



PHILIPPINE BIDDING DOCUMENTS

Supply, Delivery, Installation, and Commissioning of Various Testing Equipment, and Machines for Bureau of Philippine Standards

Government of the Republic of the Philippines

**Bidding No. 21-045
29 October 2021**

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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.



Section I. Invitation to Bid

Supply, Delivery, Installation, and Commissioning of Various Testing Equipment, and Machines for Bureau of Philippine Standards

1. The Department of Trade and Industry, through the General Appropriation Act for CY 2021 and/or continuing appropriations intends to apply the following items below being the ABC to payments under the contract hereunder projects.

Lot no.	Description	Approved Budget for the Contract (ABC)
1	Turnkey Testing Facility for Chemical Elemental Analysis of Cement	PhP22,500,000.00
2	Table-Top Universal Testing Machine	PhP4,100,000.00
3	Cullet Scanner	PhP1,900,000.00
4	Physical Testing Equipment for Cement	PhP8,500,000.00
5	Thermohygroraph	PhP139,000.00
6	Light Transmission Meter	PhP560,000.00
7	Milling and Drilling Machine	PhP200,000.00
8	Generator Set	PhP1,700,000.00

Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The Department of Trade and Industry now invites bids for the **Supply, Delivery, Installation, and Commissioning of Various Testing Equipment, and Machines for Bureau of Philippine Standards (Bidding No. 21-045)**. Delivery of the Goods is required as stated in **Section VI: Schedule of Requirements**. Bidders should have completed, within **three (3) years** from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non- discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from Department of Trade and Industry and inspect the Bidding Documents at the address given below

during office hours from 8 AM to 5 PM, Monday to Friday.

5. A complete set of Bidding Documents may be acquired by interested Bidders on **01 November 2021** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five Thousand Pesos (PhP5,000.00)** for ABC amounting to more than PhP1,000,000.00 up to PhP5,000,000.00, and **Twenty-Five Thousand Pesos (PhP25,000.00)** for ABC amounting to more than PhP10,000,000.00 up to PhP50,000,000.00. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or via electronic mail.
6. The Department of Trade and Industry will hold a Pre-Bid Conference on **08 November 2021, 9:30AM** through video conferencing or webcasting via Zoom, which shall be open to prospective bidders. Zoom Meeting link is contained in Section III (Bid Data Sheet).
7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before **9 AM of 22 November 2021**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on **22 November 2021, 9:30AM** at the Center Conference Room, Trade & Industry Building, 361 Sen. Gil Puyat Avenue, Makati City and/or via Zoom. Zoom Meeting link is contained in Section III (Bid Data Sheet). Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The bidders may submit their bids in any of the following form:
 - 10.1. Physical submission of the documents on the address stated below; or
 - 10.2. Electronic submission of bids with the following guidelines:
 - 10.2.1. The Bidder shall submit three (3) set of files of the same documents in PDF format, NOT EDITABLE, with different individual password before the set deadline. The Encryption Key and Password shall be submitted during the opening of the bids of the concerned bidder.
 - 10.2.2. The Bidder shall have the full responsibility on securing the files submitted are not corrupted. The DTI-BAC shall have three (3) attempts to open the submitted files.
 - If the first file was successfully opened, the two (2) remaining files shall be disregarded.
 - If the first file was corrupted, the DTI-BAC shall open the second file. If the second file was successfully opened, the first and third file shall be disregarded.
 - If the first and second file were corrupted, the third file shall be opened.
 - If the third file was corrupted, the bidder shall be automatically

disqualified.

11. The Department of Trade and Industry 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.
12. For further information, please refer to:

Mary Ann D. Yulas

Assistant Chief, Procurement Management Division

Human Resource and Administrative Service

Department of Trade and Industry

G/F, Trade and Industry Building

361 Sen. Gil Puyat Avenue, Makati City

Tel. No: +63 (2) 7791-3363/3367, Fax No: +63 (2) 895-3515

Email: MaryAnnYulas@dti.gov.ph

Website: www.dti.gov.ph

13. You may visit the following websites:

For downloading of Bidding Documents:

<https://notices.philgeps.gov.ph/>

<https://www.dti.gov.ph/good-governance-program/transparency-seal/bac-resources/>

For online bid submission:

BACSecretariat@dti.gov.ph

29 October 2021

SGD.

MARY JEAN T. PACHECO

Assistant Secretary

Chairperson

DTI-Bids and Awards Committee

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Department of Trade and Industry, wishes to receive Bids, for the second time, for the **Supply, Delivery, Installation, and Commissioning of Various Testing Equipment, and Machines for Bureau of Philippine Standards**, with identification number **21-045**.

The Procurement Project (referred to herein as “Project”) is composed of eight (8q) lots, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

- a. The GOP through the source of funding as indicated below for 2021 in the amount of:

Lot no.	Description	Approved Budget for the Contract (ABC)
1	Turnkey Testing Facility for Chemical Elemental Analysis of Cement	PhP22,500,000.00
2	Table-Top Universal Testing Machine	PhP4,100,000.00
3	Cullet Scanner	PhP1,900,000.00
4	Physical Testing Equipment for Cement	PhP8,500,000.00
5	Thermohygroraph	PhP139,000.00
6	Light Transmission Meter	PhP560,000.00
7	Milling and Drilling Machine	PhP200,000.00
8	Generator Set	PhP1,700,000.00

- b. The source of funding is NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract,

project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:

- i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
- ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
- iii. When the Goods sought to be procured are not available from local suppliers; or
- iv. When there is a need to prevent situations that defeat competition or restrain trade.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA’s CPI, must be at least equivalent to:

- i. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a

decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **three (3) years** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:

- b. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
- b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids

denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid for **one hundred twenty (120) calendar days**. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the

2016 revised IRR of RA No. 9184.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated “*passed*,” using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:
- One Project having several items that shall be awarded as one contract.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <p style="padding-left: 40px;">a. Supply, Delivery and Installation of Testing Equipment;</p> <p style="padding-left: 80px;">a. completed within three (3) years prior to the deadline for the submission and receipt of bids.</p> <p>The prospective bidder should have completed at least two (2) similar contracts and the aggregate contract amounts should be equivalent to at least 50% of the ABC; and</p> <p>The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.</p>
7.1	Subcontracting is not allowed.
8	<p>The Department of Trade and Industry will hold a Pre-Bid Conference on 08 November 2021, 9:30AM through video conferencing or webcasting via Zoom, which shall be open to prospective bidders.</p> <p>Join Zoom Meeting https://zoom.us/j/97580246123?pwd=aHdRWtI0QzI0NXQ4V3BUR29OMkFVQT09</p> <p>Meeting ID: 975 8024 6123 Passcode: 127381</p>
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <p style="padding-left: 40px;">a. The amount of (based on total ABC of the lots which a bidder opts to bid) not less than 2%, if bid security is in cash; or</p> <p style="padding-left: 40px;">b. The amount of (based on total ABC of the lots which a bidder opts to bid) not less than 5% if the bid security is in Surety Bond.</p>
15	<p>a. Physical Submission: Each Bidder shall submit one (1) original and three (3) copies of the first and second components of its bid.</p> <p>b. Electronic Submission: Please refer to Section I (Invitation to Bid Clause 10).</p>

17	<p>Bid opening shall be on 22 November 2021, 9:30AM at the Center Conference Room, Trade & Industry Building, 361 Sen. Gil Puyat Avenue, Makati City and/or via Zoom. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.</p> <p>Join Zoom Meeting https://zoom.us/j/94387352055?pwd=NFBzc1VIUUJjN1dybk5ESmtTLzhZZz09</p> <p>Meeting ID: 943 8735 2055 Passcode: 621599</p>		
19.3	The lot(s) and reference is/are:		
	Lot no.	Description	Approved Budget for the Contract (ABC)
1		Turnkey Testing Facility for Chemical Elemental Analysis of Cement	PhP22,500,000.00
2		Table-Top Universal Testing Machine	PhP4,100,000.00
3		Cullet Scanner	PhP1,900,000.00
4		Physical Testing Equipment for Cement	PhP8,500,000.00
5		Thermohygroraph	PhP139,000.00
6		Light Transmission Meter	PhP560,000.00
7		Milling and Drilling Machine	PhP200,000.00
8		Generator Set	PhP1,700,000.00

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier

in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 5.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p><i>[For Goods supplied from abroad, state:]</i> “The delivery terms applicable to the Contract are DDP delivered <i>[indicate place of destination]</i>. In accordance with INCOTERMS.”</p> <p><i>[For Goods supplied from within the Philippines, state:]</i> “The delivery terms applicable to this Contract are delivered <i>[indicate place of destination]</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p>NEIL P. CATAJAY <i>Director</i> Bureau of Philippine Standards Trade and Industry Building, 361 Sen. Gil J. Puyat Ave., Makati City</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;

