



**DOST-ASTI Bids and Awards Committee  
REQUEST FOR QUOTATION**

<b>Kind of Procurement Activity:</b>	Negotiated Procurement:Small-value Procurement		
<b>Deadline of Submission of Bids:</b>	Mar-20-2023, 2:00 PM		
<b>RFQ No.:</b>	23-03-4290	<b>Date:</b>	March-15-2023
<b>PR No.:</b>	GAA-23-03-16261	<b>Date:</b>	March-06-2023

The Department of Science and Technology (DOST) - Advanced Science and Technology Institute (ASTI), through its Bids and Awards Committee (BAC), intends to procure the enlisted item/s below. Bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, except otherwise specified in the requirements. Award may be considered for prospective bidder/s proven to be the single/lowest calculated and responsive quotation among all other quotations. Guidelines on the format of quotations and eligibility documents are listed below. Kindly follow the prescribed GUIDELINES to avoid DISQUALIFICATION.

Quotations may be submitted 1) manually to the BAC Secretariat at G/F DOST-ASTI Bldg., UP Technology Park Complex, CP Garcia Ave., UP Campus, Diliman, Quezon City or 2) sent via electronic mail at bac-sec@asti.dost.gov.ph. For further information, please contact the BAC Secretariat at +63 2 8249-8500 loc. 1206/1212.

Thank you.

**BAYANI BENJAMIN R. LARA**  
BAC Chairperson

NO.	TECHNICAL SPECIFICATIONS	QTY	UNIT	UNIT PRICE(Php)	TOTAL PRICE(Php)
1	<p><b>Calibration of HIOKI Clamp on Sensor</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing Six (6) units of HIOKI Clamp on Sensor.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of HIOKI Clamp on Sensor with the following details:</p> <p>2.1.1. Last calibration Date: 03 December 2021</p> <p>2.1.2. Clamp on Sensors 5A Voltage Output Sensor (2 units)</p> <p>2.1.2.1. Model: 9694</p> <p>2.1.2.2. Rated measurement current: 5A AC</p> <p>2.1.2.3. Max. meas. Current: Continuous 50 A</p>	1	lot	5280.00	5,280.00

	<p>(45 to 66Hz)  2.1.2.4. Max. rated voltage to earth: 300 V AC rms or less  2.1.2.5. Calibration based on its measured current from 0.5A to 5A at 60Hz:  2.1.2.5.1. Serial Number: 180827362 (Property Number: ICS-3729)  2.1.2.5.2. Serial Number: 180803617 (Property Number: ICS-3730)  2.1.3. Clamp on Sensor 500A AC Voltage Output Sensor (4 units)  2.1.3.1. Model: 9661  2.1.3.2. Rated measurement current: 500 A AC  2.1.3.3. Max. meas. Current: Continuous 550 A (45 to 66Hz)  2.1.3.4. Max. rated voltage to earth: 300 V AC rms or less  2.1.3.5. Calibration based on its measured current from 50A to 500A at 60Hz:  2.1.3.5.1. Serial Number: 180921649 (Property Number: ICS-3732)  2.1.3.5.2. Serial Number: 180926076 (Property Number: ICS-3731)  2.1.3.5.3. Serial Number: 180926077 (Property Number: ICS-3733)  2.1.3.5.4. Serial Number: 180926071 (Property Number: ICS-3734)  2.2. The service provider must provide a Calibration Certificate with the following details:  2.2.1. Calibration Date  2.2.2. Measure and or equivalent standard measurements  2.2.3. Calibration Environmental Condition  2.2.4. Calibration Results with measurement uncertainties of all test points  2.2.5. Recommended calibration due date  2.2.6. Remarks or Recommendations of the calibrating officer / service provider  2.2.7. Approved signature of the calibration officer or equivalent  2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b>  3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.  3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.  3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
2	<p><b>Calibration of HIOKI 3237 Digital Hitester</b>  1. GENERAL OVERVIEW  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI 3237</p>	1	lot	8690.00	8,690.00

Digital HiTester.

1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.

1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.

1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.

