Event Summary - Pressure Volume Temperature Cell & Cylinders

Туре	Invitation to Bid	Number	02QATAR-ITB-2151
Stage Title	-	Organization	TAMU
Currency	US Dollar	Event Status	Awarded
Work Group	TAMU-Qatar	Exported on	5/5/2020
Exported by	Patricia Winkler	For Requisition	130095616
Created Document	-	Estimated Value	612,007.14 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 Public No

Commodity Codes

None Added

Event Dates

Time Zone	CDT/CST - Central Standard Time (US/Central)
Released	-
Open	4/8/2020 12:00 AM CDT
Close	4/15/2020 2:00 PM CDT
Sealed Until	4/15/2020 2:00 PM
	Show Sealed Bid Open Date to Supplier
Q&A Close	4/15/2020 2:00 PM CDT

Description

Texas A&M University at Qatar is seeking bids for Educational Pressure Volume Temperature (PVT) Cells and Testing Cylinders.

Attention Bidders:

Texas A&M, Procurement Services is transitioning to an E-commerce system for all invitation for bids and purchase orders. We are asking all vendors to take a few moments and register as one of our vendors. This will allow you to respond to our bid invitations electronically as well as view other bid opportunities. Please visit the following website to register:

https://bids.sciquest.com/apps/Router/PublicEvent?CustomerOrg=TAMU

All invitation for bid documents not submitted electronically via the AggieBid system will only be accepted via the following methods:

-Email - tamuaggiebid@tamu.edu

-Express Mail (FedEx, UPS, etc.)

-US Postal Service

-Hand Delivered

All invitation for bid documents not submitted electronically via the AggieBid system must be returned on our form.

As a bidder responding to this invitation upon submission of your response, regardless of the format of your submission, you and the entity you represent are agreeing to the terms and conditions presented here as well as the TAMU terms and conditions located at http://purchasing.tamu.edu/media/123743/bidtamu.pdf

Physical Address:

Texas A&M University Procurement Services Agronomy Road College Station TX 77843-1477 Fax - 979-845-3800

NOTE: If responding manually, please submit with your bid response a W9. This will allow us to enter your company into our bid system and include your response on the electronic tabulation.

Stage Description

No description available.

Prerequisites

1 ★ Instructions To Supplier :

Please acknowledge that additional terms and conditions have been reviewed

Certification

I certify that I have read and agree to the terms above. **Supplier Must Also Upload a File:** No **Prerequisite Content:** No Substitutions will be accepted

Award

In accordance with Texas Education Code 51.9335, Texas A&M University shall make the award based on, but not limited to, the following best value criteria:

- The purchase price;
- The reputation of the vendor and of the vendor's goods or services;
- The quality of the vendor's goods or services;
- The extent to which the goods or services meet the institution's needs;
- The vendor's past relationship with the institution;
- The impact on the ability of the institution to comply with laws and rules relating to historically underutilized businesses and to the procurement of goods and services from persons with disabilities;
- The total long-term cost to the institution of acquiring the vendor's goods or services;
- Any other relevant factor that a private business entity would consider in selecting a vendor; and
- The use of material in construction or repair to real property that is not proprietary to a single vendor unless the institution provides written justification in the request for bids for use of the unique material specified.

Other relevant factors deemed necessary to evaluate the offer and determine the best value for the University:

- Vendor's ability to meet the minimum specifications;
- Delivery requirement;
- The quality, availability and adaptability of equipment offered to required application.
- -Acceptance of payment terms;

By submitting a bid in response to this solicitation, bidder agrees to the selection and award process, and accepts Texas A&M University's judgment and decision of award. Texas A&M reserves the right to accept or reject any or all bids, waive informalities and technicalities, and accept the offer considered the most advantageous to the University. The decision by Texas A&M University is final

