



**Supply and Installation of IP CCTV  
Surveillance System for EFL Power Stations**

**Tender Number: MR 334/2018**

Energy Fiji Limited (**EFL**) is a statutory body vested with the responsibility for the provision of electricity supply throughout the Fiji Islands.

Energy Fiji Limited hereby seeks a suitably experienced firm with capacity to undertake the design, engineering, installation, integration, testing, commissioning and documentation of work required to implement an IP CCTV security system for EFL Power Stations. It shall be the responsibility of the Contractor to design a package containing all elements necessary for a complete, operational and functionally IP CCTV system, and to build the design into a full functional system. It shall also be the responsibility of the Contractor to provide the demonstration, procure and installation of the complete IP CCTV system.

## **A. SPECIFICATIONS**

### **1. PRELIMINARY AND GENERAL**

The Contractor shall furnish all labor, equipment, transportation, and services as necessary to complete all refurbishment work included in the specifications.

### **2. SITE LOCATION**

Various Power Stations

### **3. ENERGY FIJI LIMITED**

The contractor shall at all times comply with all Energy Fiji Limited's HSE Regulations currently in force.

### **4. BUILDING CONDITIONS**

The contractor is advised to visit and assess the site and existing premises prior to tendering, as no claim will be allowed on the grounds of ignorance of the conditions existing.

### **5. WORK PLAN**

The contractor shall prepare a Work Programme, Work Safety Plan/Risk Assessment Plan in accordance and shall submit the plan to the EFL Project Officer for his approval before commencing with work on the site.

## **B. OTHER RELEVANT INFORMATIONS**

### **1. SITE SAFETY MANAGEMENT SYSTEM**

**The contractor shall at all times comply with all Energy Fiji Limited's HSE Regulations currently in force. The contractor is to obtain all approvals from Ministry of Labour for any scaffolding to be used on the site. All PPE's and other safety equipment's will be checked by EFL's Health and Safety Department (HSE) to confirm if they are in compliance with the relevant current safety standards. No work shall commence prior to approvals given from EFL's HSE Department.**

## **2. ENVIRONMENTAL CONTROL**

Comply with all environmental protection provisions in the Contract and the requirements of any statute, by-law, standard and the like related to environmental protection.

## **3. PROTECTION OF PEOPLE AND PROPERTY**

The contractor shall keep all persons (workers) under control and within the boundaries of the site. He will be held responsible for the care of the existing premises and works generally until completion.

## **4. DURATION OF WORK**

The expected duration for the completion of work shall be six (6) weeks.

## **5. STORAGE ON SITE**

Store materials and equipment on site to prevent damage to site and minimize hazards to persons, materials and equipment. Keep storage area neat and tidy.

Take proper precautions to keep poisonous and other injurious substance in place secured against access by unauthorized persons.

## **6. DAILY DIARY REPORTS**

Progress reports shall be submitted daily on the forms provided by the Property Officer.

## **7. CARE OF THE WORKS, ETC**

The contractor shall keep all persons under control and within the boundaries of the site. He will be held responsible for the care of the existing premises and works generally until completion.

## **8. CLEARING AWAY**

The contractor shall take down and clear away all plant and temporary work and make good. The contractor shall remove all existing rubbish and debris and surplus materials from the site as they accumulate and at completion; and clean all surfaces, including those of the affected portions of the existing premises, internally and externally, and leave the works clean and to the satisfaction of the Property Officer at completion.

## 9. EFL CONTACT PERSON

The EFL's contact person for the project will be the Property Officer and the ICT Engineer's.

## 10. TOBACCO /ALCOHOL/DRUG FREE ENVIROMENT

EFL maintains tobacco, alcohol, drug free environment. Any personnel of the contractor found violating the policy will be requested to remove the product and themselves from the sites. Offensive language or actions are not acceptable. The EFL shall have the absolute right to require replacement of any employee the EFL deems objectionable to work on EFL premises.

## 11. INSURANCE REQUIREMENTS

The Contractor shall be solely responsible for all respective insurance cover of person, tools, equipment involved in carrying out the Works.

