

**PURCHASE ORDER**  
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE

20.2677

Supplier : <b>UNOTRONIX, INC.</b>		P.O. No. : <b>2020-10-0268 (GIAE)</b>			
Address : 5TH Flr. Filipino Building 135 dela Rosa St. Legaspi Village Makati City		Date : <b>October 27, 2020</b>			
TIN :		Mode of Procurement : <b>Public Bidding</b>			
Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein:					
Place of Delivery : <b>Metrology Building (not later than 4:30 pm)</b>		Delivery Term : 90 days			
Date of Delivery :		Payment Term :			
Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
1	unit	<p style="text-align: center;"><b>SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF ONE (1) UNIT OF TRANSCONDUCTANCE AMPLIFIER</b></p> <p><b>Clarke-Hess Transconductance Amplifier,</b> <b>Model: 8100</b></p> <p><b>Specifications:</b></p> <ul style="list-style-type: none"> <li>&gt; 200 <math>\mu</math>A to 100 A in six ranges (2 mA, 20 mA, 0.2, <del>20</del><sup>200</sup> A, and 100 A)</li> <li>&gt; 100% over range capability</li> <li>&gt; DC to 100 kHz</li> <li>&gt; 40 ppm short term stability</li> <li>&gt; 0.04% dc and 0.10% ac accuracy</li> <li>&gt; Total Harmonic Distortion: below -60 dB up to 10 kHz and less than -40 dB to 100 kHz</li> <li>&gt; Frequency measurement uncertainty: 0.01% of reading</li> <li>&gt; IEEE-488.2 Interface standard</li> <li>&gt; High output impedance</li> <li>&gt; Stable with inductive Loads up to 1 mH</li> <li>&gt; Power factor corrected supplies (PF&gt;0.98 at 100A output)</li> <li>&gt; Maximum compliance voltage 7 Vrms AC and 7 V DC for all ranges</li> <li>&gt; Coaxial outputs for high currents</li> <li>&gt; Power Requirements: 220V, 60Hz</li> <li>&gt; With Calibration Certificate traceable to a national metrology institute</li> <li>&gt; With Conformity Certificate</li> <li>&gt; Warranty: 1 year parts and labor</li> </ul>	1	3,854,982.00	3,854,982.00
2	unit	<p><b>Pomona Cables and Connector Sets</b></p> <p>Consists of the ffg.:</p> <ul style="list-style-type: none"> <li>• Pomona BNC Cable, Model: 5697-36, 10 pcs.</li> <li>• Pomona Universal Adapter Kit, Model: 5748, 1 set</li> </ul> <p>Must have the following:</p> <ul style="list-style-type: none"> <li>- N" male adapter, BNC adapter, TNC adapter, SMA adapter, "N" female adapter, BNC female adapter, TNC female adapter, SMA female adapter, Coupler, Double banana plug, Double binding post, UHF male adapter, UHF Female adapter, Mini UHF male adapter,</li> </ul> <p style="text-align: center;"><b>END USER : SABINO PAULO B. LEONES , JR.</b></p>	2	50,740.00	101,480.00

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20. 2677F

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Stock/ Property No.	Unit	Description	Quantity	Unit Cost	Amount
3	unit	Mini UHF female adapter, RCA male adapter, RCA female adapter, "F" male adapter, "F" female adapter, and signal sampler Pomona Universal Adapter Cable, Model:5749-36 , 1pc.	2	44,955.00	89,910.00
4	unit	<b>Digital Thermo-hygrometer:</b> T&D, Model: TR-73U, Temp. + Humidity + Pressure w/ Specialized Connector D-sub 9 pin  <b>Specifications:</b> <b>Measurement range:</b> • 0 to 50 °C, 10 to 95%RH, 750 to 1100 hPa  <b>Accuracy:</b> • Avg. ±0.3 °C, ± 5% RH, 1.5 hPa  <b>Measurement resolution:</b> 0.1 °C, 1 %rh, 0.1 hPa  <b>Logging capacity:</b> 8,000 data sets <b>Interface:</b> USB / RS232  <b>Raffles Dehumidifier, Model: RDH26E</b> Specifications:  Extraction rate: 26 liters/day at 80% RH Power rating: 470W, 220V, 60Hz, Single Phase Room Size: 30 - 80 sqm. Humidity Control: 35 to 80% RH Noise Level: 49dB Noise Level: 49dB  <b>Warranty: One (1) Year on Parts &amp; Services</b>  <b>Includes Training on Operation</b>	2	26,985.00	53,970.00
					4,100,342.00
					Less: VAT
					183,050.98
					EWT
					36,610.20
					<b>3,880,680.82</b>
<b>END USER : SABINO PAULO B. LEONES , JR.</b>					

(Total Amount in Words) THREE MILLION EIGHT HUNDRED EIGHTY THOUSAND SIX HUNDRED EIGHTY PESOS & 82/100.

Conforme:	Very truly yours,
_____ Signature over Printed Name of Supplier	 <b>ANNABELLE V. BRIONES, Ph.D</b> Signature over Printed Name of Authorized Official Director Designation
_____ Date	P 1978

Fund Cluster : <u>Trust fund</u>	ORS/BURS No. : _____
Metrology Program Project 4 - Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory. (GIA)	Date of the ORS/BURS: _____
Funds Available : <u>\$ 4,100,342.00</u>	
 <b>SOLEDAD S. REYES</b> Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit	

patricia ulos...