Buyer Attachments

Detailed Specifications

02Qatar-ITB-2151.docx

../Attachments/02Qatar-ITB-2151.doc x

TAMU Standard Terms & Condition

http://purchasing.tamu.edu/media/123 743/bidtamu.pdf

Questions

Page 1 Group 1		
1.1	Payment Terms - Quote 100% Net 30 Upon Receipt, Installation and Acceptance. If quoting as specified, type "Agreed" in the required field. If quoting otherwise, indicate here-in. Text (Single Line)	*
	INDICATE CURRENCY QUOTED:	
	NON-QATAR VENDORS, please bid in your local currency (bank account currency).	
1.2	FOR QATAR VENDORS, please bid in Qatari Riyals (QAR).	*
	Currency Quoted*:	
	*Indicate USD, QAR, GBP, EUR, etc. Text (Single Line)	
1.3	Delivery Terms: Quote delivery time, upon receipt of each order Text (Single Line)	*
1.4	Shipping Terms - indicate incoterm offered Text (Single Line)	*
1.5	Indicate Warranty Terms Offered Text (Single Line)	*
1.6	Vendor to indicate contact person and contact phone and fax numbers where orders are to be placed: Contact: Telephone Number: Fax Number: Email: Text (Multi-Line)	*

Product Line Items

Group P1

#	Item Name, Commodity Code, Description	Qty.	UOM	Target Price	Allow Alternates	Requested Delivery
P1.1	Educational PVT ★	5	SET - Set	-		-
	41112500 - Liquid and ga CELL, per detailed specifi		asuring and obse	rving instru 5751	<\$5k, 8422 / Edı	ucational PVT
P1.2	Spare Parts & ★ Consumables	4	SET - Set	-		-
	27121601 - Cylinder pisto Specifications	ns 5753 ·	<\$5k, 8425 / Spa	are Parts & Consum	nable Items, per	Detailed
P1.3	Set of Tools	1	SET - Set	-		-
	27121601 - Cylinder pisto	•		of Tools, per Detai	led Specification	S
P1.4	Tables with Rolls	-	SET - Set			-
	27121601 - Cylinder pisto			les with Rolls, per	Detailed Specific	ations
P1.5	Training +		LO - Lot	- Training nor Dotail	ed Specification	-
P1.6	78101502 - International a Installation ★	-	LO - Lot	rraining, per Detail	eu Specifications	5
0.1	Installation +	-		-		-
	High Proceure Diston	•				
P1.7	Sample Cylinder	2	EA - Each	-		-
	High Pressure Piston San	nple Cylind	ler, per Detailed	Specifications		
P1.8	Carrying Case 🛛 🔸	2	EA - Each	-		-
	Carrying Case for High Pr		ston Sample Cyli	nder, per Detailed	Specifications	
P1.9	Redress Kit 🔸	_	EA - Each	-		-
	Redress Kit for High Press	sure Pistor	n Sample Cylinde	er, per Detailed Spe	ecifications	
P1.1)	Workshop Tools 🛛 🛧		SET - Set	-		-
	Workshop Tools, per Deta	ailed Speci	fications			
⊃1.1 1	Lightweight Piston Sample Cylinder ★	1	EA - Each	-		-
	Lightweight Piston Sample	e Cylinder,	per Detailed Sp	ecifications		
⊃1.1 2	Carrying Case	1	EA - Each	-		-
	Carrying Case for Lightwe	ight Pistor	n Sample Cylinde	er, per Detailed Spe	ecifications	
⊃1.1 3	Redress Kit 🔸	1	EA - Each	-		-
	Redress Kit for Lightweigh	nt Piston S	ample Cylinder,	per Detailed Specif	ications	
⊃1.1 1	Lightweight Piston Sample Cylinder	2	EA - Each	-		-
	Lightweight Piston Sample	e Cylinder,	per Detailed Sp	ecifications		
⊃1.1 5	Carrying Case 🔸	2	EA - Each	-		-
	Carrying Case for Lightwe	ight Pistor	n Sample Cylinde	er, per Detailed Spe	ecifications	
P1.1	Redress Kit	2	EA - Each	-		-
	Redress Kit for Lightweigh	nt Piston S	ample Cylinder,	per Detailed Specif	ications	
P1.1 7	Workshop Tools	1	EA - Each	-		-
	Workshop Tools for Lightw	veight Pist	on Sample Cylin	der, per Detailed S	pecifications	
⊃1.1 3	Shipping and Handling \star	1	LO - Lot	-		-

Shipping and Handling - Indicate incoterm offered and estimated shipping cost. Include cost for Commercial Invoice & Certificate of Origin stamped by Chamber of Commerce

P1.1 9 Education Discount 1 LO - Lot

Quote any/all Education Discounts applicable. NOTE: The system will not allow a negative number, please input 0.00 in the unit price, then in the comments indicate the discount amount offered.

