



**ENERGY FIJI LIMITED**

# **BIDDING DOCUMENT**

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**Power cable and control cable  
laying works at EFL Kinoya Power station**

**TENDER NO: MR 102/2020**

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# INVITATION FOR BIDS

Date: **23<sup>rd</sup> March, 2020**  
Tender No: **MR 102/2020**

The ENERGY FIJI LIMITED (“The Employer”) invites sealed bids from reputable and suitable Bidders for Power cable and control cable laying works at EFL Kinoya Power station.

All bids for the contract shall be submitted on the appropriate forms provided and shall include the completed price schedule, technical schedule and schedules of experience etc. The bid shall be on the basis of a lump sum contract based on firm prices.

Bidders may obtain further information from, and inspect and acquire the bidding documents, at

**Power cable and control cable laying works at EFL Kinoya Power station**  
ENERGY FIJI LIMITED  
The Secretary Tender Committee  
2 Marlow Street, Suva, FIJI.  
Suva

The deadline for submission of bids shall be **1600hrs (local time) on Wednesday, 15<sup>th</sup> April, 2020.**

**Mandatory Site Visit: 9am Wednesday 1<sup>st</sup> of April, 2020 at the EFL’s Kinoya Depot.**

During evaluation of bids the EFL may invite a bidder or bidders for discussions, presentations and any necessary clarification before awarding the contract price proposal.

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## Section 1 - Instructions to Bidders

- 1. Scope of Bid** The ENERGY FIJI LIMITED (hereinafter referred to as "the Employer"), wishes to receive bids for the 25MVA TRANSFORMER T1 33kV/11kV AND CONTROL CABLING WORKS AT EFL's KINOYA DEPOT as defined in these bidding documents (hereinafter referred to as "the Works").
- The successful bidder will be expected to supply the items within 4 months from the date of commencement of the Works.
- 2. Eligible Bidders** This Invitation to Bid is open to bidders who have sound financial background and have previous experience in handling such civil projects.
- 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.
- 2. Eligible Materials, Equipment and Services** The materials, equipment, and services to be supplied under the Contract shall have their origin from reputable companies from various countries and all expenditures made under the Contract will be limited to such materials, equipment, and services. At the Employer's request, bidders may be required to provide evidence of the origin of materials, equipment, and services.
- 3. 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 complete the works in accordance with the specifications and the time for completion.
- 4. 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. Sealing and Marking of Bids** The bidder shall seal the original copy of the technical proposal, the original copy of the price proposal and each copy of the technical proposal and each copy of the price proposal in separate envelopes clearly marking each one as: "ORIGINAL-PROPOSAL", and "COPY PROPOSAL", etc. as appropriate.

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The bidder shall seal the original bids and each copy of the bids in an inner and an outer envelope, duly marking the envelopes as "ORIGINAL" and "COPY".

The inner and outer envelopes shall be addressed to the Employer at the following address: Abdul Nasim

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

And

bear the following identification:

- Bid for: Power cable and control cable laying works at EFL Kinoya Power station
- Bid Tender Number: MR 102/2020
- DO NOT OPEN BEFORE Wednesday, 15<sup>th</sup> April, 2020.

**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, 15<sup>th</sup> April, 2020.

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 in Clause 23 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.

The bidder's modification or withdrawal notice shall be prepared, sealed, marked and delivered in accordance with the provisions of Clause 22, with the outer and inner envelopes additionally marked "MODIFICATION" or "WITHDRAWAL", as appropriate. A withdrawal notice may also be sent by fax but must be followed by a signed confirmation copy.

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**

Notwithstanding Clause 34, 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.

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**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 fax, 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, completion and maintenance 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 a performance security, 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. Corruptor 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) 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;

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Furthermore, bidders shall be aware of the provision stated in Sub-Clause 1.16 and Sub-Clause 15.5 of the Conditions of Contract, Part II - Conditions of Particular Application.