	<ul style="list-style-type: none"> c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
	<ul style="list-style-type: none"> e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods. <p>The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.</p> <p>Spare Parts –</p> <p>The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:</p> <p><i>Select appropriate requirements and delete the rest.</i></p> <ul style="list-style-type: none"> a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and b. in the event of termination of production of the spare parts: <ul style="list-style-type: none"> i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested. <p>The spare parts and other components required are listed in Section VI (Schedule of Requirements) and the cost thereof are included in the contract price.</p> <p>The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of [<i>indicate here the time period specified. If not used indicate a time period of three times the warranty period</i>].</p>

	<p>Spare parts or components shall be supplied as promptly as possible, but in any case, within [<i>insert appropriate time period</i>] months of placing the order.</p>
	<p>Packaging –</p> <p>The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods’ final destination and the absence of heavy handling facilities at all points in transit.</p> <p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p>

	<p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	<p>Payments shall be made promptly by the Procuring Entity, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.</p>

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Quantity	Delivered, Weeks/Months	Statement of Compliance
1	Turnkey Testing Facility for Chemical Elemental Analysis of Cement	1 lot	120 c.d.	
2	Table-Top Universal Testing Machine	1 lot	120 c.d.	
3	Cullet Scanner	1 lot	120 c.d.	
4	Physical Testing Equipment for Cement	1 lot	120 c.d.	
5	Thermohygraph	1 lot	60 c.d.	
6	Light Transmission Meter	1 lot	75 c.d.	
7	Milling and Drilling Machine	1 lot	30 c.d.	
8	Generator Set	1 lot	75 c.d.	

Conforme:

Name & Signature of the Authorized Representative

Name of Company

Date

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance																	
1	<p>LOT 1</p> <p>Supply, Delivery, Installation and Commissioning of Turnkey Testing Facility for Chemical Elemental Analysis of Cement</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">ONE (1) TURNKEY X-RAY FLUORESCENCE SPECTROMETER with FUSION MACHINE</td> </tr> <tr> <td style="text-align: center;">A. X-RAY FLUORESCENCE SPECTROMETER (XRF)</td> <td style="text-align: center;">REQUIREMENTS</td> </tr> <tr> <td rowspan="9" style="vertical-align: top;"> <p>For elemental analysis of a wide range of materials, including solids, liquids and loose powders like cement as specified in ASTM C 114</p> </td> <td>1. Compliant with the requirements of ASTM C 114 as to the recommended maximum permissible variations in results. Evidence of compliance with ASTM C 114 shall be provided.</td> </tr> <tr> <td>2. Technology: Wavelength Dispersive X-Ray Fluorescence (WDXRF)</td> </tr> <tr> <td>3. Element Scanning: Sequential</td> </tr> <tr> <td>4. X-Ray Tube:</td> </tr> <tr> <td>4.1 End Window Tube</td> </tr> <tr> <td>4.2 Anode: Rh</td> </tr> <tr> <td>4.3 Window: 75 microns</td> </tr> <tr> <td>4.4 Power rating: not less than 1kW, 20-60kV</td> </tr> <tr> <td>4.5 kV-mA switching: Isowatt switching</td> </tr> <tr> <td>4.6 Employs zero evaporation technology on tube filament to eliminate the major source of instrument drift ensuring extended lifetime, long-term stability and reduced instrument calibration frequency</td> </tr> <tr> <td>4.7 Protected against corrosion, chemical vapors, spilled samples, or dust accumulation</td> </tr> <tr> <td>4.8 X-ray Tube shall be manufactured by the same XRF company to ensure compatibility when tube is replaced in the future.</td> </tr> </table>	ONE (1) TURNKEY X-RAY FLUORESCENCE SPECTROMETER with FUSION MACHINE		A. X-RAY FLUORESCENCE SPECTROMETER (XRF)	REQUIREMENTS	<p>For elemental analysis of a wide range of materials, including solids, liquids and loose powders like cement as specified in ASTM C 114</p>	1. Compliant with the requirements of ASTM C 114 as to the recommended maximum permissible variations in results. Evidence of compliance with ASTM C 114 shall be provided.	2. Technology: Wavelength Dispersive X-Ray Fluorescence (WDXRF)	3. Element Scanning: Sequential	4. X-Ray Tube:	4.1 End Window Tube	4.2 Anode: Rh	4.3 Window: 75 microns	4.4 Power rating: not less than 1kW, 20-60kV	4.5 kV-mA switching: Isowatt switching	4.6 Employs zero evaporation technology on tube filament to eliminate the major source of instrument drift ensuring extended lifetime, long-term stability and reduced instrument calibration frequency	4.7 Protected against corrosion, chemical vapors, spilled samples, or dust accumulation	4.8 X-ray Tube shall be manufactured by the same XRF company to ensure compatibility when tube is replaced in the future.	<p><i>[Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer,</i></p>
ONE (1) TURNKEY X-RAY FLUORESCENCE SPECTROMETER with FUSION MACHINE																			
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		5. Elemental Range: Be to U	<i>samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection. A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.]</i>
		6. X-Ray safety: Compliant with International Safety Standards related to equipment utilizing X-Ray Systems (i.e. IEC 61010-2-091:2019, CSA/UL 61010-2-09, etc.)	
		7. Sample Changer: Can load at least 10 samples per batch and upgradeable to accommodate more samples if necessary.	
		8. Optical Path:	
		8.1 With at least 2 collimators	
		8.2 With at least 5 crystals	
		8.3 With at least 4 beam filters	
		9. Detectors:	
		9.1 Flow counter detector can count up to 3000 kilo counts per second (kcps)	
		9.2 Scintillation detector can count up to 1500 kcps	
		9.3 Inclusive of at least 5 units flow counter window at 1 μ m	
		10. Cooling system: Self-cooling (no separate chiller required)	
		11. Software Requirement:	
		11.1 Can do qualification, quantification with calibration and standard-less analyses	
		11.2 Operated with software compatible Windows based computer with printer	
		12 Inclusive of Certified Reference Materials (CRM) for cement, minimum of 21 standards for cement and 2 validation standards. CRM's shall be manufactured by an ISO 17034 accredited Reference Material Producer and shall be traceable to NIST.	
		13 Software based automatic calibration/routine maintenance	
		14 Provided with standard-less analysis solution for the determination of unknown sample materials for applications other than cement analysis	
		15 Provided with suitable UPS	
		16 Provided with CH4-Ar Gas (P10) with tubing and regulator	

		17 Provision of preventive maintenance services every 6 months for 2 years.	
	B. FUSION MACHINE	REQUIREMENTS	
	Sample preparation in the form of fused beads for accurate, reliable and repeatable sample for XRF analysis	1. Shall be manufactured/designed by the manufacturer of the above-specified WDXRF to ensure full compatibility	
		2. Accuracy/repeatability of sample preparation: $\leq 1\%$	
		3. Capable of producing at least 2 glass bead samples per cycle. Independent synchronous or asynchronous operation.	
		4. Heating mode: Electric	
		5. Temperature operation range: 300 – 1200°C	
		6. Temperature monitored by a type R or S thermocouple inside the heating chamber	
		7. Resistance-based heating system	
		8. Single chamber for crucible and mold heating	
		9. No O ₂ or compressed air needed	
		10. Fully automatic “Cold-to-Cold” operation	
		11. Technology used: Borate fusion	
		12. Temperature control: $\pm 5^{\circ}\text{C}$ or better	
		13. Accelerated temperature recovery ($\sim 100^{\circ}\text{C}/\text{min}$) of the heating chamber with opened door	
		14. Full microprocessor control	
		15. No external cooling system required	
		16. With casting dish sensor. The fusion cycle will not start if the casting dish is not detected.	
		17. Pause and inspection function to visualize the fusion process during the fusion cycle	
		18. With alert system to indicate completion of a fusion cycle	
		19. With at least 2 platinum crucibles (minimum of 40 grams of PT/5% Au) and at least 2 platinum molds (minimum of 53 grams of PT/5% Au)	
		20. Supplied with Borate flux good for at least 1000 samples	

