

NOTICE OF PROPOSED PROCUREMENT
For
Phase Noise 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
4. Daltco
5. Wesco
6. Gimpel Electric
7. Dubo
8. Guillevin
9. Lumen
10. Marchand Electric
11. Technet Electronics
12. Seivad
13. Testequity
14. Gap Wireless
15. TestForce
16. Navair
17. KGPCo
18. Newark Element 14
19. Westburne
20. Electro Rent LLC
21. ECS Electrical
22. Deschenes et Fils
23. I.T.M Instruments
24. Per Vices Corporation
25. KVA Protection
26. Giga-Tron
27. Robertson Electric
28. Allied Electronics Canada
29. Novapex

Description of the Requirement:

The Department of National Defence (DND) has a requirement for the procurement of test equipment to be used for signal quality (Phase Noise) measurement of a system in a laboratory environment. It must be capable of operating in the HF frequency range (1 MHz – 200 MHz) and be compatible for testing various signal sources used in the HF radar systems. The radar

system presently under development operates down to 3 MHz and therefore this phase noise test system is required to evaluate its components. It is being purchased as Minor Capital Equipment acquisition and may be used to evaluate various other components for future DRDC projects.

REQUIREMENTS

Phase Noise Analyzer, 1 MHz to 200 MHz

Required quantity: 1

The Contractor must provide the requirement with the following specifications:

| Specifications | Value |
|--|---|
| OUTPUT Frequency | 1 MHz to 200 MHz |
| Input Power Level | -5 dBm to +15 dBm into 50 ohms |
| Maximum System Noise Floor (5 MHz / 100 MHz carrier) | 1 Hz -135 / -120 dBc/Hz 10 Hz -145 / -130 dBc/Hz 100 Hz -155 / -145 dBc/Hz 1 KHz -165 / -160 dBc/Hz 10 KHz -170 / -170 dBc/Hz >100 KHz -170 / -170 dBc/Hz |
| Offset Frequency Range (Min. to Max.) | 0.001 Hz to 1 MHz |
| Spurious (5 MHz to 100 MHz) | ≤-100 dBc |
| Power Supply | 90 to 264 VAC |
| Power Consumption | 40 W Maximum |
| Operating Temperature Range | +15 C to +35 C minimum range |
| Storage Temperature Range | -20 C to +50 C minimum range |
| RF Input Connector | N-type female |

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: 2022-12719
 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 "BUYANDSELL.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.