Event Summary - Glovebox

Туре	Invitation to Bid	Number	TAMU-ITB-2064
Stage Title	-	Organization	TAMU
Currency	US Dollar	Event Status	Awarded
Work Group	TAMU	Exported on	3/20/2020
Exported by	Sharon Parks	For Requisition	129458263
Created Document	130430343	Estimated Value	88,000.00 USD
Payment Terms	-		

Bid and Evaluation

Respond by Proxy	Allow	Use Panel Questionnaire	No
Sealed Bid	Yes	Auto Score	No
		Cost Analysis	No
Alternate Items	No		

Visibility and Communication

Visible to PublicYesEnter a short description for this public eventGlovebox

Commodity Codes

None Added

Event Dates

Time Zone	CDT/CST - Central Standard Time (US/Central)
Released	-
Open	2/26/2020 12:00 AM CST
Close	3/4/2020 2:00 PM CST
Sealed Until	3/4/2020 2:00 PM
	Show Sealed Bid Open Date to Supplier
Q&A Close	3/3/2020 10:00 AM CST

Description

Glovebox

Stage Description

No description available.

Questions

Questi		e is ivequired
Page 1 Group 1		
1.1	Delivery Terms: Quote delivery time, upon receipt of each order Text (Multi-Line)	*
1.2	Prepaid and Included in the unit cost. All equipment must be fully insured against loss and damage during shipping.	*
	Yes/No	
1.3	Please provide Export Classification under United States Export-Controlled Regulation. If items are Export Controlled please provide ECCN and HTS numbers. UML category for ITAR items.	*
	Text (Multi-Line)	
1.4	Custom Charges - If TAMU is responsible for any applicable US Custom Charges. Dropdown List (Pick One)	*
	Yes No Not Applicable	
1.5	If Custom Charges apply, please list what are they? Text (Multi-Line)	*
1.6	Additional Charges - Shall be outlined here in: any additional charges not specified in this invitation for bid shall become the responsibility of the vendor.	*
	Text (Multi-Line)	
1.7	Educational Discount: Provide any or all applicable discounts on the items listed. Text (Multi-Line)	*
1.8	Vendor Contact Information: Name, Phone and fax number and email address of the individual who will be servicing this account.	*
	Text (Multi-Line)	
1.9	If you are registered on the Central Master Bidders List, select your ethnicity and gender.	*
	Multiple Choice (Pick One)	
	Asian - Male Asian-Female Black-Male Black-Female Hispanic-Male Hispanic-Female Women Owned	
	Disabled Veteran Non-Hub Native Indian-Male Native Indian-Female	
1.10	If vendors terms and conditions differ is the following language ok to use? Where TAMU terms and conditions differ from those of the vendor the vendors terms shall be enforceable only to the extent allowed by the laws of The State of Texas. Yes/No	*
1.11	Please complete the W9 & Direct Deposit form located in the Buyers attachments. Once you have completed the entire form, you will need to upload the finished form. File Upload	*

Product Line Items

Group	P1					
#	Item Name, Commodity Code, Description	Qty.	UOM	Target Price	Allow Alternates	Requested Delivery
P1.1	ANGO450 Base System (Advanced PC/PLCAutomation)Sy ★ stem Frame and Enclosure	1	EA - Each	-		-
	 41100000 - Laboratory and PC/PLC Automation) Syste Built on a powder-coated with a compact footprint Access to the cabinet is p and swing-out panels Vacuum Chamber 400mmW×400mmD×500m box chamber Glass bead blast finish or Hinged chamber front doo Large viewport offset to re One set removable stainle Safety and Certifications Field evaluated to meet C A detailed safety, alert an protect users as well as the The interlock system is a interlocks managed with a safety rated relay as well a A 3-light beacon provides 	em Frame solid wel provided t m H: SUS n chambe or for eas educe ma ess steel CSA SPE d interloce e equipm complete separate s a set o	e and Enclosure ded steel enclos shrough removab 304 high vacuum er surfaces sy internal access aterial deposition debris shields -1000 certification ck system helps ent e set of hardware safety circuit on f software interloo	ure le n cks	IGO450 Base Sy	vstem (Advanced
P1.2	System Control with Aeres	1	EA - Each	-		-
	 41100000 - Laboratory and PC control station with W on an industrial PLC Angstrom Aires software deposition control built on . Aeres provides you with delement of your deposition A single complete recipe flows deposition source consistency from run to run Aeres will accelerate your tight process control and consistency from run to run Aeres will accelerate your tight process is well With Aeres you will be ab materials and let the maching The system provides an a manual mode Includes a robust user ac security and access levels Remote connectivity avail training and diagnostic sup Efficient power managem 	indows 1 for unifie NET fran complete process that cont ntrol and ntegratio and fror process consistence controlle le to loace ine run th auto-sequ count sys lable on a port	0 Professional ru d machine and nework control over each rols pressure, ga fixturing. n improves proce development the development the development the development the development the development and explore and ensure the development and stem with various	inning h s ess rough at an	stem Control wit	h Aeres
P1.3	Upgrade for Glovebox +	1	EA - Each	-		-
	 41100000 - Laboratory and Adds sliding door for direct Hinged rear access door the room side 	ct mounti	ng to a glovebox		ograde for Glovel	oox Integration
	Pator HPV-1300Z					

