Quantity

Article

Approved Budget for the Contract

8 units

CALIBRATION OF ANALYTICAL BALANCE

PhP 12.800.00

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

- 1. Balance capacity
 - Adam 250g
 - Denver 250g
 - Shimadzu Aux 220g
 - Acculab 210g
 - Precisa 200g
 - Mettler 200g
 - Sartorius 200g
 - Sartorius 124g
- 2. Repeatability of reading
- 3. Departure from nominal value
- 4. Off-center loading
 - Limit of performance

II. TERMS AND CONDITIONS:

- Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philaeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

3 units

CALIBRATION OF TOP LOADING BALANCE

PhP 4.800.00

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

- 1. Balance capacity
 - Adam 75 kg
 - Kern 30 kg
 - CHYO 30 kg
- 2. Repeatability of reading
- 3. Departure from nominal value
- 4. Off-center loading
 - · Limit of performance

II. TERMS AND CONDITIONS:

- Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

for th

1 unit

CALIBRATION OF

PhP 2,600.00

Oil BATH

TERMS OF REFERENCE

- I. TECHNICAL SPECIFICATIONS:
 - 1. Calibration at 100°C
 - 2. Calibration must be performed at actual operating conditions
 - 3. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget

for the Contract

3 units

CALIBRATION OF WATER BATH (1 SET POINT)

PhP 4.800.00

TERMS OF REFERENCE

- TECHNICAL SPECIFICATIONS:
 - 1. Calibration at 80 °C
 - 2. Calibration must be performed at actual operating conditions
 - 3. Elapsed time for temperature rise from different set points must be determined

11. **TERMS AND CONDITIONS:**

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Wmr

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Director, ERTLS

Mucha wike brum

Quantity

Article

Approved Budget

for the Contract

3 units

CALIBRATION OF WATER BATH (3 SET POINTS)

PhP 7,800,00

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

- 1. Calibration at the following set points:
 - 3 units at 40°C, 50°C and 60°C
- 2. Calibration must be performed at actual operating conditions
- 3. Elapsed time for temperature rise from different set points must be determined

П. **TERMS AND CONDITIONS:**

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. **\$**. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

hureligned tory

Quantity

Article

Approved Budget

for the Contract

2 units

CALIBRATION OF CALORIMETER

PhP 18,000.00

TERMS OF REFERENCE

- I. TECHNICAL SPECIFICATIONS:
 - 1. Calibration at 25°C
 - 2. Calibration must be performed at actual operating conditions
 - 3. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mavor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. Ş. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Director, ERTLS

problem 16 burn

Quantity Article Approved Budget

for the Contract

1 unit CALIBRATION OF Php 3,600.00

CENTRIFUGE

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

- 1. Calibration of revolutions per minute (rpm)
- 2. Calibration must be performed at actual operating conditions
- 3. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB). If no available accredited facility, calibration provider must be capable to conduct calibration of the required parameters with uncertainty of measurement.
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. \$. Llamo Chief SRS, GRFTLD A. M. de Guzman, CESO IV

unchamp bung

Quantity

Article

Approved Budget for the Contract

1 unit

CALIBRATION OF CHNS

PhP 29,000.00

ANALYZER

TERMS OF REFERENCE

1. TECHNICAL SPECIFICATIONS:

1. Calibration at the following settings:

CHN

850°C, 950°C

• S

1,350°C (If no available probe: At highest temperature probe available in the

industry is accepted)

- 2. Calibration must be performed at actual operating conditions
- 3. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

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Qunatity Article Approved Budget for the Contract

2 units **CALIBRATION OF** PhP 5.800.00

CONDUCTIVITY METER

TERMS OF REFERENCE

- I. **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration of:
 - Conductivity probe
 - Conductivity sensor
 - 2. Calibration at actual operating conditions

II. **TERMS AND CONDITIONS:**

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

prochampe been V. S. Llamo A. M. de Guzman, CESO IV Chief SRS, GRFTLD 🍱

Director, ERTLS

Approved by:

