

Tender for Supply of 40 x Mobile Radio Telephone (RT)



MR 163/2017

Supply of 40 x Radio Telephone (RT) Set for FEA Vehicles.

1.0 The Company - FEA

Fiji Electricity Authority (FEA) is a 100% Government owned company solely responsible for supplying power throughout the main commercial islands of Fiji. Power is supplied through Hydro, Diesel and Wind Generators located in different parts of Fiji.

The operations of the company are organized into three geographically defined divisions, which correspond to the national administrative divisions. These divisions are:

- Central Eastern Division based in the capital Suva
 - Suva, Lami, Navua, Tailevu, Levuka and part of the Coral Coast
- Wertern/Nothern Division based in Lautoka
 - Sigatoka/Coral Cost Area, Nadi/Lautoka Area, Ba/Tavua/Rakiraki Area, Nadarivatu/Monasavu/Wailoa Area, and the, Northern Division (Labasa/ Savusavu/ and Taveuni Area)

FEA provides electricity services to most parts of the country especially in the main islands – Viti Levu and Vanua Levu, and also the Islands of Ovalau and Taveuni.

FEA's official website is www.fea.com.fj .

2.0 The Purpose and Description of The Tender

The Fiji Electricity Authority (FEA) is requesting for bids from reputable Companies, locally and overseas, for the **supply of 40 x Radio Telephone (RT) Set for the Company's new vehicles and also for spares.**

Radio Telephone, or RT, is the major form of communication between FEA's field staff and the Controllers at the National Control Centre in Vuda. The RT is installed in all FEA vehicle and is a safety requirement for all vehicles to have one for field works such as attending faults, repair, and maintenance works. As such, the Company is looking for bidders who can provide and guarantee robust and quality product, with quality support and after sales services.

3.0 Eligibility / Selection Criteria of the Bidder

The supplier should be a Manufacturer, Supplier, Authorized Distributor or Reseller of the proposed Products and Spares, and be able to also provide quality after-sale service, and also can provide technical training for FEA Staff – if required.

The bidder shall clearly state whether they are:

- 1) Manufacturer
- 2) Supplier
- 3) Authorized distributor or Reseller.

For 2) and 3) above, an official letter from the manufacturer stating that the company is an authorized distributor/reseller or supplier shall be provided as part of the bid submission.

All relevant Test Reports, Product Standard Certificates, and Product Specification must be well presented together drawings are required to be supplied in the Tender Documentation as part of their Bid.

Other information to be provided by the Bidder as part of the proposal:

1. Manufacturer's / Vendor's warranty on the product.
2. Method of repair, replacement or reimbursement of faulty/defective or damaged goods
3. Lead time including manufacturing time and shipping duration.
4. The bidder must provide the weight or CBM of the products
5. Previous FEA experience with the Bidder and Supplier DIFOTIS (Delivery in Full on Time in Spec)
6. It is mandatory for the Bidders to provide full specification of the RT during submission of the Bid.

4.0 Delivery

All required equipment, spares, & accessories shall be delivered to the Fiji Ports - Nadi, Lautoka and Suva. The procurement section of FEA will arrange for the freight with its preferred courier agent for overseas bidders.

5.0 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: <i>(Location, Street, Locality City, Pin Code, Country, Telephone, Facsimile, Email Other)</i>
Contact Name of the Authorised Person:
Contact's Position: Contact addresses if different from above <i>Locality City, Pin Code</i> <i>Location, Street, Country, Telephone, Facsimile, Email, Web address</i>

Business Structure:
Include the organisation's years of experience in this field and reputation record in the market place.

6.0 Other Value Added Services

The bidder is open to include any other supporting information and/or documentation that may add value to their proposed product and after sales services.

7.0 Technical Support

1. Bidder should provide details of what technical support is available to FEA to make better use of supplier's product.
2. Include relevant manuals and instructions for proper care and handling of the equipment and accessories.

8.0 Product Information

Bidders must include the following document together with their Bid:

- Full Product Specification
- Relevant Test Certificates
- Standard Compliance Certificate.

9.0 Package Size

The successful bidder will be required to pack and dispatch the item as per FEA's requirement. The package size and quantity will be determined by FEA unless the product is a standard factory package. All packages must be clearly marked with the quantity content in the crate or pallet. The bidder must ensure proper, suitable, and safe packing of the item before dispatch to avoid any minor or major damages to the goods during transit.