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Service Line Items

There are no Items added to this event.

Price Components

There are no Price Components added to this event.





Reference AggieBid # 02QATAR-ITB-2151 EDUCATIONAL PRESSURE VOLUME TEMPERATURE CELL & CYLINDERS

Item #	Item & Description	Qty	Unit	Unit Price (USD)	Extension	Delivery (Days)
	Texas A&M University at Qatar is seeking bids for Educational Pressure Volume Temperature (PVT) Cells and Testing Cylinders.					
	Upon award, item will be for use and delivery to the Texas A&M University at Qatar campus located in Doha, Qatar.					
	Shipping Terms for Non Doha vendors: Incoterm - DAP (Delivery at Place), Vendor will deliver the goods DOOR-TO-DOOR to TAMUQ excluding Duties & Taxes and Including Custom Clearance. TAMUQ is responsible for Duties, Taxes, Legalization and Bayan.					
	Shipping Terms for Doha vendors: Incoterm - DDP (Delivery Duty Paid), Vendor will deliver the goods DOOR-TO-DOOR to TAMUQ including Duties, Taxes and Customs Clearance. No additional charge will to T AMUQ.					
	For shipping terms DDP: Qatar Customs have implemented an automated electronic clearance process called "Single Window" and all incoming shipment will be subject to BAYAN & Admin Charge. For shipping terms DDP, all customs chargers will be borne by the vendor. TAMUQ will not be responsible for these charges with your shipping agent					
	For any shipping related concerns, please contact: <u>shippingreceiving@qatar.tamu.edu</u>					
	 PLEASE NOTE (for reference only): Qatar Customs requires ALL original shipping documents (depending on which shipment mode) as per below list. Please check and confirm with your shipping agent if these documents are required to be provided to their local clearing agent to clear the shipment from Qatar Customs: Original Certificate of Origin stamped from 					

1477 TAMU P.O. Box 30013 College Station, TX 77842-3013

Tel. 979.845.5887 Fax. 979.845.3800 http://purchasing.tamu.edu

	 Original Commercial Invoice stating each item (price/original made/quantity) stamped from Chamber of Commerce Packing List Airway Bill All information MUST be the same on each of the above documents. If information is different, the shipment will not clear Qatar Customs. Payment Terms: 100% Net 30 upon receipt of goods, invoice, completion of installation, acceptance, whichever is later. ************************************				
1.0	EDUCATIONAL PVT CELL				
1.1	EDUCATIONAL PVT CELL - Educational Fluid Eval The educational Fluid Eval is a compact PVT cell designed for small volume PVT, thermodynamic properties and phase behavior studies of black oil and gas condensate samples. The PVT cell is composed of an efficient fluid mixer mounted on the piston, a dedicated visual head, two sampling valves, an accurate pressure transducer and an electric heater enabling a homogeneous temperature control. A digital camera system monitors the liquid/gas interface through the sapphire windows. During differential vaporization or flash liberation, the removal of the gas phase is facilitated by the full visibility of the gas/oil interface through the cell window. For oil studies, the cell is in an upright position, and is inverted for gas condensate experiments. Operating conditions: Pressure	5	SET		