## 2. TECHNICAL SPECIFICATIONS

2.1. Standard calibration of One (1) unit of HIOKI 3237 Digital HiTester with the following details:

2.1.1. Last calibration Date: 02 December 2021

2.1.2. Serial Number: 190732435

2.1.3. Property Number: EPDC-010

2.1.4. AC Voltage Range: 1999.99 mV to 750.00 V

2.1.5. DC Voltage Range: 199.999 mV to 1000.00

V

2.1.6. Resistance range (2-terminals): 199.999  $\Omega$  - 100.000 M $\Omega$ , 7 ranges

2.1.7 Low-power Resistance range (2-terminals): 1999.99  $\Omega$  - 1999.99 k $\Omega$ , 4 ranges

2.1.8. Power Supply: 100/ 120/ 220/ 240 V AC (specify when ordering), 50/60 Hz

2.1.9. Calibration based on its DC voltage range, AC voltage range at 60Hz., resistance range and low power resistance range.

2.1.10. Included accessory to be calibrated: Test Lead L9170-10  $\times$  1

2.2. The service provider must provide a Calibration Certificate with the following details:

2.2.1. Calibration Date

2.2.2. Measure and or equivalent standard measurements

2.2.3. Calibration Environmental Condition

2.2.4. Calibration Results with measurement uncertainties of all test points

2.2.5. Recommended calibration due date

2.2.6. Remarks or Recommendations of the calibrating officer / service provider

2.2.7. Approved signature of the calibration officer or equivalent

2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.

## 3. PAYMENT AND DELIVERY TERMS

3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.

3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.

3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.

3	<b>Calibration of HIOKI 3174 AC Automatic Insulation/Withstanding HiTester</b> 1. GENERAL OVERVIEW	1	lot	1870.00	1,870.00
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1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI 3174 AC Automatic Insulation/Withstanding HiTester.

1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.

1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.

1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.

## 2. TECHNICAL SPECIFICATIONS

2.1. Standard calibration of One (1) unit of HIOKI 3174 AC Automatic Insulation/Withstanding HiTester with the following details:

2.1.1. Last calibration Date: 02 December 2021

2.1.2. Serial Number: 180612013

2.1.3. Property Number: 00-19-236 001 002-00110

2.1.4. Withstanding Testing Voltage: 0.2 V AC to 5.00 kV AC

2.1.5. Insulation Testing Voltage: 500 V DC, 1000 V DC

2.1.6. Current Measurement: 0.01 mA to 20.0 mA, True RMS rectified (digital display)

2.1.7. Power supply: 100 to 240 V AC, (50/60 Hz), 200 VA max.

2.1.8. Calibration is based on its withstanding voltage up to 5kv AC, Insulation Testing voltage 500 VAC and 1000 VAC, cut off current AC.

2.1.9. Included accessory : TH.V. Test lead 9615 (high voltage side and return, 1 each)

2.2. The service provider must provide a Calibration Certificate with the following details:

2.2.1. Calibration Date

2.2.2. Measure and or equivalent standard measurements

2.2.3. Calibration Environmental Condition

2.2.4. Calibration Results with measurement uncertainties of all test points

2.2.5. Recommended calibration due date

2.2.6. Remarks or Recommendations of the calibrating officer / service provider

2.2.7. Approved signature of the calibration officer or equivalent

2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.

## 3. PAYMENT AND DELIVERY TERMS

3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.

3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.

3.3. Government terms. Full payment will only be processed once the service is completely delivered,

	inspected, and accepted by the end-user.				
4	<p><b>Calibration of KIKUSUI PCZ1000A AC Electronic Load</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of KIKUSUI PCZ1000A AC Electronic Load.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of KIKUSUI PCZ1000A AC Electronic Load with the following details:</p> <p>2.1.1. Last calibration Date: 09 March 2022</p> <p>2.1.2. Serial Number: ZD002676</p> <p>2.1.3. Property Number: 00-19-250-002-0052-00057</p> <p>2.1.4. Maximum input load power: 1000W</p> <p>2.1.5. Input voltage range: 14V to 280V (rms)</p> <p>2.1.6. Input current range: 0 to 10A (rms)</p> <p>2.1.7. Input frequency range: 45 to 65Hz</p> <p>2.1.8. Crest Factor Function: 1.4 to 4.0</p> <p>2.1.9. To be calibrated in terms of its Voltmeter Accuracy, Ammeter Accuracy, Constant Resistance Accuracy, Constant Power Accuracy, Constant Current Accuracy.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be</p>	1	lot	4070.00	4,070.00

