

The Texas A&M University System

ORGANIZATION		DEPARTMENT	
Organization	AM02 - Texas A&M University	Department	02AERO
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Purchaser	Angel Constancio	Ship-to-Address	H. R. BRIGHT BLDG. 701 3141 TAMU COLLEGE STATION, TX 778433141
Info Contact			

BID INFORMATION			
Description	LAB-190-30 Laser		
Bulletin Desc.	See information regarding installation and training on Bid Information Document		
Bid Number	AM02-17-B000979	Bid Opening Date	05/02/2017 2:00 PM
Bid Type	Open Market	Type Code	Invitation for Bid
Alternate Id		Fiscal Year	2017
		Available Date	04/12/2017 8:52 AM
Pre-Bid Conference			
Attachments	APPENDIX A - Vendor Insurance Requirements (New)~5.pdf Bid Information - Bid B000979.pdf New HSP Packet - HUB Subcontract Plan - TAMU University~2.pdf Substitute W9 - New - February 19 2016~91.pdf Terms and Conditions - Updated~12.pdf		

AMENDMENTS

ITEMS					
Item	Description	Quantity	Unit	Unit Price	Total
1.000	LAB-190-30 Quanta-Ray LAB, 30 Hz Operation - >800 mJ/pulse at 1064 nm, harmonics available Oscillator-only YAG laser with dual rod and pump chamber configuration Proprietary resonator design with unique gold-coated elliptical pump chamber and DSP electronics. To include compensation for thermally induced birefringence in the YAG rod greatly reducing beam depolarization. Internal saled beam path and high-damage threshold optics from Spectra-Physics' advanced coating labs. Specifications: Energy: >800 mJ per pulse at 1064nm Pulsewidth: 8-12 ns Short term Energy Stability: +/-2% Long Term Power Drift: <3% Beam pointing stability: <+/-50 urad Beam Divergence: <0.5 mrad Timing Jitter: <0.5 ns Lamp lifetimes >30 Million Shots Linewidth: <1.0 cm-1 (available linewidth <0.003 cm-1 with addition of internal 6350 injection seeder)	2.00	EA		
2.000	6350-1 Injection seeder (DPSS CW single frequency laser) purchased with any LAB or PRO	2.00	EA		

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
	Series. Energy reduction of 15% of any LAB or PRO				
3.000	NS-PULSED YAG External beam combining box to spatially overlap output from two LAB series pulsed YAG lasers. To include mounting areas for waveplate and beam combiner, harmonics generator and harmonics separators to allow access to 532 nm & 1064 nm, includes beam dump.	1.00	EA		
4.000	HG-4B1 High efficiency harmonic genator, angle tuned, and temperature stabilized with SHG Type I and II and THG KD*P crystals	1.00	EA		
5.000	IHS-355 Pair of mounted 355 nm dichroic beam splitters	1.00	EA		
6.000	IHS-532 Pair of mounted 532 nm dichroic beam splitters	1.00	EA		
7.000	BD-6 Water-cooled beam dump for internal Nd: YAG use only	2.00	EA		
8.000	WP-4 1064 nm mounted wave plate for 90 degree polarization rotation	2.00	EA		
9.000	DDG 4 channel delay generator	1.00	EA		
10.000	PRIMOSCAN/BB-300 primoScanFully Integrated Broadband OPO *Fully automated broadband nanosecond OPO *Wide Tuning Range: 405-690 nm (signal) and 730-2700 nm (idler) *300 mJ (at 355 nm) maximum pump energy delivers >114 mJ at peak *Fast wavelength switching - 10 preselectable wavelengths each second *Linewidths from 10 cm-1 to 500 cm-1 *Optional single output port available for entire tuning range *Repetition rates up to 100 Hz	1.00	EA		
11.000	EFT-LAB/PRO Extension feet to raise OPOs to LAB/PRO beam height	1.00	EA		
12.000	LBP/LAB Laser beam back reflection protection placed in laser to protect laser from 335 light returning from OPO pumped by LAB	2.00	EA		
13.000	NS-SCAN-OPO Provision to accept external seed source for injection locking OPO to an narrow line-width laser.	1.00	EA		
14.000	NS-SCAN OPO UV-primoScan integrated module containing 2 larger crystals for doubling of a seeded OPO. Crystals will be mounted and tested. Standard wavelength region is 210-404 nm	1.00	EA		
15.000	INT-C Integrity Caster Upgrade Kit, to include 4 casters and mounting hardware	1.00	EA		
16.000	INT4-38-12-A Integrity 4 VCS, 3 ft. width, 8 ft. length, 12 in. thick, Lsolated	1.00	EA		