



Fiji Electricity Authority

Tender Document for Supply of Portable Oil

Test Set complete with Accessories

MR-241/2017

Tender Closing date: Wednesday 18th October, 2017

Invitation to Bid MR 241/2017

SUPPLY OF PORTABLE OIL TEST SET FOR FIJI ELECTRICITY AUTHORITY

Fiji Electricity Authority (“FEA”) invites Bids from reputable, qualified and capable companies for the Supply of Portable Oil Test Set complete with Accessories.

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@fea.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 FEA. It also provides information on Bid submission, opening, and evaluation, and on the award of contract*

1. Scope

1.1 The entity of the FEA specified above invites Bids for the Supply of Portable Oil Test Set complete with Accessories as described in the Bidding Document.

2. Eligibility Of Bidders

2.1 This bidding is open to all eligible companies

2.2 FEA in its sole unfettered discretion, disqualify or otherwise determine ineligible any potential Bidder that the FEA 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 FEA'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 FEA.

- 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 FEA and will not in any way limit the FEA'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 Bidder entirely in FJD.

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 FEA as non-compliant.
- 5.2 In exceptional circumstances, FEA 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.

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.

SECTION II – TENDER SPECIFICATIONS

NOTE: Failure to submit these mandatory tender specifications (General, Technical, Additional Accessories) in the table below will automatically result in the disqualification of the tender bid

General Specification		Required	Bidders Comment
Internal battery fitted		√	
Mains / Line supply lead (plug)		√	
Full Electrode set supplied (IEC ASTM or Universal)		√	
Soft Padded carry case		√	
Max test voltage	60 kV	√	
Power Supply	NiMH battery option	√	
	12 V DC charger option	√	
	Vehicle adaptor cable	√	
Data Management	Internal test result memory	√	
	Download results to USB stick	√	
	USB stored data download	√	
	USB unload of assets to be tested	√	
Ruggedness	Tough display and chamber lid	√	
	Low cost shatter proof test vessel	√	
	Large corner protecting rubber feet	√	
	Rugged non-flex construction	√	
Transport	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.	√	
	Shall be (<23 kg) one man carry	√	
Operating costs	Low cost test vessel (Vessel of each oil)	√	
	Full calibration service provided	√	
Test standards	Fast favorite list selection	√	
	Fully automatic test sequence	√	
	Test standards update via USB device	√	
	Custom tests	√	
Cleanliness	Easy pour / clean vessel design	√	
	Test chamber spilt oil drain	√	
Accuracy	Continuous oil temperature	√	
	Lockable thumbwheel adjustable	√	
	Voltage output verification unit	√	

Technical Specification

Technical Specification	Required	Bidders Comment
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Test voltage	- 30 kV rms to 30 kV rms	√	
Voltage resolution and accuracy	0.1 kV ±1% ,± 2 digits	√	
Vessels	Shall come with: 1. 400ml (standard vessel) 2. 150ml (test vessel)	√ √	
Oil Temperature measuring range	10 °C to 65°C	√	
Oil Temperature sensor resolution	1 °C	√	
Power Supply	Line Voltage 200 to 265 VAC Line Frequency 50/60Hz	√	
Battery Type	NiMH 24V 2Ah	√	
Interface	1. USB 2.0 Compatible 2. 2x USB type A (memory stick) 3. 1x USB type B (printer or PC)	√ √ √	
Printer	1. Internal printer is required-matrix impact printer, Paper shall be at least 57.5mm wide 2. Printer paper shall come with the unit and additional rolls shall come as spare. 3. External Printer- must be capable to have any printer with USB interface and PCL3 driver	√ √ √	
Protection	1. Dual Safety micro switches on chamber cover 2. Shall be capable of terminating the test upon pressing any button on the keyboard which will remove the high voltage and abort the test	√ √	
Display	320 x 240 QVGA color display with backlight	√	
Operating temperature range and humidity	0 °C to +50 °C 80% RH at 40 °C operation	√	
Storage temperature range and humidity	-30 °C to +65 °C 95% RH at 40 °C	√	
Maximum Altitude	2000m	√	
Safety	Designed in accordance with IEC61010	√	

Dimensions	520mm x 340mm x 250mm	√	
Weight	Maximum of 20Kg which will include the oil tester, printer and the battery)	√	
Test Vessels	Maximum of 1.1Kg (400ml and 150ml included)	√	
EMC	Light industrial IEC 61326-1 Class B, CISPR 22, CISPR 16-1 and CISPR-2	√	

Accessories

The following are the accessories that are required for each test set.

Accessories	Required	Bidders Remark
Stirrer lid with standard impellor	√	
Factory Fitted NIMH Battery with 12V Charger	√	
Padded Soft Carry Bag	√	
Transport Case with wheels	√	
Standard Vessel – 400ml	√	
Test Vessel – 150ml	√	
Internal Printer with spare paper rolls		
Magnetic bead stirrer and retriever		
Full Electrode set supplied (IEC ASTM or Universal) 1, 2, 2.4, 2.54mm		

2. Total Bid

Equipment	Quantity	Unit Price VIP (\$) FJD	Total Price VIP (\$) FJD
Portable Oil Test Set complete with Accessories	1		
Total			

NOTE: All Prices Should be in FJD (VIP).

3. Other Requirement

Other requirements	Bidders Remarks
Supplier should also provide:	
1. Calibration Certificate of instrument along with the traceability	
2. Standard International Guarantee /Warranty certificate	
3. Service center information.	
4. Quoted price should have a validity of 3 months (90 Days)	

5. Soft and Hard copy of the Instruction Manual and Oil Tester Theory/Guide	
6. Supplier shall provide calibration facility and its details	
7. Bidder to provide following information along with technical data in their technical bid <ul style="list-style-type: none"> • Physical dimensions of the instrument. • Weight of the instrument. • List of the customers to whom they have supplied the quoted model. 	
8. Bidder must be able to provide back-up service/ repair and recalibration- details to be submitted	
9. Bidder shall provide mandatory hands-on training on the use of the equipment to FEA Technicians and Engineers on site (FEA Navutu Depot, Lautoka, Fiji)	
10. 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.	

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.	

Note: Separate sheets may be attached wherever necessary.

Signature of the Bidder

With stamp and 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, on Wednesday 18th October, 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 18th October, 2017**- Addressed as

Tender – MR 241/2017 Supply of Portable Oil Test Set Complete with Accessories

**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 18th October, 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.**