



# **ENERGY FIJI LIMITED**

## **Tender Document**

### **Supply of 3 Units of Thermal Imaging Camera**

**Tender #: MR 52/2020**

**Tender Closing date: 1600hrs, Wednesday, 26<sup>th</sup> February, 2020**



## **Invitation to Bid MR 52/2020**

### **SUPPLY TEST EQUIPMENT – 3 UNITS OF THERMAL IMAGING CAMERA FOR ENERGY FIJI LIMITED**

Energy Fiji Limited (“EFL”) invites Bids from eligible, qualified and reputable companies for the Supply of Thermal Imaging cameras.

Interested bidders, please address your queries or questions in writing at the address given below

Mr. Abdul Nasim,  
Unit Leader Strategic Procurement, Inventories and Properties  
Supply Chain Office,  
2 Marlow Street, Private Mail Bag,  
Suva  
or email: [AbdulN@efl.com.fj](mailto:AbdulN@efl.com.fj)

## **SECTION I - INSTRUCTIONS TO BIDDERS**

*Notes to Bidders: This section provides detailed information necessary for Bidders to prepare their Bids, in accordance with the requirements specified by the EFL. It also provides information on Bid submission, opening, and evaluation, and on the award of contract*

### **1. Scope**

1.1 The entity of EFL specified above invites Bids for the Supply of Thermal Imaging cameras as described in the Bidding Document.

### **2. Eligibility Of Bidders**

2.1 This bidding is open to all eligible companies

2.2 EFL in its sole unfettered discretion, disqualify or otherwise determine ineligible any potential Bidder that the EFL believes is, has been or will be, whether directly or indirectly, engaged in criminal or any other unethical behavior, financially unsound, or otherwise unfit in the EFL's opinion to participate in the bidding exercise.

2.3 In its Bid, the Bidder shall indicate the origin of Good proposed.

2.3 A Bidder shall not be eligible to participate in this bidding or in the performance of the contract under consideration if such Bidder:

- Is bankrupt or being wound up, is having its affair administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning those matters or is in any analogous situation arising from a similar procedure provided in national legislation or regulations.
- Has been subject of a judgment which has the force of judicator for fraud, corruption, involvement in a criminal organization or any other illegal activity detrimental to the financial interests of EFL.



- Is guilty of misrepresentation in supplying the information required as a condition of participation in this bidding exercise or fail to supply this information.
- Is subject to a conflict of interest.

### **3. Bid Prices**

- 3.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total Bid Price of the offered goods.
- 3.2 The Bidder's separation of price components will be solely for the purpose of facilitating the comparison of Bids by EFL and will not in any way limit the EFL's right to contract on any of the terms offered.
- 3.3 All non-exempt duties, taxes and other levies payable by the Contractor under the Contract/Purchase Order, or for any other cause shall be included in the rates, prices and total Bid price submitted by the Bidder.

### **4. Bid Currency**

- 4.1 Unless otherwise specified in Section II, the unit rates and Prices shall be quoted by the Bidders Country of Origin.

### **5. Period Of Validity Of Goods**

- 5.1 Unless otherwise specified in Section II, bids shall remain valid for a period of 90 days after the deadline for the receipt of Bids. A Bid valid for a shorter period shall be rejected by EFL as non-responsive.
- 5.2 In exceptional circumstances, EFL shall may solicit the Bidders' consent to an extension of the period of validity. The request and the responses thereto shall be made in writing.

