



ENERGY FIJI LIMITED

SUPPLY AND DELIVERY OF PORTABLE

HANDHELD GPS DATA COLLECTOR

DEVICE

MR 391/2024

1. Introduction and scope of work

Energy Fiji Limited (EFL) is responsible for generation, transmission and distribution of electricity in Viti Levu, Vanua Levu, Ovalau and Taveuni in Fiji. By January 2023, the EFL had 215,515 customers. This included residential, commercial and institutional customers.

EFL is requesting for proposals from reputable manufactures or suppliers for supply and delivery of a portable handheld GPS Data Collector device to be used for capturing the GPS coordinates and related information for updating the EFL GIS software.

This specification covers the general requirements for the supply and delivery of one (1) complete portable handheld GPS Data Collector device.

2. General Requirements

The EFL's data capture team are required to take the GPS coordinates of EFL assets such as power poles, pillar boxes, transformers, underground cable routes, etc. and then manually enter additional information related to the asset being captured. This data is then transferred to a Windows based PC, processed and then used for updating the EFL GIS Software.

The portable handheld GPS Data Collector device must be supplied, complete with all accessories and software needed for its operation without the need of any additional attachments. The device must not require any periodical license renewal or updating of software at additional cost for use of the device.

The device must allow for customization of data entry fields for manual input of information such as pole type, pillar box type, pole dressing, cable type, transformer details and other information attributed to the asset being captured together with capturing of the GPS location of the asset.

EFL currently uses MapInfo Professional software as its GIS software. Bidders must provide a workflow of how information is to be transferred from the GPS Data Collector device ready for uploading onto MapInfo Professional software. The workflow must not rely on any third party software that needs to be purchased separately. If this cannot be avoided, then bidder must state with software(s) are required.

The Data Collector device must be of a rugged design, weatherproof, have a suitably sized sunlight readable display and be light weight.

Bidders are required to fill in the Technical Particulars under Part B of Section 9. Appendix. This is a mandatory requirement.

3. Details of Bidder

The bidder should be a manufacturer, authorized distributor or reseller of the device. The bidder must provide the following information:

1. Registered name of the bidder
2. Business address for correspondence (Location, Street, Locality City, Pin Code, Country, Telephone, Facsimile, Email, etc.).
3. Company Profile of device manufacturer and bidder (if authorized distributor or reseller).
4. Business registration details provided.
5. FRCS and FNPF certificate provided (For local bidders only).

4. Information to be Supplied by Bidder

The Bidder is required to provide the following information as part of the proposal:

1. All relevant test reports and product standard.
2. Product specifications, detailed user manual and any calibration requirements.
3. Warranty on the product - minimum 2 year full warranty required.
4. Method of replacement or reimbursement of faulty / defective or damaged device.
5. Lead time for supply of device.

6. Country of manufacture of the product with the brand / model etc.
7. Weight of the products.
8. Comment on the service life of the device.
9. Relevant manuals and instructions for proper care and handling of the device.
10. Quality management system used in manufacture of device.

The bidder is to include any other information that may be necessary or may add value to the product offered including any after sales service together with their bid submission such as technical support available to EFL to make better use of bidder's product.

5. Training and Aftersales Service

Bidders must state if any form of training is required to use the device offered and to also comment on available aftersales service for repair, maintenance and proper operation of device offered.

6. Packaging and Delivery

The successful bidder will be required to ship or hand deliver the device to EFL's Navutu Depot in Lautoka, Fiji Islands. All delivery costs must be included in the price offer. The device must be suitably packed to avoid any damages. EFL will not accept any package showing signs of damage that may have also caused damaged to the device.

7. Price of Bid

Submission of bid must be in CIF incoterms. The bidder must provide currency of bid together with price under Part A of Section 9. Appendix. Price must remain valid for a period of minimum 90 days from the date of tender closing.

8. Compliance to Specification

Bid submissions which do not comply with this specification will be rejected.

