

PHILIPPINE BIDDING DOCUMENTS

Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages to Public Elementary Schools for Grades 1 to 3 and Grades 4 to 6, Public Junior High Schools for Grades 7 to 10, and Public Senior High Schools for Grades 11 to 12 (CORE & STEM) (MOOE) (FY2022 SME Lots 5 & 7)

Government of the Republic of the Philippines



Bureau of Learning Resources – Cebu

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2024c-BLR4(004)-BV-CB-042

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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.

BDS – Bid Data Sheet.

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])

IB – Invitation to Bid.

ITB – Instruction to Bidders.

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



Republic of the Philippines
Department of Education
BIDS AND AWARDS COMMITTEE V

PROJECT NO.: 2024c-BLR4(004)-BV-CB-042

INVITATION TO BID

FOR THE

Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages to Public Elementary Schools for Grades 1 to 3 and Grades 4 to 6, Public Junior High Schools for Grades 7 to 10, and Public Senior High Schools for Grades 11 to 12 (CORE & STEM) (MOOE) (FY2022 SME Lots 5 & 7)

1. The **Department of Education (DepEd)**, through the Government of the Philippines (GOP) under **2023 LTE-SME Continuing Funds** intends to apply the sum of **Philippine Pesos One Hundred Thirty-One Million, One Hundred Forty Thousand, Two Hundred Ninety-One Pesos and 14/100 (131,140,291.14) only**, being the Approved Budget for the Contract (ABC) to payments under the contract for **Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages to Public Elementary Schools for Grades 1 to 3 and Grades 4 to 6, Public Junior High Schools for Grades 7 to 10, and Public Senior High Schools for Grades 11 to 12 (CORE & STEM) (MOOE) (FY2022 SME Lots 5 & 7)**
broken down as follows:

LOT NO.	DESCRIPTION	ITEMS	APPROVED BUDGET FOR THE CONTRACT (ABC) in PhP
1	Glasswares and Laboratory Tools and Equipment	36 Items specified in Section VII (Technical Specifications) of this Bidding Documents	131,140,291.14
TOTAL			131,140,291.14

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

2. The **DepEd**, through the **Bids and Awards Committee (BAC) V**, now invites bids for the goods and services contemplated in this project. Expected completion of delivery of the goods and services is specified in **Section VI. Schedule of Requirements** and **Section VII. Technical Specifications** of this bidding documents.

Prospective bidder should have completed, within a period of **ten (10) years** immediately preceding the deadline for submission of bids, a Single Largest Completed Contract (SLCC) similar to the contract to be bid and the value of which, adjusted, if necessary, by the Bidder to current prices using the Philippine Statistics Authority's (PSA's) Consumer Price Index (CPI), must be **at least fifty percent (50%)** of the total ABC of the lot bid for;

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 **DepEd Procurement Management Service - BAC Secretariat Division (ProcMS-BACSD)** at **Telephone Nos. 8636-6542 or 8633-9343** and inspect the Bidding Documents at the address given below from **Monday to Friday from 8:00am to 5:00pm.**

5. For those who are interested to purchase the Bidding Documents, two (2) options are made available, to wit:

- a. A complete set of Bidding Documents may be acquired by interested Bidders from the **DepEd ProcMS-BACSD, Room M-512, 5th Floor, Mabini Building, DepEd Central Office Complex, Meralco Avenue, Pasig City**, upon accomplishing a bidder’s information sheet and payment of a non-refundable fee for the Bidding Documents to the **DepEd Cashier**.

Payment in checks should be made payable to **DECS OSEC Trust.**

- b. Interested Bidders may signify their intent to purchase the Bidding Documents through email at depedcentral.bacsecretariat@deped.gov.ph by accomplishing a bidder’s information sheet (**Annex “A”**). Upon receipt of the bidder’s information sheet, the BAC Secretariat Division will send through email the details of the DECS OSEC Trust Fund Account for payment. Upon payment, bidders may send through email the proof of payment before the deadline for submission of bids. Upon receipt of proof of payment, the BAC Secretariat will send the electronic copy of the Bidding Documents.

Upon receipt of proof of payment, the BAC Secretariat will send the electronic copy of the Bidding Documents.

Amount of Bidding Documents shall be **Philippine Pesos Fifty Thousand Pesos (PhP50,000.00) only.**

6. The **DepEd** will hold a Pre-Bid Conference for this Project on **October 17, 2024, 10:00 A.M.** at **Bulwagan ng Karunungan, Ground Floor, Rizal Building, DepEd Complex, Meralco Ave., Pasig City**, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat on or before **10:00 A.M. (Philippine Standard Time), of October 29, 2024** at **Bulwagan ng Karunungan, Ground Floor, Rizal Building, DepEd Complex, Meralco Ave., Pasig City**. Bids will be opened immediately after the aforementioned deadline for receipt of bids, in the presence of the bidders’ representatives

who choose to attend the activity.

Late bids shall not be accepted.

Only **two (2) representatives** per bidder will be allowed to enter inside the venue.

For the purpose of constituting a quorum, both the physical and virtual presence of the BAC members shall be considered pursuant to GPPB Resolution No. 09-2020.

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in Instructions to Bidders (ITB) Clause 14.
9. The **DepEd** 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.
10. For further information, please refer to:

LYKA MA. PATRICIA B. VALENZUELA

Technical Assistant I

Procurement Management Service - BAC Secretariat Division

Rm. M-512, 5th Floor, Mabini Bldg.

DepEd Central Office Complex Meralco Avenue, Pasig City

Telephone Nos. 8636-6542 or 8633-9343

Email address: **depedcentral.bacsecretariat@deped.gov.ph**

11. You may visit the following websites:

For downloading of Bidding Documents:

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

<https://www.deped.gov.ph/>

*Date of Issuance of Bidding Documents: **October 10, 2024***

(SGD.)

ATTY. SUZETTE T. GANNABAN-MEDINA

Director IV and Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **Department of Education (DepEd)**, through its **Bureau of Learning Resources – Cebu (BLR-Cebu)** wishes to receive Bids for the **Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages to Public Elementary for Grades 1 to 3 and Grades 4 to 6, Public Junior High School for Grades 7 to 10 and Public Senior High School for Grades 11 to 12 (CORE & STEM) (MOOE) (FY2022 SME Lots 5&7)** with project identification number **2024c-BLR4(004)-BV-CB-042**

The Procurement Project (referred to herein as “Project”) is composed of **one (1) Lot**, as described in **Section I (Invitation to Bid), Section VI (Schedule of Requirements), and Section VII (Technical Specifications)**.

2. Funding Information

2.1. The GOP, through the source of funding for **General Appropriations Act (GAA) 2024** in the amount of **Philippine Pesos One Hundred Thirty One Million, One Hundred Forty Thousand, Two Hundred Ninety One Pesos and 14/100 (131,140,291.14) only**.

2.2. The source of funding is the **GAA 2024** under **2023 LTE-SME Continuing Fund**. Pursuant to **NBC No. 590**, the funds for this project shall be valid for release, obligation, and disbursement until **December 31, 2024**, subject to any subsequent issuance to this effect.

