

PURCHASE ORDER
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

21-658 TP

Supplier : INSTRUMIX SUPPLIER, INC.		P.O. No. : 2021-12-0663 (GIAE)			
Address : Unit 433/434 Cityland Pasong Tamo Tower 2210 Don Chino Roces, Ave. Makati City		Date : December 23, 2021			
TIN :		Mode of Procurement : PB			
Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:					
Place of Delivery : Metrology Building			Delivery Term : 60 CD		
Date of Delivery :			Payment Term : 3		
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
	lot	<p>SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ONE (1) LOT SHIMADZU AUTOMATIC FLOWTESTER CAPILLARY RHEOMETER Model: CFT-500EX</p> <p>Specifications Test Method : Constant-pressure extrusion system using weights Type of Tests : Constant temperature test and constant heating-rate test Capable to test :</p> <ol style="list-style-type: none"> 1. Thermoplastic (PLA,PEEK, PEI, PET, PP, PE, PS, ABS, PC, PEO, etc) 2. Rubber/ elastomers (PU, all types of rubber) 3. Thermoset suspension 4. Ceramic Slurries 5. Liquid, powders, etc. <p>Extruding Pressure Gauges: 0.4903 ~ 49.03 Mpa 0.4903 MPa step selection Measuring Range: 1 x 10⁶~1x 10 Pa.s Heating Method: Electric, 500 W Test Force : 5kN Test Temperature: Range : + 20°C above room temperature to 400°C Heat Sensor : platinum resistance temperature sensor Measuring Precision: Error of Heat Sensor + (±0.3°C) Control Precision : ±0.2°C in stable state Heating Rate: 0.5~0.6 °C/min (min. 0.1°C step) (For constant heating-rate method) Piston Stroke Effective Stroke : 15mm Stroke Detector : Linear Potentiometer Measuring Precision: ±0.5% (for 15mm stroke) Resolution : 0.01 mm Maximum Sample Size : 1.5 cm³ Piston Diameter : 11.282 mm (1cm² in cross sectional area) Cylinder Diameter : 11.329 mm Standard Die (Interchangeable): 1.0 ID x 1.0 mm length Operational Requirements Power Source : 100 VAC, 50/60 Hz, 700 VA max. w/ AVR 230VAC, 60Hz. Pneumatic Source: About 0.4 MPa, 15NL/cycle (Flow rate required per test) Pneumatic Source: About 0.4 MPa, 15NL/cycle (Flow rate required per test) Power Source : 100 VAC, 50/60 Hz, 700 VA max. w/ AVR 230VAC, 60Hz. Pneumatic Source: About 0.4 MPa, 15NL/cycle (Flow rate required per test)</p>	1	3,000,000.00	3,000,000.00

Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
		Temperature : 10 ~ 35°C Humidity : 30-80% (no condensation) Approximate dimensions and weight Rheometer Main body (mm) : 840W x 650D x 1,530H Weight : 150 kg CPU : Single chip microcomputer, 16 bit PC Interface : USB Port Computer Attachment for Control and Data Processing 1. Control and Processing Software FEATURES: Condition setting data collection with PC Compatible with Windows 10 (32bit/64bit) 2. DELL Computer with EPSON Printer (local Supply) Intel core i5 10th Gen. 2 TB HDD with 512 gb SSD 8 Gb RAM ddr4 4gb ddr5 graphics card 27" LCD/LED monitor CFT Software Microsoft office 2016, Perpetual subscription Windows 10- 64 bit OS With keyboard, mouse and Printer Air Compressor Rated Pressure: 0.5 Mpa Discharge Air Volume: 24 L/min. Uninterruptible Power Supply (UPS) with 10 minutes stand by power. Capacity: 2KVA Input: 220 V Output: 100V w/ AVR Warrantv: One year on parts and maintenance service.			
END USER:		<i>think 12/24/21</i> ALVIN KIM COLLERA	Less: VAT	133,928.57	3,000,000.00
			EWT	26,785.71	160,714.28
					2,839,285.72

(Total Amount in W TWO MILLION EIGHT HUNDRED THIRTY NINE THOUSAND TWO HUNDRED EIGHTY FIVE PESOS and 72/100

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 delay shall be imposed on the undelivered item/s.

Conforme:

Renato Gerodius
 Signature over Printed Name of Supplier
 Date 1/26/22

Very truly yours,
Annabelle V. Briones
ANNABELLE V. BRIONES, PhD
 Signature over Printed Name of Authorized
 Director
 Designation 122421

Fund Cluster : TF
 Development of Multiple Materials Platform for Additive Manufacturing
 Funds Available : 3,000,000.00

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

ORS/BURS No CO 2021/21576
 Date of the ORS/BURS: _____
 Amount : 3,000,000.00
DOCT 135B

RALCA 12/22/21