	processed once the service is completely delivered, inspected, and accepted by the end-user.				
5	<p><b>Calibration of ED&amp;D PFI-1000N 1000N Digital Force Gauge</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of ED&amp;D PFI-1000N 1000N Digital Force Gauge.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of ED&amp;D PFI-1000N 1000N Digital Force Gauge with the following details:</p> <p>2.1.1. Last calibration Date: 13 December 2021</p> <p>2.1.2. Serial Number: X11470382</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00024</p> <p>2.1.4. Maximum force: 1000N</p> <p>2.1.5. To be calibrated in terms of Applied Force Accuracy: Measurement Range Newton, Kilogram, Pound.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>	1	lot	1210.00	1,210.00
6	<b>Calibration of ED&amp;D CSW-01 Stopwatch</b>	1	lot	748.00	748.00

	<p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of ED&amp;D CSW-01 Stopwatch.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of ED&amp;D CSW-01 Stopwatch with the following details:</p> <p>2.1.1. Last calibration Date: 26 November 2021</p> <p>2.1.2. Serial Number: S12490500</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00032</p> <p>2.1.4. Single Action, Time In/Time out</p> <p>2.1.5. Continuous Timing Feature</p> <p>2.1.6. Timing Capacity: 9 hrs., 59 mins., 59 seconds, 99 hundredths</p> <p>2.1.7. To be calibrated in terms of its timing capabilities.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
7	<p><b>Calibration of ED&amp;D GC-2000 Ground Impedance Tester</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent</p>	1	lot	1925.00	1,925.00

	<p>bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of ED&amp;D GC-2000 Ground Impedance Tester.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of ED&amp;D GC-2000 Ground Impedance Tester with the following details:</p> <p>2.1.1. Last calibration Date: 09 March 2022</p> <p>2.1.2. Serial Number: N12490337</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00022</p> <p>2.1.4. Test current: 25A / 40A</p> <p>2.1.5. Auto Test Time (1 sec. / 60 sec.)</p> <p>2.1.6. Custom universal receptacle accepts both 120V and 240V plugs</p> <p>2.1.7. 0.1 ohm trip setting</p> <p>2.1.8. To be calibrated based on its Output Current Accuracy 25A and 40A, Impedance Measurement Accuracy.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
8	<p><b>Calibration of T&amp;D TR-73U Thermo Recorder</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of</p>	1	lot	1705.00	1,705.00



	<p>ASTI-EPDC's existing One (1) unit of T&amp;D TR-73U Thermo Recorder.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of T&amp;D TR-73U Thermo Recorder with the following details:</p> <p>2.1.1. Last calibration Date: 24 November 2021</p> <p>2.1.2. Serial Number: F8063B3B</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00056</p> <p>2.1.4. Barometric-Pressure: 750 to 1100 hPa</p> <p>2.1.5. Temperature: 0 to 50°C</p> <p>2.1.6. Humidity: 10 to 95%RH</p> <p>2.1.7. To be calibrated based on its temperature, pressure and humidity reading.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
9	<p><b>Calibration of PREEN AFC-11005G AC Power Source</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of PREEN AFC-11005G AC Power Source.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services</p>	1	lot	3740.00	3,740.00