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 the following:
 - 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 should have a Single Largest Completed Contract (SLCC) **at least one (1)** contract similar to the project to be bid and the value of which, adjusted, if necessary, by the Bidder to current prices using the Philippine Statistics Authority's (PSA's) consumer price index (CPI), must be **at least fifty percent (50%)** of the ABC of the lot bid for;
- 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

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 a period of **ten (10) 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:
 - a. 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, as listed in the **BDS**.

b. For Goods offered from abroad:

- i. Unless otherwise stated in the Bid Data Sheet (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 not be 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 **120 calendar days** reckoned from the date of the opening of bids. 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 of the Bid and/or electronic copies. **Any discrepancy between the hard/paper copies and the copies contained and as presented in the USB Flash Drive, the hard/paper copies will prevail.**

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time at its physical address 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 specific time, date, and location mentioned in paragraph 9 of the **IB**. The Bidders' representatives who are present must 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, and evaluation will be undertaken on a per lot basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot separately.
- 19.3. The descriptions of the lots shall be indicated in **Section VII (Technical Specifications)**, although the ABC of the lot is 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 ABC for the lot/s participated in by the prospective Bidder.
- 19.4. The Project having several items 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 ABC for the lot/s 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 ABC for the lot/s participated in by the prospective Bidder.

20. Post-Qualification

20.1. 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 projects shall be:</p> <p>a. Supply and Delivery of Science Equipment</p> <p>b. completed within a period of at least ten (10) years immediately preceding the deadline for submission and receipt of bids.</p>
7.1	<p>Subcontract</p> <p>Subcontracting shall NOT be allowed.</p>
9	<p>Request for clarifications must be in writing and submitted at least ten (10) calendar days before the deadline set for the submission and receipt of bids.</p> <p>The Procuring Entity's address is:</p> <p style="padding-left: 40px;">Dir. SUZETTE T. GANNABAN-MEDINA <i>Bids and Awards Committee (BAC) V</i> <i>c/o Procurement Management Service-BAC Secretariat Division</i> <i>Rm. M-512, 5th Floor, Mabini Bldg.</i> <i>DepEd Central Office Complex Meralco Avenue, Pasig City</i> <i>Telephone Nos. 8636-6542 or 8633-9343</i> <i>Email address: depedcentral.bacsecretariat@deped.gov.ph</i></p> <p>Consistent with Section 22.5.3 of the revised IRR of RA 9184, posting on the PhilGEPS and the procuring entity's website of any supplemental/bid bulletin shall be considered sufficient notice to all bidders or parties concerned.</p>
11	<p>Documents comprising the Bid: Financial Component</p> <p>The second bid envelope shall contain the financial documents for the Bid, and the Bid Form and Price Schedule as prescribed in the forms provided herein.</p>
12	<p>The price of the Goods shall be quoted DDP (Schools) or the applicable International Commercial Terms (INCOTERMS) for this Project.</p> <p>Bid prices should be written in two (2) decimal places only. Bid prices that are written in more than two (2) decimal places shall be rounded off.</p> <p>Results of bid evaluation that will exceed the ABC shall be a ground for rejection of the bid(s).</p>

14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts indicated in this bidding document.			
		Cost Breakdown of the Approved Budget for the Contract (ABC) PhP <hr/>	Bid Security Form & Amount (if other than Bid Securing Declaration)	
	Lot No. 	Description 	2% of ABC (if bid security is in cash, cashier's/ manager's check, bank draft/ guarantee or irrevocable letter of credit)	5% of ABC (if bid security is in Surety Bond)
1	<i>Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages to Public Elementary for Grades 1 to 3 and Grades 4 to 6, Public Junior High School for Grades 7 to 10 and Public Senior High School for Grades 11 to 12 (CORE & STEM) (MOOE) (FY2022 SME Lots 5&7)</i>	131,140,291.14	2,622,805.82	6,557,014.55
14.2	<p>Bid securities, other than a Bid Securing Declaration, shall be turned over to the DepEd Cash Division for custody. The Bid Securing Declaration shall be under the custody of the BAC Secretariat. The Bid Securing Declaration/Bid Security should indicate the specific Project Identification Number bidded for.</p> <p>Bid Security shall not contain any deletion, crossing-out, expunction, or any form of correction. Otherwise, DepEd may reject such security if any such intercalation, superimposition, or alteration affects any material information or feature of the document.</p>			
15	<p>Prospective bidders shall enclose their original eligibility and technical documents in a sealed envelope marked as “ORIGINAL – TECHNICAL PROPOSAL.” Copies thereof shall be similarly sealed in envelopes marked as “COPY NO. 1 – TECHNICAL PROPOSAL” and “COPY NO. 2 – TECHNICAL PROPOSAL.” In addition, the USB Flash Drive containing the soft copy of the original eligibility and technical documents shall be submitted and marked as “USB Flash Drive.” The said envelopes containing the original and the copies, and the flash drive shall then be enclosed in one single envelope marked as “TECHNICAL PROPOSAL”. On the other hand, the original of their financial</p>			

documents shall be enclosed in **another sealed envelope** marked as **“ORIGINAL – FINANCIAL PROPOSAL.”** Copies thereof shall be similarly sealed in envelopes marked as **“COPY NO. 1 – FINANCIAL PROPOSAL”** and **“COPY NO. 2 – FINANCIAL PROPOSAL.”** The USB Flash Drive containing the soft copy of the original financial documents shall be submitted and marked as **“USB Flash Drive.”** The said envelopes containing the original and the copies, and the flash drive shall then be enclosed in one single envelope marked as **“FINANCIAL PROPOSAL.”** Further, the envelopes marked as **“TECHNICAL PROPOSAL”** and **“FINANCIAL PROPOSAL”** shall be enclosed and/or sealed in an outer envelope marked as **“MOTHER ENVELOPE.”** (See Illustration 1).

Any discrepancy between the hard/paper copies and the copies contained and as presented in the USB Flash Drive, the hard/paper copies will prevail.

Original copies of the Class “A” Eligibility Legal Documents, such as the SEC, DTI, or the CDA registration certificate and the Mayor’s Permit, may not be submitted on the date and the time of the bid submission. However, the bidder must be able to present such original copies during post-qualification on demand by the BAC or its authorized representative(s) for validation.

To facilitate the receipt and classification of bid envelopes, *mother envelope shall be **RED**, the inner envelope containing Technical Proposal shall be **Blue**, the inner envelope containing Financial Proposal shall be **Green**, and the **Post-Qualification Documents** shall be **Brown**.*

Post-qualification documents may be submitted during the bidding but this does not disqualify bidders who will not submit post-qualification documents during bid submission.

Note: Each Bidder shall submit three (3) paper copies (i.e, one (1) original and two (2) copies) of its bid and two (2) USB Flash Drive electronics copies (one Technical Component and one Financial Component). The E-copy of the Price Schedule must be in the form of Excel and PDF.

Unsealed or unmarked bid envelopes, shall be rejected. However, bid envelopes that are not properly sealed and marked as required in the Bidding Documents, shall be accepted, provided that the bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The BAC shall assume no responsibility for the misplacement of the contents of the improperly sealed or marked bid, or for its premature opening.

Bidders are requested to provide tabs for easy identification of the documents.

Online submission of bids is not allowed.

