

PURCHASE ORDER

QR-ADMPPS-04

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Trunkline: 837-2071 local 2220 / 2221

17 - 169TT

Supplier:	INSTRUMIX SUPPLIER, INC.	P.O. No.:	GIA-E-144-2017
Address	Unit 433-434 Cityland Pasong Tamo Tower, 2210 Don Chino Roces Avenue, Makati City	Date:	July 12, 2017
		Mode of Procurement:	Public Bidding
(5) PO-08		Resolution No.	PB-2017-014
		PR # 06-2017-0063	ASC # 009-2017

Gentlemen:

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

Place of Delivery:	Metrology Bldg. (not later than 3:00 P.M.)	Delivery Term:	Ninety (90) days		
Date of Delivery		Payment Term:			
Stock No.	Unit	Description	Quantity	Unit Cost	Amount
1	unit	SHIMADZU UNIVERSAL TESTING MACHINE Autograph: Model AGS-500NX (Table Top) <u>Specifications:</u> Load Frame Capacity : 10 kN (1,000 kilograms-Dual Column) Loading Method : Direct, high precision, constant-rate strain control using non-backlash precision ball-screw drive Test Force Measurement Accuracy : Within $\pm 1\%$ of displayed test force for 1/500 ~ 1/1 of the load cell rated capacity Conforms to JIS B7721 Class1, EN 10002-2 Grade 1, ISO 7500-1 Class1, BS1610 Class1, DIN51221 Class1, and ASTM E4 Test Force Calibration : Automatic Calibration - Tensile and Compression Forces Crosshead Speed Range : Free step-less setting 0.001 mm/min~1000 mm/min Maximum return speed : 1500 mm/min Crosshead Speed Precision : $\pm 0.1\%$ Crosshead Speed and Permitted Test Force: Maximum load cell capacity across entire speed range Crosshead-Table Clearance : Max. 1200 mm (Test area height) Effective Test Width : 425 mm Crosshead Position Detection Measurement and Display Methods : Optical encoder measurement , digital display Precision: Within $\pm 0.1\%$ of indicated value or ± 0.01 mm whichever is larger Sampling Speed : 1 ms max. Test Method Files : 40 files (20 files PC Link, 20 files stand-alone controller)	1	1,680,000.00	1,680,000.00

Page 1 of 3 pages

(Total Amount in Words)

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed.

Very Truly yours,

Conforme:

(Signature over printed name)

(Date)

Requisitioning Office/Dept.	Funds Available:	Amount
		ALOBS No. _____

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Stock No.	Unit	Description	Quantity	Unit Cost	Amount
		TOTAL CARRIED FORWARD			1,680,000.00
		<p><i>Standard Functions : *Can perform standard tensile and compression tests on packaging materials, components, and structures</i></p> <ul style="list-style-type: none"> <i>*Automatic reading of load cell characteristic values</i> <i>*Could operate as stand-alone or PC connected</i> <i>*Test force stroke display function, stress display function stroke display function, position display function</i> <i>*External analog outputs (2 channels)</i> <i>*External analog input (2 channels)</i> <i>*External digital input (2 channels)</i> <i>*Automatic Test Force and Stress control (with auto tuning)</i> <i>*Automatic Strain control (with auto tuning)</i> <i>*Test force auto zero / auto calibration</i> <i>*Break detection/ auto return</i> <i>*Load Cell overload detection</i> <i>*Stress value display/extensometer value display</i> <i>*Touch-load detection function</i> <p><i>Dimensions and Weight : Main Frame: 653mm x 520mm x 1603mm</i></p> <p><i>Weight: Approx. 85 kg</i></p> <p><i>Power Requirements : Single phase, 100/120/240 V AC (switching type) 50/60Hz., 1.2 kVA</i></p> <p><i>Power Consumption : 300 W</i></p> <p><i>Voltage Fluctuation : ±10% max</i></p> <p><i>D-Class (100 Ω max.) Grounding Resistance</i></p> <p><i>Installation Environment : Temperature: 5°C-40°C</i></p> <p><i>Humidity: 20%-80% (No condensation)</i></p> <p><i>Vibration: Frequency 10 Hz. Max, Amplitude 5 μ max.</i></p> <p>OPERATIONAL ACCESSORIES</p> <ul style="list-style-type: none"> <i>1 set Load cell: 500N Capacity (Class 1)</i> <i>Accuracy: Within ±1% max. of indicated value</i> <i>Accuracy Range: 1/500 ~ 1/1 of load cell rated capacity (1 N~500 N)</i> <i>Conforms to JIS B7721 Class1, En 10002-2 Grade 1, ISO 7500-1 Class1, BS1610 Class1, DIN51221 Class1, and ASTM E4</i> 			

Page 2 of 3 pages

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(Signature over printed name)

(Date)

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P. 16/17


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Address: Unit 433-434 Cityland Pasong Tamo Tower, 2210 Don Chino Rocas	Date: July 12, 2017.	Mode of Procurement: Public Bidding
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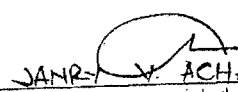
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Stock No.	Unit	Description	Quantity	Unit Cost	Amount
TOTAL CARRIED FORWARD					
TENSILE TEST AND SEAL/BOND STRENGTH TEST JIG					
ACCESSORIES and ATTACHMENTS					
1 set Upper & Lower Joints for Pneumatic Grips					
1 set Pneumatic Flat Grips (500N/1KN Capacity) with Footvalve Unit					
*Equipped with 1 set of File surface grip faces for thickness 0-6mm specimens					
*Includes 1 set of Rubber surface grip faces for thickness 0-6mm specimens					
*Allowable temperature: -10~180°C					
1 set Computer Attachment for Control and Data Processing System					
1. TRAPEZIUM X, Windows 10-based control & data processing software for: Tensile, Peel (Bond/Seal) strength test					
2. Dell Desktop Computer					
~Core i7 processor, 8GB RAM, Windows 10, 64-bit					
~with 23" LED Monitor					
~with 2 TB portable external HDD (for back up files)					
3. HP Colored Printer					
1 set UPS for PC and Universal Testing Machine					
*15 minutes minimum standby appropriate for equipment					
*Warranty: One year on parts and three (3) on service					
*Installation and training for proper use and operation will be rendered free of charge					
7/13					
ERMIN S. ORENDAIN					
DOST-GIA Funds: Upgrading and Enhancing the capacity of PTD in Packaging Research & Innovation					
END-USER:					
CHARGE TO:					
PREPARED BY:		7/13 ROCHEEL LEE C. DELUTA Administrative Officer V			

Page 3 of 3 pages
 (Total Amount in Words) **One million five hundred ninety thousand pesos and 00/100**

In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of

Very truly yours,

MARIA PATRICIA V. AZANZA, Ph.D.
 Director

Conforme: 
JANRY V. ACHACOSO
 (Signature over printed name)
 August 2, 2017
 (Date)

Requisitioning Office/Dept. DAISY E. TANAFRANCA Chief-PTD	Funds Available:  SOLEDAD S. REYES Accountant IV	Amount ALOBS No. 1851/12
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7/13
 PATRICIA 07/13/17