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Appendix 61

PURCHASE ORDER **INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

Supplier : INSTRUMIX SUPPLIER, INC.	P.O. No. : 2018-09-0493 (GFE)
Address : Unit 433/134 CityLand Parong Tamo Tower 2210 Don Chino Rocas Ave. Makati City	Date : September 28, 2018
TIN :	Mode of Procurement : Public Bidding

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : Metrology Building (not later than 4:30 pm)	Delivery Term : 120 days
Date of Delivery :	Payment Term :

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	Set	Supply, Delivery, Installation and Commissioning of One (1) Lot Force Standard Machine-Force Generating Machine Shimadzu Hydraulic Type Universal Testing Machine with Front Loading Hydraulic Grips Maximum Frame; Load Capacity: 100 tons (1,000kN) <u>Standard Features:</u> Enable high-precision force measurement conforming to global standards Provide various automatic control programs as standard functions Capable to perform both at stand alone (LCD Panel) and PC Controlled (Software) Large Colored LCD (10.4 inches) touch panel greatly simplifies operations and enhances visibility Force auto-zero and auto-calibration functions The non-revolving screw rod improves safety Applicable to various tests Enables high-speed test data sampling rate: 1 ms Semi-Auto-Tuning Functions Enables High-Precision Stress Control and Strain Control Compliant with ISO 6892-2009 and JIS Z2241 Metallic Materials Tensile Testing Standards USB Interface (for PC) and Host Interface (for USB Memory) <u>Specifications</u> Maximum Load Capacity: 1,000kN (100 tons) - for Tension and Compression Tensile Test (Operated by Front-Loading Hydraulic Grips) Maximum Grip Span (mm) - 1,000 Grips for rod specimens (mm) - ϕ 12 ~ 70 Grips for plate specimens (mm) - 0 ~ 35 (70mm width) Compression Test (Fixed-Type Compression Plate) Max. Compression Plate span (mm) - 900 Compression Plate Size (mm) - ϕ 160 Machine Specification: Loading speed (60Hz) - 70 max., 2.2 kW Ram stroke (mm) - 250 Crosshead elevation speed (60Hz) 200, (Hydraulic Motor) Post span (mm) - 750 Effective table dimensions (Width x Depth) (mm) - 750 x 750 Power supply capacity (3-phase, 200/220 V, 50/60 Hz) - 7 kVa Recommended breaker capacity (3-phase, 200/220 V, 50/60 Hz - 40A Testing Machine size (width x depth x height) Testing Machine (mm) - 1320 x 800 x 3400 Measurement Control unit - 740 x 1000 x 1800 Testing Machine Weight (kg.) - approx. 2600 Measurement Controller Weight (kg.) - 110 Measurement Control Unit Standard Specifications Loading Method - Computer-controlled electro-hydraulic servo system	1	10,930,000.00	10,930,000.00

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PURCHASE ORDER INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier: <u>INSTRUMIX SUPPLIER, INC.</u>	P.O. No.: <u>2018-09-0493 (GFE)</u>
Address: Unit 433/154 CityLand Puzong Taro Tower 2210 Dor China Road Ave. Makati City TIN:	Date: September 28, 2018 Mode of Procurement: Public Bidding

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: Metrology Building (not later than 4:30 pm) Date of Delivery:	Delivery Term: 120 days Payment Term:
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Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Force Measurement Method - Cylinder Internal pressure measurement with high-precision pressure cell Accuracy standard type - Within $\pm 1.0\%$ of indicated value when the force is 1/1 to 1/250 of rated value (Conforming to JIS B7721 Class 1, ISO 7500/1 Class 1, and ASTM E4) Magnification - Rangeless Force Display Operation Unit - Digital Display - Min. Display Resolution: 1/200,000 Display Unit: N, kN, kgf, tf, lbf Analog Display - Scale plate diameter: 450mm, Min. scale: 1/1000 Stroke Measurement Display Measurement with optical encoder Digital Display resolution: 0.01mm Automatic load control Method - Fully closed loop automatic load control Test Control Functions: -Single Test Control -Cycle test control (Triangular wave, Trapezoidal wave) -Stress test control (compliant with ISO 6892-2009/JIS Z2241) -Strain Test Control (compliant with ISO 6892-2009) -Stroke speed 3-step switching control Range - Ram Stroke Control - Speed Range: 0.1 mm/min to max loading speed -Control Range: Ram return point to max. ram stroke Force control - Speed range: 0.2% to 500% full scale / min -Control range: 0.4% to 100% of full-scale force Strain control - Speed Range: 0.1 to 80% / min -Control Range: 5% to 100% of full-scale elongation Input/output interface - External analog input : 2 CH -External analog output: 2 CH -External Digital Input -Internal amplifiers possible: 2 ports -USB Function (for computer) -Host for USB Memory Interface Standard Functions: Auto-test force-strain control (with auto-tuning) Test force auto-zero function, Test force auto-calibration function Break detecting function (break sensitivity, break level, break peak level, and high sensitivity) Auto-Return function Arbitrary stroke speed setting function Stroke Speed Preset Cycle Count Screen Value Display Displacement value display function PEAK/BREAK value display function			
		TOTAL CARRIED FORWARD			