SC	OPE OF SUPPLY:			
The	e educational Fluid Eval analyzer includes:			
	1. High-pressure, high temperature PVT cell			
	2. Video camera system			
	3. High-pressure pump			
	4. Data acquisition system			
	4. Data acquisition system			
1.	High-pressure, high temperature PVT cell:			
	The educational Fluid Eval is a compact PVT cell			
	designed for small volume PVT, thermodynamic			
	properties and phase behavior studies of black oil			
	and gas condensate samples, in a cost effective			
	manner. The PVT cell is composed of a stainless			
	steel high-pressure high- temperature vessel enclosed			
	at one end by a piston and at the other by a dedicated			
	head with a see-through window and a sampling			
	valve situated at its top. The cell architecture along			
	with a digital camera permits an observation of fluid			
	behavior inside the cell. A magnetically driven stirrer			
	provides a thorough homogenization. During			
	Differential Vaporization and Flash tests, the isobaric			
	removal of the gas phase from the cell is facilitated			
	by the full visibility of the gas/oil interface through			
	the sapphire windows. This system permits the			
	complete removal of the gas phase while maintaining			
	a liquid equilibrium. Additionally, an electric heating			
	mantle is supplied to control the cell temperature.			
2.	Video camera system:			
	A high-resolution camera with an integrated zoom			
	and back lighting is installed in the rear side of the			
	cell window. Connected to the computer station, the			
	images of the fluids are displayed and recorded. The			
	video software has a built-in automatic gas-liquid			
	interface detection module. This is particularly useful			
	when studying gas condensates.			
	Features:			
	Measurement resolution 0.02 mm			
	Minimum field of view 20 mm			
	Operating temperature range $0 - 40^{\circ}$ C			
	CDD colour camera			
	Lighting			
3.	High-pressure pump:			
	A brushless DC motor-driven piston pump generates			
	and maintains the required pressure regime in the			
	PVT cell. Low friction seals around the piston			
	greatly contribute to the pump efficiency.			
	Features:			
	Maximum pressure 15,000 psi			
	Flow rate			
	Volume			
	Volume accuracy 0.01 cc			
				I
	Material Stainless steel			

	 4. Data acquisition system: The computer workstation consists of a state-of-the- art personal computer with the latest Microsoft Windows operating system and a proprietary software developed by Vinci Technologies specifically for this application. This software, for data acquisition and system control, uses intuitive and interactive icons that make the system user- friendly and easy to operate. Features : Portable Personal computer Microsoft Windows package Supervision package Microsoft Windows package PVT software for data acquisition, supervision and reporting facilities Acquisition of measurements such as temperature, pressure, and volume Continuous display of measurements vs. time in the form of trends and value grids. Display image of the fluid phase behaviour Measurement logging in the computer for further analyses. Supervision module displaying the general synoptic of the system and indicating the status of each component, parameter value, and set points. Computer controlled fault diagnoses. Monitoring modules to operate the equipment manually. Through these, the states of the components can be modified. Documentation: Operation and maintenance manuals Technical specifications Main component data sheets General wiring drawing Spare parts lists 				
1.2	 Spare Parts and Consumable Items 10 ea. Pump seal kits 10 ea. PVT cell o rings 10 ea. PVT cell back up rings 5 ea. Window o rings 5 ea. window back up rings 5 ea. piston o rings 5 ea. piston back up rings 12 m of tubing 1/8" 	4	SET		
1.3	 Set of Tools 1 ea. Maintenance tools (alen key, wrench, screw drivers) 1 ea. manual pump (20-ml,1000psi) 	1	SET		

1.4	Tables with rolls for Education Fluid Eval	4	SET		
1.5	Training Factory training for TAMUQ Personnel Duration: 2 days Training shall include a demonstration of the proper operating techniques of equipment ordered and installed. (excludes travel and lodging expenses)	1	LOT		
1.6	 Installation The requested equipment is to be supplied as a complete operational system, set-up and ready for use. Any/all operational/maintenance manuals (in English) shall be provided at time of installation. This project shall be considered a "Turnkey" project that includes all aspects of the installation. Onsite Installation and commissioning 2 Days Includes all travel expenses Includes start-up operations and ensuring that the end-user becomes aware of the necessary adjustments for reliable measurements. During installation, the equipment is tested and commissioned according to the Manufacturer's testing methods and the measurements are checked according to the Manufacturer's recommendations. Final Testing and Acceptance Criteria: The completed installation shall be inspected by Texas A&M – Qatar to assure that all equipment is installed in a professional manner and in accordance with these specifications. The final system testing and demonstration shall be performed after the installation and initial testing has been completed by vendor but prior to any use of the system. Vendor shall ensure that system meets or exceeds performance specifications as per manufacturer criteria. The vendor shall repair and make good any damage to the area resulting from any of their operation.	1	LOT		

