

FIJI ELECTRICITY AUTHORITY



TENDER SPECIFICATIONS

TENDER

TENDER NO: MR 95/2017

**Installation of new fuel line and refurbishment of
access ladders at Korovou power station**

Scope of works Korovou Power Station

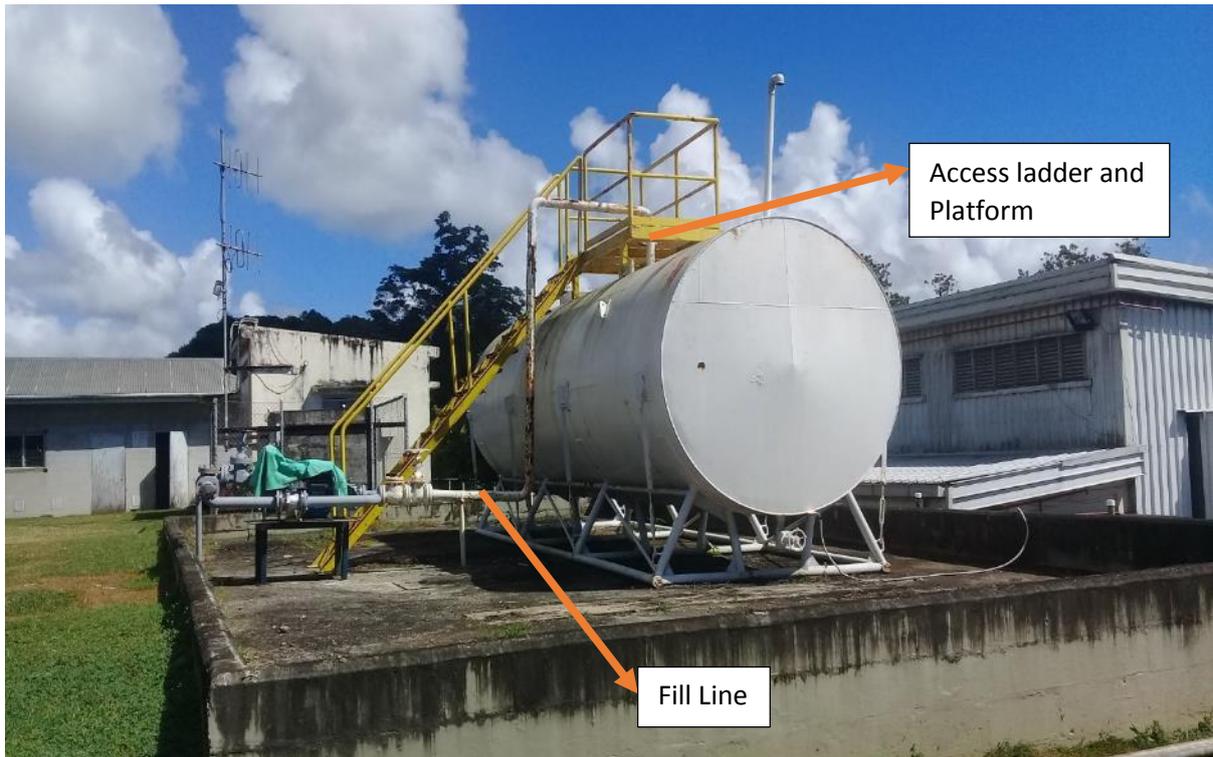


Fig 1. Fuel Storage tank

A. Tank Access Stairway, Platform and Fill Line

Work will be completed in two stages;

- Stage 1: Removal of the rusted fill line & installation of the new 3" fill line
- Stage 2: Removal of the rusted access ladders and platform, fabrication of the new steps for the fuel storage tank stairs and platform

Detailed Scope

1. Fill line
 - Removal of the 3" rusted fill line to the storage tank as shown in figure 1.
 - Closure the tank supply inlet of the tank by blanking to avoid any impurities to enter inside the fuel tank until the installation of the refurbished stairway and new pipeline.
 - Installation & testing of 3" new supply pipeline after stairway has been installed.
 - New valves and fittings to be used
 - Pipe stands to be mounted and anchored to the bund floor
 - New fill line to be painted
2. Tank Access Stairway and Platform
 - After removal of the rusted pipeline, remove the bolts and isolate the stairway and platform from the fuel tank.

- Grind off the rusted steps of the stairway and platform of gauze mesh wire as shown in figure 2 and figure 3 respectively. Fabricate a new one according to the frame size.
- Grind/sand off the pitting at various areas on the rails; remove the rusted pipes and replace with a new one if needed at deep pitting areas.
- After fabrication, structure to be painted
- Install the stairway and platform – Bolted securely at all fastening points

B. Installation of new Supply Line

The supply line is the fuel pipeline that carries fuel from the bulk storage tank to the generators inside the powerhouse. The existing supply line is old and needs replacement. Total length of existing fuel supply line is approximately 50 meters. New Supply line is to be 4 inch line, existing supply line is 2 inch.

Detailed Scope

1. Removal of old 2" Supply line
 - Isolate bulk storage tank from the supply line
 - Isolate generator buffer tanks from supply line
 - Remove old supply line
 - Remove all damaged pipe stands and supporting brackets
2. Installation of new 4" Supply line
 - 4" line to run continuously from bulk storage tank to power house
 - Line to be reduced to 2" when entering power house
 - Line filters/ Strainers to be installed, filters/strainers to have bypass in-case of failure or maintenance.
 - Provision for line extension to be given (in-case of installation of new generators in the future)
 - New valves and fittings to be installed
 - New pipe stands to be installed and new wall brackets as well
 - New line to be painted

Note:

- **All pipeline must be complaint to ANSI standards**
- **All materials and consumables must be self-supplied and materials not supplied must be clearly stated**
- **All scrap materials removed from the site to be transported to Kinoya Power Station**
- **Site visit is mandatory for these works, engineer onsite will clearly explain the work scope involved and desired pipeline design.**

Installation of new fuel line and refurbishment of access ladders at Korovou power station

Item	ITEM DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	1. Access stairway and Platform refurbishment 2. Installation of new fill line		
2	1. Installation of new fuel supply line		
3	Accommodations and Mobilization to site		
4	Transportation of equipment and materials to site		
	TOTAL (VEP)		
	VAT 9%		
	TOTAL (VIP)		

Notes:

1. All Sub-contractors to be used for any part of the works are to be declared.
2. FEA financial terms are applicable for these works.
3. Site inspection is mandatory.
4. Pipeline design will be specified by engineer conducting site visit
5. Contractor shall abide by all local and statutory laws and requirements, such as OHS etc.
6. The site shall be left in a neat and tidy condition after the completion of the works.
7. Contractor to provide timeline for project completion

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 FEA Head Office, 2 Marlow Street, Suva, Fiji.

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

This tender closes at. 17/05/2017

Site Visit: 03/05/2017, 10am at Korovou Power Station

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

Tender- MR 95/2017 – Installation of new fuel line and refurbishment of access ladders at Korovou power station

The Secretary, Tender Committee
Fiji Electricity Authority
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 of the envelope. (Bids via e-mail or fax will not be considered).

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