41100000 - Laboratory and scientific equipment | 5751 <\$5k, 8422 / Pator HPV-1300Z hybrid bearing turbopump Inlet Flange:ISO 200 / CF 200 Pumping Speed L/S (N):1,300 Compression Ratio (N):> 10/9 Compression Ratio (H):1 x 10/3 Ultimate Pressure (mbar):10-9 Startup Time (min):6 Rotational Speed (rpm):24,000 Orientation: Any Backing Pressure (mbar):1.5 Outlet Flange:KF40 Weight (lb):64 Controller Input Voltage:220V Pator TRP-36 Rotary P1.5 EA - Each Vane 10 cfm Vacuum 1 Pump 41100000 - Laboratory and scientific equipment | 5751 <\$5k, 8422 / Pator TRP-36 Rotary Vane 10 cfm Vacuum Pump 1.Excellent ultimate vacuum and pumping speed. 2.Low noise and vibration. 3.Displacement Speed: 540L/min 50Hz 640L/min 60Hz 4. Without gas ballast Patial pressure: 4×10-4Mbar 5.Inlet Port: 25/40KF Water Cooled P1.6 **Resistive Thermal** EA - Each 4 ╈ Evaporator 41100000 - Laboratory and scientific equipment | 5751 <\$5k, 8422 / Water Cooled Resistive Thermal Evaporator Useful for removing excessive heat during very high temperature and long duration depositions Priced per feed through (2 are required per source) Power supply thermal P1.7 2 EA - Each evaporation 41100000 - Laboratory and scientific equipment | 5751 <\$5k, 8422 / Power supply thermal evaporation Phase-angle fired, SCR controller with soft-start 0-100% adjustable voltage/power output Over-current trip response within 10 ms of event Near 1 second ramp-up of SCR control signal reduces cold start surge Local and remote setpoint control Bar graph display on front panel shows level of control signal to SCR Optional RS-232 interface for remote PID control Output Power: 2kW Input Voltage: 120 VAC / 240 VAC Input Current: Up to 20 amps Output Current: Up to 20 amps P1.8 EA - Each Source Shutter 4 * 41100000 - Laboratory and scientific equipment | 5751 <\$5k, 8422 / Source Shutter Automatic process controlled pneumaticshutter Uses a high quality magnetic fluid rotary feedthrough Point Source Evaporator Deposition P1.9 Δ EA - Each Sources for Organic Materials 41100000 - Laboratory and scientific equipment | 5751 <\$5k, 8422 / Point Source Evaporator Deposition Sources for **Organic Materials** LED-03 Evaporator Deposition Sources • Temperature PID Controller with control to ±0.1°C • 3cc crucible with a 1cc charge capacity High purity alumina crucible included, liners sold separately • Temperature range0-600°C Control source via temperature or deposition rate P1.1 LTE Series Power 4 EA - Each ╈ 0 supply

