



**MR 263/2024**

**CARRY OUT TOPOGRAPHIC SURVEY FOR  
TAMAVUA-I-WAI & WAILEKUTU 33KV  
TRANSMISSION LINE CROSSING BRIDGE PROJECT  
FOR ENERGY FIJI LIMITED**

**ENERGY FIJI LIMITED**

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**REVISION HISTORY & DOCUMENT CONTROL**

<b>Rev No.</b>	<b>Notes</b>	<b>Prepared By</b>	<b>Reviewed &amp; Approved By</b>	<b>Date of Issue</b>
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# 1 BACKGROUND

Energy Fiji Limited (“EFL”) is a limited liability company that was established under the Companies Act (2015), Laws of Fiji. It is supervised by a Board of Directors comprising representatives from its major shareholders.

The Executive Management team of EFL consists of the Chief Executive Officer, Deputy Chief Executive Officer, Chief Operating Officer, Chief Finance Officer, General Manager Human Resources, General Manager Generation, General Manager Network, General Manager Customer Services, General Manager System Planning and Control, General Manager Special Projects and Chief Information Officer.

EFL is primarily responsible for generation, transmission and distribution of electricity in Viti Levu, Vanua Levu, Ovalau and Tavueni in Fiji. It owns over twenty (20) power stations and twenty (20) substations and switching stations on the islands of Viti Levu, Vanua Levu, Taveuni and Ovalau. EFL owns, operates and maintains a network of 147km of 132kV transmission lines, 534.86km of 33kV lines and over 10,500km of 11kV and 415V distribution lines, as at 31<sup>st</sup> December 2022.

EFL is undertaking investments to develop the electricity generation, transmission and distribution networks to continue to meet power supply requirements for its customers. As part of this project, EFL seeks competitive tender bids from registered surveyors in Fiji to carry out survey of Tamavua-i-wai and Wailekutu site. The location of the site is as given in these specifications.

During evaluation of tender bids, EFL may invite a tenderer or tenderers for discussions, presentations and any necessary clarification before proceeding further.

The deadline to submit tender bids is **1600hrs on 4<sup>th</sup> September 2024**, Fiji Time.

Further information relating to this tender may be acquired from:

Jitendra Reddy  
Manager Procurement, Inventory & Supply Chain  
2 Marlow Street, Suva, FIJI.  
Phone: 679 3224 320/9992400  
Facsimile: 679 331 6773  
Email: [tenders@efl.com.fj](mailto:tenders@efl.com.fj)

## **2 INSTRUCTIONS FOR TENDERERS**

### **2.1 Eligible Tenderers**

This invitation is open to Tenderers who have sound Financial Background, and have previous experience in carrying out such work.

Tenderers shall provide such evidence of their continued eligibility satisfactory to EFL as EFL shall reasonably request, using the forms provided in the Schedules.

Tenderers shall not be under a declaration of ineligibility for corrupt or fraudulent practice.

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

The materials, equipment, and services to be supplied under the Contract shall have their origin from reputable companies and countries and all expenditures made under the Contract will be limited to such materials, equipment, and services. Tenderers shall be required to provide evidence of the origin of materials, equipment, and services in their bids.

For purposes of this Contract, "services" means the works and all project-related services including design services.

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.

The services to be provided 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 Tenderer**

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

### **2.4 Cost of Bidding**

The Tenderer 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**

Wednesday **21<sup>st</sup> August, 2024 at 10.00am** at Tamavua-i-wai & Wailekutu Bridge site.

## 2.6 Contents of Bidding Documents

The Tenderer is expected to examine carefully the contents of this Bidding document. Failure to comply with the requirements of bid submission will be at the Tenderer's own risk. Bids which are not substantially responsive to the requirements of the bidding documents will be rejected.

## 2.7 Clarification of Bidding Documents

A prospective Tenderer requiring any clarification of the bidding documents may notify EFL in writing by email addressed to:

Jitendra Reddy  
Manager Procurement, Inventory & Supply Chain  
2 Marlow Street, Suva, FIJI.  
Phone: 679 3224 320/9992400  
Facsimile: 679 331 6773  
Email: [tenders@efl.com.fj](mailto:tenders@efl.com.fj)

EFL will respond to any request for clarification which it receives earlier than **five (5)** days prior to the deadline for submission of bids.

## 2.8 Amendment of Bidding Document

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 Tenderer, modify the bidding documents by issuing addenda.

## 2.9 Language of Bid

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

## 2.10 Bid Prices

Unless specified otherwise, Tenderers 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.

Tenderers shall give a breakdown of the prices in the manner and detail called for in the Schedules of this bidding document, or any issued addenda.

