

24-1623-TP

Appendix 61

**Purchase Order**

INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

Supplier: <b>SIGMATECH, INC.</b>	P.O. No.: <b>GIAE-PO-2023-12-1506 (CED)</b>
Address: Block 136 Lot 1 C Arellano St., Katarungan Vill. (Daang Hari) Poblacion Muntinlupa City	Date: December 11, 2023
TIN:	Mode of Procurement: PB

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

Place of Delivery: CHEMICAL ENERGY DIVISION	Delivery Term: 120 CD
Date of Delivery:	Payment Term:

Stock/Property No.	Unit	Particulars	Quantity	Unit Cost	Amount
1	lot	<b>SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ONE (1) LOT FUEL CELL TEST STATION</b>  <b>HORIBA FUEL CELL TEST STATION</b> <b>Model: C10-LT</b> <b>Origin: Germany</b> <i>Features:</i> Up to 100W power range Compact plug and play system with ergonomic footprint For R&D and benchmarking of MEAs, GDLs, gaskets, bipolar plates or crystals Proven humidification system including flexible hose trace heating Multi-range load with U, I, Por R control Maximum control performance, precise DAQ and safety via integrated PLC <b>Technical Specifications:</b> Anode flow range: 0.02 to 2 nl/min Cathode flow: 0.05 to 5 nl/min Footprint (L x Wx H): 1.1 x 0.8x 1.65 m Standard gas temperature: 130°C Humidity range: dry (by-pass) to 100% at 90° Back pressure control range: 1.1 to 4.0 Electronic load: Up to 100A / 2.5V/ 100W Zero voltage option Typical test items: Single cells, 25 to 50cm2 Active test item thermos setting: Receptacles for temperature sensor, cell end Plate heater and cooling blower, PID control loop Safety features: PLC controlled 3-level alarming system, Programmable nitrogen purge, Emergency stop Gas supply: Solenoid valve gas shut off, Gas supply pressure monitoring Data logging: SQL database Material: Stainless steel or PTFE for all wetted parts <b>Inclusion:</b>	1		10,000,000.00
1	lot	Client/Server PC with 24" Monitor (Windows 10Prox64 or higher), DVD-RW drive, Keyboard, mouse, and testWork® 10 Enterprise software			
1	unit	Microsoft Office Professional with perpetual license			
1	tank	Hydrogen gas with regulator, 40L			
1	tank	99.9% Nitrogen gas with regulator, 40L			
1	unit	Air compressor (7.5 bas)			
1	lot	Gas exhaust system with gas lines and pipings			
					10,000,000.00
Less: VAT					446,428.57
EWT					89,285.71
<b>TOTAL:</b>					<b>9,464,285.72</b>
END USER: <b>RONALDO P. PARREÑO, Ph.D</b>					

*Warranty: 1 year on parts and two (2) years on services x*

(Total Amount in Words): Nine Million Four Hundred Sixty Four Thousand Two Hundred Eighty Five Pesos & 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:	Signature over Printed Name of Supplier <b>JUANA VICTORIA GAMALONG</b> January 24, 2024 Date	Very truly yours, Signature over Printed Name of Authorized Official <b>DR. ANNABELLE V. BRIONES</b> Director
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Fund Cluster: <b>THE ESTABLISHMENT OF FUEL CELL R&amp;D AND TESTING FACILITY</b>  Funds Available: _____ Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit Accountant II <b>PATRICIA ASHLEY M. MENDOZA</b> Jan 22, 2024	ORS/BURS No.: <b>2023-10046</b> Date of the ORS/BURS: _____ Amount: <b>10,000,000.00</b>
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