

The Texas A&M University System

ORGANIZATION		DEPARTMENT	
Organization	AM02 - Texas A&M University	Department	02IQSE
Address	401 Joe Routt Boulevard College Station, TX 77843	Bill-to-Address	750 Agronomy Road - Suite 3101 6000 TAMU Attn: Email invoices to invoices@tamu.edu Attn: Do not mail invoice if sending via email College Station, TX 778436000
Purchaser	Angel Constancio	Ship-to-Address	MITCHELL PHYSICS BLDG. Room 122 4242 TAMU COLLEGE STATION, TX 778434242
Info Contact	Angel Constancio - agc@tamu.edu		

BID INFORMATION			
Description	Tunable CO2 Laser		
Bulletin Desc.			
Bid Number	AM02-17-B000981	Bid Opening Date	04/25/2017 2:00 PM
Bid Type	Open Market	Type Code	Invitation for Bid
Alternate Id		Fiscal Year	2017
		Available Date	04/14/2017 7:54 AM
Pre-Bid Conference			
Attachments	APPENDIX A - Vendor Insurance Requirements (New)~6.pdf Bid Information - Bid B000981 - Tunable CO2 Laser.pdf Substitute W9 - New - February 19 2016~93.pdf Terms and Conditions - Updated~14.pdf		

AMENDMENTS

ITEMS					
Item	Description	Quantity	Unit	Unit Price	Total
1.000	MTL-5 ULTRA COMPACT MTL-5 TEA CO2 LASER HEAD CYLINDRICAL LASER HEAD WITH CLEAN CERAMIC STRUCTURE AND LONG LIFE ELECTRODES, NOVEL UV PRE-LANISER ARRAY, OUTPUT COUPLER, INTEGRAL HIGH VELOCITY FANS FOR OPTIMAL GAS FLOW, PROFILED GAS DUCTING, WATER COOLING HEAR EXCHANGER FINS. WATER COOLING REQUIRED FR OPERATION OVER 20 HZ, VIA TH2 THERMOCIRCULATOR.	1.00	EA		
2.000	MTL-5-PS MTL-5 POWER SUPPLY POWER SUPPLY 1000/SEC AT 25KV CAPACITOR CHARGING CIRCUT, THYRATRON TRIGGERED WITH INTERNAL AND EXTERNAL CONTROL. TRIGGER FREQUENCY AND CHARGING VOLTAGE CAN BE DISPLAYED ON LCD DISPLAY. THE POWER SUPPLY CAN BE SEPERATED BY UP TO 10 METERS (5 METERS STANDARD) FROM THE LASER HEAD. MULTIMODE OUTPUT 150MJ GUARANTEED AT 10.6 MICRON, REPETITION RATE SINGLE SHOT 100HZ, PULSE LENGTH CA 50NS (FWHM), BEAM SIZE 10 X 10MM. THE SUPPLY HAS MANY SYSTEM INTEGRITY MONITORING FEATURES, PLUS AN INTEGRATED LASER SHOT COUNTER. UNIVERSAL MAINS INPUT 100-240V, 50-60HZ.	1.00	EA		
3.000	TEM00 SINGLE TRANSVERSE MODE OPTION - FOR TUNED OR UNTUNED MTL-5 FOR SINGLE TRANSVERSE MODE OPERATION, AN OPERTURE IS FITTED INTRA-CAVITY. ENERGY 80 MJ GUARANTEED. BEAM SIZE 6 MM, BEAM DIVERGENCE <1.5 MRAD	1.00	EA		
4.000	GMS3 GAS MIXING STATION	1.00	EA		

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<u>Item</u>	<u>Description</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit Price</u>	<u>Total</u>
5.000	<p>FOR MIXING UP TO THREE COMPONENT GASES, COMPRISING THREE INDEPENDENT FLOW METERS. TAMU WILL SUPPLY GAS CYLINDERS WITH TWO STAGE PRESSURE REGULATORS.</p> <p>GTO GRATING TUNED OPTION</p> <p>COMPRISES DIFFRACTION GRATING IN PLACE OF THE TOTAL REFLECTOR AND A BROADBAND OUTPUT COUPLER. MICROMETER CONTROL OF WAVELENGTH USING NEW ULTRO-LOW BACKLASH GRATING CONTROL MECHANISM, AND 60 LINES ARE SELECTABLE WITH 50 MJ ON THE STRONGEST LINES (WITH THE TEM00 OPTION). THE NEW LOW BACKLASH GRATING CONTROL MECHANISM ALLOWS TUNING ACROSS 60 LINES WITHOUT THE NEED FOR OTHER CORRECTIVE ADJUSTMENTS. THE SYSTEM IS MECHANICALLY COMPATIBLE WITH MANY PC CONTROLLED MICROMETERS.</p>	1.00	EA		
6.000	<p>TH2 (MTL-5) TH2 THERMOCIRCULATOR</p> <p>FOR REPETITION RATES >20 MHZ</p> <p>CLOSED CYCLE WATER COOLER AND REGULATOR WITH DIGITAL CONTROLLER FOR +/-0.1C</p>	1.00	EA		
7.000	<p>MTL-5 INSTALL NON-EU</p> <p>MTL-5 LASER INSTALLATION AND TRAINING (OUTSIDE EU COUNTRIES</p> <p>(SEE ADDITIONAL INSTALLATION AND TRAINING INFORMATION LISTED ON BID INFORMATION FORM</p>	1.00	EA		
8.000	<p>Freight Charges to be FOB Destination, Texas A&M University - College Station, Texas 77843-4242. Prepaid and included in the unit cost. All equipment must be fully insured against loss and damage during shipping.</p>	1.00	EA		