19.3

The Project shall be awarded by lot, details as follows:

LOT NO.	DESCRIPTION	ITEMS	APPROVED BUDGET FOR THE CONTRACT (ABC) in PhP
1	Glasswares and Laboratory Tools and Equipment	36 Items specified in SectionVII (Technical Specifications) of this Bidding Documents	131,140,291.14

	TOTAL	131,140,291.14
	The bidder shall be required to submit bids for all items in the lot. In the event of any incomplete bids for the items in the lot, the bidder will be disqualified .	
19.5	<p>The computation of a prospective bidder’s NFCC must be at least equal to the ABC to be bid, calculated as follows:</p> <p style="text-align: center;"><i>NFCC – [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started</i></p> <p>The values of the domestic bidder’s current assets and current liabilities shall be based on the latest Audited Financial Statements submitted to the BIR.</p> <p>For purposes of computing the foreign bidders’ NFCC, the value of the current assets and current liabilities shall be based on their Audited Financial Statements prepared in accordance with international financial reporting standards. (23.5.1.4a)</p> <p>The NFCC must be supported by the following documents: 1) Certified true copies of the Income Tax Return for the preceding year which should not be earlier than two (2) years from date of bid submission; and 2) Audited financial statement: stamped “RECEIVED” by the BIR or its duly accredited or authorized institution for the preceding year which should not be earlier than two (2) years from date of bid submission.</p> <p>If the prospective bidder submits a committed Line of Credit, it must be at least equal to ten percent (10%) of the ABC of the lots bid for: Provided, that if the same is issued by a foreign Universal or Commercial Bank, it shall be confirmed or authenticated by a local Universal or Commercial Bank.</p> <p>In any case, the NFCC computation or committed line of credit, must be sufficient for all the lots or contracts bid. The NFCC computation shall be in accordance with the prescribed form.</p> <p>In case of a foreign joint venture, the NFCC shall be computed based on the Audited Financial Statements of the LOCAL LEAD PARTNER, <u>unless it is shown by clear proof that the other partners to the joint venture have infused capital investment to support the operation of the local lead partner to ensure compliance with the obligations under the contracts in this project, in which case the NFCC of the foreign joint venture or the minority partner of the joint venture shall be computed.</u></p> <p>For this purpose, the local lead partner shall be that person/organization/company identified in the Joint Venture Agreement or in the Letters of Intents (for potential JV partners) shown to have the controlling stakes in the JV.</p> <p>For easier reference, participating JVs or prospective JV partners must indicate in their JVAs or Letters of Intent the local lead partner appointed by them.</p>	

20.1

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 LCB, the Bidder shall submit the following requirements:

- a. Latest income and business tax returns: Printed copies of the Electronically filed Income Tax and Business Tax Returns with copies of their respective Payment Confirmation Forms for the immediately preceding calendar/tax year from the authorized agent bank;

Only tax returns filed and taxes paid through the BIR Electronic Filing and Payment System (EFPS) shall be accepted.

NOTE: The latest income and business tax returns are those within the last six months preceding the date of bid submission.

- b. Other appropriate licenses and permits required by law and stated in the **BDS**.

During post-qualification, upon demand by the BAC or its representative(s), a bidder with the lowest calculated bid shall be able to present/submit the following:

- a. Documents to verify or support its Statement of On-going and/ or Statement identifying its Single Largest Completed Contract which may consist of the following: appropriate and clear duly signed contracts, purchase orders, agreements, notices of award, job orders, or notices to proceed, with the corresponding duly signed certificate of completion, delivery receipts, inspection and acceptance reports, certificates of final acceptance or official receipts; and
- b. For validation purposes, original copy Class "A" Eligibility documents.

During post-qualification, compliance of the goods offered with the requirements specified in this bidding document shall be determined, including the following:

- i. **As per Section 34.3, b.ii, item a, of the IRR of R.A. 9184**, verification of availability and commitment, and/or inspection and testing for the required capacities and operating conditions, of equipment units to be owned/leased/under purchase by the bidder for use in the contract under bidding, as well as checking the performance of the bidder in its ongoing government and private contracts, if any of these ongoing contracts shows:
 - a. Negative slippage of at least fifteen percent (15%) in any one project or a negative slippage of at least ten percent (10%) in each of two (2) or more contracts;
- ii. **As per Section 34.3, b.iii, items a to c, of the IRR of R.A. 9184**, verification and/or inspection and testing of the goods/product, after sales and/or maintenance capabilities, in applicable cases, as well as checking the following:
 - a. Delay in the partial delivery of goods amounting to ten percent (10%) of the contract price in its ongoing government and private contracts;

- b. If any of these contracts shows the bidder's failure to deliver or perform any or all of the goods or services within the period(s) specified in the contract or within any extension thereof granted by the Procuring Entity pursuant to a request made by the supplier prior to the delay, and such failure amounts to at least ten percent (10%) of the contract price; or
- c. Unsatisfactory performance of the supplier's obligations as per contract terms and conditions at the time of inspection.

If the BAC verifies any of these deficiencies to be due to the bidder's fault or negligence, the BAC shall disqualify the bidder from the award, for the procurement of goods.

In case of foreign bidders, a Certificate of Authentication from the Department of Foreign Affairs shall be required for each document submitted, i.e. the Class "A" documents or its equivalent that are written in foreign language, translated to English, and duly authenticated by the appropriate Philippine foreign service establishment/post or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines.

To facilitate post-qualification, the bidder at its option may submit in advance, i.e., on the deadline for submission and receipt of bids, above requirements and other documents required in *Section II. ITB 20.1*.

The envelope shall be placed in a **brown** envelope and marked:

ITB 20.1 Documents

Name of Project: _____
 Bid Opening Date: _____
 Name of Bidder: _____

Failure to submit the above requirements within the required timeframe or a finding against the veracity of any such documents or other documents submitted for the project shall be a ground for disqualification of the bidder for the award and the enforcement of the bid securing declaration.

Submission of Samples:

In addition to the documentary requirements to be submitted during post-qualification as provided under ITB Clause 20.1, **the bidder/s having the Lowest Calculated Bid/s shall submit ONE sample for each item.**

However, the bidder may provide a sample of better or superior quality, which, if accepted, shall be the reference for award, contract, prospecting, and eventual delivery. In case the item will be manufactured from abroad, the bidder may submit its list of equipment and a video showing the manufacturer's plant and equipment from abroad to prove the bidder's capability to manufacture the item.

These samples shall be subjected to evaluation during post-qualification. The Technical Working Group (TWG) shall evaluate the said samples to determine compliance with the required technical specifications subject to the approval of the Bids and Awards Committee (BAC). Please refer to **Annex "B"** for the **Inspection and Test Protocol**.