## SECTION II – TENDER SPECIFICATIONS

### 1. Thermal Imaging Camera

<b>Thermal Imaging Camera</b>		
<b>Technical Specifications</b>	<b>Requirement</b>	<b>Bidders Remarks</b>
1. Spatial Resolution	0.8mRad or better	
2. Image resolution (pixel)	Not less than 640 x 480	
3. Frame rate	30Hz or more	
4. Field of view	Minimum - 25°x 19°	
5. Thermal sensitivity	≤ 0.03°C at 30°C	
6. Spectral range	7µm to 15µm	
7. Temperature range	-40°C to 2000°C	
8. Focus	Manual, auto and continuous	
9. Accuracy	± 2°C or ±2% of reading or better	
10. Image video storage	SD card (1GB minimum)	
11. Interface for image data transfer	SD Card/USB/RS232	
12. Display screen	≥ 4.3' with capacitive touch screen and suitable for daylight operation	
13. Digital Zoom capability	≥ 8x	
14. File format	JPEG/BMP/PNG or relevant	
15. Operating/storing temperature	-25°C to 55°C	
16. Humidity	10% to 95%, non-condensing	
17. Minimum focus distance	≥ 0.25m	
18. Laser pointer	Yes, laser class 2	
19. Shock	Operational: 25G, IEC 68-2-29 compliant	
20. Vibration	Operational: 2G, IEC 68-2-6 compliant	
21. Protection class	IP54	
22. Ergonomics	Camcorder type with either rotation display or rotating camera	
23. Weight	≤1.5kg	
24. Battery charger input voltage	240VAC at 50Hz	
25. Battery life	≥2.5hours	
26. Usage environment	Indoor and outdoor	

27. Picture/video format	Bidder to specify	
28. Measurement functions	Multiple measurement spots and regions of interest, hot/cold spot detection, isotherms, profiles, differences	
29. Instrument casing	Should be housed in a rugged, transportable carrying case. IP rating of case should prevent moisture and dust ingress	
30. Certification	Calibration certificate traceable to international standards.	
31. Accessories	All optional accessories to be quoted.	
32. Additional required features	Auto orientation	
33.	Overlay thermal image onto visible photos	
34.	Add text notes and sketch on stored images	

Category of Evaluation Criteria	% Weighting
<b>Supplier should also provide:</b>	
1. Calibration Certificate of instrument along with the traceability	10%
2. Instruction Manual, demo videos and software's	10%
3. Standard International Two (2) Guarantee /Warranty certificate	5%
4. Service center information	5%
5. Supplier should provide calibration facility	5%
6. Quoted price should be validity of 3 months	5%
7. Supplier to provide following information along with technical data in their technical bid <ul style="list-style-type: none"> <li>• Physical dimensions of the instrument.</li> <li>• Weight of the instrument.</li> <li>• List of the customers to whom they have supplied the quoted model.</li> </ul>	5%
8. Instrument should be housed in a rugged, transportable carrying case. IP rating of case should prevent moisture and dust ingress complete with hard carrying case with locking arrangement.	10%

9. Supplier must be able to provide back-up service/ repair and recalibration	10%
10. Delivery lead time 6 weeks	5%
11. Financial	30%

**2. Training**

- Bidder is to provide a training schedule which shall include both theoretical session and practical session (Hands on).
- Bidder is to account for own travelling and accommodation cost.

**Note:**

**A Withholding Tax (“WHT”)** of 15% will be deducted by the employer on the service component before making the payment to the contractor. The employer (EFL) will provide to the Contractor a WHT deduction certificate for any WHT deducted by the Employer, where applicable.

**3. Total Bid**

Equipment	Quantity	Unit Price	Total Price (DDU) to Nadi Airport
Thermal imaging camera	3		
Training at EFL site	15 staff at EFL Kinoya		
	10 Staff at EFL Navutu		
<b>Total</b>			

#### 4. General Information

1	Name and Address of the Bidder:	
2	Contacts:	
3	Telephones:	
4	Fax:	
5	E-Mail:	
6	Mobile No:	
7	Name of Chief Executive Office and Telephone No:	
8	Sales Tax/Commercial Tax/CST nos.	
9	Service Tax No.	
10	Income Tax No.	

Name of Authorised Person	
Signature of the Bidder	
Company Stamp	
Date	



**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:



## **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 4.00pm (1600hrs Fiji Time) **Wednesday 26<sup>th</sup> February, 2020.**

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](mailto: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 52/2020 - Supply of 3 Units of Thermal Imaging Camera**

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 4.00pm (1600hrs Fiji Time) **Wednesday 26<sup>th</sup> February, 2020.**

- 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.**