2.0	Insurance RequirementThe successful vendor will, at its sole cost and expense, acquire and maintain in effect during the period of the Agreement, general and professional liability insurance and any employee compensation insurance as may be · required by the laws of the country in which the successful vendor is organized.Bidders shall submit a copy of insurance certificate with bid response for review by System Office of Risk Management with bid response.TESTING CYLINDERS				
2.1	High Pressure Piston Sample Cylinder; HPP 1000-15 - The HPP series sample cylinder designed for the storage and transportation of reservoir fluid samples. The latter is isolated from the hydraulic driving fluid by a floating piston that, by virtue of its design minimizes friction and reduces pressure load. Cylinders are fitted with a single inlet needle valve for the hydraulic driving fluid and a double inlet needle valve for the fluid sample. On the sample side, the piston incorporates a hemispherical groove to accommodate a spherical ball for agitation and optimize the dead volume. An evacuation port nipple and plug enable cylinder evacuation prior to fluid transfer. Valves are protected by end-caps from handling and transportation related damage. Specifications: Model HPP 1000-15 Capacity 1000 cc Filling pressure 15,000 psi Working temperature Up to 150 °C Construction Stainless steel Length 970 mm 88 mm Weight 27 kg Thread connection	2	EA		
2.2	Carrying case	2	EA		
2.3	Redress kit for sample cylinder - 1 ea. Wear ring - 8 ea. Back up ring - 5 ea. O ring - 1 ea. circlip - 2 ea. valve repair kit	2	EA		

2.4	Workshop tools - 1 ea. Circlip plier - 1 ea. Piston puller tool - 1 ea. pin spanner - 1 ea. Gasket removal tool - 1 ea. Alen keys set - 1 ea. O.E spanner ½' - 1 ea. O.E spanner 17 mm - 1 ea. vacuum nipple (Autoclave 1/8") - 1 ea. sample valve adapter	1	SET		
3.0	 1 ea. sumple valve datapter 1 ea. evacuation adapter c/w O-ring Lightweight Piston Sample Cylinder; Cylight 650 The cylight series sample cylinder is an incredibly lightweight titanium double end floating piston type cylinder designed for the storage and transportation of reservoir fluid samples. The latter is isolated from the hydraulic driving fluid by a floating piston that, by virtue of its design minimizes friction and reduces pressure load. Cylinders are fitted with a single inlet needle valve for the hydraulic driving fluid and a double inlet needle valve for the fluid sample. On the sample side, the piston incorporates a hemispherical groove to accommodate a spherical mixing ball for agitation and optimize the dead volume. Specifications: Model	1	EA		
	 Filling pressure				
3.1	Carrying case	1	EA		
3.2	Redress kit for sample cylinder - 1 ea. Wear ring - 6 ea. Back up ring - 3 ea. O ring - 2 ea. Valve repair kit	1	EA		

4.0	 Lightweight Piston Sample Cylinder; Cylight 1000 The cylight series sample cylinder is an incredibly lightweight titanium double end floating piston type cylinder designed for the storage and transportation of reservoir fluid samples. The latter is isolated from the hydraulic driving fluid by a floating piston that, by virtue of its design minimizes friction and reduces pressure load. Cylinders are fitted with a single inlet needle valve for the hydraulic driving fluid and a double inlet needle valve for the fluid sample. On the sample side, the piston incorporates a hemispherical groove to accommodate a spherical mixing ball for agitation and optimize the dead volume. Specifications: Model	2	EA		
4.1	Carrying case	2	EA		
4.2	Redress kit for sample cylinder - 1 ea. Wear ring - 6 ea. Back up ring - 3 ea. O ring - 2 ea. Valve repair kit	2	EA		
4.3	 Workshop tools 1 ea. Piston puller tool 1 ea. Gasket removal tool 1 ea. O.E spanner ¹/₂' 1 ea. adjustable wrench 60 mm 1 ea. vacuum nipple (Autoclave 1/8") 	1	EA		
5.0	Shipping and handling* *Please indicate, DDP, DAP, Ex-Works, etc. *Please include cost for Commercial Invoice & Certificate of Origin stamped by Chamber of Commerce	1	LOT		