	<p>These samples should not be part of the units to be delivered.</p> <p>In case of failed samples, the Supplier is allowed to replace samples within three (3) calendar days from the Notice of Replacement. If the Bidder still fails to submit samples with the minimum DepEd technical specifications, it shall be a ground for disqualification.</p>
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***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 are 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 2016 revised 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 VII (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>The delivery terms applicable under this Contract shall be DDP (Delivered Duties Paid) in accordance with INCOTERMS. Risk and title to the goods shall pass from the Supplier to DepEd upon receipt and final acceptance of the goods at the designated delivery site (Recipient Schools Offices indicated in the Allocation List).</p> <p>The goods to be delivered by the Supplier must be in accordance with the Technical Specifications and other requirements indicated in the bidding documents, and/or as may be reasonably deemed necessary to effect the full and timely delivery of the goods.</p> <p>For purposes of this Clause, the representative of the Department of Education (DepEd) at the delivery site shall be the Authorized Representative (School Head) and the designated Inspectorate Team.</p> <p>Upon delivery of the goods to the delivery site, the Supplier shall notify DepEd and present the following documents:</p> <ol style="list-style-type: none"> 1. Original and four copies of the Supplier’s invoice showing goods’ description, quantity, unit price, and total amount; 2. Original and four copies of the Manufacturer’s and/or Supplier’s Warranty Certificate, where applicable; 3. Original (white copy) and scanned copy stored in CD/DVD/Flash Drive of the pre-numbered Inspection and Acceptance Report (IAR) and Delivery Receipt (DR) detailing number and description of goods received and duly signed and dated by the ARP. <p>In case the Supplier encounters conditions impeding timely delivery of the goods, it must promptly notify DepEd in writing within five (5) calendar days from notice of such conditions, and any request for work suspension and/or contract period extension shall be promptly done in writing as soon as circumstances for such requests have become apparent. The Supplier must provide sufficient proof to support any request for work suspension and/or contract period extension. The grant of such request for extension shall be subject to the discretion of DepEd taking due consideration of the proof provided by the Supplier and/or other surrounding circumstances.</p>

Incidental Services –

The Supplier is required to provide all of the following services, including additional services, if any, specified in the Section VI. Schedule of Requirements:

- 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;
- c. Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- d. Performance, supervision, 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
- e. Provision of training video for various items with training component.

However, assembly, installation, start-up and/or commissioning of items, in cases where they are necessary, shall remain to be the responsibility and for the account of the supplier notwithstanding inspection and acceptance at its premises. In case of failure of Supplier to do this/these, DepEd may call upon the Supplier’s warranty so that the assembly, installation, start-up and/or commissioning shall be undertaken by DepEd. In any case, the Supplier shall provide written manuals and tutorial videos for installation, commissioning, start-up, assembly, use and maintenance of the items delivered.

Packaging –

The Supplier shall provide such packaging 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.

The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided, including additional requirements, if any, and in any subsequent instructions ordered by DepEd.

Additional Instruction for Packaging:

Packaging during “Delivery” should be by recipient school while the item should have its own packaging during “Supply”. It is the strategy of the winning supplier how to re-package it during delivery.

Standard package labeling as follows:

“DepEd Logo

Project Name

Items inside (name, general description, quality)

	<p>Packaging/Unpacking instructions</p> <ul style="list-style-type: none"> • Any special lifting instructions • Any special handling instructions • Any relevant HAZCHEM classifications <p>Supplier’s Name and Contract Details Recipient’s Name and Contract Details”</p> <p>Insurance –</p> <p>The goods under this Contract shall be fully insured by the Supplier in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. The goods remain at the risk and title of the Supplier until their final acceptance by DepEd.</p> <p>Transportation –</p> <p>Transport of the goods shall be arranged and paid for by the Supplier, and related costs thereof shall be included in the contract price.</p> <p>DepEd accepts no liability for the damage of goods during transit. Risk and title to the goods will not be deemed to have passed to DepEd until its receipt and final acceptance at the final destination, through its authorized receiving personnel.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify DepEd against all third-party claims of infringement of patent, trademark, or industrial design rights arising from the use of the goods or any part thereof.</p>
2.2	<p>Schedule of Payment</p> <p>The method and conditions of payment to be made to the Supplier through the Government disbursement procedure within sixty (60) days after the date of acceptance of goods at the project site and upon submission of documents under this Contract shall be as follows:</p> <p>Progress Payment</p> <p>Progress payment shall be paid to the Supplier in accordance with the following:</p> <p><i>Progress payment is allowed upon submission of eligible documents equivalent to at least twenty-five percent (25%) of the contract price with complete delivery and acceptance to the recipient schools.</i></p> <p>Payments shall be subject to the Warranty provision in the form of either retention money in an amount equivalent to one percent (1%) of every progress payment or the Contract Price, or a special bank guarantee in the amount equivalent to one percent (1%) of the Contract Price as provided under Section 62.1 of R.A. 9184 and its Revised IRR.</p>

	<p>Final payment</p> <p>Final payment shall consist of the full and final payment of the unpaid inspected and accepted goods, subject to the submission of the required documents under the Bidding Documents.</p> <p>Release of retention money shall be at the expiration of the warranty period, or the remaining amount in case it has been utilized pursuant to the warranty provision.</p>
3	<p>Performance Security</p> <p>The Performance Security shall be posted in favor of DepEd, and shall be forfeited in the event it is established that the Supplier is in default of any of its obligation under the contract. The Supplier shall be responsible for the extension of its performance security and/or renewal of its performance security whenever necessary and/ without need of prior notice or instruction from DepEd, to ensure that it is in force and effect for the whole duration of the contract delivery period and until a Certificate of Final Acceptance is duly issued.</p> <p>Performance Security shall not contain any deletion, crossing-out, expunction, or any form of correction. Otherwise, DepEd may reject such security if any such intercalation, superimposition, or alteration affects any material information, or feature of the document.</p>
4	<p>Inspection</p> <p>Inspection or pre-delivery inspection (PDI), where applicable for goods to be delivered, shall be conducted by DepEd through the duly designated Inspectorate Team. The inspection or PDI shall be made upon notice to the DepEd of the readiness of the goods for inspection.</p> <p>In case the inspection of goods will be conducted by the designated Inspectorate Team of the DepEd Central Office, the Supplier shall coordinate with DepEd, through the Procurement Management Service-Contract Management Division (ProcMS-CMD), on the conduct of inspection or pre-delivery inspection (PDI). Any request for inspection or PDI shall be done in writing, and contain the following information:</p> <ul style="list-style-type: none"> a. Project Title and Contract Number; b. Specific goods for inspection; c. Quantity of goods for inspection; d. Venue/Address of inspection site; and e. Proposed schedule of inspection which must be at least ten (10) calendar days from the submission of the letter request. <p>The request for inspection or PDI shall be addressed to ProcMS-CMD, and must be submitted through email at procms.cmd@deped.gov.ph.</p> <p>Pre-delivery and Pre-implementation Conference, if applicable, shall be conducted prior to the inspection of goods by the designated DepEd Inspectorate Team, as may be necessary or applicable.</p>