		<p>21. Uses interlocked doors to protect operator from hot material and surfaces</p> <p>22. Crucible and mold holders easily dismantled for cleaning</p> <p>23. Power requirement: Voltage: 220-230 V, 60 Hz</p>	
	<p>C. PROVISION OF TRAINING FOR BPS-PTD STAFF</p>	<p>REQUIREMENTS</p>	
		<p>1. Comprehensive training for BPS-PTD staff on the operation of the installed facility shall be provided not more than two (2) weeks after commissioning.</p> <p>2. At least two (2) BPS-PTD staff shall be afforded with Radiation Safety Officer (RSO) training from an FDA accredited provider. This shall be completed prior to the delivery of the equipment.</p> <p>3. Calibration and Preventive Maintenance training shall be provided to selected BPS-PTD staff not more than two (2) weeks after commissioning.</p>	
	<p>ADDITIONAL REQUIREMENTS (POST-QUALIFICATION)</p> <p>It is the intent of this project to put-up a state-of-the art cement testing facility for compliance testing with local and international standards. Since the reliability and accuracy of the facilities to be procured are of BPS-PTD's utmost interest, additional requirements are set for further compliance.</p>		
	<p style="text-align: center;">REQUIREMENTS</p> <p>1. The brand and model of the XRF to be supplied shall have at least five (5) units installed in the Philippine. Each of the 5 units is owned by a unique cement manufacturer.</p> <p><i>Submit:</i></p> <ul style="list-style-type: none"> - List of installations in the Philippines, including the site addresses and contact numbers for each site. - Certification from respective users attesting to the excellent performance of the equipment and satisfactory evaluation of the aftersales support provided by the supplier. <p>2. The local supplier of XRF and Fusion Machine shall possess more than 10 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal.</p> <p><i>Submit:</i></p>		

<ul style="list-style-type: none"> - Letter of Appointment, Certificate of Distributorship or any similar document issued by the manufacturer to officially engage the local supplier for distribution of the product to the Philippines. <p>3. Local supplier of XRF shall have a minimum of two (2) trained engineers/technicians with the manufacturer's training certification, with at least one (1) engineer having acquired training directly from the principal and has servicing experience with X-rays/X-ray related equipment for at least 5 years.</p> <p><i>Submit:</i></p> <ul style="list-style-type: none"> - CV's and Training certificates of engineers / technicians. <p>4. Technical personnel/s of the XRF and Fusion Machine supplier shall be available during the pilot testing activities of the laboratory to provide technical guidance.</p> <p>5. Provide a minimum of 2 years warranty from the date of installation for both the XRF and Fusion Machine.</p>	
<p>AFTERSALES SERVICE AND MAINTENANCE</p>	
<p>During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:</p>	
<ol style="list-style-type: none"> 1. Send expert technical assistance within two (2) calendar days to verify and troubleshoot the issue upon notification; 2. Bear all expenses arising from this repair/replacement; 3. Immediately notify BPS-PTD in case the Equipment cannot be repaired on site; 4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items; 5. Bear all costs arising from or in connection with the repair and/or replacement, including but not limited to customs duties, taxes and transportation fees; 6. Bear all costs arising from and/or in connection with the delay in case the items dispatched for repair/replacement cannot be returned within the stipulated time; and 7. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue. 	
<p>DUTIES AND RESPONSIBILITIES OF THE SUPPLIER</p>	

1. Supply the above-mentioned equipment with the specifications equal to or better than as specified;
2. Conduct operations training for the BPS-PTD personnel;
3. Supply calibration certificates (if applicable), as well as Conformance Certificates (as necessary);
4. Provide the operations and training manual in printed form (1 copy) and electronic (soft copy) formats; and
5. Shall address BPS-PTD's concerns within one (1) day upon receipt of notification. Expert technical assistance shall be available within two (2) days.

LOT 2

Supply, Delivery and Commissioning of One (1) Lot Table-Top Universal Testing Machine

1-LOT SUPPLY, DELIVERY AND COMMISSIONING OF TABLE TOP UNIVERSAL TESTING MACHINE

COMPONENTS	SPECIFICATIONS
TABLE-TOP UNIVERSAL TESTING MACHINE	1. Load Frame Capacity: not less than 10 kN (1,000 kilograms)
	2. Direct, high precision, constant-rate strain control using non-backlash precision ball-screw drive
	3. Test Force Measurement Accuracy: $\pm 1\%$ of displayed test force for 1/500 – 1/1 of the load cell rated capacity
	4. Compatible with existing BPS-PTD software "Trapezium X" for control, data acquisition, and reporting.
	5. Conforms to JIS B7721 Class 1, EN 10002-2 Grade 1, ISO 7500-1 Class 1, BS 1610 Class 1, DIN51221 Class 1, ASTM E4
	6. Test Force Calibration: Automatic – Tensile and Compression Forces
	7. Crosshead Speed Range: Free step-less setting, 0.001mm/min – 1000mm/min
	8. Maximum return speed: 1500mm/min
	9. Crosshead Speed Precision: $\pm 0.1\%$
	10. Position Control Resolution: 0.025 μm

		11. Crosshead Speed and Permitted Test Force: Maximum load cell capacity across entire speed range	
		12. Crosshead-Table Clearance: Max. 1200 mm	
		13. Effective Test Width: not less than 425 mm	
		14. Crosshead Position Detection Measurement and Display Methods: Optical encoder measurement, digital display Precision: Within $\pm 0.1\%$ of indicated value or ± 0.01 mm whichever is larger.	
		15. Sampling Speed: 1 ms max.	
		16. Test force stroke display function, stress display function, stroke display function, position display function	
		17. Automatic Test Force and Stress control (with auto tuning)	
		18. Automatic Strain control (with auto tuning)	
		19. Test force auto zero/ auto calibration	
		20. Break detection/ auto return	
		21. Load Cell overload detection	
		22. Stress value display/extensometer value display	
		23. Touch-load detection function	
		24. Power Requirements: Single phase, 220-240 V AC, 60Hz	
		25. Automated operation with a Control & Data Processing Software for Tensile, Compression, Bending and Peel tests	
		26. Output data in CSV format	
		27. Supplied with the software compatible computer and printer for operation, data acquisition and report generation.	
		OPERATIONAL AND TENSILE TEST ACCESSORIES	
	Load cell: 10 kN Capacity (Class 1)	28. With calibration certificate	
		29. Accuracy: Within $\pm 1\%$ max of indicated value	
		30. Accuracy Range: 1/500 ~ 1/1 of load cell rated capacity (20 N~10,000 N) or (2 kgf.~1,000 kgf.)	
		31. Includes 10kN TENSILE JOINTS	
		32. Conforms to JIS B7721 Class 1, EN 10002-2 Grade 1, ISO 7500-1 Class 1, BS 1610 Class 1, and ASTM E4	
		33. With calibration certificate	

	Load cell: 1 kN Capacity (Class 1)	34. Accuracy: Within $\pm 1\%$ max of indicated value
		35. Accuracy Range: 1/500 ~ 1/1 of load cell rated capacity (2 N~1,000 N) or (0.2 kgf.~100kgf.)
		36. Includes 1kN TENSILE JOINTS
		37. Conforms to JIS B7721 Class 1, EN 10002-2 Grade 1, ISO 7500-1 Class 1, BS 1610 Class 1, and ASTM E4
	PNEUMATIC FLAT GRIPS (500N/1kN Capacity) with Footvalve Unit 1 SET	38. With 1 set of file surface grip faces for thickness 0-6mm specimens
		39. With 1 set of Rubber-coated grip faces for thickness 0-6mm specimens
		40. Includes with 1 set of Flat, smooth, metal grip faces thickness 0-6mm specimens
		41. Grip Face Width: not less than 50 mm
		42. Allowable Temperature: -10~180 °C
	MANUAL SCREW TYPE FLAT GRIPS (50N Capacity) 1 SET	43. With 1 set of Flat, smooth, metal grip faces for thickness 0-14mm specimens
		44. With 1 set of Rubber-coated grip faces for thickness 0-14mm specimens
		45. With 1 set of single-cut file teeth grip faces for thickness 0-14mm specimens
		46. Grip Face Width: 35 mm
		47. Allowable Temperature: --70~250 °C
HENRY SCOTT TYPE GRIPS (1kN Capacity) 1 SET	48. Grip Surface: Parallel Grooves (Smooth Roller Surface)	
	49. Applicable Specimen Thickness: 0 to 5 mm	
	50. Grip Face Width: not less than 40 mm	
	51. Allowable Temperature: -70~250 °C	
	52. Capacity: 10kN	

	MANUAL NON-SHIFT WEDGE TYPE GRIPS (for flat metal sheet) 1 SET	53. Standard Set-up: File-teeth grip faces for flat specimens
		54. Applicable Specimen Thickness: 0 ~ 7mm
		55. Grip Face Width: not less than 25mm
	PNEUMATIC FLAT GRIPS FOR SHEAR TEST OF PLYWOOD 1 SET	56. Capacity: not less than 10kN
		57. Standard Set-up: Pyramid Serrated Grip Faces with Footvalve
		58. Applicable Specimen Thickness: 0 ~ 28mm
		59. With adjusting rods to accommodate specimens with different thickness
		60. Includes Silent-Type Air Compressor (Local Supply)
	LONG TRAVEL EXTENSOMETER FOR RUBBER 1 SET	61. Applicable Specimen Thickness: 0.5 to 15 mm
		62. Applicable Specimen Width: 1.0 to 30 mm
		63. Gauge Length: 10 to 200mm (Standard GL Setting Rods: 10mm, 20mm, 25mm, 40mm)
		64. Elongation Measurement Range: 100, 200, 500, 1,000 % at each gauge length
		65. Measurement Resolution: ± 0.2 mm (Under 200 mm)
66. Measurement Precision: $\pm 100\mu\text{m}$ or $\pm 0.2\%$ of setting value, whichever is greater		
67. Guaranteed Measurement Precision Range: 10 to 200mm		
68. Tracing Speed: 3,000 mm/min.		

