply of forty number (40) of IME NEMO HD96+ MF96021 and forty number (40) of IME Transducer module IF96001. The IME NEMO HD96+ MF96021 with transducer metering unit shall provide a 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 included in their tender cost-whether specifically in the schedule as below:

- Supply of (40) x NEMO HD96+ MF96021
- Supply of (40) x IME Transducer module IF96001

##### 3.1.2 **Energy Fiji Limited**

The contractor shall at times comply with all Energy Fiji Limited's HSE Regulations currently in force.

##### 3.1.3 **Service Life**

Bidders are required to comment on the reliability and performance of the Unit offers for a service life of more than 10 years under the specified environmental conditions.

Height above sea level	:	not exceeding 1000m
Atmosphere	:	Saliferrous, Corrosive and dusty
Ambient temperature	:	Peak 40°C / 24-Hour Average 30°C
Relative Humidity (Average)	:	90%
Annual Average Rainfall	:	1900 mm

**Note:** Fiji is situated in a region where cyclones are experience frequently.

##### 3.1.4 **System Condition**

Each Unit shall be suitable for use on its respective system position.

Three Phase Rated voltage (rms)	:	415V
Single Phase Rated voltage (rms)	:	240V
System Frequency	:	50Hz



### **3.1.5 Packing and Marking**

The packing of the items by the Bidders must ensure that they are capable of being delivered undamaged giving due consideration to the quantity, distance of transporting and the preferred method of handling at each location.

### **3.1.6 Delivery Location**

EFL Lautoka or EFL Kinoya Depot

### **3.1.7 Environmental Control**

Comply with all environmental protection provisions in the contract and the requirements of any statute, by law, standard and the like related to environmental protection.

### **3.1.8 Quality Requirements**

Bidders are required to submit evidence of a Quality Management System that complies with AS/NZS 9001

All documentary evidence shall be provided concerning the level of Quality System Certification associated with the supplier and or manufacturer.

### **3.1.9 Product Warranty Period**

The Bidder is required to provide the warranty period as part of the proposal. For all Unit supplied by third-parties, the contractor is to ensure that the warranties of these unit are transferred to EFL as beneficiary.

A minimum warranty of twelve (12) months from time of dispatch from factory shall be provided.

### **3.1.10 Applicable Laws**

The Bidders warrants (without limiting any other warranties or conditions implied by law) that all unit have been produced, sold and delivered to EFL in compliance with all applicable laws. (Including all workplace health, safety and electrical safety legislation and codes of conduct).

### **3.1.11 Applicable Standard**

All unit specification shall covers the manufacturing, testing, supply and performance requirements of the low voltage metering units.

#### **IEC International Electrotechnical Commission**

IEC 601010-1 : Safety requirements for electrical equipment for measurement, control and laboratory use.

IEC 60529 : Degrees of Protection provided by Enclosures (IP Code)

#### **EN European Standard**

EN 60529 : Degree of protection provided by enclosure (IP Code)

EN 61326-1 : Applicable standard for measurement, control and laboratory equipment.

#### **ISO International Organization for Standard**

ISO 9001 : Quality System Model for quality Assurance in Design, Development, Production, Installation and Servicing.

The units shall comply with the latest standards listed above as a minimum.

**3.1.12 Other Accessories**

Any and all other accessories normally required for testing, operating and maintenance of the units shall be furnished by the Bidders.

**3.2 Technical Details**

**3.2.1** Tabulated below is the specification of the NEMO HD96+MF06021 and the Transducer Module IF96001.

No.	Quantity	Type	Description	Rated
1.	40	NEMO HD96+MF96021	Display Technology	LCD
			Refresh Time	1.1s
			Input Frequency	50 Hz
			Input range	1.....5A
			Input voltage, 1ph	50 – 230VAC
			Input voltage, 3ph	80 – 400VAC
			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 – 265VAC
			Connection Method	CT & VT connect
IP Rating Front	IP54			
2.	40	IME Transducer Module IF96001	Communication	RS485 module with multifunction power monitors
			Protocol	MODBUS/JBUS RTU protocol
			Address Range	Address selection 001 - 255

## **4.0 PRICE SCHEDULE**

### **Preferred Supplier for IME NEMO Multifunction Metering Unit**

Item	Item Description	Quantity	Unit Price	Total Price Currency: _____
1	Supply of NEMO HD96+ MF96021 Base 80-265V	40		
2	Supply of Transducer Module IF96001	40		
	Freight charges			
	Total (VEP)			
	<b>9% Vat</b>			
<b>TOTAL (VIP)</b>				