	<p>charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of PREEN AFC-11005G AC Power Source with the following details:</p> <p>2.1.1. Last calibration Date: 24 November 2021</p> <p>2.1.2. Serial Number: F319040085</p> <p>2.1.3. Property Number: 00-19-250 002 0052 00058</p> <p>2.1.4. 5kVA, Single Phase In, Single Phase Out</p> <p>2.1.5. Output Voltage Range: 5~300Vrms</p> <p>2.1.6. Output Frequency: 47~63Hz</p> <p>2.1.7. To be calibrated based on its voltage reading at 50 and 60 Hz.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
10	<p><b>Calibration of TEKTRONIX P6015A High Voltage Probe</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of TEKTRONIX P6015A High Voltage Probe.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p>	1	lot	7700.00	7,700.00

	<p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of TEKTRONIX P6015A High Voltage Probe with the following details:</p> <p>2.1.1. Last calibration Date: 06 December 2021</p> <p>2.1.2. Serial Number: C092711</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00054</p> <p>2.1.4. Attenuation: 1:1000</p> <p>2.1.5. Bandwidth: 75MHz</p> <p>2.1.6. Common mode input voltage: 20kV</p> <p>2.1.7. To be calibrated based on its AC and DC Voltage reading at 60Hz.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
11	<p><b>Calibration of HIOKI CM3286-01 AC Clamp Power Meter</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI CM3286-01 AC Clamp Power Meter.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p>	1	lot	1650.00	1,650.00

	<p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of HIOKI CM3286-01 AC Clamp Power Meter with the following details:</p> <p>2.1.1. Last calibration Date: 02 December 2021</p> <p>2.1.2. Serial Number: 170604862</p> <p>2.1.3. Property Number: 00-19-236 001 002-00114</p> <p>2.1.4. Single-phase, Three-phase</p> <p>2.1.5. AC voltage range [Measurement range] : 80.0 V to 600.0 V, Single range</p> <p>2.1.6. AC current range [Measurement range] : 0.060 A to 600.0 A, 3 range</p> <p>2.1.7. Power range : [Single phase] 0.005 kW to 360.0 kW</p> <p>2.1.8. Power supply : LR03 Alkaline battery ×2</p> <p>2.1.9. To be calibrated based on its AC Current and AC Voltage measurement reading accuracy.</p> <p>2.1.10. Included accessories to be calibrated: Connection Cord L9257 ×1, Carrying case</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
12	<p><b>Calibration of HIOKI ST5541 Leakage Current HiTester</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI ST5541 Leakage Current HiTester.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of</p>	1	lot	2585.00	2,585.00

the minimum requirement unless otherwise stated.

1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.

## 2. TECHNICAL SPECIFICATIONS

2.1. Standard calibration of One (1) unit of HIOKI ST5541 Leakage Current HiTester with the following details:

2.1.1. Last calibration Date: 02 December 2021

2.1.2. Serial Number: 181042908

2.1.3. Property Number: 00-19-236 001  
002-00112

2.1.4. Measurement ranges:

2.1.4.1. DC / AC / AC+DC mode: 50.00 mA/  
5.000 mA/ 500.0 µA/ 50.00 µA

2.1.4.2. AC peak mode: 75.0 mA/ 10.00 mA/  
1.000 mA/ 500.0 µA

2.1.5. Measurement current:

2.1.5.1. DC, AC (true rms, 15 Hz to 1 MHz),  
AC+DC (true rms, 15 Hz to 1 MHz)

2.1.5.2. AC peak (15 Hz to 1 MHz)

2.1.6. Measurement modes: Leak current measurement, voltage measurement, safety conductor current measurement

2.1.7. To be calibrated based on its AC and DC Current measuring capabilities (equipment specifications).

2.1.8. Included accessories to be calibrated: Test lead L2200 (Red x1, Black x1) x1 set, Enclosure probe 9195 x1

2.2. The service provider must provide a Calibration Certificate with the following details:

2.2.1. Calibration Date

2.2.2. Measure and or equivalent standard measurements

2.2.3. Calibration Environmental Condition

2.2.4. Calibration Results with measurement uncertainties of all test points

2.2.5. Recommended calibration due date

2.2.6. Remarks or Recommendations of the calibrating officer / service provider

2.2.7. Approved signature of the calibration officer or equivalent

2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.

## 3. PAYMENT AND DELIVERY TERMS

3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.

3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.

3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.