	69. Power Requirements: DC 5V, 220 mA (supplied by Testing Machine)	
ADDITIONAL REQUIREMENTS (POST-QUALIFICATION)		
The reliability of the equipment to be procured is of BPS-PTD's utmost interest, hence additional requirements are set for further compliance.		
REQUIREMENTS		
1. The table-top universal testing machine and the above-mentioned components shall be from a single manufacturer to ensure operational compatibility.		
2. The local supplier, if not the principal, shall possess more than 10 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal.		
<u>Submit:</u>		
- Letter of Appointment, Certificate of Distributorship or any similar document issued by the manufacturer to officially engage the local supplier for distribution of the product to the Philippines.		
3. Local supplier shall have a minimum of two (2) trained engineers/technicians with the manufacturer's training certification and have servicing experience on UTM for at least 5 years.		
<u>Submit:</u>		
- CV's and Training certificates of engineers / technicians.		
4. The local distributor shall be able to conduct UTM calibration and internal adjustment (as necessary).		
AFTERSALES SERVICE		
During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:		
1. Send expert technical assistance within two (2) calendar days to verify and troubleshoot the issue upon notification;		
2. Bear all expenses arising from this repair/replacement;		
3. Immediately notify BPS-PTD in case the Equipment cannot be repaired on site;		
4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items;		

5. Bear all costs arising from or in connection with the repair and/or replacement, including but not limited to customs duties, taxes and transportation fees; and
6. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue.

DUTIES AND RESPONSIBILITIES OF THE SUPPLIER

1. Supply the above-mentioned equipment with the specifications equal to or better than as specified;
2. Conduct operations and preventive maintenance trainings for BPS-PTD personnel within 2 weeks after commissioning;
3. Supply calibration certificate of the equipment;
4. Provide at least two (2) copies of the operations and training manual/documentation in printed (hard copy) and electronic (soft copy) formats; and
5. Customer concerns shall have response within one (1) day upon receipt of notification. Expert technical assistance shall be available within two (2) days.

LOT 3

Supply, Delivery and Commissioning of One (1) Lot Cullet Scanner

1-LOT SUPPLY, DELIVERY AND COMMISSIONING OF	
COMPONENTS	SPECIFICATIONS
CULLET SCANNER	1. Suitable for standard size glass samples with dimensions 1100mm x 360mm
	2. Electric-driven
	3. Maximum scanning speed: Not less than 20 meters per minute
	4. Applicable to glass samples with thickness range of 2.3 mm to 14 mm
	5. Includes necessary scan modules
	6. Manual-driven scanning bridge
	7. Includes scan table (not tiltable)
	8. Includes standup table with monitor mounting device and keyboard placing station
	9. Includes compatible PC hardware and monitor
	10. With at least 360mm width

	<i>UPLIFT FOR MANUAL SCAN TILTABLE SCAN TABLE</i>	11. Compatible with the scan table
	<i>GLASS CONTAINER</i>	12. With dimensions of at least; (L) 1500 x (W) 460 x (H) 820, in mm
		13. With movable rollers
		14. With insertion option for forklift tines
	<i>OPERATING SOFTWARE</i>	15. Compatible with Cullet Scanner hardware
		16. High resolution image creation of the entire fragmentation
		17. With manual or automatic selection of fragmentation area of analysis
		18. Capable of detecting individual cullets, including parameters like area in mm ² , elongation and weight
		19. Capable of defining additional areas for analysis with variable dimension or fixed dimension of 50mm x 50mm
		20. Covers one or more of the following norms: EN 1250, EN 1683, EN 14179, EN 14428, EN 31129.NFF, R 43, ANSI Z97.1-2004, CAN/CGSB-12.1M, CCC and DOT.
		21. Capable of administering master data, specific norms and settings
	ADDITIONAL REQUIREMENTS	
	The reliability of the equipment to be procured is of BPS-PTD's utmost interest, hence additional requirements are set for further compliance.	
	REQUIREMENTS	
	1. The cullet scanner and the above-mentioned components shall ensure operational compatibility.	
	2. The local distributor shall be able to address the End-user's concerns regarding aftersales services like trouble shooting, repair and calibration.	

	<p>AFTERSALES SERVICE</p> <p>During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:</p> <ol style="list-style-type: none"> 1. Send expert technical assistance within two (2) calendar days to verify and troubleshoot the issue upon notification; 2. Bear all expenses arising from this repair/replacement; 3. Immediately notify BPS-PTD in case the Equipment cannot be repaired on site; 4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items; 5. Bear all costs arising from or in connection with the repair and/or replacement, including but not limited to customs duties, taxes and transportation fees; and 6. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue. <p>DUTIES AND RESPONSIBILITIES OF THE SUPPLIER</p> <ol style="list-style-type: none"> 1. Supply the above-mentioned equipment with the specifications equal to or better than as specified; 2. Conduct operations and preventive maintenance trainings for BPS-PTD personnel within 2 weeks after commissioning; 3. Supply calibration certificate of the equipment; 4. Provide at least two (2) copies of the operations and training manual/documentation in printed (hard copy) and electronic (soft copy) formats; and 5. Customer concerns shall have response within one (1) day upon receipt of notification. Expert technical assistance shall be available within two (2) days. 	
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LOT 4	
Supply, Delivery and Installation of Physical Testing Facilities for Cement	
LOT 1 – COMPRESSIVE STRENGTH TEST FACILITY	
1. COMPRESSIVE STRENGTH TESTING MACHINE (1-Turnkey Set)	TECHNICAL SPECIFICATIONS
To measure the compressive strength of cement mortar according to ASTM C 109	1. Compliant with the requirements of test method ASTM C 109/C 109M
	2. Load measurement accuracy: Class A as per ASTM E74
	3. Suitably protected to operate under dusty environment
	4. Capacity: 300 kN or higher
	5. With round compression plates made suitable for 50mm cement cube
	6. Upper compression plate shall be mounted on a spherical seating ball
	7. Microprocessor control and servo-hydraulic control (closed loop)
	8. Software controlled for setting and test programming according to ASTM standard
	9. Operation and software in English language
	10. Real time on-screen display of test results, automatic test reporting and data export to CSV format
	11. Provision of 1 additional unit of branded Windows based laptop computer for integration with the laboratory's system of data acquisition and management
	12. With traceable calibration certificate
	13. Power supply: 220-240 V, 60 Hz, 1-phase
2. AUTOMATIC MORTAR MIXER (1-Turnkey set)	TECHNICAL SPECIFICATIONS
For automatic execution of mixing cycles according to the standards for cement and	1. Preset mixing methods according to ASTM C 305 and C 109
	2. Operated by user-friendly built-in software to perform the mixing according to the standard

	<p>mortar samples preparation</p>	<ol style="list-style-type: none"> 3. Variable speed from the control module screen, to adapt to any standard or customer needs 4. Planetary mixing movement, the paddle rotates on its own axis and driven in a planetary movement around the axis of the bowl, in opposite directions 5. Stainless steel bowl, with a capacity of about 5 liters with handles, according to ASTM C305 6. Stainless steel mixing paddle according to ASTM C305 7. With automatic sand feeder that ensures the discharge of the sand at a regular rate in the time specified by ASTM standard 8. With reference sand adequate for 6 mos. of small scale operation 9. Equipped with detection of the correct position of the bowl with sensors for proximity and position to ensure operator safety 10. Equipped with emergency stop button 11. Rubber blade spatula with plastic handle 12. With 1-pc. spare stainless-steel bowl in accordance with ASTM C 305 13. With 1-pc. spare stainless-steel paddle in accordance with ASTM C 305 14. Power supply: 220-240 V, 60 Hz, 1-phase 	
	<p>3. ELECTRIC FLOW TABLE (1-Turnkey set)</p> <p>Flow tables are used for determining consistency (flow) and for preparing mortars of standard consistency for testing. Flow is determined as percent increase in diameter of a conically-molded mortar.</p>	<p>TECHNICAL SPECIFICATIONS</p> <ol style="list-style-type: none"> 1. Motor driven flow table with counter as per ASTM C230 standard 2. Made of cast iron frame 3. Table made of brass or bronze, 255 ± 2.5 mm in diameter 4. The surface has etched markings of eight equidistant lines 68mm long extending from the outside circumference toward the center of the table. Each line shall end with a scribed arc 6 mm long, whose center point is the center of the table top with a radius of 59.5 mm(