	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / LTE Series Power supply Type-K thermocouple input connectors standard (others available) Digital temperature and setpoint Phase-angle fired SCR output Integrated current transducer RS-232 interface for remote PID control Output Power:200W Input Voltage:120/240 VAC Output Voltage:12 V Input Current:2 amps @ 120 VAC/1 amp @ 240 VAC
P1.1 1	Thin Film Deposition \star 1 EA - Each
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Thin Film Deposition SQM-160 Thin Film Deposition Monitor Thickness and rate:± 0.37 Å Power:100-120/200-240 VAC, 50/60 Hz, 20 W The sensor is mounted to a rigid bracket to prevent loss of calibration if accidentally moved The sensor is water-cooled to improve reading accuracy
P1.1 2	Masking Capable Substrate Stage ★ 1 EA - Each Assembly
	 41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Masking Capable Substrate Stage Assembly Precision dowel pins for substrate transfer and mask alignment Suitable for 100mm x 100mm or Ø150mm or smaller pieces Custom sample holders available upon request Source to substrate distance varies with configuration 0-50 RPM continuous rotationcapability
P1.1 3	Split 2-Piece Substrate \star 1 EA - Each
	 41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Split 2-Piece Substrate Shutter Automatic process controlledpneumatic shutters Uses high quality magnetic fluid rotary feedthroughs α-2400U Standard (2400-4port) Glovebox with gas purifition Glove box All-welded 2400mm wide x 900mm high x 760mm deep-Type 304
	Stainless Steel Two Equipped with 9 3/4â€butyl gloves,designed to seal aroune 9â€ aluminum alloy glove port Two adjustable shelves mounted on back walls Two 0.3 μm HEPA dust filters installed on purifier inlet and outlet Four standard feedthroughs on back wall sealed by blank KF-40 caps; One electrical feedthrough (3-4 outlets) included Casters for easy moving and fixed levelers to level and stablize the glovebox Front panel with LED lighting for Lighting leak rate:<0.05vol%/h

	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Gas Purification 1 H2O/O2 purifier column Attainable purity:H2O<1ppm ,O2<1ppm Designed to maintain2&H2O.Capacity of 20 liters of O2&2.6kg of moisture before regeneration. Lindy Molecular Sieve,and BASF R3-11 Copper Catalyst. Energy efficient on-demand auto-circulation; Impurity levels < 1 ppm Edwards RV12 Rotary Vane
	Mechanical vacuum pump; pump speed 10 cfm; oil mist filter included Microprocessor Control System
	Includes self diagnostics, self start up after power failure, pressure controls, automatic adjustable Regeneration control, circulation control, password protection, O2&H2O read out, integrate with freezer, vacuum ovens, vacuum chamber controls.L.C.D. display Automatic pressure control system +/- 15mbar inside the box
	Circulation 0-60 CFM continuously variable blower, with vibration control. Pressure tested stainless steel enclosure.KF-40 Fittings.
	Chamber 1 Vacuum chamber made of stainless steel Dia.360mm, Length=600mmï¼OEright side 1 Minichamber Dia.100mm, length 300mmï¼OEright side
	External Pressure Control Foot Pedal available to control Gas and Vacuum
	Caster/leveling System All in one free spinning casters ,with Adjustable leveling feet.
P1.1 5	T Type Chamber \star 1 EA - Each
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / T Type Chamber 1 T Type Vacuum chamber made of stainless steel Dia.360mm, Length=700mm 1 T Type Minichamber Dia.100mm, length 300mm right side
P1.1 6	Upgrade for Solar Simulators Test ★ 1 EA - Each Windows
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Upgrade for Solar Simulators Test Windows At the bottom of the Glovebox α-1200U Standard (1200-2port) Glovebox with gas purifition Glove box All-welded 2400mm wide x 900mm high x 760mm deep-Type 304 Stainless
	Steel Two Equipped with 9 3/4"butyl gloves,designed to seal aroune 9" aluminum alloy glove port Two adjustable shelves mounted on back walls
	Two 0.3 μm HEPA dust filters installed on purifier inlet and outlet Four standard feedthroughs on back wall sealed by blank KF-40 caps; One
	electrical feedthrough (3-4 outlets) included Casters for easy moving and fixed levelers to level and stablize the glovebox
	Front panel with LED lighting for Lighting leak rate:<0.05vol%/h
P1.1 7	Gas Purification + 1 EA - Each

