



**TENDER NO – MR 178/2021**

**PROJECT:**

**UNDERGROUND CABLE LAYING WORKS FOR 33KV  
EXTENSION FROM SAWANI SUBSTATION TO  
PROPOSED WAITOLU SUBSTATION.**

**SCHEME NUMBER- G34-15.**



**Notes:**

1. Bidders to provide electronic submission via Tender Link.
2. Company Safety Plan to be included in tender bid, and will be part of evaluation.
3. Cable Jointer Certificate to be included in tender bid.
4. Safety Report for 2019, 2020 to be submitted with tender.
5. Contractor shall provide photo ID of all employees who will be working on the project, clearly indicating their Employment/FNPF number and Job Description. A tabulated list of the same shall be provided.
6. The installation of the cable shall be carried out under direct EFL supervision. All work requiring EFL supervision shall be started and completed during normal working hours of EFL.
7. It is **mandatory** for a certified cable jointer to be part of the team carrying out works. Failure to have a cable jointer in the team may render the bid non-compliant.

**A. SPECIAL CONDITIONS OF CONTRACT**

1. The works shall comprise the installation of cables in stages below and as per attached Drawing # **A3 06 N76 001**

**Stage 1 Waia Treatment Road Junction**

Part	Cable laying detail	Route
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1.	Apply 200mm layer of sand bedding below the cable before laying cable and above the cable after laying the cable	As shown in the construction Drawing A3 06 N76 001.
2.	Lay 3 x 630mm <sup>2</sup> Single core power cable in trefoil arrangement from pole 14 to pole 15	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 118m
3.	Draw Fiber Optic Cable through the 100mm duct from pole 14 to pole 15	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 118m

### Stage 2 Navatuvula Village

Part	Cable laying detail	Route
1.	Apply 200mm layer of sand bedding below the cable before laying cable and above the cable after laying the cable	As shown in the construction Drawing A3 06 N76 001.
2.	Lay 3 x 630mm <sup>2</sup> Single core power cable in trefoil arrangement from pole 33 to pole 34	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 70m
3.	Draw Fiber Optic Cable through the 100mm duct from pole 33 to pole 34	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 70m

### Stage 3 First 132kV Crossing

Part	Cable laying detail	Route
1.	Apply 200mm layer of sand bedding below the cable before laying cable and above the cable after laying the cable	As shown in the construction Drawing A3 06 N76 001.
2.	Lay 3 x 630mm <sup>2</sup> Single core power cable in trefoil arrangement from pole 53 to pole 54	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 580m
3.	Draw Fiber Optic Cable through the 100mm duct from pole 53 to pole 54	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 580m

### Stage 4 Second 132kV Crossing

Part	Cable laying detail	Route
1.	Apply 200mm layer of sand bedding below the cable before laying cable and above the cable after laying the cable	As shown in the construction Drawing A3 06 N76 001.
2.	Lay 3 x 630mm <sup>2</sup> Single core power cable in trefoil arrangement from pole 58 to pole 59	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 290m
3.	Draw Fiber Optic Cable through the 100mm duct from pole 58 to pole 59	As shown in the construction Drawing A3 06 N76 001. Approx. Route length = 290m

**Note:**

- a) All care must be taken by the contractor while laying and pulling the cables. Any damage sustained during the transportation and installation works, the contractor will held accountable and will be liable to pay for the cost of damage and repair. In the event that the cable fails to pass the test, the Contractor shall be required to pay all costs associated with the location and repair of the damage/fault.
- b) No machinery will be allowed to be utilized in cable pulling works unless it is designed for the purpose and authorised by EFL.
- c) All materials will have to ordered by the contractor from EFL Kinoya stores and unused materials will have to be credited back to EFL Kinoya Stores
- d) All works shall be carried out in compliance with EFL and FRA (Fiji Roads Authority) guidelines, standards and procedures.
- e) Contractor shall only carry out the cable laying works under the supervision of EFL personnel.

2. The Contract sum for the works (refer clauses 1) shall be

Stages	Price (FJD VIP)
Stage 1 Waiala Treatment Road Junction	
Stage 2 Navatuvula Village	
Stage 3 First 132kV Crossing	
Stage 4 Second 132kV Crossing	

*Note: Hand written bids will be disqualified*

- a) payable at the completion of each stage as follows :

- 90% of Stage 1 upon completion of Stage 1,

- 90% of stage 2 upon completion of Stage 2,
- 90% of stage 3 upon completion of Stage 3,
- 90% of stage 4 upon completion of Stage 4,
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3. Work Schedule

- a) Latest date for commencement of the works: 1 day from issue of LPO
- b) Date of completion of Stage 1 : 3 days from issue of LPO
- c) Date of completion of Stage 2 : 5 days from issue of LPO
- d) Date of completion of Stage 3 : 10 days from issue of LPO
- e) Date of completion of Stage 4 : 14 days from issue of LPO
- f) Date of practical completion of the works. : 15 days from issue of LPO
- g) Date for final completion of the works : 16 days from issue of LPO

4. For the purpose of supervising the contract on behalf of the Authority, references in the General Conditions to the Authority shall include the Manager Transmission or his designated officer. The Project Manager, Project Engineer and Project Supervisor shall be the Transmission Engineer Central.