## 2.11 Bid Currencies

Prices shall be quoted in a single currency **FJD VIP** only and shall be inclusive of all applicable taxes.

## 2.12 Bid Validity

Bids shall remain valid for a period of **90 days** from the date of Deadline for Submission of Bids specified in Sub-Clause 2.15.

## 2.13 Format, Labelling and Signing of Bids

The Tenderer shall submit electronic copy of the Technical and Financial proposals on EFL's electronic tender hosting website, <https://www.tenderlink.com/efl>. **EFL will not accept any hardcopy submissions.**

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 Tenderer, in which case such corrections shall be initialed by the person or persons signing the bid.

The bids shall:

- a) be addressed to EFL as follows:

Jitendra Reddy  
Manager Procurement, Inventory and Supply Chain  
2 Marlow Street, Suva, FIJI.  
Phone: 679 3224 320/9992400  
Facsimile: 679 331 6773  
Email: [tenders@efl.com.fj](mailto:tenders@efl.com.fj)

And

- b) bear the following identification:

- Bid for: CARRY OUT TOPOGRAPHIC SURVEY FOR Tamavua-i-wai & Wailekutu 33KV Transmission Line Crossing Bridge project for Energy Fiji Limited.
- Bid Tender Number: MR 263/2024
- DO NOT OPEN BEFORE: 1600hrs on 4<sup>th</sup> September 2024

## 2.14 Deadline for Submission of Bids

Bids must be received by EFL at the address specified above no later than 1600 hours (Fiji Time) 4<sup>th</sup> September 2024.

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

## 2.15 Late Bids

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

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

The Tenderer 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. The modification or withdrawal of Bids notice shall also be lodged in the EFL electronic tender hosting website listed above.

No bid may be modified by the Tenderer after the deadline for submission of bids.

## **2.17 Rejection of One or All Bids**

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 Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the rejection.

## **2.18 Process to be Confidential**

Information relating to the examination, clarification, evaluation and comparison of bids and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process.

Any effort by a Tenderer to influence EFL's processing of bids or award decisions may result in the rejection of the Tenderer's bid.

Lowest bid will not necessarily be accepted as successful bid.

## **2.19 Clarification of Bids**

To assist in the examination, evaluation and comparison of bids, EFL may, at its discretion, ask any Tenderer 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.

## **2.20 Compliance with Specifications**

The tender shall be based on the equipment and work specified and shall be in accordance with the Technical Specification. It should be noted that unless departures from specifications are detailed in Schedules of the Technical Specification, the tender would be taken as conforming to the Specification in its entirety. The Tenderer shall tender for the whole of the Works included in the Specification.

## **2.21 Signature of Tenderer**

A tender submitted by a Partnership shall be signed by one of the members of the Partnership and shall be accompanied by a certified authorization of all the partners authorizing the individual partner to sign on behalf of the Partnership. A tender submitted by a Corporation to the Contract and shall be accompanied by a certified resolution of the Board of Directors authorizing the individual to sign on behalf of the Corporation.

## 2.22 Insurance

The Tenderer is to confirm that they have in effect the insurance policies below and provide copies of valid certificates with the bid:

1. Professional indemnity : \$250,000.00
2. Public and Products Liability Insurance : \$250,000.00



### **3 GENERAL CONDITIONS OF CONTRACT**

The General Conditions of Contract shall be FIDIC Client/Consultant Model Services Agreement – Fifth Edition 2017 (White Book).

### **4 ADDITIONAL CLAUSES TO GENERAL CONDITIONS OF CONTRACT**

EFL will provide during the contract stage.

### **5 SCOPE OF WORK**

#### 1. Introduction:

The purpose of this document is to outline the scope of work for conducting a topographical survey for a water crossing bridge project. The survey aims to provide detailed information about the terrain and features of the project area to facilitate the design and construction of the bridge.

#### 2. Project Overview:

The project involves the construction of a water crossing bridge at Tamavua-i-wai & Wailekutu Bridge. The bridge will span across river/stream/body of water and connect to Access Road on both ends. The topographical survey is essential for gathering accurate data about the project site, including existing ground conditions, natural features, and any man-made structures that may impact the bridge design.

#### 3. Objectives:

- a. To accurately map the terrain of the project area, including elevation changes, slopes, and natural features.
- b. To identify and locate existing infrastructure, such as roads, utilities, and buildings, that may influence the bridge design or construction process.
- c. To assess any environmental factors that could affect the bridge location or design, such as wetlands, floodplains, or protected areas.
- d. To provide detailed survey data to support the engineering and design phases of the bridge construction project.

