**PURCHASE ORDER**

**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

**Supplier:** CHROMAR UNITRADE  
**Address:** Suite 509 West City Plaza, 66 West Avenue Quezon City

**P.O. No.:** 2020-10-0263 (GIAE)  
**Date:** October 26, 2020  
**Mode of Procurement:** Public Building

Gentlemen,

Please furnish the following articles subject to the terms and conditions contained herein.

**Place of Delivery:** Metrology Building (not later than 4:30 pm)  
**Delivery Term:** 4 to 8 weeks  
**Payment Term:**

<table>
<thead>
<tr>
<th>Stock/Property No.</th>
<th>Unit</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit Cost</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>lot</td>
<td>Supply, Delivery, Installation and Commissioning of One (1) unit Reference Transfer Standard</td>
<td>1</td>
<td>5,445,865.60</td>
<td>5,445,865.60</td>
</tr>
</tbody>
</table>

**FLUKE 792A AC/DC TRANSFER STANDARD**

Comes complete with:-

- Power Pack
- 1000 V Range Resistor
- Transfer Unit
- Transfer Switch
- Low Thermal test leads 5440A-702
- Low Thermal Copper EMF plug in cables, spade connectors
- Instruction Manual
- Report of Calibration

**General Specifications:**

**AC-DC Difference**

- Range: 2 mV to 1000V
- 10 Hz to 1 MHz
- Best 1 Year Specification: ± 10ppm

**Temperature Stabilization**

Allow 12 hours stabilization time in the environment of use

**Warm up Time**

15 minutes with power on, after stabilization time

**Temperature Performance**

- Operating: 11°C to 35°C;
- Calibration: 18°C to 28°C;
- Storage: -40°C to 50°C

**Relative Humidity**

- Operating: < 75% to 30°C, < 70% to 35°C;
- Storage: < 95%, non-condensing

**Altitude**

- Operating: to 3,050 m (10,000 ft);
- Non-operating: to 12,200 m (40,000 ft)

END USER: SABINO PAULO B. LEONES, JR.

Page 1 of 2
**PURCHASE ORDER**  
**INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE**

**Supplier:** CHROMAR UNITRADE  
**Address:** Suite 509 West City Plaza, 66 West Avenue Quezon City  
**TIN:**  
**Mode of Procurement:** Public Bidding  
**Date:** October 26, 2020  

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

<table>
<thead>
<tr>
<th>Place of Delivery</th>
<th>Delivery Term</th>
<th>Payment Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metrology Building (not later than 4:30 pm)</td>
<td>4 to 8 weeks</td>
<td></td>
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</tbody>
</table>

**Input Low Isolation**  
20V to chassis

**Guard Isolation**  
10V to input LO or chassis

**EMI/RFI**  
Designed to comply with FCC Rules Part 15, Subpart J, Class B; VDE 0871, Class B; VDE 0875, Class K

**Line Power**  
MIL-STD-28800D, paragraph 3.13.3

**Calibration Documentation**  
Report of calibration with data included; 17025 accredited report or Z520.1 report optional

**Size**  
Transfer Unit: 17.8 cm H x 21.6 cm W x 30.5 cm D (7 in H x 8.5 in W x 12 in D)  
Power Pack: 17.8 cm H x 21.6 cm W x 30.5 cm D (7 in H x 8.5 in W x 12 in D)  
1000V Range Resistor: 7.6 cm H x 8.9 cm W x 14.0 cm D (3 in H x 3.5 in W x 5.5 in D)  
Transfer Switch: 7.6 cm H x 8.9 cm W x 14.0 cm D (3 in H x 3.5 in W x 5.5 in D)

**Weight**  
Transfer Unit: 8.4 kg (18.5 lb)  
Power Pack: 8.9 kg (19.5 lb)  
1000V Range Resistor: 1.6 kg (3.5 lb)  
Transfer Switch: 1.6 kg (3.5 lb)

<table>
<thead>
<tr>
<th>Less: VAT</th>
<th>EWT</th>
<th>TOTAL CARRIED FORWARD</th>
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<tr>
<td>243,119.00</td>
<td>48,623.80</td>
<td>291,742.80</td>
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<td>5,154,122.80</td>
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</table>

**END USER : SABINO PAULO B. LEONES, JR.**

**Funds Available:** ₱5,455,865.60 (GIA)  
**SOLEDAD S. REYES**  
Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit

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**TESS G. FELICIANO**  
Signature over Printed Name of Supplier

**ANNABELLE V. BRIONES, Ph.D**  
Signature over Printed Name of Authorized Official  
**Date:** November 11, 2020  
**Designation:**  

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**Fund Cluster:** General Fund  
**Metrology Program Project 4 - Strengthening the Physical Metrology Capabilities of the National Metrology Laboratory.**  
**SOLEDAD S. REYES**  
Signature over Printed Name of Chief Accountant/Head of Accounting Division/Unit