



Fiji Electricity Authority

Request for Proposal

**Fiji Electricity Authority**

**Expression of Interest (EOI) 2-5MW Solar Farm Hybrid System**

**Request for Proposal**

**November 2015**



**Definitions:**

EOI: Expression of Interest

TOR Terms of reference for the works

Tenderer: The company or consortia that is providing a submission in response to this RFP document

FEA: Fiji Electricity Authority, 2 Marlow Street, Suva, Fiji

Works The project, assignment

IPP Independent Power Producers

PPA Power Purchase Agreement

## 1. Background

### The Fiji Electricity Authority (FEA)

The FEA is a wholly Government of Fiji owned statutory commercial Authority that was established under the Electricity Act of 1966. It is supervised by a Board of eight members comprising a Chairman, Deputy Chairman, the Chief Executive Officer of FEA, the Permanent Secretary of Public Utilities, the Permanent Secretary of Finance, and representatives of Business and Consumer Groups

FEA maintains power supply systems on the larger islands of Viti Levu, Vanua Levu and Ovalau, which account for some 90% of the country's population. Installed generation capacity in Viti Levu is approximately 291MW, comprising 135MW in Hydro, 146MW in diesel and Heavy Fuel Oil (HFO) and 10MW wind. In Vanua Levu the installed capacity is 19MW and in Ovalau the installed capacity is 3MW of diesel. Of the diesel capacity 77MW is on Viti Levu which has been supplementing the Monasavu hydro scheme for the Viti Levu Interconnected System (VLIS) which has now reached a maximum demand of 155MW. Transmission is provided by 140km of 132kV lines (connecting Wailoa Power Station to the East and West coasts) and about 266km of 33kV lines. Power distribution is by means of more than 8,000km of 11kV and 415/240V lines.

## 2. Project Overview

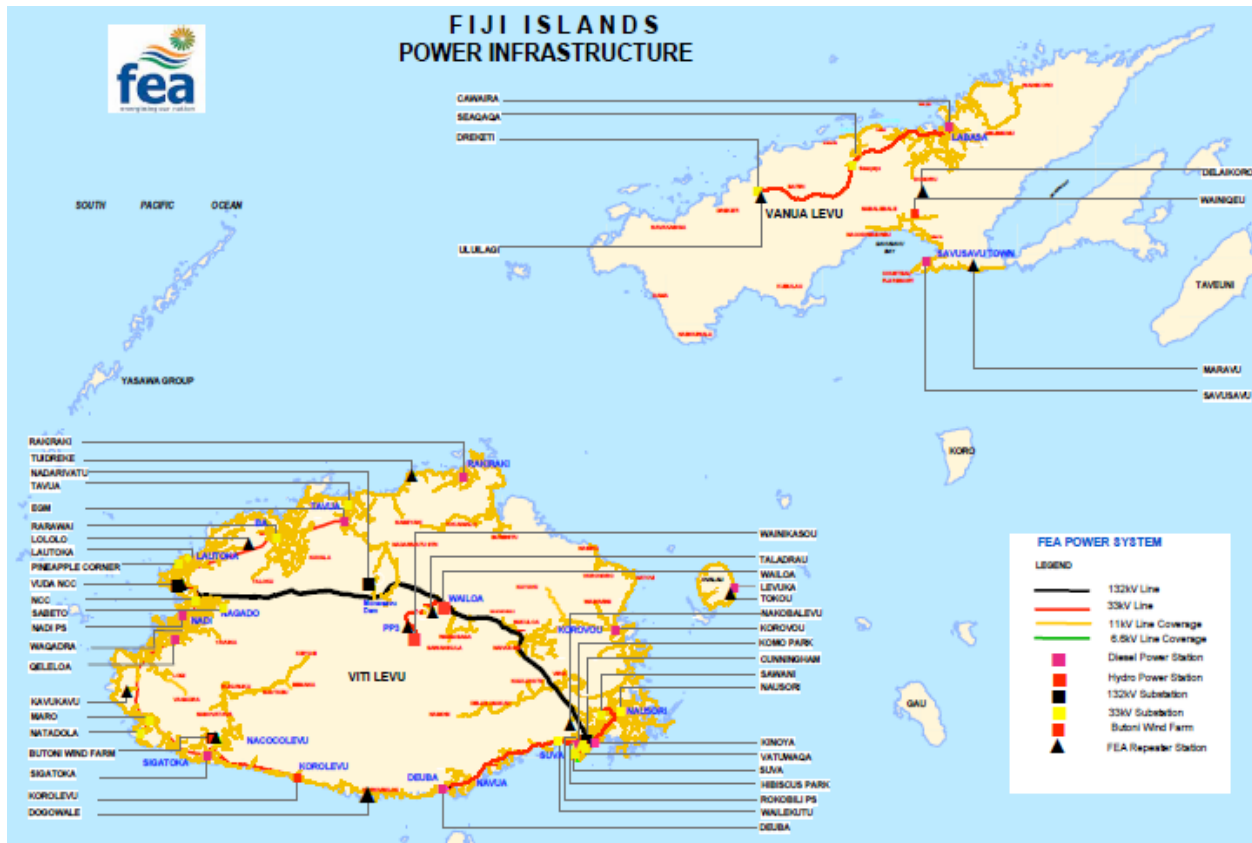
### Project Drivers

FEA has embarked upon an ambitious program of development in order to fulfil its strategic objectives. These include development of new generation and transmission projects as well as improving reliability and capacity-building for future load growth.

