

24. 002 CF

Purchase Order						Appendix 61
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE						
Supplier:	INSTRUMIX SUPPLIER, INC.			P.O. No.:	GAAE-PO-2024-01-000 (EBD) ↑	
Address:	Unit 433/434 CityLand Pasong Tamo Tower 2210 Don Chino Roces Ave. Makati City			Date:	January 17, 2024	
TIN:				Mode of Procurement:	PB	
Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:						
Place of Delivery:	NATIONAL METROLOGY DIVISION			Delivery Term:	120 CD	
Date of Delivery:				Payment Term:		
Stock/ Property No.	Unit	Particulars	Quantity	Unit Cost	Amount	
		<b>SUPPLY, DELIVERY, LABOR, INSTALLATION AND COMMISSIONING OF ONE (1) LOT MICROWAVE DIGESTION SYSTEM</b>			<b>1,200,000.00</b>	
		<b>1 UNIT MICROWAVE DIGESTION SYSTEM</b> <ul style="list-style-type: none"> <li>• Model: <b>HANON TANK eco</b></li> <li>• Power Supply: 220~240VAC 50/60 Hz, 20A</li> <li>• Microwave Source: High-energy microwave field transmission, 2450MHz</li> <li>• Installed Power: 1800W</li> <li>• Max. Output Power: 1000W</li> <li>• Microwave Cavity: Large-volume 316L (High Quality) stainless steel cavity, internally &amp; externally coated with multi-layer corrosion-resistant Teflon</li> <li>• Explosion-proof Door Design: Self-popping explosion-proof sliding furnace door, integrated structure design with prevention of microwave leakage</li> <li>• Pressure Measurement System: High-precision semiconductor pressure sensor, with control range : 0~ 15MPa (0 to 150 bar), accuracy ±0.01MPa, working control: 0- 60 bar Pressure control stability: ±1 bar</li> <li>• Temperature measurement: Full vessel IR temperature control system, with temp control range: -40 ~ 305°C, accuracy ±0.1°C</li> <li>• Control System: Optional multi-core integrated optical fiber temperature control system, with temp control range: -40 ~ 305°C, working control: 50- 250 °C accuracy ±0.1°C, Temperature control stability: ±1 °C</li> <li>• Passive Protection System               <ul style="list-style-type: none"> <li>- COT real-time abnormality monitoring system which can automatically beep &amp; cut off the microwave when an abnormality occurs to any reaction vessel</li> <li>- Safety bolt design providing vertical &amp; quantitative release of overpressure</li> </ul> </li> <li>• Software System               <ul style="list-style-type: none"> <li>- Android System</li> <li>- Built-in Method Library, Cloud methods</li> <li>- Data storage &amp; sharing</li> <li>- Wi-Fi remote connection, etc.</li> </ul> </li> <li>• Communication Interface: USB &amp; Internet communication interface</li> <li>• Exhaust System               <ul style="list-style-type: none"> <li>- High-power corrosion-resistant turbo fan</li> <li>- High-efficiency turbulent air cooling</li> <li>- Less than 15 min. cooling down to room temp</li> <li>- Built in</li> </ul> </li> <li>• Working Environment: 0 ~ 40°C / 15~80% RH</li> <li>• Weight &amp; Dimension: 45 kg; 480W x 560D x 575H mm</li> <li>• Reaction Vessel Model: MP-100</li> <li>• Batch Capacity: 8 vessels</li> <li>• Inner Vessel Material: TFM</li> <li>• Outer Vessel Material: Aerospace composite fiber</li> <li>• Rotor frame type: Single frame type, Rotation: one direction 360°</li> <li>• Reaction Vessel Volume: 100 ml.</li> </ul>				

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21.022 of

Purchase Order  
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Appendix 61

Supplier:	INSTRUMIX SUPPLIER, INC.	P.O. No.:	GAAE-PO-2024-01-0004 (EBD)
Address:	Unit 433/434 CityLand Pasong Tamo Tower 2210 Don Chino Roces Ave. Makati City	Date:	January 17, 2024
TIN:		Mode of Procurement:	PB

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

Place of Delivery:	NATIONAL METROLOGY DIVISION	Delivery Term:	90 CD
Date of Delivery:		Payment Term:	

Stock/ Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
		<ul style="list-style-type: none"> <li>Inclusions               <ul style="list-style-type: none"> <li>with AVR 5Kva 60Hz 220 VAC</li> <li>with spare inner and outer vessel (4 each)</li> <li>Instrument's installation, commissioning and initial operation</li> <li>Initial training on use, application and maintenance of the instrument as part of the after sales service</li> </ul> </li> </ul> <p><b>FEATURES</b></p> <ul style="list-style-type: none"> <li>Android system; Built-in method library; Cloud methods, data storage and sharing; Wi-Fi remote connection</li> <li>Cavity volume must be able to accommodate all the vessels</li> <li>With Temperature Monitoring System</li> <li>All vessels temperature control - Contactless temperature monitoring</li> <li>With Pressure Monitoring System</li> <li>All vessels pressure control - Contactless pressure control</li> <li>Its patented fully-enclosed high-pressure digestion technology (invention patent: CN 102901663B), it will not leak during the entire digestion process and can improve the digestion ability</li> <li>Sineo employs a safety bolt structure design (invention patent: CN 104971787 B) to ensure that the digestion vessel is completely sealed and leak-free under the normal working conditions</li> <li>With outer vessel which is non-bursting, non-explosive and non-tearable; temperature resistance is as high as 600°C, ensuring the user's safe operation</li> <li>With High-precision semiconductor pressure sensor, with strong corrosion resistance and high mechanical strength</li> <li>With 7-inch LCD touch screen</li> <li>With "Cloud Service" function, the storage can be unlimitedly expanded while ensuring data security</li> <li>With patented safety bolt design can provide quantitative and safe pressure relief (the safety bolt will be automatically raised to trigger a pressure relief once overpressure, ensuring the safe operation)</li> </ul> <p>Warranty: Two (2) years warranty on parts and services against factory defects</p>			
				Less: VAT	53,571.43
				EWT	10,714.28
				TOTAL:	1,135,714.30
					1,200,000.00
					64,285.70

(Total Amount in Words): One Million One Hundred Thirty Five Thousand Seven Hundred Fourteen Pesos & 30/100

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: JEREMIAH LAWRENCE R. MANCENIDO  
Signature over Printed Name of Supplier  
Date: JANUARY 31, 2024

Very truly yours, DR. ANNABELLE V. BRIONES  
Signature over Printed Name of Authorized Official  
Director Designation

Fund Cluster: 2024 ITDI EQUIPMENT OUTFLAY

Date: Jan. 31, 2024  
Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit Accountant II: PATRICIA ASHLEY M. MENDOZA

ORS/BURS No.: CO-2024010004

Date of the ORS/BURS: Jan 17, 2024  
Amount: 1,135,714.30