		5. Height of fall: 12.7 ± 0.13 mm
		6. Rugosity: lower than 0.005 mm
		7. With standard bronze conical mold
		8. With brass flow caliper conforming to ASTM standard
		9. With extra 1 unit of bronze conical mold
		10. With hardwood tamper
		11. Power supply: 230 V, 60 Hz, 1-phase
	4. STANDARD SAND "OTTAWA"	TECHNICAL SPECIFICATIONS
	ASTM C778 test sand specially graded for ASTM tests. The naturally rounded silica sands of nearly pure quartz are mined from the Ottawa, Illinois area.	1. Graded Standard Sand (Cube Test Sand), graded between No. 30 (600 μ m) and No. 100 (150 μ m) for compression test.
		2. Made of natural silica (99% silica), water content less than 0.1%
		3. Total weight: 1000kg, packed in 25kg or 50kg bags/box
		4. Certified as ASTM C778 graded (with certificate)
	5. VIBRATING TABLE (1-set)	TECHNICAL SPECIFICATIONS
	For the standard-compliant compaction of cement mortar and other binding materials according to ASTM C109.	1. Compliant with the requirements of ASTM C 109 for the preparation of cement cube specimens
		2. Capable of accommodating at least 2 sets of 3-gang molds for 50 x 50 x 50 mm cement cubes
		3. With clamping devices for the three-gang molds
		4. Table is constructed with stainless steel
		5. Control panel is mounted on top with digital timer and vibration amplitude selector
		6. Vibration amplitude: adjustable 0.75 ± 0.05 mm
		7. Power supply: 220-240 V, 60 Hz, 1-phase
		8. With at least two (2) units of three-gang molds for cubic-type specimens 2" x 2" x 2" according to ASTM C109
		9. With at least two (2) units of feeding hoppers for the three-gang molds
	6. HUMIDITY CABINET FOR CEMENT CURING (1-set)	TECHNICAL SPECIFICATIONS

	<p>After the mixing and compaction, the specimens are stored in a moist atmosphere chamber for 24 hrs. with controlled temperature.</p>	<ol style="list-style-type: none"> 1. Compliant with the requirements of ASTM C109 and ASTM C511 2. Bench-style cabinet not less than 2000mm x 700mm x 800mm (L x W x H), stainless steel construction to double as a working table 3. Usable internal space not less than 400 liters 4. Storage of specimen at temp. of 18 to 25 °C 5. Temperature accuracy: $\pm 1^\circ\text{C}$ 6. Humidity range: higher than 95% \pm 5%RH 7. With switchable internal lighting 8. With system for monitoring and data acquisition in real-time 9. With Ethernet connectivity and USB port 10. With reinforced stainless steel trays 11. With plastic pan for water curing of cement cube specimens of size suitable to accommodate at least 2 sets of 3-gang cube molds (submerged in water) 12. Power input: 220-240 V, 60 Hz, 3-phase 	
	<p>7. THREE-GANG CUBE MOLDS (14-sets)</p>	<p>TECHNICAL SPECIFICATIONS</p>	
	<p>Specimen preparation for compression test compliant to ASTM C 109.</p>	<ol style="list-style-type: none"> 1. Made from steel or any hardened metal, precisely machined 2. Compliant to ASTM C109 for 50 x 50 x 50 mm cement cube (2"x 2" x 2") 	
<p>LOT 2 – CEMENT EXPANSION & SAMPLE PREPARATION FACILITY</p>			
	<p>1. CEMENT AUTOCLAVE (1-set)</p>	<p>TECHNICAL SPECIFICATIONS</p>	
	<p>Designed specifically for testing expansion in the cement. The test specimens are cured in a container with high pressure steam</p>	<ol style="list-style-type: none"> 1. Compliant with the requirements of autoclave method under ASTM C151 2. Capable of accommodating 8 to 10 cement prism specimens of 1x 1 x 10 inches (25 x 25x 254mm), about 8 liters capacity 3. Maximum pressure: 2.4 N/mm² 4. Maximum temperature: 250 °C 5. The automatic control shall be capable of maintaining the gauge pressure at 2 	

		<p>± 0.07 MPa [295 ± 10 psi] for at least 3 hrs.</p> <p>6. The autoclave shall be designed to permit the gauge pressure to drop from 2 MPa to less than 0.07 MPa [295 psi to less than 10 psi] in 1.5 hrs. after the heat supply has been shut off</p> <p>7. With manometer</p> <p>8. With pressure regulator</p> <p>9. With temperature regulator</p> <p>10. With safety valve</p> <p>11. With test certificate showing safety compliance of the pressure vessel</p> <p>12. With 2 spare O-ring gaskets</p> <p>13. With sample holder for 8 cement prism specimens</p> <p>14. Power supply: 220-240 V, 60 Hz, 1-phase</p>	
	2. DIGITAL LENGTH COMPARATOR (2-sets)	TECHNICAL SPECIFICATIONS	
	To measure the change in the length of the specimen subjected to the autoclave test.	<p>1. Compliant with ASTM C 490</p> <p>2. For specimen dimension of 25 x 25 285mm with special gage studs in the ends to fit the bottom and top anvils of the comparator</p> <p>3. Fitted with digital length indicator of range 12.5mm, sensitivity of 0.001mm and accuracy of 0.003mm</p> <p>4. With 2-units of suitable reference bars made of INVAR steel</p> <p>5. Provision of 2 additional unit of branded Windows based laptop computer for integration with the laboratory's system of data acquisition and management.</p> <p>6. Supplied with calibration certificate of the digital indicators and reference bars</p>	
	3. TWO-GANG PRISM MOLDS (10-sets)	TECHNICAL SPECIFICATIONS	
	Specimen preparation for autoclave expansion test compliant to ASTM C 151 and C 490.	<p>1. For specimens of 25 x 25 x 254mm</p> <p>2. Made of stainless steel</p> <p>3. Compliant to ASTM C 151</p> <p>4. With appropriate number of steel contact points (studs) and 10 pcs. spare</p>	
	4. STABLE TEMPERATURE	TECHNICAL SPECIFICATIONS	

	GRAVITY CONVECTION OVEN (1-unit)	
	For drying powder form test specimen	<ol style="list-style-type: none"> 1. Oven Type: Gravity Convection Oven 2. Controller: Microprocessor controller with integrated timer 3. Temperature Range: Ambient temperature to 300°C 4. LCD display 5. Temperature Uniformity: $\pm 1.5^\circ\text{C}$ at 150°C 6. Chamber Volume: At least 100 liters 7. Interior dimensions: Not less than W500 x H500 x D400mm 8. Equipped with adjustable ISO Class 2 safety thermostat with visual alarm to provide full protection against chamber over-temperature 9. Power: 230 V, 60Hz, 1-phase
	5. AIR-JET SIEVING APPARATUS (1-Turnkey set)	TECHNICAL SPECIFICATIONS
	For precision sieving with good dispersion of the product that permits analyses down to 20 microns	<ol style="list-style-type: none"> 1. Utilizes Alpine air-jet sieving principle 2. Sieving range: 5 μm to 4000 μm or better 3. Compliant to air-assisted sieving method as per ASTM C109 4. With LCD display 5. Vacuum control range: 1.0 – 9.9 kPa or better 6. Power supply: 220-240 V, 60 Hz, 1-phase 7. Nozzle speed: 5 to 70 rpm 8. Includes compatible test sieves of sizes 45 microns (# 325) and 75 microns (# 200), 3 units each 9. Protection class: IP 54 or better 10. Multi-voltage module, with electrical connection for vacuum system 11. Capable of exporting and printing analysis reports 12. Fully automatic identification of the test sieve mesh widths 13. Transparent cover made of antistatic Plexiglas 14. Natural bristle brush for cleaning test sieve and cover 15. Hammer with nylon heads 16. Suction filter