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# **Section 2**

Employer's Requirements  
Scope of Works

# SCOPE OF WORKS

## 1. GENERAL DESCRIPTION

The scope of works is to carry out all the necessary cabling works for the relocation of the existing 33kV/11kV transformer T1 to the newly constructed transformer pads behind the 33kV switching room at the EFL's Kinoya Depot.

Following is the breakdown of the Scope:

### 1. Trenching and installation of new 33kV and 11kV power cables.

- Dig trench from the 33KV switching room till the new Transformer 1 pad and lay new 3 x 33kV 630mm XLPE cables from the 33kV breaker inside the 33kV switching room to the 33kV Termination terminal of the transformer T1 at the new location of the Transformer T1. Breaker trench wall at 33kV building to make way for power cable and control cable entry. Install conduits at entry point and reinstate to prevent any water from entering trench. Reinstall trench with proper reinstatement, HD cover and Hap tape.
- Dig Trench from the 11kV Switching room till the New transformer T1 pad and Lay new 6 x 11kV 630mm XLPE cables (2 cables per phase) from the 11kV circuit breaker inside the 11kV switching room to the 11kV Termination terminal of the transformer T1 at the New location of the Transformer T1. Burry the trench with proper reinstatement, HD cover and Hap tape.
- Power cables which passes under road, hard standing areas or where they would otherwise be at risk shall be laid in approved ducts. 3 sets of each circuit shall be installed inside the 150mm conduits.
- Dig Trench from the NER till the new transformer T1 pad and Lay new 1 x 630mm XLPE cables from the existing NER till the Neutral Termination terminal of the transformer T1 at the new location of the Transformer T1. Reinstall trench with proper reinstatement, HD cover and Hap tape.
- Design and reconstruct HV cable trays inside the concrete trench.
- All excavated un-used material will need to be transported and deposited at EFL Kinoya land fill
- All associate fine sand and base course will be provided by EFL at site.

Note : all 33kV , 11kV and neutral cable will be supplied by EFL. Bidders to pick these material from Kinoya Stores. )

### 2. Installation of new control cables.

- Dig and Lay New control cables with appropriate conduit (50mm) and cable tray where necessary from the 33kV switchgear inside the 33kV switching room till the Transformer T1 control panel at the New Transformer T1 pad.
- Dig and Lay New control cables with appropriate conduit (50mm) and cable tray where necessary from the 11kV switchgear inside the 11kV switching room till the Transformer T1 control panel at the New Transformer T1 pad.
- Dig and Lay New and control cables with appropriate conduit (50mm) and cable tray where necessary from the 11kV switchgear inside the 11kV switching room till the Transformer T1 control panel at the New Transformer T1 pad.
- (Note: all control cables will be supplied by EFL).

### 3. Removal of existing Power cables and control cables.

- Disconnect and remove the existing 4 x 33kV 300mm AL cable and 6 x 11kV 300mm AL cable and all other associated works appropriate for the 33kV/11kV transformer T1 to be transported to the New Transformer pad.
- Disconnect and remove the existing 6 x 33kV 300mm AL cable and 12 x 11kV 300mm AL cable from the 33kV Circuit Breaker inside the 33kV switching room and 11kV circuit breaker inside the 11kV switching room respectively.
- Disconnect all the Control cables for Transformer T1.

- All power cables and control cables removed to be scraped at EFL Kinoya Stores. Cable that are buried will be left buried.

#### **4. Termination for 33kV and 11kV cables.**

- Carry out termination works for the New 3 x 630mm XLPE cables on the transformer T1 termination terminal and also termination of the New 3 x 630mm XLPE cables on the 33kV breaker inside the 33kV Switching room.
- Carry out termination works for the New 6 x 630mm copper cables on the transformer T1 11kV termination terminal and also termination of the New 6 x 630 copper cables on the 11kV breaker inside the 11kV Switching room.
- Carry out termination works for the New 1 x 630 XLPE cables on the transformer T1 neutral termination terminal and also termination of the New 1 x 630 XLPE cables on the NER.
- (Note: Termination Kit will be supplied by EFL).

