

REQUEST FOR QUOTATION (THIS IS NOT AN ORDER)		THIS RFO <input checked="" type="checkbox"/> IS <input type="checkbox"/> IS NOT A SMALL BUSINESS SET-ASIDE		PAGE OF PAGES 1 12
1. REQUEST NO. N00173-14-Q-0197	2. DATE ISSUED 05-01-2014	3. REQUISITION/PURCHASE REQUEST NO. 57-2072-14	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING
5a. ISSUED BY Naval Research Laboratory (Supply Officer) Code 3410			6. DELIVER BY (Date) 01/20/2014	
5b. FOR INFORMATION CALL (NO COLLECT CALLS)			7. DELIVERY	
NAME Nicole Coleman		TELEPHONE NUMBER AREA CODE: 202 NUMBER: 767-2474		<input checked="" type="checkbox"/> FOB DESTINATION <input type="checkbox"/> OTHER (See Schedule)
8. TO:			9. DESTINATION	
a. NAME All Quoters	b. COMPANY		a. NAME OF CONSIGNEE Naval Research Laboratory	
c. STREET ADDRESS			b. STREET ADDRESS 4555 Overlook Ave SW	
d. CITY			c. CITY Washington	
e. STATE		f. ZIP CODE		d. STATE DC
e. ZIP CODE 20375				
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5a ON OR BEFORE CLOSE OF BUSINESS (Date) 05/12/2014		IMPORTANT: This is a request for information, and quotations furnished are not officers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5a. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or service. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotation must be completed by the quoter.		

11. SCHEDULE (Include applicable Federal, State and local taxes)

ITEM NO. (a)	SUPPLIES/ SERVICES (b)	QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)
See attached continuation sheets					

12. DISCOUNT FOR PROMPT PAYMENT	a. 10 CALENDAR DAYS (%)	b. 20 CALENDAR DAYS (%)	c. 30 CALENDAR DAYS (%)	d. CALENDAR DAYS	
				NUMBER	PERCENTAGE

NOTE: Additional provisions and representations are are not attached.

13. NAME AND ADDRESS OF QUOTER			14. SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15. DATE OF QUOTATION	
a. NAME OF QUOTER			16. SIGNER		b. TELEPHONE	
b. STREET ADDRESS						
c. COUNTY			a. NAME (Type or print)		AREA CODE	
d. CITY		e. STATE	f. ZIP CODE	c. TITLE (Type or print)		NUMBER

CONTINUATION SHEET

N00173-14-Q-0197

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NAME OF OFFEROR CONTRACTOR

All Quoters

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001	<p>100-400 MHz Block Upconverter (frequency inverting)</p> <p>Physical 0U-1-01 The unit shall fit within a volume of 7 x 4.5 x 2.5 inches</p> <p>Power 0U-1-02 The unit shall a single supply voltage of 15 volts.</p> <p>Physical 0U-1-03 If an external frequency reference is required, the unit shall accept a single 10 MHz reference with power level of 7.5+ or - 2.5dBm</p> <p>Environment 0U-1-04 The unit shall operate in ambient temperature between 0-40 degrees celcius.</p> <p>HW Interfaces 0U-1-05 The unit shall accept an IF input signal through an SMA connector over the operational frequency of 100-500MHz</p> <p>HW Interfaces 0U-1-06 The unit shall provide as RF output signal through an SMA connector. The output frequency range is dependent on the unit's LO frequency (req't 0U-1-07)</p> <p>Hardware 0U-1-07 The unit shall upconvert the entire IF input band (block upconvert) to any RF output band between and including 1-4 GHz.</p> <p>Hardware 0U-1-08 TheRF output shall be frequency inverted, where a 100 MHz input maps to the maximum output frequency and a 400 MHz input maps to the minimum output frequency.</p>	8	EA		

NAME OF OFFEROR CONTRACTOR

All Quoters

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
001	<p>Hardware 0U-1-09 The unit shall have a conversion gain of 0+ or -4 dB</p> <p>Hardware 0U-1-10 The unit shall have a sideband suppression of at least 60 dB</p> <p>Hardware 0U-1-11 Single-tone intermodulation spur power level shall be no more than -60 dBc for an IF input power level of -20 dBm</p> <p>Hardware 0U-1-12 The LO leakage power level at the RF output shall be no more than -50 dBm</p> <p>Hardware 0U-1-13 The output 1 dB compression power level (P1db) shall be at least +7 dBm</p> <p>Hardware 0U-1-14 The single sideband noise figure shall be no more than 15 dB</p>	8	EA		
002	<p>Non-Recurring Engineering (NRE)</p> <p>Brand name or equal</p> <p>If available please include published price list or a cost breakdown and return RFQ package to the following fax number (202) 767-0685 or email nicole.coleman@nrl.navy.mil.</p> <p>Any questions concerning this Request for Quotation (RFQ) must be e-mailed to SolQnA@nrl.navy.mil at least five (5) days before the closing date shown in block 10 on page 1 of the RFQ.</p>	1	EA		