		17. Supplied with appropriate high-performance industrial vacuum cleaner, 1-phase 230 V, 60 Hz.
6. DESICCATOR (2-units)		TECHNICAL SPECIFICATIONS
Used for preserving moisture sensitive elements and chemicals		1. Material: Glass
		2. Desiccator type: with vacuum attachment
		3. Diameter: 300mm
		4. With 2 units of porcelain desiccator plates, 2 mm diameter holes
		5. With silica gel (1000g for each desiccator)
7. HARD RUBBER TAMPER (6-units)		TECHNICAL SPECIFICATIONS
It is required by certain specifications when consolidating mortar specimens into smaller molds.		1. Constructed of hard rubber with a Durometer Shore A hardness of 80
		2. Dimensions: 5.5" x 1.0" x 0.5" (139.7 x 25.4 x 12.7mm)
		3. Compliant with the requirements of ASTM C 109
8. TROWEL (3-units)		TECHNICAL SPECIFICATIONS
Used in applying, smoothing, or moving small amounts of cement mixture		1. Pointed cement trowel with PVC handle
9. TEST SIEVES (2 sizes, 3-units per size)		TECHNICAL SPECIFICATIONS
Wire mesh held in frame, used for separating coarser from finer particles.		1. 3 units of 75 microns (ASTM size: # 200)
		2. 3 units of 45 microns (ASTM size: # 325)
		3. With NIST traceable calibration certificates
10. SAMPLING TUBE FOR PACKAGED CEMENT (2-units)		TECHNICAL SPECIFICATIONS
Double-tube sampling probe, brass, used for sampling granular materials.		1. Has 10 openings with no partitions. Meets ASTM EN 196-7, ASTM C 183 standards for bulk sampling of hydraulic cement.
		2. Length: 700 mm
		3. Inner diameter: \emptyset 32 mm
		4. Probe Type: Double Tube

		5. Internal tube capacity: 3 liters (approximately)
LOT 3 – LOSS ON IGNITION TEST FACILITY		
1. LABORATORY FURNACE (1-unit)	TECHNICAL SPECIFICATIONS	
For the determination of loss-on-ignition test of cement	1. Electric muffle furnace	
	2. Temperature up to 1200°C or higher	
	3. 8 to 10 liter chamber volume	
	4. Fold-down or lift door	
	5. Electronic controlled and programmable	
	6. Over-temperature protection	
	7. With ceramic ribbed plate	
	8. Power supply: 220-240 V, 60 Hz, 1-phase/3-phase	
2. HOT PLATE (1-unit)	TECHNICAL SPECIFICATIONS	
For gradually bringing down the temperature of evaporating dish with platinum crucible to avoid thermal shock due to sudden change in temperature from lab furnace	1. Maximum temperature setting: 400 °C	
	2. Heating plate size: Approximately 140mm diameter for circular, at least 120 x 120 mm if rectangular	
	3. Top Plate Material: Ceramic	
	4. Temperature stability: ±5 °C	
	5. Hot top warning indicator	
	6. Automatic over-temperature shut-off	
	7. Power input: 220-240 V, 60 Hz, 1-phase	
3. PLATINUM CRUCIBLES (6-units)	TECHNICAL SPECIFICATIONS	
These crucibles offer high temperature strength and high melting point. Platinum offers oxidation resistance in air and oxygen; and corrosion resistance in acids and melted salts. They prohibit contamination at high temperatures up to 1200°C	1. Made of 95% platinum, 5% gold	
	2. Capacity: 20 ml	
	3. Overall height: not less than 35 mm	
	4. Inside rim diameter: not less than 33 mm	
	5. With platinum lids for each crucible	
4. EVAPORATING DISH (12-units)	TECHNICAL SPECIFICATIONS	

Support the platinum crucibles inside the high temperature furnace to avoid deformation	<ol style="list-style-type: none"> 1. Capacity (ml): 35 (at least) 2. Diameter (mm): 70 to 100 3. Material: Porcelain 4. Description: round form, flat bottom
LOT 4 – CEMENT FINENESS & TIME OF SETTING TEST FACILITY	
1. BLAINE AIR PERMEABILITY TESTER (1-Turnkey set)	TECHNICAL SPECIFICATIONS
For the determination of the specific surface (grinding fineness / Blaine value) of cement in accordance with ASTM C 204	<ol style="list-style-type: none"> 1. Automatic or Semi-automatic test procedure according to ASTM C 204 2. With Blaine cell, inclusive of plunger and perforated disc, with calibration certificate 3. With extractor for the permeability cell (to extract the tested cement and the perforated disc) 4. With manometric liquid (50 ml) of light mineral oil with optimal viscosity, non-toxic (safety datasheet is included) 5. With paper filters \varnothing 12.8 mm., 1000 pcs., medium filtration grade, good for at least 6 months of operation 6. With at least 5 reference cements as standard for ASTM C204 7. With brush for cleaning 8. With plastic funnel for filling the cell 9. Syringe and suction tube for manometric liquid 10. Power supply: 220-240 V, 60 Hz, 1-phase 11. Provision of other accessories, critical spare parts and consumable materials good for an estimated 6 months of operation 12. With Calibration certificate using NIST standard Portland cement
2. LE CHATELIER DENSIMETER FLASK (2-units)	TECHNICAL SPECIFICATIONS
For determination of specific gravity of hydraulic cement. Also needed when determining the specific surface (Blaine).	<ol style="list-style-type: none"> 1. Compliant to ASTM C188 2. Accuracy: 0.05 ml 3. The body holds approximately 250ml. The oval bulb in the neck holds 17ml. 4. Volume below the bulb is graduated from 0 to 1.0ml in 0.1ml subdivisions,

		with an additional 0.1 subdivision below the 0 and above the 1.0ml mark.
		5. The neck is graduated from 18 to 24ml in 0.1ml subdivisions above the bulb (white graduations).
		6. With Chattaway spatula
	3. AUTOMATIC VICAT NEEDLE INSTRUMENT (1-Turnkey Set)	TECHNICAL SPECIFICATIONS
	For the determination of the setting characteristics of cement according to ASTM C191, C187 and C807	1. Fully automatic execution of tests
		2. With stainless steel sliding weight needle-holder for setting tests as per ASTM C191, C187 and C807
		3. With 2 extra needles each, 1.0 mm according to ASTM C191 and 2.0 mm diameter according to ASTM C807
		4. With all necessary accessories for transition from ASTM C191 to ASTM C807 or vice versa
		5. With a set of suitable needle cleaning device
		6. With PC software for test execution and data processing
		7. Operation and software in English language
		8. High precision measurement of the penetration depth by incremental measuring system (resolution better than 0.1 mm)
		9. Provision of 1 additional unit of branded Windows based laptop computer for integration with the laboratory's system of data acquisition and management.
		10. Provision of necessary spare parts and consumable materials good for an estimated 6 months of operation
		11. With traceable calibration certificate
		12. Power supply: 220-240 V, 60 Hz, 1-phase
	ADDITIONAL REQUIREMENT	
	The supplier shall provide a comprehensive training course for at least three (3) BPS-PTD staff on the physical testing of cement using relevant	

	<p>ASTM standards. The training shall involve the test principles with hands-on operation and maintenance of the equipment.</p> <p>AFTERSALES SERVICE AND MAINTENANCE</p> <p>The Supplier shall have a service representative based in the Philippines for immediate diagnosis, maintenance or repair of the test and measuring equipment.</p> <p>During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:</p> <ol style="list-style-type: none">1. Send representatives within two (2) calendar days to verify and troubleshoot the issue upon notification. Experts shall arrive within seven (7) calendar days at the site where the defect(s) of the Equipment is (are) to be repaired or replaced;2. Bear all expenses arising from this repair/replacement;3. Shall immediately notify the BPS-PTD in case the Equipment cannot be repaired on site;4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items;5. Bear all costs arising from or in connection with the repair and/or replacement, including but not limited to customs duties, taxes and transportation fees;6. Bear all costs arising from and/or in connection with the delay in case the items dispatched for repair/replacement cannot be returned within the stipulated time;7. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue. <p>DUTIES AND RESPONSIBILITIES OF THE SUPPLIER</p> <ol style="list-style-type: none">1. Supply the above-mentioned equipment with the specifications equal to or better than as specified.2. Conduct operations training for the BPS-PTD personnel (if applicable).3. Conduct equipment preventive maintenance training (if applicable).4. Provide the operations and training manual in one (1) printed copy and in electronic (soft copy) format.	
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5. Provide calibration certificates (if applicable) as well as conformance certificates (as necessary).