13	<b>Calibration of KIKUSUI TOS5101 Withstanding Voltage Tester</b>	1	lot	2970.00	2,970.00
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	<p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of KIKUSUI TOS5101 Withstanding Voltage Tester.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of KIKUSUI TOS5101 Withstanding Voltage Tester with the following details:</p> <p>2.1.1. Last calibration Date: 02 December 2021</p> <p>2.1.2. Serial Number: YL003172</p> <p>2.1.3. Property Number: EPDC-003</p> <p>2.1.4. AC/DC Output: 0 to 10kV</p> <p>2.1.5. Maximum AC Current: 50 mA AC</p> <p>2.1.6. Digital Voltmeter/Ammeter</p> <p>2.1.7. To be calibrated based on its AC and DC voltage supply range (equipment specifications).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
14	<p><b>Calibration of TERCHY MHK-408AK Programmable Temperature and Humidity Chamber</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of</p>	1	lot	3960.00	3,960.00

	<p>ASTI-EPDC's existing One (1) unit of TERCHY MHK-408AK Programmable Temperature and Humidity Chamber.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of TERCHY MHK-408AK Programmable Temperature and Humidity Chamber with the following details:</p> <p>2.1.1. Last calibration Date: 02 February 2022</p> <p>2.1.2. Serial Number: 1071222</p> <p>2.1.3. Property Number: 00-19-236 001 002-00048</p> <p>2.1.4. Temp. Range: -40~150 °C</p> <p>2.1.5. Humidity Range: 10 – 98% RH</p> <p>2.1.6. To be calibrated based on its equipment specifications (Temperature and Humidity).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. Calibration must be performed within fifteen (15) calendar days upon issuance of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
15	<p><b>Calibration of TERCHY MCK-290 Programmable Oven</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) lot of TERCHY MCK-290 Programmable Oven.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p>	1	lot	2860.00	2,860.00

	<p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) lot of TERCHY MCK-290 Programmable Oven with the following details:</p> <p>2.1.1. Last calibration Date: 24 August 2020</p> <p>2.1.2. Serial Number: 1071223</p> <p>2.1.3. Property Number: 00-19-236 001 002-00042</p> <p>2.1.4. Temp. Range: 50~300 °C</p> <p>2.1.5. To be calibrated based on its specifications.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. Calibration must be performed within fifteen (15) calendar days upon issuance of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
16	<p><b>Calibration of HIOKI IM3536 LCR Meter</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI IM3536 LCR Meter.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of HIOKI IM3536 LCR Meter with the following details:</p> <p>2.1.1. Last calibration Date: 27 January 2022</p> <p>2.1.2. Serial Number: 16121481</p> <p>2.1.3. Property Number: 00-19-236 001 002-00109</p>	1	lot	5720.00	5,720.00



	<p>2.1.4. Measurement modes: LCR (Measurement with single condition), Continuous testing (Continuous measurement under saved conditions)</p> <p>2.1.5. Measurement parameters: Z, Y, <math>\theta</math>, X, G, B, Q, Rdc (DC resistance), Rs (ESR), Rp, Ls, Lp, Cs, Cp, D (<math>\tan\delta</math>), <math>\sigma</math>, <math>\epsilon</math></p> <p>2.1.6. Measurement range: 100 m<math>\Omega</math> to 100 M<math>\Omega</math>, 10 ranges (All parameters are determined according to Z)</p> <p>2.1.7. Measurement range: 100 m<math>\Omega</math> to 100 M<math>\Omega</math>, 10 ranges (All parameters are determined according to Z)</p> <p>2.1.8. Output impedance:</p> <p>2.1.8.1. Normal mode: 100 <math>\Omega</math></p> <p>2.1.8.2. Low impedance high accuracy mode: 10 <math>\Omega</math></p> <p>2.1.9. To be calibrated based on its specifications (inductance, capacitance and resistance measurement accuracy).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
17	<p><b>Calibration of HIOKI IR4057 Insulation Tester</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI IR4057 Insulation Tester.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product</p>	1	lot	4840.00	4,840.00