9. Appendix

A. Price Schedule

Quantity	Item Description	Unit Price (CIF)	Currency of bid	Lead time for delivery
1	Portable handheld GPS Data Collector device			

B. Technical Particulars

Particulars	Requirement	Bidders Response
Name of manufacturer	Bidder to state.	
Place of manufacture	Bidder to state.	
Name of Device and Model number	Bidder to state.	
Accessories provided	Device must be provided completed with all accessories and software needed for its operation without the need for any additional attachments.	
Certifications to which device complies to	Bidder to state.	
Environmental Certifications	EU RoHS, China RoHS, REACH, WEEE, etc.	
Memory	Minimum 8GB RAM.	
Storage	Minimum 64GB, expandable via SD card.	
Processor	Minimum 64-bit quad-core.	
Software installed on Device and required on PC for data transfer and processing.	Windows based - Windows 10 or above on device, Trimble Access. Bidder to confirm workflow for transferring of data from the device to Windows based PC and ready for uploading to MapInfo Professional soft. Mention any software required and must be supplied with device.	
Software License requirements	Bidder to state.	
Display	Preferred display size of 5.5 to 7 inch touchscreen display with excellent	

	<p>resolution for crisp clear display. Sunlight readable, LED backlit, stylus pen provided.</p> <p>Display must be protected with hardened glass.</p>	
Input and output ports (USB ports, connections ports for data transfer, charger ports, etc.)	<p>Bidder to state in detail all input and output ports provided in the device. Specify how data is to be transferred to Widows based computer.</p>	
Data entry in Device	<p>Device must allow customization of fields for data entry for manual input of information. Bidder to provide details of how this will be done.</p>	
Battery	<p>Capable of full day operation, hot swappable battery to extend operating time. Spare battery to be provided with device. Device must allow for quick charging of battery.</p>	
Battery life cycle	<p>Bidder to comment on number of times battery can be charged and discharged before needing replacement.</p>	
Battery Charger	<p>Must connect to single phase 240V AC ($\pm 5\%$) 50Hz Australian standard power outlet. Charger must be provided.</p> <p>Also comment if device can be charged via 12V sockets typically found in Vehicles and Wattage requirement.</p>	
Keyboard	<p>If included in device - preferred QWERTY with backlight.</p>	
Accuracy of Device	<p>Highly accurate within $\pm 0.5m$</p>	
Operation of Device	<p>Via GNSS. The device must not require any Data connectivity for operation.</p>	
Sensors	<p>Accelerometer, magnetic sensor,</p>	

	ambient light sensor, proximity sensor.	
Material of Device and IP Rating	Must be rugged design with drop protection, meet IP 68 rating.	
Device dimensions and weight	Bidder to state.	
Device Warranty	Minimum 2 year full warranty required. Method of replacement or reimbursement of faulty / defective or damaged device.	
Training requirement	Bidder will have to specify if any form of training is required for use of the device. Provide details on after sales service for repair, maintenance and proper operation of device.	
Calibration requirement	Bidder must provide details of any periodical calibration requirement for proper operation of the device.	
Number of years Device has been in production	Bidder to state.	
Number of years Manufacturer and bidder has been in business	Bidder to state.	

Name of Bidder: _____

Signature of Bidder: _____

Date: _____

Email: _____

Company Stamp:

TENDER CHECKLIST

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. **Provide a copy of Valid FNU Compliance Certificate (Mandatory Local Bidders only)**

13. Contact Person: _____

I declare that all the above information is correct.

Name: _____

Position: _____

Sign: _____

Date: _____

Tender Submission - Instruction to Bidders

Bidders are requested to upload electronic copies via Tender Link by registering their interest at: <https://www.tenderlink.com/efl>

EFL will not accept any hard copy submission to be dropped in the tender box at EFL Head Office in Suva.

This tender closes at 4.00pm (1600hrs) on Wednesday 11th December, 2024.

For further information or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9992400 or email us on tenders@efl.com.fj

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act. Bidders are to clearly state the percentage of VAT that is applicable to the bid prices.

The lowest bid will not necessarily be accepted as the successful bid.

The Tender Bids particularly the “Price” must be typed and not hand written.

Any request for the extension of the closing date must be addressed to EFL in writing three (3) working days prior to the tender closing date.

Tender Submission via email or fax will not be accepted.