LOT 5

Supply and Delivery of Thermohygrograph

1. Thermohygrograph (5 Units)	TECHNICAL SPECIFICATIONS
For the automatic acquisition and storage of environmental conditions.	1. Measurement parameters: Temperature and Humidity
	2. Sensor: Internal
	3. Connectivity: WiFi
	4. Temperature measurement range: 0 to 50 °C (or wider)
	5. Temperature unit of measurement: °C
	6. Temperature accuracy: ±0.5°C or better
	7. Humidity measurement range: 0 to 100 %RH
	8. Humidity accuracy: ±3%RH or better
	9. Data recording: Periodic upload to Cloud server via local WiFi network
	10. Data is trend is viewable in PC
	11. Logging interval: 10 sec. to 10 min.
	12. Configurable high and low alarms with indicator
	13. Mounting: Wall mounted (provided with mounting bracket)
	14. Display: LCD
	15. Display language: English
	16. IP Rating: IP55
	17. Power Supply: Rechargeable battery
	18. Provided with traceable calibration certificate

DUTIES AND RESPONSIBILITIES OF THE SUPPLIER

1. Supply the above-mentioned equipment with the specifications equal as specified.
2. Conduct user training for the BPS-PTD personnel (if applicable).
3. Conduct equipment preventive maintenance training (if applicable)
4. Provide at least two (2) copies of the operations and training manual/documentation in printed (hard copy) and electronic (soft

copy) formats.

OTHERS

1. Customer concerns shall have response within two (2) days upon receipt of notification. Expert technical assistance shall be available within one (1) week.
2. Calibration certificates (if applicable) should be supplied, as well as Conformance Certificates (as necessary).

LOT 6

Supply, Delivery and Commissioning of One (1) Lot Light Transmission Meter

1-LOT SUPPLY, DELIVERY AND COMMISSIONING OF LIGHT TRANSMISSION METER	
COMPONENTS	SPECIFICATIONS
LIGHT TRANSMISSION METER	1. With light source (wavelength range: 300nm-1100nm or broader)
	2. With adjustable light source (color temperature range covering 2856 ± 50 Kelvin)
	3. For samples with maximum thickness of 20mm
	4. Measurement Range: 0.0% to 100.0% transmittance
	5. Conforms to ASTM D1003 and ASTM E275
	6. CIE 1931 and CIE 1976 chromaticity diagrams
	7. With high precision spectrophotometric sensor
	8. Automatic calculation of standard deviations from reference value
	9. Capable of measuring glass color
	10. Capable of measuring haze
	11. Accuracy: $\pm 2\%$ or better
	12. Repeatability: $\pm 0.2\%$ or better
	13. Automatic calibration
	14. Includes a carrying or storage box
	15. Includes data processing software for Windows 7 or higher

	<p>ADDITIONAL REQUIREMENTS (POST-QUALIFICATION)</p> <p>The reliability of the equipment to be procured is of BPS-PTD’s utmost interest, hence additional requirements are set for further compliance. Statements of compliance are as indicated in Section II.</p> <table border="1" style="margin-left: 40px;"> <thead> <tr> <th style="text-align: center;">REQUIREMENTS</th> </tr> </thead> <tbody> <tr> <td>The brand to be supplied is widely used by companies/institutions worldwide. A list of well-known clients shall be provided.</td> </tr> <tr> <td>The local distributor shall be able to address the End-user’s concerns regarding aftersales services like trouble shooting, repair and calibration.</td> </tr> <tr> <td>The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.</td> </tr> </tbody> </table> <p>AFTERSALES SERVICE</p> <p>During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:</p> <ol style="list-style-type: none"> 1. Send expert technical assistance within two (2) calendar days to verify and troubleshoot the issue upon notification; 2. Bear all expenses arising from this repair/replacement; 3. Immediately notify BPS-PTD in case the Equipment cannot be repaired on site; 4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items; 5. Bear all costs arising from or in connection with the repair and/or replacement, including but not limited to customs duties, taxes and transportation fees; and 6. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue. <p>DUTIES AND RESPONSIBILITIES OF THE SUPPLIER</p> <ol style="list-style-type: none"> 1. Supply the above-mentioned equipment with the specifications equal to or better than as specified; 2. Conduct operations training/ product demonstration for the BPS-PTD personnel within 2 weeks after delivery; 	REQUIREMENTS	The brand to be supplied is widely used by companies/institutions worldwide. A list of well-known clients shall be provided.	The local distributor shall be able to address the End-user’s concerns regarding aftersales services like trouble shooting, repair and calibration.	The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.	
REQUIREMENTS						
The brand to be supplied is widely used by companies/institutions worldwide. A list of well-known clients shall be provided.						
The local distributor shall be able to address the End-user’s concerns regarding aftersales services like trouble shooting, repair and calibration.						
The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.						

3. Conduct equipment preventive maintenance training;
4. Supply calibration certificate of the equipment;
5. Supply quality certificate.
6. Provide at least two (2) copies of the operations manual in printed (hard copy) and electronic (soft copy) formats; and
7. Customer concerns shall have response within one (1) day upon receipt of notification. Expert technical assistance shall be available within two (2) days.

LOT 7

Supply, Delivery and Commissioning of One (1) Lot Milling and Drilling Machine

1-LOT SUPPLY, DELIVERY AND COMMISSIONING OF MILLING AND DRILLING MACHINE	
COMPONENTS	SPECIFICATIONS
<i>MAIN UNIT</i>	1. Maximum Drilling Capacity: (Fe – 40mm), (Steel – 32 mm)
	2. Maximum Drilling Capacity: (face milling – 80 mm), (end milling – 32 mm)
	3. Working table size: at least 730 mm X 210 mm
	4. Working table longitudinal travel: at least 500 mm
	5. Working table cross- travel: at least 230 mm/270 mm
	6. Spindle taper: MT4
	7. Spindle stroke: at least 120 mm
	8. Spindle speed: at least 60 hz
	9. Max distance spindle to table: 680 mm
	10. Head swivel: 360°
	11. Head tilt, left right: 180°
	12. Power & Speed of Motor: maximum of 1.1 kw; at least 1,450 rpm
	13. Maximum Dimensions: 1075 mm x 830 mm x 1315 mm
	14. Gear-driven
<i>ACCESSORIES</i>	15. Draw Bar
	16. Screw driver
	17. Drill chuck arbor

		18. Wedge 19. Wrench 20. Drill chuck 16 mm 21. Exhaust silencer 22. Filter wrench 23. Controller manual 24. 1 Set milling chuck w/ 7 pcs. Collet 25. 1 unit milling vise 26. 1 set clamping kit 27. 1 pc HSS 4flutes endmills 6 mm 28. 1 pc HSS 4flutes endmills 8 mm 29. 1 pc HSS 4flutes endmills 10 mm 30. 1 pc HSS 4flutes endmills 12 mm 31. 1 pc HSS 4flutes endmills 16 mm 32. 1 pc HSS 4flutes endmills 20 mm 33. 1 pc HSS 4flutes endmills 25 mm 34. 1 set cobalt drill bit 1-13mm 35. 1 unit machine stand						
		<p>ADDITIONAL REQUIREMENTS (POST-QUALIFICATION)</p> <p>The reliability of the equipment to be procured is of BPS-PTD's utmost interest, hence additional requirements are set for further compliance. Statements of compliance are as indicated in Section II.</p> <table border="1"> <thead> <tr> <th>REQUIREMENTS</th> </tr> </thead> <tbody> <tr> <td>1. The milling and drilling machine, and the above-mentioned components shall ensure operational compatibility.</td> </tr> <tr> <td>2. The local distributor shall be able to address the End-user's concerns regarding aftersales services like trouble shooting, repair and calibration.</td> </tr> <tr> <td>3. The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.</td> </tr> <tr> <td>4. The local supplier shall provide at least one-year warranty for the milling and drilling machine starting from the date of acceptance of delivery.</td> </tr> </tbody> </table> <p>AFTERSALES SERVICE</p> <p>During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:</p> <ol style="list-style-type: none"> 1. Send expert technical assistance within two (2) calendar days to 	REQUIREMENTS	1. The milling and drilling machine, and the above-mentioned components shall ensure operational compatibility.	2. The local distributor shall be able to address the End-user's concerns regarding aftersales services like trouble shooting, repair and calibration.	3. The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.	4. The local supplier shall provide at least one-year warranty for the milling and drilling machine starting from the date of acceptance of delivery.	
REQUIREMENTS								
1. The milling and drilling machine, and the above-mentioned components shall ensure operational compatibility.								
2. The local distributor shall be able to address the End-user's concerns regarding aftersales services like trouble shooting, repair and calibration.								
3. The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.								
4. The local supplier shall provide at least one-year warranty for the milling and drilling machine starting from the date of acceptance of delivery.								