	<p>Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of HIOKI IR4057 Insulation Tester with the following details:</p> <p>2.1.1. Last calibration Date: 21 October 2021</p> <p>2.1.2. Serial Number: 180414988</p> <p>2.1.3. Property Number: 00-19-236 001 002-00113</p> <p>2.1.4. Rated Output Voltage: 50VDC, 125VDC, 250VDC, 500VDC, 1000VDC</p> <p>2.1.5. Effective max. indicated value: 100 MΩ, 250MΩ, 500 MΩ, 2000 MΩ, 4000 MΩ</p> <p>2.1.6. To be calibrated based on its specifications: DC and AC Voltage, Resistance (continuity and insulation).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
18	<p><b>Calibration of HIOKI PW3335 Power Meter</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI PW3335 Power Meter.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p>	1	lot	13420.00	13,420.00

	<p>2.1. Standard calibration of One (1) unit of HIOKI PW3335 Power Meter with the following details:</p> <p>2.1.1. Last calibration Date: 21 October 2021</p> <p>2.1.2. Serial Number: 181028569</p> <p>2.1.3. Property Number: 00-19-236 001 002-00108</p> <p>2.1.4. Measurement Ranges:</p> <p>2.1.4.1. Voltage: AC/DC 6 V to 1000 V, 8 ranges</p> <p>2.1.4.2. Current: AC/DC 1 mA to 20 A, 14 ranges</p> <p>2.1.4.3. Power: 6.0000 mW to 20.000 kW</p> <p>2.1.5. To be calibrated based on its specifications (AC and DC measuring capabilities).</p> <p>2.1.6. Include uncertainty of measurement of each parameter to be calibrated</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
19	<p><b>Calibration of MITUTOYO MDC-1" PX Digital Micrometer</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of MITUTOYO MDC-1" PX Digital Micrometer.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p>	1	lot	770.00	770.00

	<p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of MITUTOYO MDC-1" PX Digital Micrometer with the following details:</p> <p>2.1.1. Last calibration Date: 26 October 2021</p> <p>2.1.2. Serial Number: R12490267</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00023</p> <p>2.1.4. Range: 0-25mm</p> <p>2.1.5. To be calibrated based on its specifications (internal and external measurements).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS</p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
20	<p><b>Calibration of MITUTOYO CD-6" ASX Digital Caliper</b></p> <p>1. GENERAL OVERVIEW</p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of MITUTOYO CD-6" ASX Digital Caliper.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS</p> <p>2.1. Standard calibration of One (1) unit of MITUTOYO CD-6" ASX Digital Caliper with the following details:</p> <p>2.1.1. Last calibration Date: 22 October 2021</p> <p>2.1.2. Serial Number: R12490266</p>	1	lot	935.00	935.00

	<p>2.1.3. Property Number: 00-19-250 002 0052-00023</p> <p>2.1.4. Range: 0-150mm</p> <p>2.1.5. Resolution: 0.01mm / 0.0005"</p> <p>2.1.6. Accuracy: <math>\pm 0.02\text{mm}</math> / <math>\pm 0.0010''</math></p> <p>2.1.7. To be calibrated based on its specifications (internal and external measurements).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
21	<p><b>Calibration of KEITHLEY 2380-120-60 DC Electronic Load</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of KEITHLEY 2380-120-60 DC Electronic Load.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of KEITHLEY 2380-120-60 DC Electronic Load with the following details:</p> <p>2.1.1. Last calibration Date: 07 December 2021</p> <p>2.1.2. Serial Number: 802436052747210021</p> <p>2.1.3. Property Number: EPDC-012</p> <p>2.1.4. Max. meas.: 120V, 60A, 250W</p> <p>2.1.5. Operating Modes: Constant current (CC),</p>	1	lot	3899.50	3,899.50