	<p>Prior to and for purposes of inspection, the Supplier shall ensure convenient access to the goods for inspection. The Supplier shall assign personnel to undertake the handling, unpacking, assembly, commissioning, disassembly, repacking, resealing, and sorting of the goods prior to, during, and after the inspection.</p> <p>DepEd shall have the right to visit and inspect the Supplier’s premises covered by the Contract, at any time or stage of contract implementation, to monitor and assess the Supplier’s capacity to discharge its contractual obligations.</p> <p>Goods with defects or non-compliant with the required technical specifications upon delivery shall be rejected in writing, by DepEd and replaced by the Supplier in accordance with the warranty provision of this bidding document. The Supplier shall replace all rejected goods within fifteen (15) calendar days from its receipt of the Notice of Rejection from the recipient schools. The replacement goods shall be subject to re-inspection.</p> <p>Goods are considered defective when they are unfit for the use for which it is intended or its fitness for such use is diminished to such an extent that, had DepEd been aware thereof, it would not have acquired it or would have given a lower price for it.</p> <p>Defects in the goods can either be patent or latent. A patent defect is one that is apparent to the buyer on normal observation. It is an apparent or obvious defect. On the other hand, a latent defect is one that is not apparent to the buyer by reasonable observation. A latent defect is hidden or one that is not immediately determinable.</p>
5	<p>Warranty</p> <p>A one-year comprehensive warranty for the non-expendable goods will be applied. The said warranty period shall reckon from the date of issuance of the Certificate of Final Acceptance by the DepEd that the delivered Goods have been duly inspected and accepted (i.e. final acceptance).</p> <p>Payments shall be subject to the Warranty provision in the form of either retention money in an amount equivalent to three percent (3%) of every progress payment or the Contract Price, or a special bank guarantee in the amount equivalent to three percent (3%) of the Contract Price as provided under Section 62.1 of R.A. 9184 and its Revised IRR.</p> <p>Replacement of all rejected goods may be requested within thirty (30) calendar days from the receipt of Notice of Rejection from the recipient schools.</p> <p>In case the Supplier opts for retention money, the amount shall only be released after the lapse of the entire warranty period, unless during the remainder of the warranty period, the retention money is substituted with a special bank guarantee as prescribed above.</p> <p>The Special Bank Guarantee shall not contain any deletion, crossing-out, expunction, or any form of correction. Otherwise, DepEd may reject such</p>

	security if any such intercalation, superimposition, or alteration affects any material information, or feature of the document.
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Section VI. Schedule of Requirements

A. List/Description of Goods /Services

The delivery schedule expressed below stipulates the date of delivery to the project site.

Item Description	Quantity	Unit of Issue	Contract Period (*if staggered or in tranches, indicate periods per tranches) In Calendar Days
I.SCIENCE AND MATHEMATICS EQUIPMENT (MARKET ITEMS)			
LOT 5 & 7: GLASSWARES AND LABORATORY TOOLS AND EQUIPMENT			
Balance, Toploading, Electronic	7,347	pc	180 Calendar Days for Delivery to 4,699 Recipient Schools
Beaker, borosilicate, 250 mL	75,820	pc	
Beaker, borosilicate, 50 mL	37,910	pc	
Burette, 10 mL capacity (acid)	16,750	pc	
Burette, 10 mL capacity (base)	16,750	pc	
Burner, Alcohol, glass, 150 mL Capacity	37,910	pc	
Burner, Bunsen	20,625	pc	
Cork Stopper # 5 (for Ø 16mm test tube)	20,625	pc	
Crucible with lid/cover	20,625	pc	
Dish, Evaporating, 75 mL	29,255	pc	
Distillation set-up: Condenser, Liebig-type	640	pc	
Distillation set-up: Distilling Flask, borosilicate, 250 mL	640	pc	
Double burette clamp/holder	640	pc	
Electrical Conductivity (Conductivity of Solutions)	6,700	pc	
Electrolysis Apparatus, student-type (Brownlee)	12,375	pc	
Flask, Erlenmeyer, borosilicate. Narrow-mouth, 250 mL	37,910	pc	
Funnel, borosilicate, fluted	22,746	pc	
Glass Tubing	20,625	pc	
Laboratory Hot Plate with magnetic stirrer	3,350	pc	
Manometer, Open U-Tube	640	pc	
Mortar and Pestle, porcelain, 150 mL	29,255	pc	
Osmosis Apparatus	640	pc	
pH meter, hand-held, digital	6,700	pc	
Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	20, 625	pc	
Reagent Bottle, wide-mouth, amber, borosilicate, 250 mL	20, 625	pc	
Rubber Stopper # 0 (for Ø 16mm test tube)	20, 625	pc	

Spatula, spoon, porcelain and glazed	37,910	pc
Stirring Rod, Ø 6 mm x 250 mm long	37,910	pc
Test Tube, borosilicate, Ø 16 mm x 150 mm long	269,605	pc
Test tube brush	37,910	pc
Tong, Crucible	20,625	pc
Universal pH indicator	16,750	pc
Vial, screw-neck, 25 mL (with screw-type plastic cap)	172,240	pc
Vial, screw-neck, 50 mL (with screw-type plastic cap)	172,240	pc
Volumetric Flask, borosilicate 250 mL	19,985	pc
Watch Glass, Ø 90 mm	37,910	pc
TOTAL	1,311,438	pc

B. Contract Duration

Complete delivery shall be made within the contract duration stipulated above, from the date of receipt of the Notice to Proceed (NTP).

C. Delivery Sites

Goods shall be delivered and inspected at the Recipient Schools Offices, please see **Annex “C”** for the Allocation List.

Statement of Compliance

I/We have read and understood the requirements/scope of service/terms of reference and conditions stipulated herein and shall therefore comply to the conditions set forth in the Contract with respect to this **Section VI. Schedule of Requirements**, if our bid is considered for award.

Name and Signature of Bidder’s Authorized Representative

Section VII. Technical Specifications

Technical Specifications

Item	Specification	Statement of Compliance
		<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, 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></p>

A. General Specification

Item	Description
1	All equipment and components must be of the required level of technology, new, compliant with the requested specifications, responding to current quality standards in international markets, manufactured by reputable and consolidated international brands, reliable and fully adequate for the intended purpose.
2	All equipment markings, user manuals and electronic copies must be in English.
3	All equipment shall conform and operate on the standard electric supply in the Philippines (220Vac, 50/60 Hz power, type A & B power sockets)
4	All equipment must be able to operate in the environmental conditions of the different locations in The Philippines, especially considering humid environments at temperatures ranging from 8°C to 45°C, dusty and moisty environments and frequently salty air.
5	All connections between components shall be ready to operate, once installation is finalized.
6	All necessary cables, adaptors and connections must be included and clearly marked in English, in order to facilitate rapid and accurate assembly.
7	Bidder should execute an Undertaking that the spare parts are available nationwide for a minimum period of five (5) years and that the original brand of the spare parts are made available to DepEd.
8	Imported products should pass international quality control product standards and have international quality control product markings such as CE, ISO, ASTM, ASQC, AFCIQ, ASQ, DGQ, EOQC, IQA, and the likes, while locally made products (Philippine-made) should pass the local quality control product standards and bear the PS mark.
9	The items must be branded and permanently marked on the item/s or its appropriate packaging and must be in good quality free from any defects, toxic materials, and must be properly packed.

B. Detailed Technical Specification

ITEM	DESCRIPTION	TECHNICAL SPECIFICATION	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
I. SCIENCE AND MATHEMATICS EQUIPMENT (MARKET ITEMS)				
GLASSWARES AND LABORATORY TOOLS AND EQUIPMENT				
1	Balance, Toploading, Electronic	Functional Specifications: Used to measure an object's mass up to 500 g capacity accurate up to 0.01 g readability		