	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Gas Purification 1 H2O/O2 purifier column Attainable purity:H2O<1ppm ,O2<1ppm Designed to maintain2&H2O.Capacity of 20 liters of O2&2.6kg of moisture before regeneration. Lindy Molecular Sieve, and BASF R3-11 Copper Catalyst. Energy efficient on-demand auto-circulation; Impurity levels < 1 ppm Edwards RV12 Rotary Vane Mechanical vacuum pump; pump speed 10 cfm; oil mist filter included
	Microprocessor Control System Includes self diagnostics,self start up after power failure,pressure controls,automatic adjustable Regeneration control, circulation control, password protection, O2&H2O read out, integrate with freezer,vacuum ovens, vacuum chamber controls.L.C.D. display Automatic pressure control system +/- 15mbar inside the box
	Circulation 0-60 CFM continuously variable blower, with vibration control. Pressure tested stainless steel enclosure.KF-40 Fittings. Chamber 1 Vacuum chamber made of stainless steel Dia.360mm, Length=600mm Iright
	side 1 Minichamber Dia.100mm, length 300mm 🗆 right side
	External Pressure Control Foot Pedal available to control Gas and Vacuum
	Caster/leveling System All in one free spinning casters ,with Adjustable leveling feet.
P1.1 8	Upgrade for Spin \star 1 EA - Each
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Upgrade for Spin Coater Integration At the bottom of the Glovebox Integration
P1.1 9	Solvent Removal \star 2 EA - Each
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Solvent Removal System The Glove Box shall have an activated carbon based solvent removal system. A minimum of five (5) kg carbon reagent capacity is required to ensure steady operation with minimum maintenance. The solvent removal system shall have an isolation valve, evacuation capabilities, and a vacuum gauge to allow for changing the solvent removal reagent without contaminatin the glove box atmosphere.
P1.2 0	OXY-XT-Z1000, Glovebox Zirconia, ★ 2 EA - Each Trace PPM Oxygen ★ 2 EA - Each Aanlyzer
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / OXY-XT-Z1000, Glovebox Zirconia, Trace PPM Oxygen Aanlyzer
P1.2 1	Michell Instruments Easidew 34 Dew Point ★ 2 EA - Each Transmitter
	41100000 - Laboratory and scientific equipment 5751 <\$5k, 8422 / Michell Instruments Easidew 34 Dev Point Transmitter Measures absolute content of water vapor within an inert environment. Displays in ppm, and dew point.PLC integrated (enables auto-circulation of the purifier)
P1.2 2	Edwardsvacuum RV12, Dual Stage High Capacity Vacuum ★ 2 EA - Each Pump with Fittings, 110/220V, 50/60 Hz

	41100000 - Laboratory High Capacity Vacuum Pump with Fitt 21.0 cfm vacuum pump	ings,	110/220\	/, 50/	60 Hz	ik, 8422 / Edwardsvacuum RV12, Dual Stage
P1.2 3	Box auto purging system	*	2	EA -	Each -	-
	41100000 - Laboratory Unit for inerting (purging Operation: via operation PLC-controlled Flow rate: max. 200 l/m valve for reduction of th Functions: - Purging ON / OFF - Max. purging time pro The O2 and H2O conce (if sensors are installed	g) of n par in; in e ga gram entra	the works liel of the g licl. manua s flow imable (0-	pace gas p al reg -999	with inert gas urifier Valves ulation nin)	sk, 8422 / Box auto purging system
P1.2 4	Automatic antechamber control	*	3	EA ·	Each -	-
	41100000 - Laboratory Main antechambers, pro Programable antecham - Auto control of cycles - intermediate vacuum - ultimate vacuum	essu ber d	re control cycles:	equip led.	ment 5751 <\$5	ik, 8422 / Automatic antechamber control
P1.2 5	EZ4 Spin Coater	*	1	EA ·	Each -	-
	41100000 - Laboratory With its small footprint, a fume hood or a glove Max Spin Speed:10,000 Speed Resolution:1 RP Max Spin Time:3,000 S Time Resolution:1 S Chuck diameter:5 incher requirement) Power:100-120V,1 Pha Phase,200W(220V)	the s box.) RP M es (ad	pin coate M ccording t	r can o cus	be installed in tomer's	ik, 8422 / EZ4 Spin Coater
P1.2 6	On-site installation and training	*	1	EA ·	Each -	-
	41100000 - LaboratoryIncludes system start-2-Day operation and n	up				ik, 8422 / On-site installation and training
P1.2 7	All Inclusive Warranty				Each -	-
	 41100000 - Laboratory Any defects will be repshipping to and from the The warranty period o months from the shipme Lifetime telephone and Telephone and email 	oaire e cus f 12 ent d onl	d or repla stomers si months fro ine suppo	ced a te om a ort is i	t no cost includii cceptance at site ncluded	e or15
P1.2 8	Shipping	*	1	EA ·	Each -	-
	41100000 - Laboratory	and	scientific	equip	ment 5751 <\$5	ik, 8422 / Shipping

Service Line Items

There are no Items added to this event.