		LOT			
Indicate Warranty Offered including option for extended warranty:					
Quote any and all Educational Discounts	1	LOT			
Note to Bidders:					
NO Substitutions will be accepted					
Award					
In accordance with Texas Education Code 51.9335, Texas A&M University shall make the award based on, but not limited to, the following best value criteria:					
 The purchase price; The reputation of the vendor and of the vendor's goods or services; The quality of the vendor's goods or services; The extent to which the goods or services meet the institution's needs; The vendor's past relationship with the institution; The impact on the ability of the institution to comply with laws and rules relating to historically underutilized businesses and to the procurement of goods and services from persons with disabilities; The total long-term cost to the institution of acquiring the vendor's goods or services; Any other relevant factor that a private business entity would consider in selecting a vendor; and 					
- The use of material in construction or repair to real property that is not proprietary to a single vendor unless the institution provides written justification in the request for bids for use of the unique material specified.					
Other relevant factors deemed necessary to evaluate the offer and determine the best value for the University:					
 Vendor's ability to meet the minimum specifications; Delivery requirement; The quality, availability and adaptability of equipment offered to required application. Acceptance of payment terms; 					
bfi - ttl - w - pttl fo Co o	usinesses and to the procurement of goods and services from persons with disabilities; The total long-term cost to the institution of acquiring ne vendor's goods or services; Any other relevant factor that a private business entity yould consider in selecting a vendor; and The use of material in construction or repair to real roperty that is not proprietary to a single vendor unless ne institution provides written justification in the request or bids for use of the unique material specified. Other relevant factors deemed necessary to evaluate the ffer and determine the best value for the University: Vendor's ability to meet the minimum specifications; Delivery requirement; The quality, availability and adaptability of equipment ffered to required application.	usinesses and to the procurement of goods and services from persons with disabilities; The total long-term cost to the institution of acquiring he vendor's goods or services; Any other relevant factor that a private business entity yould consider in selecting a vendor; and The use of material in construction or repair to real roperty that is not proprietary to a single vendor unless he institution provides written justification in the request or bids for use of the unique material specified. Other relevant factors deemed necessary to evaluate the ffer and determine the best value for the University: Vendor's ability to meet the minimum specifications; Delivery requirement; The quality, availability and adaptability of equipment ffered to required application.	usinesses and to the procurement of goods and services from persons with disabilities; The total long-term cost to the institution of acquiring he vendor's goods or services; Any other relevant factor that a private business entity yould consider in selecting a vendor; and The use of material in construction or repair to real roperty that is not proprietary to a single vendor unless he institution provides written justification in the request or bids for use of the unique material specified. Other relevant factors deemed necessary to evaluate the ffer and determine the best value for the University: Vendor's ability to meet the minimum specifications; Delivery requirement; The quality, availability and adaptability of equipment ffered to required application.	usinesses and to the procurement of goods and services from persons with disabilities; The total long-term cost to the institution of acquiring he vendor's goods or services; Any other relevant factor that a private business entity yould consider in selecting a vendor; and The use of material in construction or repair to real roperty that is not proprietary to a single vendor unless he institution provides written justification in the request or bids for use of the unique material specified. Other relevant factors deemed necessary to evaluate the ffer and determine the best value for the University: Vendor's ability to meet the minimum specifications; Delivery requirement; The quality, availability and adaptability of equipment ffered to required application.	usinesses and to the procurement of goods and services rom persons with disabilities; The total long-term cost to the institution of acquiring ne vendor's goods or services; Any other relevant factor that a private business entity yould consider in selecting a vendor; and The use of material in construction or repair to real roperty that is not proprietary to a single vendor unless ne institution provides written justification in the request or bids for use of the unique material specified. Other relevant factors deemed necessary to evaluate the ffer and determine the best value for the University: Vendor's ability to meet the minimum specifications; Delivery requirement; The quality, availability and adaptability of equipment ffered to required application.

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