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier:	INSTRUMIX SUPPLIER, INC.	PO No:	2018-09-0493 (GFE)
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Address : Unit 433/134 Cityland Palace Tower 2210 Don Chino Road, Ave. Makati City Date : September 28, 2018

TIN :	Mode of Procurement :	Public Bidding
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Gentlemen:

Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery : Metrology Building (not later than 4:30 pm)

Delivery Term : 120 days

Date of Delivery :

Payment Term :

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Test Condition Files (100 files) Japanese/English Display S-S Curve Display Specimen Protection Current Speed Setting Manual load control Safety Devices Overload automatic stop function Software Limit Detection Control automatic stop function Emergency stop switch			TOTAL CARRIED FORWARD
set		Accessories for Tension Grip Faces & Compression Head Fabricated jig and connectors needed to attach the load cells to machine as required by the existing and to be procured load cells	1		
		<u>Control and Data Processing Unit for UTM</u>			
set		Trapezium X UH Single Software - Computer Attachment for Control and Data Processing System UTM Control and Data Processing Unit, peripherals & software, English Language Pack Windows 10-based control & data processing software for : Tensile, Compression, etc. Real-Time Data Display Panel Multiple Graph Function: Enables displaying up to 4 graphs With result-statistics function Reports can be output in PDF, Microsoft Word, Excel and HTML Formats Creates random calculation formula using a data processing item or specimen size	1		
		<u>OTHERS</u>			
set		Uninterrupted Power Supply for UTM Heavy Duty and must be able to support machine power requirement (10 kVa) Three-phase with ground 5 minutes back up time with warranty	1		
set		High Performance Laptop Dell XPS 9570 Laptop (with warranty) 8th generation i7 Quad Core Processor (6MB cache, up to 3.8GHz) Windows 10 4k touch resolution 16GB memory, 64-bit OS, HDMI, with SD Card Reader CNC Machine Aluminum Casting 512 PCIe SSD 15.6" UHD (3840 x 2160) Touch Display, Corning Gorilla Glass 4 Nvidia 1050Ti 4GB GDDR5 97 Whr Battery Thunderbolt 3 USB 3.0 Full-size keyboard with backlit Windows 10 64 bit With Laptop Bag	1		

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PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier: **INSTRUMIX SUPPLIER, INC.** P.O. No.: **2018-09-0493 (GFE)**

Address: **Unit 433/134 CityLand Posing Tamo Tower 2210 Don Camilo Roco Ave. Makati City** Date: **September 28, 2018**
TIN: Mode of Procurement: **Public Bidding**

Gentlemen:
Please furnish this Office the following articles subject to the terms and conditions contained herein:

Place of Delivery: **Metrology Building (not later than 4:30 pm)** Delivery Term: **120 days**
Date of Delivery: Payment Term:

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
	set	Branded Enterprise Laser Printer High speed, Black, USB & Wireless Capability with 5 original toner (total of 10 pcs toner)	2	TOTAL CARRIED FORWARD 10,930,000.00	
	set	Dymo Rhino Industrial Type Label maker Model: 5200 (with warranty) with 1-touch "Hot Keys" with Hard Case Kit, with Specs 3/4" rolls Vinyl Labels: Chemical-heat, UV Resistant, and with adhesive with AC adapter Rechargeable Lithium-ion battery and user manual Country of Origin: Japan Warranty Period: Twelve (12) months on parts and service from the time of signing of Acceptance Certificate or fifteen (15) months from date of shipment/delivery whichever comes first	2		
			Less: VAT	487,946.43	
			EWT	97,589.29	585,535.72
					10,344,464.28

End User:

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(Total Amount in Words) Ten million three hundred forty four thousand four hundred sixty four pesos & 29/100.

Conforme:


JANET ACHACOR
Signature over Printed Name of Supplier
Oct. 18, 2018
Date

Very truly yours,


DR. ANNABELLE V. BRIONES
Signature over Printed Name of Authorized Official
Deputy Director, R&D
Designation

Fund Cluster: **Regular Fund**

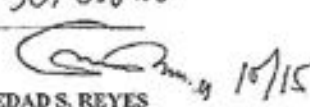
ORS/BURS No.: **2018101633**

Proj. 4: Strengthening the Physical Metrology Capabilities of National Metrology Laboratory

Funds Available: **\$ 10,930,000.00**

Date of the ORS/BURS:

Amount: **\$ 10,930,000.00**


SOLEDAD S. REYES
Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit

015-18-1