#### **5. Control cable, power cable conduits and cable Ladders**

- 33kV and 11kV cables conduits (150mm) to accommodate all the cables shall be encased in concrete casings with minimum thickness of 150mm and at depths of 1200mm on the entry of the substation and also on the entry to the bund wall of the transformer T1 pad.
- Control cable conduits (50mm) to accommodate all control and AC and DC cables shall be encased in concrete casings with minimum thickness of 50mm and at depths 600mm on the entry of the substation and also on the entry to the bund wall of the transformer T1 pad.
- Cut and remove the overhang conduits on the New Transformer T1 pad.
- Lay 50mm conduits to suit the route length of the control cable from the new transformer T1 pad till the 33kV switching station and 11kV switching station respectively.
- Construct cable ladders from Point A to B as shown in figure 2 to cater for the 11kV cables and Control cables when it enters the 11kV power house at point A.

#### **6. Compaction and reinstatement.**

If it is required to fill the land, the Contractor shall get approval for the filling material and method of construction before the commencement of work.

Filling for trenches, excavations and levelling of the site shall be deposited in layers not exceeding 300 mm of un-compacted thickness, each layer watered when necessary and well rammed or otherwise compacted to within 98% of the maximum dry density obtained by the use of a Proctor Standard Compaction Test.

Any fill material used within 500 mm of concrete structures cement bound materials shall have a soluble sulphate content not exceeding 2.5g per liter when tested in accordance with BS 1377, special precautions shall be taken to protect the concrete or cement bound materials to the approval of the Employer's Representative.

Where excavations whether in rock or other material, are made to a greater depth than detailed, the Intervening space shall be brought up to the proper level in plain concrete at the Contractor's expense.

Any formation encountered in the excavations which is not sufficiently strong to carry the loads which will be imposed on it, shall be excavated to an adequate load bearing stratum and replaced with mass concrete.

Unless otherwise described, directed or permitted, imported filling shall consist of pervious naturally occur ring material, free from mud, silt, clay, peat, vegetable or injurious matter and water soluble salts harmful to copper and other metals. Filling shall be imported only from approved areas.

- The area in front of the New Transformer pads (as shown in figure 1) needs to be reinstated and compacted with above stated specifications.
- Demolish the concrete trench in front of the two Transformer pads and do the compaction with above stated specifications.

Contractor to remove the partial Bund wall from one side of the Transformer pad (side facing the 33kV Switching station), Contractor to remove 2 Rows of Blocks from the bund wall for both the Transformer pads (15 blocks on each row), Maximum of 30 blocks from each bund.

Once the desired work has been completed, the contractor to reinstate the bund wall with 8 inch concrete blocks properly laid as the current arrangement and fill the block holes with 30mpa concrete mix.

## **7. Road Works**

Provide access road compatible enough to transport the transformer from the existing position to the new Pad via the shown path in the locality plan.

Scrap the top 100mm of the existing road and carry out compaction with AP40 grade gravel for the route given in appendix.

### **Note:**

All steel structures such as the cable tray for the control cables and 11kV cables have to be certified with AS/NZ Engineering standard and provide us with all necessary documentation.

All 11kV and 33kV trench should be 1m deep and 1m wide.

# **Section 3**

## Form of Proposals and Appendices

## SECTION 3

The Schedules are intended to provide the Employer with essential supplementary information in an organized format. Examples of more commonly used Schedules are given herein. Others may be devised and added in accordance with the requirements of the Instructions to Bidders.

All the Schedules are essential for bid evaluation and some in contract execution; they should all be incorporated in the Contract, and appropriate changes introduced with the approval of the Employer or its representative.

The schedules are to be completed and submitted as part of the Technical Proposal and Price Proposal in accordance with the Instructions to Bidders Clause 13, Documents Comprising the Bid. **Bidders whose Bids do not contact the data in the required format will be treated as non-responsive.**

### 1. CONTRACT PRICE

The Contract Price is comprehensive in that, in consideration of the Contractor meeting all obligations, conditions and liabilities under the Contract, including the Contractor's allowance for the cost of supply of all labor, materials, plant, supervision required to complete the Contract Works, overheads and profit, subject only such adjustment as is provided for the Contract.

