

NOTICE OF PROPOSED PROCUREMENT (NPP)
For
Handheld RF Analyzer

This requirement is for: **Department of National Defence**

This requirement is open only to those **Supply Arrangement Holders under E60HN-16ELEC** with delivery to the NCR.

The following SA Holders have been invited to submit a proposal:

1. Anixter
2. Graybar Canada
3. Nedco-Rexel Canada Electrical INC
4. Daltco Electric & Supply (1979) LTD
5. Wesco Distribution Canada LP
6. Gimpel Electric Supply LTD
7. Dubo
8. Guillevin International CO
9. Lumen
10. Marchand Electrical CO LTD
11. Technet Electronics
12. Seivad
13. Testequity
14. Gap Wireless
15. TestForce Systems Inc
16. Navair Technologies Inc.
17. KGPCO Canada, ULC
18. Newark Element 14
19. Westburne Ontario – DIV of Rexel Canada INC
20. Electro Rent LLC
21. ECS Electrical Cable Supply LTD
22. Deschenes et Fils Ltd
23. I.T.M Instruments
24. Per Vices Corporation
25. KVA Protection INC
26. Giga-Tron Associates LTD
27. Robertson Electric
28. Allied Electronics Canada INC
29. Novapex Technologies INC

Description of the Requirement:

The Communications Electronic Warfare (CEW) group of the Navigation and Communications Electronic Warfare (NAVCOM EW) section at Defence Research & Development Canada – Ottawa Research Centre (DRDC ORC) has a requirement for two (2) Handheld RF Analyzers in support of the Centre's Science and Technology (S&T) program. The portable analyzers will be

used to perform measurement of RF signals in various configurations in laboratory and field environments.

REQUIREMENTS

Handheld RF Analyzers

Required quantity: 2

The Contractor must provide the requirement with the following specifications:

Requirement	Specification
Handheld RF analyzer	Weight: < 3 kg (with battery) Dimensions (H x D x W): < 300 mm x 200 mm x 75 mm Operating temperature: -10 to 55 °C Power consumption: < 15 W Battery life: > 3.5 hours RF connector: Type-N, (50 Ω impedance) USB connector: USB-A (x2), Mini USB LAN connector: RJ-45 (100 base-T) External reference: 10 MHz (50 Ω impedance) Data storage: > 4 GB (internal) Programming: SCPI Language: English, French Remote control capability (iOS) option
Cable and antenna analyzer option	Frequency range: 2 MHz to 6 GHz Frequency resolution: < 10 kHz Accuracy: < ± 3 ppm Output power: > +0 dBm Transmission measurement option
Network analyzer option	Frequency range: 2 MHz to 6 GHz Measurements: S11, S21 – both frequency and time domain data Resolution: > 10000 data points Averaging: > 500 points Number of traces: up to 4 Quick calibration option
Spectrum analyzer option	Frequency range: 100 kHz to 6 GHz Frequency span resolution: 1 Hz Reference level: -170 to +30 dBm Accuracy: < ± 3 ppm Sweep time: 1 us (minimum) Trace points: > 1000 Resolution BW: < 500 Hz

	Input attenuation: > 30 dB Amplitude accuracy: < ± 2.5 dB DANL: < -115 dBm TOI: < -90 dBc Number of traces: up to 4 Preamplifier gain: > 20 dB Interference analyzer option
Power sensor measurement option	Frequency range: Determined by sensor Frequency step: 30 kHz (minimum) Number of points: > 1600 Dwell time: up to 1 second External USB power sensor support

Applicable Trade Agreements:

CFTA.

Proposed period of contract:

The proposed period of contract shall be from date of contract award with a delivery date within 1 month after contract award.

Contract Authority

File Number: 2023-14693
 Contracting Authority: Sue Hall
 Phone Number: 343-553-2918
 E-Mail: SUSANNE.HALL@forces.gc.ca

Inquiries

Inquiries regarding this RFP requirement must be submitted to the Contracting Authority named above. Request for Proposal (RFP) documents will be e-mailed directly from the Contracting Authority to the Qualified Supply Arrangement Holders who are being invited to bid on this requirement. BIDDERS ARE ADVISED THAT "BUYANDELL.GC.CA" IS NOT RESPONSIBLE FOR THE DISTRIBUTION OF SOLICITATION DOCUMENTS. The Crown retains the right to negotiate with any supplier on any procurement. Documents may be submitted in either official language.