		Performance Specifications: Must be able to measure an object's mass up to 500 g capacity accurate up to 0.01 g readability to determine mass relationship in a chemical reaction		
		Design Specifications:		
		1. Type : Digital		
		2. Shape of pan : Rectangular		
		3. Material of pan : Stainless steel		
		4. Removable high strength stainless steel weighing platform		
		5. Load/Capacity : 500 g		
		6. Readability/Accuracy : 0.01 g		
		7. Repeatability : 0.01 g		
		8. Comes with 500 g span calibration mass		
		9. Power Supply : 220-240V/ 50Hz		
		10. With large Liquid crystal display (LCD) with backlight		
		11. With multiple weighing units and overload protection		
		12. With automatic calibration		
		13. With standard RS 232 interface		
		14. Parts counting and percentage weighing		
		15. With accessories, such as:		
		a) the power cord,		
		b) AC Adapter and		
		c) 4 AA batteries		
		d) draft shield		
		16. With Statement of Accuracy/ Certification of Accuracy latest issued by the concerned institution which must conform to the authoritative standards appropriate to the goods' country of origin		
		17. Comes with a training video that shows the actual equipment submitted and approved during the sample evaluation in a USB and shall contain the following:		
		I. Training Video Contents:		
		a. Name of the equipment		
		b. Parts of the equipment		
		c. Instruction on how to use the equipment		
		d. Sample Experiment/Activity using the equipment		
		e. Maintenance of the equipment		
		f. Troubleshooting		
		g. Storage and safekeeping (include cleaning) of the equipment		

		II. Training Video details:		
		a. Shall be in MP4 format. b. Shall be saved in a USB 3.0 Flash Drive. c. Shall have a High-Definition resolution of at least 1080p. d. Shall have a readable subtitle (font style & size: Arial, 22 Bold) in English that is grammatically error-free and with correct spelling and punctuation marks and in sync with a voiceover/narration. There is an ON/OFF option for subtitle. e. Shall comply an aspect ratio of 4:3. f. Shall have a cover video pane containing the equipment name and a video pane for each video content. g. The video, voiceover (audio), and subtitle shall be in sync. h. The training video shall cover all the above requirement (video contents).		
		18. Must be rust-free, free from dirt and breakage, cracks, chipped and sharp edges, other surface irregularities including all other defects not stated herein		
		19. Comes with a brand marked permanently onto the item		
		20. Must be brand new		
2	Beaker, borosilicate, 250 mL	Functional Specifications: Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 100°C for normal, standard use service		
		Performance Specifications: Must be able to contain/hold /prepare solids and liquids during chemical reaction and heats them over a Bunsen burner's flame up to more than 100°C for normal, standard use service		
		Design Specifications:		
		1. Features a cylindrical container with straight sides, a flat bottom, with a beaded rim and with a small spout (or "beak") to aid in pouring.		
		2. Material: Borosilicate, clear, smooth, and transparent bubble-free glass with the following dimensions:		
		Outside diameter: 68-70mm		

		Height: 90-92 mm		
		Thickness: 1.5 mm to 2.0 mm		
		3. Type: Griffin, low form		
		4. Features an easy-pour spout		
		5. With permanent colored graduations of approximate volumes, large colored easy to read block letters, numbers and inscriptions/markings enamelled onto the glass, which includes the following:		
		a) Capacity: 250 mL		
		b) Manufacturer's name or trademark		
		c) With large white marking spot		
		d) With double graduated metric scale		
		d1) With marking graduation to fill: starts at 25 mL in 25mL increments		
		d2) With marking graduation to empty: starts at 0 mL in 200 mL increments		
		d3) Graduation interval: 25 mL		
		d4) Graduation range: 25 mL to 250 mL		
		6. Must be able to stand solidly/is stable when placed on a level surface		
		7. Must be free from breakage, cracks, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein		
		8. Must be able to withstand heating of water up to 150 deg C		
		9 Wrapped in paper, enclosed in bubble wrap and packed individually in a compartmentalized box		
		10. Comes with a brand enamelled permanently onto the glass		
		11. Must be brand new		
3	Beaker, borosilicate, 50 mL	Functional Specifications: Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 100 °C		
		Performance Specifications: Must be able to contain/hold /prepare solids and liquids during chemical reaction		

		and heats them over a Bunsen burner's flame up to more than 100 °C		
		Design Specifications:		
		1. Features a cylindrical container with straight sides, a flat bottom with a beaded rim and a small spout (or "beak") to aid in pouring		
		2. Material: Borosilicate, clear, smooth, and transparent bubble-free glass with the following dimensions:		
		Outer diameter: 40-42 mm		
		Height: 55-57 mm		
		Thickness: 1.5 to 2.0 mm		
		3. Type: Griffin, low form		
		4. Features an easy-pour spout		
		5. With permanent colored graduations of approximate volumes, large colored easy to read block letters, numbers and inscriptions/ markings enamelled onto the glass, which includes the following:		
		a) Capacity: 50 mL		
		b) Manufacturer's name or trademark		
		c) With large white marking spot		
		d) With single graduated metric scale		
		d1) With marking graduation to fill: starts at 10 mL in 10 mL increments		
		d2) Graduation interval: 10 mL		
		d3) Graduation range: 10 mL to 50 mL		
		6. Must be able to stand solidly/is stable when placed on a level surface		
		7. Must be free from breakage, cracks, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein		
		8. Must be able to withstand heating up water up to 150°C		
		9. Wrapped in paper, enclosed in bubble wrap and packed individually in compartmentalized box.		
		10. Comes with a brand enamelled permanently onto the glass		
		11. Must be brand new		
4	Burette, 10 mL capacity (acid)	Functional Specifications: Used to hold/contain the acid up to 10 mL capacity as a titrant to be delivered/		

		dispensed to titrate the base in acid-base titration to determine unknown concentration of base		
		Performance Specifications: Must hold/contain the acid up to 10 mL capacity as a titrant to be delivered/dispensed to titrate the base (with color change from pink to colorless when end point is reached) in acid-base titration to determine unknown concentration of base		
		Design Specifications:		
		1. Features a long,vertical cylindrical glass tube with a volumetric graduation on its full length,with a leak-free plastic stopcock at its lower end and a tapered capillary tube at the stopcock's outlet.		
		2. Material : Clear, transparent, smooth, bubble-free high quality borosilicate glass, with the following dimensions:		
		Length of burette: 510-620 mm		
		3. Fitted with grease-free interchangeable with 1.5 to 2 mm bore plastic leak-free stopcock plug. Material of of stopcock :PTFE key		
		4. With permanent, durable colored markings in fine, clear, continuous, sharp, of uniform width, distinct colored graduation lines of approximate volumes, clearly legible and indelible block letters, inscriptions/ markings under normal conditions of use of the burettes, and large, easy-to-read numbers every 0.5 mL enamelled permanently onto the glass before the first graduation line which includes the following:		
		a) Manufacturer's name or trademark		
		b) Capacity: 10 mL		
		c) Sub. Div. : 0.05 ml		
		d)Tolerance: ± 0.02 - ± 0.03 mL		
		e) Class: A		
		f) Unit of volume: mL		
		g) Ex		
		h) Reference Temp: 20°C-27°C		
		5. With Statement of Accuracy /Certificate of Accuracy) latest issued by the concerned institution which must conform to the		