The Contractor must obtain and maintain respective insurance cover at all relevant times sufficient to cover any loss or costs that may be incurred and for which the Contractor is liable in connection with the contractual works, including:

Contractors All Risk	\$500,000.00
Public Liability	\$500,000.00
Workmen's Compensation	\$250,000.00

## 12. SITE VISIT

a) All interested bidders must attend a **compulsory** site visit as follows:

	Location	Date	Time	Contact Person
	<b>Central</b>			
1	Levuka Power Station	12/09/2018	11:00am	ICT Technicians – 999 2409
2	Rokobili Power Station	06/09/2018	09:00am	ICT Technicians – 999 2409
3	Korovou Power Station	10/09/2018	09:00am	ICT Technicians – 999 2409
4	Debua Power Station	06/09/2018	01:00pm	ICT Technicians – 999 2409
5	Wailoa Power Station	11/09/2018	10:00am	ICT Technicians – 999 2409
	<b>Western</b>			
6	Qaleloa Power Station	14/09/2018	09:00am	ICT Technicians – 999 2409
7	Rakiraki Power Station	10/09/2018	01:00pm	ICT Technicians – 999 2409
8	Nadi Power Station	14/09/2018	02:00pm	ICT Technicians – 999 2409
9	Sigatoka Power Station	15/09/2018	02:00pm	ICT Technicians – 999 2409
10	Nagado Power House	15/09/2018	09:00am	ICT Technicians – 999 2409

11	Wainikasau Power House	12/09/2018	11:00am	ICT Technicians – 999 2409
12	Wainisavulevu Intake House	12/09/2018	02:00pm	ICT Technicians – 999 2409
13	Nadarivatu Power House	13/09/2018	10:00am	ICT Technicians – 999 2409
14	Nadarivatu Penstock House	13/09/2018	12:30pm	ICT Technicians – 999 2409
15	Nadarivatu Switchyard	13/09/2018	03:00pm	ICT Technicians – 999 2409
16	Monasavu Intake House	11/09/2019	02:00pm	ICT Technicians – 999 2409
	<b>Northern</b>			
17	Wainiqeu Power Station	04/09/2018	01:00pm	ICT Technicians – 999 2409
18	Savusavu Power Station	04/09/2018	10:00am	ICT Technicians – 999 2409
19	Somosomo Power Station	05/09/2018	10:00am	ICT Technicians – 999 2409
20	Waiyevo Power Station	05/09/2018	01:00pm	ICT Technicians – 999 2409

- b) All tenderers shall inspect and examine the site, its surroundings, and shall satisfy him or herself before submitting his tender, as to the nature of the work and necessity for the carrying out the contract work.

### **13. COMPLUSORY BRIEFING**

All bidders are required to attend a **compulsory** briefing session at EFL Head Office, Suva Training Room on the 3<sup>rd</sup> of September, 2018 at 2.30pm.

### **14. TRANSPORTATION & ACCOMODATION**

All bidders are required to make their own travel and accommodation (where necessary) arrangements. EFL will not bear any costs associated with the site visit.

### **15. TECHNICAL SPECIFICATIONS**

These specifications describe the requirements for goods. Tenderers are requested to submit with their offers the detailed specifications, drawings, catalogues, etc for the products they intend to supply.

Tenderers must indicate on the specifications sheets whether the equipment offered comply with each specified requirement.

All the dimensions and capacities of the equipment to be supplied shall not be less than those required in these specifications. Deviations from the basic requirements, if any shall be explained in detail in writing with the offer, with supporting data such as calculation sheets, etc. The procuring entity reserves the right to reject the products, if such deviations shall be found critical to the use and operation of the products.

The tenderers are requested to present information along with their offers as follows: (i) Shortest possible delivery period of each product (ii) Information on proper representative and/or workshop for back-up service/repair and maintenance including their names and addresses.