5. Insurance (refer clause 14)

- (a) Contractor's risk \$500,000.
- (b) Public Liability \$500,000.

6. Liquidated and ascertained damages (refer clause 20):  
\$200 per day.

7. Defects Liability period (refer clause 21): 6 months

8. Retention Fund (refer clause 24)

- (a) Limit of retention fund : 10% of contract sum
- (b) Nature of retention fund : cash
- (c) Release of retention fund: Subject to no pending defect, and as per EFL Finance Policy.

## **B. CONTRACTOR REQUIREMENTS**

1. **Tender Bid** – Contractor shall submit a firm lump sum bid for each stages.
2. **Site Visit** – Contractor shall participate in a site visit on Wednesday 29<sup>th</sup> September 2021 at the junction of Waila Treatment plant Road and Princess Road at 10am and is compulsory.  
Bids from tenderers who do not participate in the site visit shall be disqualified.
3. **Standards** – All construction work shall be in compliance with EFL Standard Overhead Line Design & Construction Manual.
4. **HSE Compliance** – The tender bid shall include all requirements from the EFL HSE Contractor Safety Management System. These will be evaluated by the EFL’s HSE Unit. Tender bids with incomplete, unacceptable, or without the HSE requirements will not be considered for award.
5. **Safety Record** – Tender bid shall include a brief report on Safety performance over the last two years. The report shall include all incidents and accidents.
6. **Sub-contracting** – Subcontracting shall not be permitted, except where this is specifically presented in the tender bid, and only upon approval by EFL. Subcontractors shall be required to fulfil all requirements as if they were the contractor.
7. **Scope of works** - Work involved in this contract is broadly classified into 4 stages where stages each is classified as per 3 phases below. Each stage is detailed under *First Schedule, Part A Special Conditions of the Contract, clause 1*
  - i) Application of Sand Bedding
  - ii) Laying of 3 x 630mm<sup>2</sup> underground cable
  - iii) Drawing of Fibre Optics Cable through the conduits
8. **Contact** - Contractor shall have a valid postal address, Office phone/fax/e-mail contact. The Principal shall be available by mobile phone at any time.
9. **Work Program** - Contractor shall submit a work programme before starting of project. This shall be part of the contract. Work shall commence within one (1) days after receiving an official EFL Local Purchase Order.
10. **Training** – Contractor shall ensure his employees have attended EFL Safety Manual Training at least once in the past 12 months, and records of this shall be submitted with the tender bid. In the event that the training has not been carried out, the Contractor shall ensure these training are carried **PRIOR** to induction for new project.
11. **Ground condition** – Contractors are to note that sub-soil comprises soapstone and could contain other services like Telecom Fiji Ltd, Water & Sewerage, etc.
12. **Invoicing** – Contractor shall submit details of work completed to allow prompt approval of invoice. Work completion shall be verified by EFL before processing invoice.
13. **Safety Induction** - A Safety induction must be conducted before start of any power line construction work whether overhead or underground.
14. **Instruction to Commence Work** - Contractor shall NOT commence work on site unless an “Instruction to Commence Work” has been received from the Project Manager.
15. **Signboards** - One signboard (6’X 4’) must be erected at the start of the works and one at the end of the works clearly stating the below or an approved FRA standard sign:

**DANGER**

**PROJECT: UNDERGROUND POWERLINE CONSTRUCTION – [Description of project]**

**CONTRACTOR: .....**

**POWER CABLE CONSTRUCTION WORK.**

**Driver please reduces speed.**

**Pedestrians please use other footpath/side of road**

**THANKS**

16. **Accident Reporting** – All accidents and incidents shall be reported immediately to EFL using approved forms available in the EFL Safety Plan Template, or equivalent.
17. **Project Updates** - Contractor shall meet with EFL Project Manager, Project Engineer and Project Supervisor on a weekly basis to discuss project progress and bottlenecks. These meetings shall be minuted for records, and circulated to the appropriate stakeholders.
18. **Tidiness** – The Contractor shall maintain the worksite in a neat and tidy condition.
19. **Transportation of material** – The Contractor shall transport all materials from Kinoya Stores to work site. Sand shall be available from EFL Kinoya Depot unless a site is available for sand offloading near to worksite.
20. **Security** - Contractor shall be responsible for the safekeeping of all materials at work site, and will be required to pay for damage and/or loss.
21. **Damage to property** – The Contractor shall ensure that there is no damage to roadways, footpaths, drains, water-courses, properties and other services. The Contractor shall make good to the satisfaction to the owner any damage caused by the contractor.
22. **Portable signboards** - Portable signboards must be placed at 50m intervals or as required by FRA.
23. **Traffic and Pedestrian Control** – The Contractor shall ensure that there is minimum disruption to the flow of traffic and pedestrian. EFL and FRA procedures on Traffic Control and Pedestrian Control shall be diligently exercised.
24. **Worksite protection** - Bollards/cone must be placed at 10m intervals.
25. **Barricades** - Open trenches and joint pits are to be barricaded on a full time basis by the Contractor.
26. **Jobsite Safety Assessment** - Contractor to carry out Jobsite Safety Assessment daily, and as and when required when working on EFL Projects, and submit these to EFL on a weekly basis.
27. **Credit of surplus material** – The contractor shall transport and credit all unused materials to Kinoya Stores.
28. **Defects Rectification** – The contractor shall rectify all defects within seven (7) days as per contract.
29. **Project completion** – The contractor shall complete work on time as per contract.
30. **Project progress** – If the Contractor fails to proceed with the works with reasonable diligence or suspends the works or refuses to comply with the reasonable direction from EFL by reason of which the works are materially affected and any such default continues for a period of seven (7) days after the issue of written notice, EFL may itself call any other person to complete the works at the Contractor's risk and expense.
31. **Safe Work Procedure Training** - Contractor must have completed Distribution Safe Work Procedure training.





## C. EFL REQUIREMENT

1. EFL Project Supervisor shall obtain Road/footpath opening permits.
2. EFL Project Engineer shall obtain clearance from Municipal Council, Telecom Fiji Ltd, Water Supply Department, and Sewerage Department.
3. EFL's HSE Unit shall vet Safety Plan submitted by Contractor and approve after queries clarified by Contractor.
4. EFL Project Engineer shall ensure that any EFL underground mains on the jobsite is clearly located, marked and identified to the Contractor.
5. EFL Project Engineer shall submit to the Project Manager all necessary approval documentation from Municipal Council, Telecom Fiji Ltd, Water Supply Department and Sewerage Department. Upon receipt of these approvals, and the approved Safety Plan, the Project Manager shall issue an "Instruction to Commence Work" to the Contractor.
6. EFL Project Supervisor and Project Engineer shall carry out regular site inspections to ensure compliance with HSE requirements, and submit Safety Visit Reports of the visit.
7. EFL Project Supervisor and Project Engineer shall issue Non-Conformance Report if required, and follow up for verification of implementation of Action Items arising out of the Non-Conformance Report.

## D. EFL HSE REQUIREMENTS

The following documents are to be submitted with the Tender:

1. **Contractor HSE Specification** – it contains 10 clauses which contains the overall HSE requirements and the contractor needs to agree to this.
2. **Contractor HSE Plan** (Document HSE41C04) – The contractor shall fill in each part of the Plan.
3. The Contractor will list down all the plants and equipment to be used in the **Plant & Equipment Register** as well as chemicals in the **Chemical register**.
4. The **JSA & Risk Assessment** form will require the contractor to identify hazards which may not have been adequately addressed in EFL's existing procedures and outline proposed controls.
5. The Contractor must provide a list of all **Tools, Equipment and Machinery** available with them that will be utilized for this project.

## E. PAYMENT SCHEDULE

Payment shall be made as per payment schedule:

Description	Percentage payment
Stage 1 Waila Treatment Road Junction	90% of LPO Value upon Completion of work
Stage 2 Navatuvula Village	90% of LPO Value upon Completion of work
Stage 3 First 132kV Crossing	90% of LPO Value upon Completion of work
Stage 4 Second 132kV Crossing	90% of LPO Value upon Completion of work
Retention	10% of the awarded stage to be released 6 months after completion of works pending zero defects.

## F. EVALUATION CRITERIA

Bidder has to scope for 100% mandatory compliance for consideration

Description	Requirements	Bidder's Response
Business Registration	Bidder to Submit	
Tax Compliance Certificate	Bidder to Submit	
FNPF Compliance Certificate	Bidder to Submit	
FNU Levy Certificate	Bidder to Submit	
Public liability Insurance Certificate	Bidder to Submit	





Contractors All Risk Insurance Certificate	Bidder to Submit	
Cable Jointer Certificate	Bidder to Submit	
Details of previous experience in underground cable laying works	Bidder to provide evidence in the bid	
Details of Machinery and Labour	Bidder to provide details in the bid	
Business OHS Policy	Bidder to Submit	
COVID-19 Business Response Policy	Bidder to Submit	

**TENDER SUBMISSION 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 \_\_\_\_\_

Full Company Business Name: \_\_\_\_\_

**(Attach copy of Registration Certificate)**

Director/Owner(s): \_\_\_\_\_

Postal Address: \_\_\_\_\_

Phone Contact: \_\_\_\_\_

Fax Number: \_\_\_\_\_

Email address: \_\_\_\_\_

Office Location: \_\_\_\_\_

TIN Number: \_\_\_\_\_

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

FNPF Employer Registration Number: \_\_\_\_\_

**(For Local Bidders only) (Mandatory)**

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

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

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

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 6<sup>th</sup> 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](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.**

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