		authoritative standards appropriate to the goods' country of origin		
		6. Marked with an individual serial number (Serially Numbered)		
		7. Individually placed in bubble wrap, enclosed in a polystyrene and packed in a padded sturdy box.		
		8. Must be free from breakage, leaks, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein.		
		9. Includes Operations Manual in English,		
		10. With Activity Sheets/Teacher's Manual in English		
		11. Comes with a brand enamelled permanently onto the glass		
		12. Must be brand new		
5	Burette, 10 mL capacity (base)	Functional Specifications: Used to hold/contain the base as a titrant to be delivered/ dispensed to titrate an acid up to 10 mL capacity in acid-base titration to determine unknown concentration of acid		
		Performance Specifications: Must hold/contain the base as a titrant to be delivered/ dispensed to titrate an acid up to 10 mL capacity (with color change from colorless to very faint pink when end point is reached) in acid-base titration to determine unknown concentration of acid		
		Design Specifications:		
		1. Features a long, graduated glass tube, with a leakage-free stopcock at its lower end and a tapered capillary tube at the screw type stopcock's outlet.		
		2. Material : Clear, transparent, bubble-free, smooth borosilicate glass, with the following dimensions:		
		a) Length of burette: 444.5-520 mm		
		3. With PTFE (screw-thread type/needle valve-Rotaflow leak-proof plastic) stopcock		
		4. With permanent, durable colored markings in fine, clear, continuous, sharp, of uniform width, distinct colored graduation lines of approximate volumes, clearly legible and indelible block letters and		

		inscriptions with large, easy-to-read numbers every 0.5-1.0 mL subdivisions enamelled permanently onto the glass, before the first graduation line, which includes the following:		
		a) Manufacturer's name or trademark		
		b) Capacity: 10 mL		
		c) Sub. Div. : 0.05 ml		
		d) Tolerance: 0.05 mL		
		d) Class: B		
		e) Unit of volume: mL		
		f) Ex		
		g) Reference Temp: 20°C-27°C		
		5. With machine Jet flow control which is made from thick walled capillary tubing which forms an integral part of the burette shall have no cavity at the join likely to trap air bubbles.		
		6. With Statement of Accuracy /Certificate of Accuracy) latest issued by the concerned institution which must conform to the authoritative standards appropriate to the goods' country of origin		
		7. Marked with an individual serial number (Serially Numbered).		
		8. Individually placed in bubble wrap, enclosed in polystyrene and packed in a padded sturdy box		
		10. Must be free from breakage, leaks, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein.		
		11. Includes Operations Manual in English,		
		12. With Activity Sheets/Teacher's Manual in English		
		13. Comes with a brand enamelled permanently onto the glass		
		14. Must be brand new		
6	Burner, Alcohol, glass, 150 mL Capacity	Functional Specifications: Used to produce hot, consistent open flame for slow/gentle heating of glasswares and substances		
		Performance Specifications: Must be able to produce hot, consistent open flame a)for slow/gentle heating of glasswares and substances		

		b)can withstand prolonged heating without breaking		
		c) visually determine the identity of an unknown metal or metalloid ion based on the characteristic color the chemical/salt emits on the Bunsen flame to investigate reactions of ions and apply these in qualitative analysis through an activity, on Flame Test		
		d) bend a glass tubing		
		e) heat, to sterilize, to accelerate, and to trigger chemical reactions,		
		f) for combustion purposes and techniques		
		Design Specifications:		
		1. Features a globe-shaped body and flat base (bottom) with threaded mouth		
		2. Material : Sturdy, heavy walled, clear, transparent, smooth, bubble-free glass,		
		3. Capacity : 150 mL		
		4. With rust/corrosive-free wick holder permanently attached to a threaded base		
		a) Material of wick holder and cover/caps : Nickel-plated brass		
		b) Type of wick holder : Threaded		
		5. With one (1) pc cotton fiber/strand braided wick perfectly fitted to the wick tube		
		a) Material of wick : Cotton fiber/strand		
		b)Type of wick: Well-braided		
		c)Length of wick : 178-1809 mm		
		d)Diameter : 5-6 mm		
		6. With shiny, smooth, and corrosion-free metal snuff/snap-on cover/cap		
		7 With ten (10) pc replacement well-braided cotton fiber/strand wicks		
		8. Wrapped in paper, enclosed in bubble wrap and packed in a compartmentalized box		
		9. Must be free from rust, breakage, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein.		
		10. Comes with a brand printed		

		permanently onto the box		
		11. Must be brand new		
7	Burner, Bunsen	Functional Specifications: Used to :		
		a) produce single, hot, continuous, consistent open blue flame		
		b) for slow/gentle heating of glasswares and substances,		
		c) rapidly heat high-boiling liquids with low flammability like water		
		d) heat, sterilize/accelerate/ trigger chemical reactions,		
		e) for combustion purposes		
		Performance Specifications: Must be able to produce a single, hot, continuous, consistent open blue flame to:		
		a) visually determine the hottest part of the Bunsen flame		
		b) visually determine the identity of an unknown metal or metalloid ion based on the characteristic color the chemical/salt emits on the Bunsen flame to investigate reactions of ions and apply these in qualitative analysis through an activity, on Flame Test		
		c) bend a glass tubing		
		d) used as a heating medium to demonstrate distillation, as one of the simple separation techniques		
		e) slow/gentle heating of glasswares and substances		
		f) rapidly heat high-boiling liquids with low flammability like water		
		g) heat, to sterilize, to accelerate, and to trigger chemical reactions,		
		h) for combustion purposes and techniques		
		Design Specifications:		
		1.Type : Gas type with accessories		
		2. Features a long, hollow burner tube with stabilizer top and serrated inlet tube		
		3. Material for burner tube : Aluminum, with the following dimensions:		
		. a) Diameter of burner tube: 11-12		

		mm diameter		
		b) Over-all height: 152-155 mm		
		4. With flame stabilizer		
		5. With threaded gas needle valve (located opposite to serrated inlet tube)		
		6. Material of base: Nickel-plated zinc-alloy		
		7. Must be able to stand solidly/is stable when placed on a level surface		
		7. Must be able to stand solidly/is stable when placed on a level surface		
		8. Individually packed in a sturdy box		
		9. With User's Manual and Operations Guide in English		
		10. Comes with Activity Sheets with Teacher's Manual in English		
		11. For numbers #9 to 10; the technical specifications (a-e) must be followed:		
		a) For Contents List of materials, In Table form		
		b) For User's Manual, Instruction Sheets/Assembly Guides, In sentences format		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		
		c) In original print, not photocopied		
		d) In colored pictures, drawings/illustrations		
		e) In 0.3 mm minimum thickness plastic laminated keycard that shall contain the actual colored picture of the model including the name: labeled with the required parts with details as follows:		
		i) Paper Size : A4 size , 80 gsm		
		ii) Font : Times New Roman		
		iii) Font size : 12		
		iv) Margins on all sides with 2 point width border line		
		v) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		12. Must be free from rust, cracks, chipped rims and sharp edges, surface irregularities and all other		

		defects not stated herein.		
		13. Comes with a brand printed permanently on the box		
		14. Must be brand new		
8	Cork Stopper # 5 (for Ø 16mm test tube)	Functional Specifications: Used to seal the openings of 16 mm diameter test tubes and other laboratory glassware to prevent leaks, hazards and contamination to yield positive results during chemical reactions		
		Performance Specifications: Must be able to seal the openings of 16 x 150 mm test tubes and other laboratory glassware and to prevent leaks, hazards and contamination to yield positive results during chemical reactions		
		Design Specifications:		
		1. Features an extra Select Grade cylindrical with a tapered bottom end with fewer lenticels (crevices)		
		2. Material of cork : Elastic and near impermeable with the following dimensions:		
		a) Height : 22-22.5 mm		
		b) Top Ø : 15-15.5 mm		
		c) Bottom Ø: 13-13.5 mm		
		3. Number of cork stopper: #5		
		4. Must perfectly fit the 16 x 150 mm test tube		
		5. Must be free from defect of discontinuities in the cork tissue such as "lung", exfoliation, and insect, ant/worm galleries and all other defects not stated herein.		
		6. Packed in a resealable plastic bag		
		7. With brand printed permanently on the resealable plastic bag		
		8. Must be brand new		
9	Crucible with lid/cover	Functional Specifications: Used as a container to heat metals or other substances may be melted or subjected to very high temperatures		
		Performance Specifications: Must be able to contain elements, compounds, metals, organic compounds or other substances to be melted or subjected to very high temperatures to determine mass relationship in a chemical reaction		
		Design Specifications:		
		1. Features a high/tall form cylindrical crucible		