#### 4. Scope of Work:

The scope of work for the topographical survey includes, but is not limited to, the following tasks:

- a. Conducting field surveys using advanced surveying equipment, such as total stations, GPS receivers, and drones, to collect accurate data about the project site.
- b. Establishing control points and benchmarks to ensure the accuracy and consistency of the survey measurements.
- c. Collecting elevation data at regular intervals to create a detailed contour map of the project area.
- d. Identifying and documenting natural features, such as rivers, streams, vegetation, and rock outcrops that may impact the bridge design or construction.
- e. Mapping existing infrastructure, including roads, bridges, utilities, and property boundaries, within the project area.
- f. Assessing environmental conditions, such as soil types, drainage patterns, and environmental constraints that may affect the bridge construction process.
- g. Generating comprehensive survey reports, maps, and digital datasets that can be used by engineers, designers, and other stakeholders during the bridge planning and design phases.

The site location is as shown in the map below.



Figure 1: The area hatched on the Locality Map is area subjected to Topography Survey for Tamavua-i-wai.



Figure 2: The area hatched on the Locality Map is area subjected to Topography Survey for Wailekutu.

## 5. Deliverables:

Upon completion of the topographical survey, the following deliverables shall be provided to EFL:

- a. Digital survey data in industry-standard formats (e.g., DWG, DXF, and XYZ) suitable for use in CAD software and engineering design applications.
- b. Contour maps and elevation models showing the topography of the project area.
- c. Survey reports documenting the methods, procedures, and findings of the topographical survey.
- d. Any additional documentation or supplementary materials requested by the client or project stakeholders.
- e. Submit EFL with full set of hardcopies of A3 & A2 size.
- f. Submit to EFL all the soft copies of Topography survey report in PDF & AutoCAD format.

## 6. Schedule:

The anticipated program for the work is shown below.

<b>Milestone</b>	<b>Target Deadline</b>
Close of Tender	4/09/2024
Award of Tender	20/09/2024
Issue of Purchase Order	27/09/2024
Site Mobilization, pegging, traversing, bench marking and topographic survey	2 Weeks after of issue of purchase order
Designing, drawing	3 weeks
Submit to EFL for review	2 Days
Acceptance by EFL	1 Day

## 7. Quality Assurance:

The survey shall be conducted in accordance with industry best practices and standards for topographical mapping and surveying. Quality control measures shall be implemented throughout the survey process to ensure the accuracy and reliability of the collected data.

## 8. Project Team:

The topographical survey shall be carried out by a team of experienced surveyors and technicians with expertise in land surveying, geospatial analysis, and engineering survey techniques. The team shall be led by a licensed professional surveyor who will oversee all aspects of the survey work.

#### 9. Health, Safety, and Environmental Considerations:

The survey team will adhere to all relevant health, safety, and environmental regulations and guidelines during field operations. Measures shall be taken to minimize any potential impacts on the environment and ensure the safety of personnel working in the field.

#### 10. Stakeholder Coordination:

The survey team shall coordinate closely with the client, project stakeholders, and regulatory agencies to address any concerns or requirements related to the topographical survey. Open communication channels shall be maintained throughout the survey process to ensure that project objectives are met effectively.

#### 11. Budget and Cost Estimates:

A detailed budget and cost estimate for the topographical survey for both site shall be provided separately to the client prior to the commencement of fieldwork. Any additional expenses or unforeseen costs shall be communicated promptly and managed transparently throughout the project duration.

#### 12. Supervision and Reporting

The EFL Project Manager for this work package will be General Manager Special Projects. The project will fall under Special Projects SBA. The Project Manager will appoint an EFL supervisor for liaison.

The successful tenderer will be required to provide fortnightly updates on the progress of work in an agreed format of reporting.

#### 13. Schedule

The following is required:

- Detailed Company Profile
- FNPF & FRCS compliance certificate
- FNU compliance.
- Company Registration Certificate.
- Tin letter
- Company bank details
- Postal Address
- Accounts Contact person
- Company telephone contact

#### 14. Payment Schedules and Terms

The payment will be based on **LUM-SUM** basis. EFL will not be making any advance payment for this work. **The prices quoted shall be inclusive of provisional tax for local service providers.**

#### 15. Conclusion

The topographical survey shall provide valuable information and data to support the planning, design, and construction of the water crossing bridge project at Tamavua-i-wai and Wailekutu. By accurately mapping the terrain and features of the project area, the survey will help mitigate risks, optimize design solutions, and ensure the successful implementation of the bridge construction project.

## 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 tender closes at 4.00pm (1600hrs) on Wednesday 04/09/2024**

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.**

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.**