

FIJI ELECTRICITY AUTHORITY



TENDER SPECIFICATIONS

TENDER NO: MR 86/2016

**Design, Supply, Build and Commissioning of a 500
Kilolitres Water Storage Tank at the FEA's Kinoya Power
Station**



FIJI ELECTRICITY AUTHORITY

Design, Supply, Build and Commission a 500KL Water Storage Tank for the Kinoya Power Station Fire System

The Fiji Electricity Authority (FEA) is intending to build additional water storage at it's a new HFO Power Station at Kinoya. FEA is requesting for bids for the Design, Supply, Build and Commissioning of a 500KL Water Storage Tank at the Kinoya Power Station. Bidders to complete attached Price Schedule for the tender bids and provide a detailed work plan.

1.0 SCOPE OF SUPPLY

- I. Design and Build a 500,000L fire water tank. Fire water storage tank are required to comply with the relevant standards - AS2419, AS2304, NFPA 22, NZS4541. Bidder to specify tank compliance. Ensure tank meets the seismic and wind loading for the installation site. Foundation / Tank design by certified structural engineers.
- II. The Fire Water tank must come with all the compliant fire tank signage, level indicators, anti-vortex outlets and other relevant nozzles. Preference is for a Galvanized Mild Steel Tank with Liner complete with access platform ladder and overflow piping.
- III. Tank design details and drawings are to be provided with tender bid.
- IV. Details on Corrosion Protection for the storage tank to be provided with bid.
- V. Carry out all necessary Water connection piping works – 6” Inlet from Mains Supply, 8” Outlet Connection to the existing Fire System Pipes and return lines (FEA will specify termination point onsite), Installation of all necessary valves and fittings. All shut off valves, Auto-fill floater valves for tank filling and blanking flanges to be supplied with all associated accessories. Installation of compliant fire tank signage, level indicators, anti-vortex outlets and required nozzles.
- VI. Commissioning of the water tank. A hydro test report to be provided, full commissioning report and compliance certificate. Suitable Electrical Earthing lugs must be welded to the tank
- VII. Ensure provision is made for proper access to the tank
- VIII. All Sub-contractors to be used for any part of the works are to be declared. Previous works details must be provided (Date of works and reference contacts) including full company profiles.
- IX. The Fire Water Tank must be commissioned by the **16th of December, 2016**. A detailed work plan in the form of a Gantt chart to be provided with expected milestone dates indicated. A work plan is a **mandatory submission**. Tender bid will be considered non-compliant if the bidder does not provide a detailed work Plan.
- X. Warranty for the tank works must be clearly stated. The Water Tank must be complete with all required valves, fittings, piping, access ladder, platform and level indicator.
- XI. FEA financial terms are applicable for these works. Any advance payment will require a bank guarantee

2.0 PRICE SCHEDULE :

| Item | ITEM DESCRIPTION | UNIT PRICE | TOTAL PRICE |
|-------------|--|-------------------|--------------------|
| 1 | General Civil Works: Geotechnical and Site Surveys | | |
| 2 | Design and Construction of Concrete Foundation for the Water Tank | | |
| 3 | Design and Construction of the Water Storage Tank | | |
| 4 | All Piping Works, Valves, Auto Fill Valve, Fittings, Signage and level indicator | | |
| 5 | Commissioning of the Water Storage Tank | | |
| | TOTAL (VEP) | | |
| | VAT 9% | | |
| | TOTAL (VIP) | | |

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 4:00pm, on Thursday 25th August, 2016.

Site Visit: 10:00 a.m. on Tuesday 23rd August, 2016 at FEA's Kinoya Power Station.

Each tender shall be sealed in an envelope with:

The envelope bearing only the following marking:

Tender- MR 86/2016 – Design, Supply, Build and Commissioning of a 500 kilolitres Water Storage Tank at the FEA's Kinoya 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.**