10.0 Defects Warranty Period

All goods shall be supplied with a Warranty Period of not less than 12 months from the date of the receipt of the goods by FEA. During the Warranty Period, defective supplied parts shall be returned to the supplier for replacement on a pick-up exchange and return-delivery basis.

11.0 Price Validity

The quoted price shall remain valid for acceptance within 30 working days from the date of opening of bids and bidders shall not withdraw or amend their proposal prior to the expiration of the validity period.

In exceptional circumstances prior to expiry of the original validity period, the Authority may request the supplier for an extension in the period of validity. The request and the response thereto shall be in writing. A supplier agreeing to the request will not be permitted to amend its tender price.

12.0 Payment Terms

FEA shall pay the invoice amount of received material/goods in foreign currency (for overseas successful bidder) and local Fiji currency (for successful local bidder) to their desired bank account nominated by the successful supplier within 30 days of receipt of the invoice subject to the materials/goods is being received in good order and desired operational condition and expected performance.

13.0 Required Technical Specification

Below are the technical specification of the mobile radio that we intend to purchase. The radio should be of the model TM8200 series or of the latest model manufactured by TAIT and should be supplied with all accessories and antenna.

<u>Receiver Specification</u>	
Adjacent Channel Selectivity	>60dB
Audio Distortion at Rated Audio	±10%
Audio Bandwidth	300 – 3000Hz
Blocking	>84dB
Co-channel Rejection	>-12dB
FM Hum and Noise	>34dB
Frequency Stability	±1.5ppm
Intermodulation Rejection	>65dB
Rated Audio	>1W into >10Ω Load
RSSI	-115 to -50dB

Sensitivity	<-117dB
Signal Displacement Bandwidth	>40%
Spurious Response Rejection	>70dB
<u>Transmitter Specification</u>	
Audio Distortion at 1kHz with 60% Modulation	<3%
Conducted Emission	<-36dB
FH Hum and Noise	>34dB
Modulation	Analog FM
Modulation Frequency Response	300 – 3000Hz
Modulation Limiting	±2.5kHz
RF Power Output	25W
Transmit Rise Time	<20ms
Transmit Timer	1 – 250 seconds
Duty Cycle	>30%
<u>General Specification</u>	
User Interface	Displays, Connectors, Function Keys, Keypads, LED Status Indicators, Push-To-Talk Button (PTT), Hook-switch and Hanger Plate, Speaker, Microphone, ON/OFF Switch, etc
Connection to the Radio Body	RF - 50Ω BNC Connector; Power – 10 to 16V DC (negative ground); Auxliary – 15-way D-range; Internal Option – 18pin Micro-MaTch Connector; Speaker - internal.
Brackets for Installation of Radio	Provision of brackets for installation inside vehicles.
Remote Control Head Installation	Display – 3 x 7 segment; Connectors – 1 x 8-way RJ45; Function keys; Keypads; LED Status Indicators; PTT;

	Hookswitch; Hanger Plate; Microphone, Volume; etc.
<u>Environmental</u>	
Operation Temperature Range (°C)	0° - +60°C
Dust and Immersion	IP54 Rated
Durability	Military Standard
<u>Frequency and Channels</u>	
Frequency Increment	2.5kHz
Channel Spacing	12.5kHz
Frequency Range	136 – 174MHz
Frequency Stability	±1.5ppm
IF Bandwidth	7.5kHz
RF Power Output	25W

14.0 Self Certification of Quality

The Radio Telephony Equipment supplied by the successful tenderer should be accompanied with a 'Quality Assurance Certificate' (QAC) from the manufacturer stating that this equipment supplied is in conformity with the specifications requirements in the Tender.

15.0 Tender Evaluation

After the bids are received, it will go through a normal tender evaluation process as per FEA's Tender Policy and Procedures. The successful and unsuccessful bidders will be advised of the outcome after completion of the Tender evaluation process.

The evaluation of the tender submissions will be weighted as such:

No.	Components	Weighting (%)
1	Financial Components.	40 %
2	Technical Capability.	30 %
3	Delivery Timeframe.	10 %
4	Proven Background and Records.	10 %
5	Backup Service and Support	10%

15.2

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, on Wednesday 12th July, 2017**.

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

In additional, hard copies of the tender, 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 12th July, 2017**- Addressed as

Tender – MR 163/2017 Supply of 40 x Radio Telephone Set for FEA Vehicles

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

- **Hard copies of the Tender bid 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.**

Tenders received after **4:00pm** on the closing date of **Wednesday 12th July, 2017**.

- 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 including any Duties/Taxes. Hard copies of the Tender submission via Post Box will not be considered.**