	<p>constant voltage (CV), constant resistance and constant power (CP)</p> <p>2.1.6. To be calibrated based on its specifications (DC Voltage, Current and Power measurement).</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
22	<p><b>Calibration of TEKTRONIX TDS2012C Digital Oscilloscope</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of TEKTRONIX TDS2012C Digital Oscilloscope.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of TEKTRONIX TDS2012C Digital Oscilloscope with the following details:</p> <p>2.1.1. Last calibration Date: 06 March 2019</p> <p>2.1.2. Serial Number: C051994</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00053</p> <p>2.1.4. 100 MHz Bandwidth Models</p> <p>2.1.5. 2-channel Model</p> <p>2.1.6. Up to 2GS/s Sample Rate on All Channels</p> <p>2.1.7. 2.5k point Record Length on All Channels</p>	1	lot	4800.00	4,800.00

	<p>2.1.8. 2.5k point Record Length on All Channels  2.1.9. To be calibrated based on its specifications.  2.2. The service provider must provide a Calibration Certificate with the following details:  2.2.1. Calibration Date  2.2.2. Measure and or equivalent standard measurements  2.2.3. Calibration Environmental Condition  2.2.4. Calibration Results with measurement uncertainties of all test points  2.2.5. Recommended calibration due date  2.2.6. Remarks or Recommendations of the calibrating officer / service provider  2.2.7. Approved signature of the calibration officer or equivalent  2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p>3. PAYMENT AND DELIVERY TERMS  3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.  3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.  3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
23	<p><b>Calibration of HIOKI LR8402-20 Memory HiLogger</b></p> <p>1. GENERAL OVERVIEW  1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of HIOKI LR8402-20 Memory HiLogger.  1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.  1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.  1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p>2. TECHNICAL SPECIFICATIONS  2.1. Standard calibration of One (1) unit of HIOKI LR8402-20 Memory HiLogger with the following details:  2.1.1. Last calibration Date: 22 October 2021  2.1.2. Serial Number: 181035545  2.1.3. Property Number: 00-19-236 001 002-00111  2.1.4. Recording intervals: 10 ms to 50 ms, 100 ms to 1 hour  2.1.5. 15 analog channels  2.1.6. Calibration: Temperature measurement on its channel using Type-K Thermocouple  2.2. The service provider must provide a Calibration Certificate with the following details:</p>	1	lot	3190.00	3,190.00

	<p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p> <p>2.2.4. Calibration Results with measurement uncertainties of all test points</p> <p>2.2.5. Recommended calibration due date</p> <p>2.2.6. Remarks or Recommendations of the calibrating officer / service provider</p> <p>2.2.7. Approved signature of the calibration officer or equivalent</p> <p>2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.</p> <p><b>3. PAYMENT AND DELIVERY TERMS</b></p> <p>3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.</p> <p>3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.</p> <p>3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.</p>				
24	<p><b>Calibration of MITUTOYO Pro 360 Digital Angle Meter</b></p> <p><b>1. GENERAL OVERVIEW</b></p> <p>1.1. The Advanced Science and Technology Institute (ASTI) is seeking qualified and competent bidders/service providers for the calibration of ASTI-EPDC's existing One (1) unit of MITUTOYO Pro 360 Digital Angle Meter.</p> <p>1.2. The approved budget for the contract is inclusive of all applicable government taxes and services charges.</p> <p>1.3. The technical specifications written herein are of the minimum requirement unless otherwise stated.</p> <p>1.4. The procurement for the calibration of this item will be used in the continuous maintenance of Product Safety laboratory of EPDC.</p> <p><b>2. TECHNICAL SPECIFICATIONS</b></p> <p>2.1. Standard calibration of One (1) unit of MITUTOYO Pro 360 Digital Angle Meter with the following details:</p> <p>2.1.1. Last calibration Date: 09 December 2021</p> <p>2.1.2. Serial Number: S05490482</p> <p>2.1.3. Property Number: 00-19-250 002 0052-00025</p> <p>2.1.4. Measurement Accuracy: <math>\pm 1^\circ</math> Level <math>\pm 10^\circ</math>, Plumb <math>\pm 10^\circ \pm 2^\circ</math> Maximum error</p> <p>2.1.5. Resolution: <math>0.01^\circ</math></p> <p>2.1.6. To be calibrated based on its specifications.</p> <p>2.2. The service provider must provide a Calibration Certificate with the following details:</p> <p>2.2.1. Calibration Date</p> <p>2.2.2. Measure and or equivalent standard measurements</p> <p>2.2.3. Calibration Environmental Condition</p>	1	lot	1485.00	1,485.00