**Notes:**

1. Technical;
  - a. The bids must as per the Technical Specifications in the Tender Documents. Bids that do not conform to the technical Specification will be disqualified
  - b. Documentary evidence to prove that the items offered comply with the Technical Specification must be provided.
  - c. The Supplier/ Contractor shall provide a warrants for Goods or services for provided unless stated otherwise.
  - d. The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications
2. Financial;
  - a. In case of discrepancy between unit and total cost, the unit cost shall prevail
  - b. Any advance payment will require a bank guarantee. And this added cost will be beared by bidder
  - c. The currency used in the tender bid prices must be indicated in the tender bid
  - d. Prices shall be fixed during the Supplier’s performance of the Contract and not subject to variation on any account.
  - e. EFL financial terms are applicable for these works.
3. EFL Energy Fiji Limited uses Federation Internationale Des Ingenieurs Conseil (FIDIC) Contract template. General conditions of this contract shall be governed by it.

4. Failure to submit required documents may affect bid compliance. Failure to submit mandatory items as stated in Compliance Checklist will result in non-compliance.
5. A detailed work plan to be provided with expected date for the works.

#### 4.1 **Compliance Checklist Declaration**

I \_\_\_\_\_ of \_\_\_\_\_ located at \_\_\_\_\_ confirm that the bid submitted for the following tender MR 65/2024 : Preferred Supplier for IME NEMO Multifunction Metering Unit bid complies to the mandatory bidder submission as stated in Sub Clause 2.6;

	Yes	No	Comments
Price Schedule			
Company Profile			
Statement of Exclusion or Amendment for Tender Specification (if Any)			
Shipping Term (if Applicable)			
Payment Term			
Price Validity [preferred 60 days]			
Withholding Tax Inclusion (If Applicable)			

Scope of Supply & Submissions;

	Yes	No	Comments
Past Supply History/ Experience submission			
Warranty on NEMO and Transducer Module			

Note that these submissions are mandatory submission for a successful tender bid. This declaration must be signed and submit as well.

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Company: \_\_\_\_\_

Sign Off: \_\_\_\_\_

Date: \_\_\_\_\_

## 4.2 Tender Check List

***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: \_\_\_\_\_

## 5.0 TENDER FORM

To: Jitendra Reddy  
Manager Procurement, Inventory & Supply Chain  
Energy Fiji Limited  
2 Marlow Street,  
Suva,  
Fiji Islands  
Phone: +679 331 333 EXT 2320  
Mobile : +679 999-2400  
Email: [JReddy@efl.com.fj](mailto:JReddy@efl.com.fj)

Sir,

1. Having examined the Tender Document, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply  
.....  
*(Description of Goods)* in conformity with the said Tender Document for the sum  
.....  
..... *(total tender amount in words and figures)* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Tender.
2. We undertake, if our Tender is accepted, to deliver the Goods in accordance with the delivery schedule specified in the Schedule of Requirements.
- 4 We agree to abide by this Tender for a period of 90days from the date fixed for Tender opening under Clause 19 of the Instructions to Tenderers, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
5. Until a formal Contract is prepared and executed, this Tender, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.
6. We understand that you are not bound to accept the lowest or any Tender you may receive.

Dated this: \_\_\_\_\_ day of \_\_\_\_\_ 201\_.

*[Signature] [In the capacity of]*

Duly authorized to sign Tender for and on behalf of

## **6.0 SUBMISSION TO TENDER**

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

**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 06<sup>th</sup> March, 2024.**

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](mailto:tenders@efl.com.fj)

**The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act. Bidders are to clearly state the percentage of VAT that is applicable to the bid prices.**

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.**

**Any request for the extension of the closing date must be addressed to EFL in writing three (3) working days prior to the tender closing date.**

**Tender Submission via email or fax will not be accepted.**



**APPENDIX A: GUARATEED TECHNICAL PARTICULARS**

All Bidders are requested to complete and submit a copy of this form with their bid submissions.

No.	Type	Description	Rated
1.	NEMO HD96+ MF96021	Display Technology	
		Refresh Time	
		Input Frequency	
		Input range	
		Input voltage, 1ph	
		Input voltage, 3ph	
		Accuracy Class Active	
		Accuracy Class, kWh, IEC 61557-12	
		Accuracy Class kVARh, IEC 61557-12	
		Umin Supply Voltage, AC, Min - Max	
		Connection Method	
		IP Rating Front	
2.	IME Transducer Module IF96001	Communication	
		Protocol	
		Address Range	