Quantity

Article

Approved Budget for the Contract

5 units

CALIBRATION OF **DRYING OVEN** 1 SET POINT

PhP 8,000.00

TERMS OF REFERENCE

١. **TECHNICAL SPECIFICATIONS:**

1. Calibration at the following set points:

 Coal Air-Drying Oven 40°C Jouan Mechanical Oven 110°C Minimum Free-Space Oven 110°C Memmert Oven 110°C Labtech Oven 105°C

2. Calibration must be performed at actual operating conditions

3. Elapsed time for temperature rise from different set points must be determined

II. **TERMS AND CONDITIONS:**

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11 The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Chief SRS, GRFTLD

V. S. Llamo

Approved by:

houles redo bury A. M. de Guzman, CESO IV

Quantity Article Approved Budget

for the Contract

2 units **CALIBRATION OF**

> **DRYING OVEN 3 SET POINTS**

PhP 5,200,00

TERMS OF REFERENCE

I. **TECHNICAL SPECIFICATIONS:**

- 1. Calibration at the following set points:
 - 100°C
 - 125°C
 - 150°C
- 2. Calibration must be performed at actual operating conditions
- 3. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. \$. Llamo Chief SRS, GRFTLD

Mulia Me Guin A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

4 units

CALIBRATION OF CARBOLITE AND PRUFER

PhP 53,400.00

FURNACE

TERMS OF REFERENCE

- I. TECHNICAL SPECIFICATIONS:
 - 1. Calibration at five (5) set points (500°C, 750°C, 815°C, 900°C, 950°C)
 - 2. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD M

A. M. de Guzman, CESO IV

Quantity Article Approved Budget for the Contract

2 units CALIBRATION OF PhP 21,500.00

NABERTHERM FURNACE

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

- 1. Calibration at three (3) set points (650°C, 815°C, 950°C)
- 2. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

2 units

CALIBRATION OF THERMOLYNE AND DAIHAN FURNACE

PhP 7,200.00

TERMS OF REFERENCE

- I. TECHNICAL SPECIFICATIONS:
 - 1. Calibration at two (2) set points (525°C, 750°C)
 - 2. Elapsed time for temperature rise from different set points must be determined

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Director, ERTLS

Mullia mede brim

Quantity

Article

Approved Budget for the Contract

12 pcs

CALIBRATION OF HYDROMETER

PhP 22,800.00

TERMS OF REFERENCE

- I. **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration for:
 - CH-02 and CH-09 (0.7000, 0.7250, 0.7500)
 - CH-03 and CH-12 (0.8000, 0.8250, 0.8500)
 - CH-04 and CH-13 (0.8500, 0.8750, 0.9000)
 - CH-05 and CH-14 (0.9000, 0.9250, 0.9500)
 - CH-07, CH-10 and CH-11 (0.7500, 0.7750, 0.8000)
 - CH-08 (0.9500, 0.9750, 1.0000)
 - 2. Calibration must be performed at actual ambient conditions.

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB). If no available accredited facility, calibration provider must be capable to conduct calibration of the required parameters with uncertainty of measurement.
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Uncertainty of measurement must be at least at 95 percent confidence level.
- 4. Calibration standards traceable to certified reference materials must be used.
- 5. Service/calibration report must be provided after performing calibration.
- 6. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 7. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 8. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 9. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 10. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 11. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

Lucham de Gum A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

3 units

CALIBRATION OF pH METER

PhP 8,700.00

TERMS OF REFERENCE

- I. **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration of:
 - Probe
 - Sensor
 - 2. Calibration at actual operating conditions
- H. TERMS AND CONDITIONS:
 - 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
 - 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
 - 3. Calibration must be conducted on-site.
 - 4. Uncertainty of measurement must be at least at 95 percent confidence level.
 - 5. Calibration standards traceable to certified reference materials must be used.
 - 6. Service/calibration report must be provided after performing calibration.
 - 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
 - 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
 - 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
 - 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
 - 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
 - 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

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Quantity Article Approved Budget

for the Contract

9 pcs **CALIBRATION OF** PhP 5.850.00

STANDARD MASS

TERMS OF REFERENCE

- I. **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration of:
 - Troemner (1 g, 5 g, 10 g, 2-pc 20 g, 50 g, 100 g)
 - Stainless (1 g, 200 g)

H. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Uncertainty of measurement must be at least at 95 percent confidence level.
- 4. Calibration standards traceable to certified reference materials must be used.
- 5. Service/calibration report must be provided after performing calibration.
- 6. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 7. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 8. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 9. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 10. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 11. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo Chief SRS, GRFTLD

mulamy bun A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

3 units

CALIBRATION OF TEMPERATURE SENSOR PhP 6.000.00

TERMS OF REFERENCE

- I. **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration at 50°C and 110°C
 - 2. Calibration must be performed at actual operating conditions
 - 3. Elapsed time for temperature rise from different set points must be determined

II. **TERMS AND CONDITIONS:**

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

Chief SRS, GRFTLD | 1

A. M. de Guzman, CESO IV

purchasely Grum

Quantity Article Approved Budget

for the Contract

1 unit **CALIBRATION OF** PhP 2,300,00

TEST RESISTOR

TERMS OF REFERENCE

I. **TECHNICAL SPECIFICATIONS:**

- 1. Calibration at conductivity of 10kOhm
- 2. Calibration must be performed at actual operating conditions

П. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
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- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

Chief SRS, GRFTLD M

Ameliana do Gum A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

11 units

CALIBRATION OF THERMOHYGROMETER PhP 16,500.00

TERMS OF REFERENCE

- **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration of:
 - Temperature
 - Relative humidity
 - 2. Calibration at actual operating conditions

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. \$. Llamo Chief SRS, GRFTLD

houleage burn A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

4 pcs

CALIBRATION OF DIGITAL THERMOMETER

PhP 11,120.00

TERMS OF REFERENCE

- I. TECHNICAL SPECIFICATIONS:
 - 1. Calibration at 5 set points (20, 40, 50, 60, 80 °C)
 - 2. Calibration must be performed at actual ambient conditions

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used
- 6. Service/calibration report must be provided after performing calibration.
- Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD 1/4

A. M. de Guzman, CESO IV

Mulanete Gun

Quantity

Article

Approved Budget for the Contract

2 pc

CALIBRATION OF LIQUID-IN-GLASS

PhP 5,560.00

THERMOMETER WITH -20 °C

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

- 1. Calibration of mercury-filled glass thermometer at 5 set points:
 - Alcohol-filled CT-02 ASTM 6C / IP 2C (-20, -10, -5, 0, 10 °C) partial immersion at 76mm
 - Mercury-filled CT-03 ASTM 5C / IP 1C (-20, -10, -5, 0, 10 °C) partial immersion at 108mm
- 2. Calibration must be performed at actual ambient conditions

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Director, ERTLS

pulla me to brem

Quantity

Article

Approved Budget for the Contract

8 pcs

CALIBRATION OF MERCURY-FILLED GLASS THERMOMETER (4 SET POINTS) PhP 10,400.00

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

1. Calibration of mercury-filled glass thermometers at 4 set points:

Thermometer ID	Thermometer Type	Set Point	Length, mm	Immersion, mm
CT-01	ASTM 121C-8b	0, 99, 100, 101 °C	300 to 310 mm	
CT-16	ASTM 11C / IP 28C	0, 99, 100, 101 °C	305 to 315 mm	25 mm immersion
CT-09	ASTM 120C-86	0, 39, 40, 41 °C	300 to 310 mm	Total immersion
CT-11	ASTM 120C-86	0, 39, 40, 41 °C	300 to 310 mm	Total immersion
CT-12	ASTM 120C-86	0, 39, 40, 41 °C	300 to 310 mm	Total immersion
CT-14	ASTM 46C-86	0, 49, 50, 51 °C	300 to 310 mm	Total immersion
CT-17	ASTM 16C	50, 100, 125, 150 °C	390 to 400 mm	
CT-18	ASTM 34C / IP 21C	40, 50, 60, 100 °C	415 to 425 mm	50 mm immersion