The FEA have also been in discussions with a number of Independent Power Producers (IPPs) over the years for the construction/setup of renewable energy generation plants. Many of these proposals happen to be biomass and solar powered generation.

Due to the high number of IPPs proposing to install solar farms, the FEA has now decided to call for Expressions of Interest (EOI) for solar hybrid generation plants at specific locations/sites connecting to the FEA grid. For system stability the FEA grid is only able to accommodate 2-5MW of solar hybrid generation. The FEA prefers that the IPP set up a Hybrid Power System that include Solar and any other Renewable energy source to ensure continuous generation throughout the year (24/7). The solar and diesel combination is not preferred.

The Fiji Map below shows the total infrastructure of FEA in Viti Levu, Vanua Levu and Ovalau.



Objective of the EOI

1. The EOI report shall include a preliminary technical description of the proposal and include, but not limited to, discussions on the following:
  - a. Description of the proposal
  - b. The Hybrid combination
  - c. Location of the proposal
  - d. Plant Capacity(MW)
  - e. Deemed Quantity per year (MWh)
  - f. Operating Regime (Hours per Day)
  - g. Power evacuation
  - h. Energy and economics.
  - i. Discussion on tariff.
2. Any request for additional information, site visit or investigations shall be made well in advance so that submission deadlines are met.
3. In addition to the above information the FEA IPP Checklist must be filled and completed as below

Item N	DESCRIPTION	Yes/No	SIGNATURE	COMMENTS
1	Sign the Non-Disclosure Agreement			
2	Is the proposal a proven technology and has been operating for many years			
3	Has the IPP been operating the proven technology for many years			
4	Where is this proven technology operating			
5	Does the IPP has the technical capability to operate and maintain the power plant			
6	Provide evidence of financial capability			
7	A certificate of registration from Investment Fiji for Overseas Investors			
8	Provide refundable deposit of FJ\$50,000 at the signing of the PPA and will be refunded at the Commercial Operation			

	date.			
9	Names of Overseas Directors			
10	Names of Local Directors			
11	Tax Identification Number of the IPP (TIN)			
12	Memorandum and articles of Association			
13	Copy of last annual return of the company			
14	Banker's reference on each shareholder			
15	Copy of financial statements			
16	A brief description should also be provided of the type of project envisaged where the project will involve a source of fuel, the description is to include type of fuel and how this is to be sourced			

### 3. Evaluation Methodology

RFP submissions will be checked for completeness. Firms that fail to submit all information required above or do not meet the specifications and requirements of FEA will not be considered.

### 4. Additional Information to tenderers

#### ***FEA Project Manager***

The FEA Project Manager for this Assignment shall be

*Mr Eparama Tawake  
General Manager Generation  
Head Office, Suva*

### ***Closing Date***

Submissions close at **4.00pm (Fiji) Time on 23<sup>rd</sup> December 2015** at FEA's Hear Office in Suva. Submissions are to be received at this location in an envelope prior to the specified time and marked:

*EOI 03/2015  
RFP for 2-5MW Solar Farm  
Secretary Tender Committee  
Fiji Electricity Authority  
2 Marlow Street  
Suva, Fiji*

- Facsimile submissions will not be accepted.
- Late submissions will not be accepted
- All submissions shall be in the English language.
- All proposals shall be in a single bound hard copies (one original & one copy) with one soft copy on CD
- Bidders must write their Company name and address on the back of the envelope.

### ***Costs***

All costs of preparing the submission shall be borne by the bidders.

### ***Enquiries***

All enquiries shall be directed to:

*Tuvitu Delairewa  
General Manager Commercial  
2 Marlow Street, Suva  
Phone: + 679 331 1133  
Facsimile:+ 679 331 1882  
Email: [TDelairewa@fea.com.fj](mailto:TDelairewa@fea.com.fj)*

## **EOI Submission - Instruction to bidders**

It is mandatory for Bidders to upload a copy of their EOI Proposal in the **TENDER LINK** Electronic Tender Box no later than **4:00pm, on Wednesday 23<sup>rd</sup> December, 2015**.

To register your interest and tender a response, view 'Current Tenders' at:  
**<https://www.tenderlink.com/fea>**

For further information contact The Secretary Tender Committee, by e-mail  
**[TDelairewa@fea.com.fj](mailto:TDelairewa@fea.com.fj)**

In additional, hard copies of the EOI, one original and one copy must be deposited in the tender box located at the FEA Head Office, 2 Marlow Street, Suva, Fiji no later than **4:00pm, on Wednesday 23<sup>rd</sup> December, 2015**- Addressed as

**Tender – EOI 03/2015 – Expression of Interest (EOI 03/2015) 2-5MW Solar Farm Hybrid System**

**The Secretary Tender Committee  
Fiji Electricity Authority  
Head Office  
Suva  
Fiji**

- **Hard copies of the EOI Proposal will also be accepted after the closing date and time provided a soft copy is uploaded in the e-Tender Box and it is dispatched before the closing date and time.**
- **EOIs submitted after 4:00pm on the closing date of Wednesday 23<sup>rd</sup> December, 2015 will not be considered.**
- **It is the responsibility of the bidder to pay courier chargers and all other cost associated with the delivery of the hard copy of the Tender submission.**