REQUEST FOR PROPOSAL (RFP)

Supply of Video Surveillance IP Cameras and Cloud Monitoring Solution
MR 63/2019

1. Purpose and Description of Project

Energy Fiji Limited (EFL) is seeking proposals for the supply of a Video Surveillance IP Cameras & Monitoring Solution.

The solution must comply with Technical Requirements and specification outlined in section 4. Bids from interested parties must include the following information;

1. A brief description and history of the company.
2. Proven ability to supply according to the specifications and schedule
3. A list of existing customers, preferably in Fiji, including references whom we may contact.

2. Eligibility Criteria/Pre-qualification of the Bidder

The supplier should be an authorized distributor or reseller and service provider for the above-mentioned solution.

3. Evaluation criteria of the qualified Bidders:

Description	Weight
1. Compliance to Requirements Checklist	35 %
2. Proven ability of vendor to supply the requirements	15 %
3. Experience in providing post-installation support to a pre-arranged degree of Satisfaction Level/s.	10 %
4. Cost	40 %

4. Solution Requirements

EFL will require the following with the specifications outlined in the General & Technical Requirements.

Bids must provide a full Bill of Materials with itemized costs.

All proposals must comply with the requirements set out below. The bidder is also encouraged to propose as an option, a solution they consider better and that would satisfy EFL's requirements.

a. General Requirements

Description	Comments
Indoor Cameras with local storage	26 units required
Outdoor Cameras with local storage	26 units required
Powered over Ethernet (PoE)	
Additional 90 day video archive storage	
Easily export video for reviewing	
Any associated operational & support licenses	

Interface with Sound Alarms & Security Lights	To be triggered when an intruder crosses a video wall or perimeter.
Optional	
Additional equipment to provide connectivity	Specific remote areas will require LTE/3G cellular connectivity.

Camera Hardware features
256 GB high write endurance solid-state storage
1080p high definition video recording with H.264 encoding
3-9 mm varifocal lens
802.11ac wireless
Microphone for audio recording
IR illumination up to 30m

Standard wall mounting kit

Monitoring Solution Advanced analytics
Person detection powered by machine learning technology
No servers or software required
Compatible with MV Sense licenses
Granular access controls
Control who can view live and historical footage
Limit access to video exporting
Grant access to individual cameras or by device tags

Cloud management
Network-wide visibility and control
Stream local or remote — the cloud automatically routes the video feed
Create and organize video walls
Export video clips to a shareable link or for download

b. Technical Requirements

The proposal must include in detail, all necessary technical requirements needed to operate the solution. Please include full specifications including diagrams where applicable.

- **Camera**
  - 1/3" 4MP (2688×1520) progressive CMOS image sensor
  - 256GB high endurance solid state storage
  - 3-9mm focal length
  - f/1.2-2.3 aperture
  - Field of view:
    - Horizontal 36° - 112°
    - Vertical 20° - 57°
    - Diagonal 42° - 138°
  - Lens adjustment range:
    - Tilt 65°
    - Rotation +/- 90°
    - Pan 354°
  - 1/30s to 1/32,000s shutter speed
  - Minimum illumination 0.18 Lux (standard recording) and 0.01 Lux (night mode)
  - Built-in IR illuminators, effective up to 30m (98ft)
- **Video**
  - 1080p HD video recording (1920×1080) with H.264 encoding, up to 20fps
  - Cloud augmented edge storage (locally stored video with metadata in the cloud)
  - Optimized retention settings (scheduling and motion-based) for variable retention
  - Up to 40 days of 24/7 continuous video storage per camera*
  - Direct live streaming with no client software (native browser playback)**
  - Stream video anywhere with automatic cloud proxy
  - High dynamic range (HDR)
- **Data Security**
  - Full disk encryption (AES 256-bit)
  - Automatically purchased and provisioned TLS certificates (publicly-signed)
  - Management encryption and two-factor authentication
- **Networking**
  - 1× 10/100/1000 Base-T Ethernet (RJ45)
  - Dual band WLAN with antenna diversity supporting 2.4GHz and 5GHz
  - 802.11 a/b/g/n/ac
  - DSCP traffic marking
- **Power**
  - Power consumption: 12.95W maximum via 802.3af PoE
- **Features**
  - Cloud managed with complete integration into the dashboard
  - Plug and play deployment with self-configuration
  - Dynamic day-to-night transition with IR illumination
  - Noise optimized motion indexing engine with historical search
  - Shared video wall with individual layouts supporting multiple cameras
  - Selective export capability with cloud proxy (with watermarked timestamps)