### 2. PAYMENTS TERMS

1. All payments shall be due and payable by the Employer in accordance with the payments terms detailed below.
2. The payments shall be made on completion of milestones as identified and agreed by both the Employer's Representative and the Contractor.
3. The payments will be made based on the following schedule:

	Particulars	Milestones	Payment (% of contract price)
1	Advance Payment		Nil
2	Supply	Trenching and pulling of all the 33kV, 11kV and control cables.	25%
3	supply	Reinstatement of the area stated above.	15%
4	supply	Construction of control cable trays.	10%
5	supply	33kV and 11kV Terminations	20%
6	supply	Proper Reinstatement of the trench and concrete casing.	20%
7	Retention	6 Months after issuing of performance certificate	10%

### 3. SCHEDULE OF PRICES & CONDITIONS OF PAYMENT

#### 3.1 CONTRACT PRICE

The prices below are to be VIP

No.	Description	Supplier	Unit Rate	Total( FJD)
1	Trenching and installation of new 33kV and 11kV power cables.			
2	Installation of new control cables.			
3	Removal of existing Power cables and control cables.			
4	Termination for 33kV and 11kV cables.			
5	Control cable, power cable conduits and cable Ladders			
6	Compaction and reinstatement.			

**Note:** All prices to be in the currency of the supplies country.

# **Section 3**

Compliance and  
Mandatory  
submissions

## **1 OTHER DOCUMENTS TO BE SUBMITTED WITH BID**

As a minimum and mandatory, the following documents & drawings shall be submitted with the Bid for Evaluation.

1. Design for 11kV and 33kV cable route with the cable placement.
2. Design of the 11kV cable Ladder with standards complied with.
3. Design of the control cable tray and route.
4. List of Machinery.

### COMPLIANCE CHECKLIST

Compliance – the following documents are to be provided with the tender bid:

No.	Compliance	Check(v)
1	Valid FRCS tax compliance certificate. ( for local bidders)	
2	Valid FNPF certificate of Compliance. ( for local bidders)	
3	Manpower Listing and Competency	
4	Previous list of similar work experience.	
5	Business registration details.	
6	Detailed work Plan	

**Bidders are to ensure that the above item are included as part of their bid. Failure to provide documentation for the above will disqualify the bid.**

Name of Authorized Person	
Signature of the Bidder	
Company Stamp	
Date	

## Appendix

Figure 1: Locality Plan



Figure 2: Desired 11kV/33kV, Control and Neutral Cable route.



**Please note the Following:**

- **Approximate 11kV cable route : 90m**
- **Approximate 33kV cable route : 33m**
- **Approximate Control cable route : 95m**
- **Approximate Neutral cable route : 100m**

## **TENDER SUBMISSION CHECK LIST**

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

Tender Number \_\_\_\_\_

Tender Name \_\_\_\_\_

1. Full Company 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)**

9. Company Registration Number: \_\_\_\_\_

**(Attach copy of the Business License)**

10. FNPF Employer Registration Number: \_\_\_\_\_

**(For Local Bidders only)**

11. Contact Person: \_\_\_\_\_

I declare that all the above information is

correct. Name: \_\_\_\_\_

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

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

## 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 EFL Head Office, 2 Marlow Street, Suva, Fiji.

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

**This tender closes at 4:00 p.m. (16.00hrs Fiji time) on Wednesday 15<sup>th</sup> April, 2020.**

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

**MR 102/2020**

**Carry out Power Cable and Control Cable Works at EFL Kinoya Power Station**

The Secretary, Tender Committee  
Energy Fiji Limited  
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 on the envelope will be returned to the Tenderers unopened. (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 and must have the most current Tax Compliance Certificate.

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

Bidders are requested to submit a:

- Valid Tax Compliance Certificate
- FNPF Compliance Certificate

**(Tender Submission via email or fax will not be accepted)**