

**NOTICE OF PROPOSED PROCUREMENT (NPP)**  
**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:

<b>Specifications</b>	<b>Value</b>
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](mailto: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.