2.2.4. Calibration Results with measurement uncertainties of all test points  
 2.2.5. Recommended calibration due date  
 2.2.6. Remarks or Recommendations of the calibrating officer / service provider  
 2.2.7. Approved signature of the calibration officer or equivalent  
 2.3. The service provider must shoulder the shipping cost of the item to be calibrated from and to EPDC.

**3. PAYMENT AND DELIVERY TERMS**

3.1. The service provider must return the calibrated equipment to EPDC Bldg., MIRDC Compound, Bicutan, Taguig City within fifteen (15) calendar days upon receipt of Notice to Proceed.  
 3.2. Price is inclusive of taxes and other service charges, i.e., labor, miscellaneous expenses, among others.  
 3.3. Government terms. Full payment will only be processed once the service is completely delivered, inspected, and accepted by the end-user.

**TOTAL APPROVED BUDGET FOR THE CONTRACT (ABC):**

**Php 90,022.50**

**GUIDELINES**

**A. Content and Format of Quotations**

1. The Quotation/s must include the RFQ Number or the PR Number indicated above
2. Bidders must specify the BRAND NAMES and MODEL NAMES/NUMBER for the following goods:
  - a. Computer and electronic equipment and its accessories or peripherals
  - b. Software applications, programs, and digital licenses
  - c. Commercial off-the-shelf electronic devices or components
3. The Quotation/s must indicate the registered business name of the company (or individual), business address and contact number. It must also include the full name and signature of the company's authorized representative.
4. BIR Certificate of Registration for new DOST-ASTI suppliers.

**B. Eligibility Requirements**

Pursuant to Annex "H" or Consolidated Guidelines for the Alternative Methods of Procurement of the 2016 Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184, the following documents shall be submitted except for Repeat Order, Shopping under Section 52.1(a), and Negotiated Procurement under Sections 53.1 (Two-Failed Biddings), and 53.5 (Agency-to-Agency):

**For Procurement of Goods**

1. Upon submission of quotation
  - a. Valid PhilGEPS Registration Number / Organization ID
  - b. Valid Mayor's/Business Permit
2. Upon issuance of Notice of Award (NOA)
  - a. Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)
  - b. Income/Business Tax Return (For ABCs above P500,000.00)

**For Procurement of Infrastructure**

1. Upon submission of quotation
  - a. Valid PhilGEPS Registration Number / Organization ID
  - b. Valid Mayor's/Business Permit
  - c. Valid PCAB License
2. Upon issuance of NOA

- a. *Omnibus Sworn Statement (shall be required only for procurement projects with ABC above P50,000.00)*
- b. *Income/Business Tax Return (For ABCs above P500,000.00)*

*\*Requirements under Section 53.6 (Scientific, Scholarly or Artistic Work, Exclusive Technology and Media Services) of the revised IRR of RA No. 9184 will not apply to artists such as singer, performer, poet, writer, painter and sculptor who are engaged in business.*

*\*\*Requirements under Section 53.10 (Lease of Real Property or Venue) of the revised IRR of RA No. 9184, specifically Mayor's/Business Permit, PhilGEPS Registration Number and Income/Business Tax Return will not apply to government agencies as lessors.*

*\*\*\*For methods of procurement requiring Mayor's Permit and PhilGEPS Registration Number, valid Certificate of Platinum Membership may be submitted in lieu of the said documents.*

### **C. Terms and Conditions**

1. *Additional requirements, if necessary, may be requested by the BAC depending on the item to be bid;*
2. *All transactions are subject to creditable withholding tax and final Value Added Tax or percentage tax per revenue regulation/s of the BIR;*
3. *Liquidated damages of at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay shall be imposed by the DOST-ASTI pursuant to Section 68 of the revised IRR of RA No. 9184; and*
4. *The DOST-ASTI reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.*