  - Highly granular view, review, and export user permissions with SAML integration
  - Motion heat maps for relative hourly or day-by-day motion overview
  - Motion alerts
- **Wireless**
  - 2.4 GHz 802.11b/g/n radio
  - 5 GHz 802.11a/n/ac radio
  - Supported frequency bands (country-specific restrictions apply):
    - 2.412 - 2.484 GHz
    - 5.150 - 5.250 GHz (UNII-1)
    - 5.250 - 5.350 GHz (UNII-2)
    - 5.470 - 5.600, 5.660 - 5.725 GHz (UNII-2e)
    - 5.725 - 5.825 GHz (UNII-3)
- **802.11ac and 802.11n Capabilities**
  - 1×1 with one spatial stream
  - MU-MIMO support
    - 20 and 40 MHz channels (802.11n)
    - 20, 40, and 80 MHz channels (802.11ac)
  - Up to 256 QAM on both 2.4 GHz and 5 GHz bands
- **Antenna**
  - Integrated omni-directional antennas (4.4 dBi gain at 2.4 GHz, 6.3 dBi gain at 5 GHz)
- **Security**
  - WPA, WPA2-PSK, WPA2-Enterprise with 802.1X
  - EAP-TTLS
  - TKIP and AES encryption
- **Environment**
  - Temperature: 0°C - 45°C (32°F - 113°F)
- **In the Box**
  - Quick start & installation guide
  - MV camera hardware
  - Wall mounting kit
  - Junction box adapter plate
- **Physical Characteristics**
  - Dimensions: 149mm × 97mm (diameter x height)
  - Varifocal lens (up to 3× optical zoom)
  - Weight without mounting plate: 706g
  - Weight with mounting plate: 842g
  - Female RJ45 Ethernet connector
  - Multicolour, multifunction status LED
  - Reset button
- **Ratings**
  - IK08 vandal-resistance
- **Warranty**
  - 3 year hardware warranty with advanced replacement

5. Product Support

Please include full details of the ongoing support and maintenance for the solution proposed.

i) Service Levels and Definitions
ii) Support Services
iii) Firmware or solution Upgrades

6. Delivery

The selected supplier shall deliver all required hardware, software and solutions to the EFL Head Office, located at 2 Marlow Street, Suva. Please specify the solution delivery period in the bid.

7. Bidder Submittals

Please indicate on your submittal if you meet all the requirements and guidelines specified in this document. Your submittals should include the following as a minimum:

Proposal for Supplies Products and/or Services
Business Certifications

The Proposal for Supplies or Services must clearly itemize all costs.

8. Submission of Tenders

Tenders must be lodged no later than 4:00pm, on Wednesday 20th March 2019.

9. Amendment of RFP

The EFL may, at its sole and absolute discretion, vary, add to, or amend the terms of this RFP, including the nature and/or scope of the products and/or services required under this RFP and any other subject matter to which this RFP relates.

10. Cancellation/Termination of RFP

The EFL may, at its sole and absolute discretion, cancel, suspend, terminate or abandon part or the whole of this RFP, at any time prior to the execution of a formal written agreement without any liability.

11. Due date for Tenders

Tenders received after the closing date of Wednesday 20th March, 2019 will not be considered.

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Schedule A - Bidder Details

The Bidder shall provide all the necessary information specified in the tables below:

General			
The registered name of the Bidder:			
Business address for correspondence: *(Location, Street , Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)*			
Contact name of the Authorized Person:			
Contact's position: ***Contact addresses if different from above*** *Locality City, Pin Code* *Location, Street, Country, Telephone, Facsimile, Email, Web address*			
Business structure:			
Financial standing (Information designed to give client confidence in the financial competence of the BIDDER.) Audited financial accounts for past three years shall be included in appendix.			
Total current employees :			
Sales Turnover	**2016**	**2017**	**2018**
Net profit before tax	**2016**	**2017**	**2018**

Company Profile(s)			
Reference Sites (Use separate schedule formats for this response) [Details of at least two similar Projects in the last 5 years (including contact details) which will demonstrate the Bidder ability to carry out the functions for this project in a timely and professional manner.]			
Designated Staff	**Name**	**Position**	**Project Designation**

Schedule B - Customer Details of the Bidder

Details to be submitted by the Bidders about their experience with successful customers/sites/organizations:

Experience of similar implementation
Project Name:
Project Location:
Client Name:
Client address:
Client contact/reference person(s): *Name* *Address – if different from above* *Telephone* *Facsimile*
Mobile Phone
Email address
Man-months effort:
Name of senior project staff: *Project Director* *Project Manager* *Other*
Nature of the Project:
Role of the company, whether complete end-to-end involvement or for a particular module:

TENDER SUBMISSION CHECK LIST

The Bidders must ensure that the details and documentation mention below must submitted as part of their tender Bid

Tender Number _____

Tender Name _____

1. Full Company 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)

9. Company Registration Number: _____

   (Attach copy of the Business License)

10. FNPF Employer Registration Number: _____

    (For Local Bidders only)

11. Contact Person: _____

I declare that all the above information is correct.

Name: _____

Position: _____

Sign: _____ Date: _____

Tender Submission - Instruction to bidders

It is mandatory for Bidders to upload a copy of their bid in the TENDER LINK Electronic Tender Box no later than **1600hrs, Wednesday, 13th March, 2019**.

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

For further information contact The Secretary Tender Committee, by e-mail
TDelairewa@efl.com.fj

In additional, hard copies of the tender, one original and one copy must be deposited in the tender box located at the EFL Head Office, 2 Marlow Street, Suva, Fiji no later than new time and date to be inserted - Addressed as

Tender – MR 63/2019 – Supply of Video Surveillance IP Cameras & Cloud Monitoring Solution

The Secretary Tender Committee
Energy Fiji Limited
Head Office
Suva
Fiji

Hard copies of the Tender bid will 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.

Tenders received after **closing time 1600hrs, Wednesday 13th March, 2019.**

- Will not be considered.
- Lowest bid will not necessarily be accepted as successful bid.

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.