**16. SCOPE OF WORK**

- Supply, installation, testing and commissioning high quality fast-acting IP CCTV surveillance system along with power supply, power distribution and required accessories in the different EFL Power Stations.
- The entire system shall be as per the technical specifications enclosed with tender documents.
- The price quoted by the vendor should include all the expenses incurred in commissioning of all cameras with power supply, accessories and other devices complete with software.
- Video management software shall offer both video stream management and video stream storage management. Recording frame rate and resolution in respect of individual channel shall be programmable.
- Provide an independent network that can be integrated to the purchasers network without degrading the perfosupervisory specialists and technicians at the job to assist in all phases of system installation, start up and commissioning.
- Cat 6cable/fiber cable connectivity with all required hardware upto purchaser’s networking switches of LAN, locations of networking switches.
- 240 volts AC Power supply distribution from UPS to each location (where applicable) of cameras along with DBs, JBs, cabling work etc. with required accessories.
- Power supply unit as required for cameras.
- Integrated testing and commissioning of CCTV system on LAN.
- Training & handing over of all materials, equipment and appliances.
- Any other items/accessories required for installation, testing and commissioning of CCTV system.
- No extra cost shall be paid for miscellaneous items if required to complete the work as per the design concept.

**17. OTHER SPECIFICATIONS**

1. All cameras to be up to 10MP.
2. Storage should be up to 4TB or 10 days minimum.

**Some of the basic features of the required CCTV cameras.**

<b>Camera Type</b>	<b>Features</b>
<b>LONG REACH Camera</b>	<ul style="list-style-type: none"> <li>• High definition cameras</li> <li>• High Power IR Illumination</li> </ul>

	<ul style="list-style-type: none"> <li>• High Quality Day/Night Vision</li> <li>• Heavy Housing with Heater Control and Fan Control.</li> <li>• Water Proof</li> <li>• 100 – 120m Range</li> </ul>
<b>Auto Dome Series Camera ( Auto Tracker)</b>	<ul style="list-style-type: none"> <li>• High definition cameras</li> <li>• High Power IR Illumination</li> <li>• High Quality Day/Night Vision</li> <li>• Heavy Housing with Heater Control and Fan Control.</li> <li>• Water Proof</li> <li>• 100 – 160m Range (Horizontal and Vertical Coverage)</li> <li>• Inbuilt motion detector an Auto Track</li> </ul>
<b>Auto Dome PTZ Camera</b>	<ul style="list-style-type: none"> <li>• High definition cameras</li> <li>• High Power IR Illumination</li> <li>• High Quality Day/Night Vision</li> <li>• Heavy Housing with Heater Control and Fan Control.</li> <li>• Water Proof</li> <li>• 80 – 160m Range (Horizontal and Vertical Coverage)</li> <li>• Inbuilt motion detector an Auto Track</li> </ul>

## 18.NOTE

The various type of cameras, quantity, cables and linking system shall be determined at the individual Power Station sites during the actual site visit. All details shall be discussed and confirmed by the ICT Technicians on site. Price must be provided for the product that has been confirmed to be used at each of the locations. All costs to be provided in the pricing schedule template.

## 19. PRICING SCHEDULE

	<b>Location</b>	<b>Full Product Description</b>	<b>Cost for Supply and Installation of the IP CCTV Cameras – (VIP)</b>
1	Levuka Power Station		
2	Rokobili Power Station		
3	Korovou Power Station		
4	Debua Power Station		
5	Wailoa Power Station		
6	Qaleloa Power Station		
7	Rakiraki Power Station		
8	Nadi Power Station		

9	Sigatoka Power Station		
10	Nadago Power House		
11	Wainikasau Power House		
12	Wainisavulevu Intake House		
13	Nadarivatu Power House		
14	Nadarivatu Penstock House		
15	Nadarivatu Switchyard		
16	Monasavu Intake House		
17	Wainiqeu Power Station		
18	Savusavu Power Station		
19	Somosomo Power Station		
20	Waiyevo Power Station		



**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 \_\_\_\_\_

1. Full Company / Business 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 (Mandatory))**

9. FNPF Employer Registration Number: \_\_\_\_\_ **(For Local Bidders only) ( Mandatory)**

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

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

12. Contact Person: \_\_\_\_\_

I declare that all the above information is correct.

Name: \_\_\_\_\_

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

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

Date:

## **Submission of Tenders**

**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 19<sup>th</sup> September, 2018.**

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

**MR 334/2018**

**Supply & Installation of IP CCTV Surveillance System for EFL Power Stations**

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**