2. Calibration must be performed at actual ambient conditions

II. TERMS AND CONDITIONS:

- Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Uncertainty of measurement must be at least at 95 percent confidence level.
- 4. Calibration standards traceable to certified reference materials must be used.
- 5. Service/calibration report must be provided after performing calibration.
- 6. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 7. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 8. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 9. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 10. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 11. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo
Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

unchambeburn

Quantity

Article

Approved Budget for the Contract

5 pcs

CALIBRATION OF MERCURY-FILLED GLASS THERMOMETER (5 SET POINTS) PhP 6,500.00

TERMS OF REFERENCE

I. TECHNICAL SPECIFICATIONS:

1. Calibration of mercury-filled glass thermometers at 5 set points:

Thermometer ID	Thermometer Type	Set Point	Length, mm	Immersion, mm
CT-06	ASTM 12C	0, 25, 50, 60, 100 °C	415 to 425 mm	Total immersion
CT-07	ASTM 12F	32, 85, 122, 140, 212 °F	415 to 425 mm	Total immersion
CT-08	ASTM 9C / IP 15C	0, 35, 50, 70, 100 °C	285 to 295 mm	57 mm immersion
CT-10	ASTM 9Ç	0, 35, 50, 70, 100 °C	285 to 295 mm	57 mm immersion
CT-19	ASTM 12C	0, 35, 50, 70, 100 °C	415 to 425 mm	Total immersion

2. Calibration must be performed at actual ambient conditions

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025:2017 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Uncertainty of measurement must be at least at 95 percent confidence level.
- 4. Calibration standards traceable to certified reference materials must be used.
- 5. Service/calibration report must be provided after performing calibration.
- 6. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 7. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 8. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 9. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 10. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 11. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

∦/MV⊷ V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV

Director, ERTLS

much sul bun

Quantity

Article

Approved Budget for the Contract

1 unit

CALIBRATION OF TIMER/STOP WATCH PhP 2.600.00

1 CHANNEL

TERMS OF REFERENCE

- l. **TECHNICAL SPECIFICATIONS:**
 - 1. Calibration at the following set points:
 - 5', 7', 10', 20', 30', 60'

II. **TERMS AND CONDITIONS:**

- 1. Calibration facility must be ISO 17025 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- 7. Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mavor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo Chief SRS, GRFTLD

A. M. de Guzman, ČESO IV

Andrewy bry

Quantity

Article

Approved Budget for the Contract

4 units

CALIBRATION OF TIMER/STOP WATCH

PhP 14,400.00

3 Channels

TERMS OF REFERENCE

- 1. TECHNICAL SPECIFICATIONS:
 - 1. Calibration of 3 channels at the following set points:
 - 5', 7', 10', 20', 30', 60'

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
- Certificate of Calibration shall be provided in 5 working days after actual calibration is completed.
- 8. Bid price should be inclusive of all costs/taxes, etc., attendant to the delivery of service.
- 9. One hundred percent (100%) payment will be released only upon satisfactory completion of the calibration and issuance of certificate of acceptance.
- 10. Delivery of Service: Job completion within sixty (60) days upon receipt of Job Order.
- 11. The successful bidder shall conform to the service needed based on the TOR indicated herewith.
- 12. The successful bidder shall provide the following additional requirements:
 - Philgeps registration
 - Updated Mayor's Permit
 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo Chief SRS, GRFTLD A. M. de Guzman, CESO IV

Quantity

Article

Approved Budget for the Contract

2 units

CALIBRATION OF TIMER/STOP WATCH

PhP 9,200.00

5 Channels

TERMS OF REFERENCE

- I. TECHNICAL SPECIFICATIONS:
 - 1. Calibration of 5 channels at the following set points:

3', 5', 6', 7', 8', 10'

II. TERMS AND CONDITIONS:

- 1. Calibration facility must be ISO 17025 accredited by Philippine Accreditation Bureau (PAB).
- 2. Bid must include service/item not specified in the technical specifications but necessary to undertake the equipment calibration.
- 3. Calibration must be conducted on-site.
- 4. Uncertainty of measurement must be at least at 95 percent confidence level.
- 5. Calibration standards traceable to certified reference materials must be used.
- 6. Service/calibration report must be provided after performing calibration.
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 - Philgeps registration
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 - Omnibus Sworn Statement

Recommended by:

Approved by:

V. S. Llamo

Chief SRS, GRFTLD

A. M. de Guzman, CESO IV