	<p>verify and troubleshoot the issue upon notification;</p> <ol style="list-style-type: none"> 2. Bear all expenses arising from this repair/replacement; 3. Immediately notify BPS-PTD in case the Equipment cannot be repaired on site; 4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items; 5. Bear all costs arising from or in connection with the repair and/or replacement, including butnot limited to customs duties, taxes and transportation fees; and 6. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue. <p>DUTIES AND RESPONSIBILITIES OF THE SUPPLIER</p> <ol style="list-style-type: none"> 1. Supply the above-mentioned equipment with the specifications equal to or better than as specified; 2. Conduct operations training for the BPS-PTD personnel within 2 weeks after commissioning; 3. Conduct equipment preventive maintenance training; 4. Supply quality certificate of the equipment; 5. Provide certificate of warranty. 6. Provide at least two (2) copies of the operations and training manual/documentation in printed (hard copy) and electronic (soft copy) formats; and 7. Customer concerns shall have response within one (1) day upon receipt of notification. Expert technical assistance shall be available within two (2) days. 	
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LOT NO. 8	
Supply, Delivery, Installation and Commissioning of One (1) Lot 200 kVa Generator Set	
1-LOT SUPPLY, DELIVERY, INSTALLATION AND COMMISSIONING OF 200 kVa GENERATOR SET	
COMPONENTS	SPECIFICATIONS
<i>ENGINE</i>	1. Standby Power: 200 kVa / 160 KW
	2. Prime Power: 182 kVa / 145 KW
	3. Voltage: 230 V
	4. Speed: 1800 rpm
	5. Frequency: 60 Hz
	6. Power factor: 0.8
	7. Three-phase
	8. Silent-type
	9. Fuel-consumption: (38.6 L / hr) 100% load; (29 L / hr) 75% load
	10. Six (6) cylinders
	11. Water-cooled
	12. Four stroke
	13. Turbo-charged diesel engine
	14. OHSAS 18001, IEC 34, ISO 3046 and ISO 8528 compliant
<i>ALTERNATOR/ GENERATOR</i>	15. Synchronous alternator AC
	16. Brushless
	17. Single bearing
	18. Class H insulation
	19. IP 23
	20. Self-excitation and self-regulation
	21. 12 winding leads
	22. Solid-state automatic voltage regulator
	23. Super short circuit withstand ability
<i>CONTROLLER</i>	24. User-friendly digital auto mains failure controller
	25. ATS-ready
	26. Monitor mains supply
	27. Automatically starts generator set
	28. Indicates operational status, troubleshooting and fault conditions
	29. Built with LED indicators and multiple alarms
	30. Auto shut-off (charge failure, high/low voltage, over current, low oil pressure, high temperature, over/under speed, failure to start)

	<i>AUTOMATIC TRANSFER SWITCH</i>	31. Should match with the specifications of the generator set	
		32. Voltage: 230	
		33. Current Rating: 200 kVa	
	<i>ACCESSORIES</i>	34. DCEC Bag	
		35. Operations and maintenance manual	
		36. Engine and alternator certificate	
		37. Door and controller keys	
		38. Maintenance-free batteries	
		39. Battery cable and belt	
		40. Exhaust silencer	
		41. Filter wrench	
		42. Controller manual	
	ADDITIONAL REQUIREMENTS (POST-QUALIFICATION)		
	The reliability of the equipment to be procured is of BPS-PTD's utmost interest, hence additional requirements are set for further compliance. Statements of compliance are as indicated in Section II.		
REQUIREMENTS			
1. The generator set and the above-mentioned components shall ensure operational compatibility.			
2. The brand to be supplied is widely used by companies/institutions worldwide. A list of well-known clients shall be provided.			
3. The local distributor shall be able to address the End-user's concerns regarding aftersales services like trouble shooting, repair and calibration.			
4. The local supplier, if not the principal, shall possess more than 5 years of partnership with the equipment manufacturer to ensure continuous technical support from the principal. A certificate as a reseller or any proof from the manufacturer that they are supplying the said equipment shall be submitted.			
5. The local supplier shall provide at least one-year warranty for the generator set starting from the date of acceptance of delivery.			
AFTERSALES SERVICE			
During the Warranty period, the Supplier upon proper notification of BPS-PTD shall:			
1. Send expert technical assistance within two (2) calendar days to verify and troubleshoot the issue upon notification;			
2. Bear all expenses arising from this repair/replacement;			

	<ol style="list-style-type: none"> 3. Immediately notify BPS-PTD in case the Equipment cannot be repaired on site; 4. Notify BPS-PTD the estimated time for repair/replacement but the period for repair/replacement shall not be longer than four (4) weeks from the dispatch date of the defective and/or damaged items; 5. Bear all costs arising from or in connection with the repair and/or replacement, including but not limited to customs duties, taxes and transportation fees; and 6. Extend the warranty period in days, from the day the issue has been reported to the day the repair/replacement has been successfully made, after the verification of the issue. <p>DUTIES AND RESPONSIBILITIES OF THE SUPPLIER</p> <ol style="list-style-type: none"> 1. Supply the above-mentioned equipment with the specifications equal to or better than as specified; 2. Conduct operations training for the BPS-PTD personnel within 2 weeks after commissioning; 3. Conduct equipment preventive maintenance training; 4. Supply quality certificate of the equipment; 5. Provide proof of authenticity and certificate of warranty. 6. Provide at least two (2) copies of the operations and training manual/documentation in printed (hard copy) and electronic (soft copy) formats; and 7. Customer concerns shall have response within one (1) day upon receipt of notification. Expert technical assistance shall be available within two (2) days. 	
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Conforme:

Name & Signature of the
Authorized Representative

Name of Company

Date

Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);
or
- (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document,
and
- (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;
and
- (d) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

Technical Documents

- (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (Annex A); **and**
- (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents (Annex B); **and**
- (h) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
or
Original copy of Notarized Bid Securing Declaration (Annex C); **and**
- (i) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (j) Original duly signed Omnibus Sworn Statement (OSS) (Annex D); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (k) The Supplier's audited financial statements, showing, among others, the Supplier's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**
- (l) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);
or
A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

- (m) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Other documentary requirements under RA No. 9184 (as applicable)

- (n) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (o) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

25 FINANCIAL COMPONENT ENVELOPE

- (a) Original of duly signed and accomplished Financial Bid Form (Annex E); **and**
- (b) Original of duly signed and accomplished Price Schedule(s) (Annex F).

Statement of Ongoing Contract/s

This is to certify that _____ (Name of Company) _____ has the following ongoing contract/s:

Name of Contract	Date of Contract	Contract Duration	Owner's Name and Address	Kind of Goods	Amount of contract and value of outstanding contracts	Date of Delivery	End user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements (if applicable)

Name of Company/Bidder

Signature over printed Name of Authorized Representative

Date

Statement of Single Largest Contract

This is to certify that _____ (Name of Company) _____ has the following completed contract/s for the period CY _____.

Name of Contract	Date of Contract	Contract Duration	Owner's Name and Address	Kind of Goods	Amount of completed contracts, adjusted by the Bidder to current prices using PSA's consumer price index, if necessary for the purpose of meeting the SLCC requirement	Date of Delivery	End user's acceptance or official receipt(s) or sales invoice issued for the contract, if completed, which shall be attached to the statements

Name of Company/Bidder

Signature over printed Name of
Authorized Representative

Date

Bid Securing Declaration Form

[shall be submitted with the Bid if bidder opts to provide this form of bid security]

REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

BID SECURING DECLARATION Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of *[month]* *[year]* at *[place of execution]*.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

ANNEX D

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and

8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.

9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

Bidding No. 21-045

Supply, Delivery, Installation, and Commissioning of Various Testing Equipment, and Machines for Bureau of Philippine Standards

29 October 2021

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Bid Form for the Procurement of Goods

[shall be submitted with the Bid]

BID FORM

Date : _____

Project Identification No. : _____

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner:

Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of agent	Amount	Purpose of Commission or gratuity
---------------------------	--------	-----------------------------------

(if none, state "None")]

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name: _____

Legal capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

ANNEX F

Price Schedule for Goods Offered from Abroad
[shall be submitted with the Bid if bidder is offering goods from Abroad]

For Goods Offered from Abroad

Name of Bidder _____ Project ID No. _____ Page ___ of ___

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Price Schedule for Goods Offered from Within the Philippines

[shall be submitted with the Bid if bidder is offering goods from within the Philippines]

For Goods Offered from Within the Philippines

Name of Bidder _____ Project ID No. _____ Page ___ of ___

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Performance Securing Declaration (Revised)

[if used as an alternative performance security but it is not required to be submitted with the Bid, as it shall be submitted within ten (10) days after receiving the Notice of Award]

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacture/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this ____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

[Format shall be based on the latest Rules on Notarial Practice]

Contract Agreement Form for the Procurement of Goods (Revised)

CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 20____ between [name of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier”) of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [*contract price in words and figures in specified currency*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
 - i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
 - iii. Performance Security;
 - iv. Notice of Award of Contract; and the Bidder’s conforme thereto; and
 - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

[Format shall be based on the latest Rules on Notarial Practice]