		2. Capacity : 30 mL		
		3. Material : Porcelain, with the following dimensions:		
		a) Height : 43-50 mm		
		b) Base diameter: 24-26 mm		
		c) Top diameter: 33-40 mm		
		4. Glazed inside and out, except outside bottom and rim.		
		5. With crucible cover completely glazed except for rim.		
		6. Must be able to stand solidly flat/is stable when placed on a level surface		
		7. Must be free from breakage, cracks, chipped rims and sharp edges, surface irregularities and all other defects not stated herein		
		8. Comes with a brand printed permanently in the compartmentalized sturdy box		
		9. Must be brand new		
10	Dish, Evaporating, 75 mL	Functional Specifications: Used to contain/hold substances and to heat chemical solutions gradually, driving off the water to leave residual chemical solute		
		Performance Specifications: Must be able to contain/hold substances and to demonstrate evaporation, as one of the techniques in separating mixtures, by heating chemical solutions gradually, driving off the water to leave residual chemical solute		
		Design Specifications:		
		1. Features a deep form, broad, and wider at the top, with round bottom		
		2. Material : Porcelain, with the following dimensions:		
		a) Diameter : 80-84 mm		
		b) Height/depth : 30-35 mm high		
		3. Capacity: 75 mL		
		4. With pouring lip/spout		
		5. Must be free from breakage, cracks, chipped rims and sharp edges, other surface irregularities and other defects not stated herein.		
		6. Must be able to contain the salt solution for an experiment on evaporation		
		7. Must be free from breakage, cracks, scratches, chipped rims, sharp edges, surface irregularities		

		including all other defects not stated herein.		
		8. Each dish is individually packed, wrapped in paper, and packed in a sturdy box		
		9. Comes with a brand printed permanently in the sturdy box		
		10. Must be brand new		
11	Distillation set-up: Condenser, Liebig-type	Functional Specifications: Used to condense the water vapor into its liquid state producing a distillate		
		Performance Specifications: Must be able to condense the water vapor into its liquid state producing a distillate, used in distillation, as one of the simple separation techniques		
		Design Specifications:		
		1. Features two concentric straight glass tubes, the inner one being longer and protruding at both extremities, surrounded by a water jacket with sealed inner tube and outer tube of an inner straight tube surrounded by an outer jacket tube, the cool water flows through the outer jacket to condense the vapor in the inner tube, having a better cooling performance than air condenser.		
		2. Material : Transparent, smooth, clear, bubble-free borosilicate glass, with the following dimensions:		
		a) Tubulation OD: 9-15 mm		
		b) Jacket OD : 40- 43 mm		
		c) Jacket length : 300-301 mm		
		d) Over-all Length: 458-460 mm		
		3. With the following permanent inscriptions and numbers permanently enamelled onto the glass:		
		a) Manufacturer's name or trademark		
		b) Ground cone and socket joint: 24/40		
		4. With sealed inner tube		
		5. With Standard Taper Outer and Inner Joints permanently enamelled onto the glass the glass		
		5. With a drip tip at the bottom		
		6. Accessories:		
		a) One (1) pc rubber stopper that will fit upper (inlet) tube		

		i) Number of rubber stopper : #3		
		ii) Number of hole : One (1) hole		
		iii) Diameter of hole : 5.0-5.5 mm		
		iv) Hardness : 40-45 Duro		
		b) Rubber tube		
		Material of rubber Hose : Non-tacky, Latex rubber tube with the following dimensions:		
		ii) Inner diameter : Ø 8.0- 8.5 mm		
		iii) Outer diameter : Ø 12.0- 12.5 mm		
		iv) Length : 3000-3005 mm long		
		v) Color of rubber tube : Amber		
		7. The glass is wrapped in bubble wrap, enclosed in a polystyrene and packed in a sturdy box while the rubber stopper /tube is placed in a resealable plastic bag.		
		8. Must be free from breakage, cracks, chipped rims and sharp edges, striae, surface irregularities and all other defects not stated herein		
		9. Must be able to produce a distillate during experiment on Distillation using this item as part of the whole set		
		10. Must have User's Manual in Englis on the installation, use and care, proper storage with repair and maintenance		
		11. With Activity Sheets/Teacher's Manual in English		
		12. For numbers #10 to 11; the technical specifications (a-e) must be followed:		
		a) For Contents List of materials, In Table form		
		b) For User's Manual, Instruction Sheets/Assembly Guides, In sentences format		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		

		c) In original print, not photocopied		
		d) In colored pictures, drawings/illustrations		
		e) in 0.3 mm minimum thickness plastic laminated keycard that shall contain the actual colored picture of the model including the name: labeled with the required parts with details as follows:		
		i) Paper Size : A4 size , 80 gsm		
		ii) Font : Times New Roman		
		iii) Font size : 12		
		iv) Margins on all sides with 2 point width border line		
		v) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		13. Must be free from breakage, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein		
		14. Must have a brand enamelled permanently onto the glass		
		15. Must be brand new		
12	Distillation set-up: Distilling Flask, borosilicate, 250ml,	Functional Specifications: Used to hold/ contain the liquid to be distilled in distillation, as one of the simple separation technique		
		Performance Specifications: Must be used to hold/ contain the liquid to be distilled in distillation, as one of the simple separation technique		
		Design Specifications:		
		1. Features a long neck, a side arm that facilitates condensation, and a round bottom for uniform heating .		
		2. Material : Clear, transparent, bubble-free borosilicate glass with a beaded rim with the following dimensions:		
		a) Flask Height : 240-250 mm		
		b) Side Arm Length: 129-130 mm		
		c) Side arm : 76 to 78 mm below the top of the neck		
		3. With the following permanent inscriptions and numbers permanently enamelled onto the glass:		
		a) Capacity: 250 mL		

		b) Manufacturer's name or trademark		
		c) With permanent large white marking spot		
		4. Supplied with an accessory		
		a) rubber stopper that fits the mouth of the distilling flask		
		i) Hardness: 40-45 Duro		
		ii) Number of hole : One (1)		
		iii) Diameter of hole: 5-5.5 mm		
		5. Wrapped in bubble wrap, enclosed in a polystyrene and packed in a padded sturdy box		
		6. Must be free from breakage, cracks, chipped rims and sharp edges, striae, surface irregularities and all other defects not stated herein		
		7. Must be able to produce a distillate during an experiment on Distillation using this item as a part of the distillation setup		
		8. Must have a brand enamelled permanently onto the glass		
		9. Must be brand new		
13	Double burette clamp/holder	Functional Specifications: Used to hold and secure two burettes on a stand, so that each burette is fixed and more convenient for the experiment.		
		Performance Specifications: Must be used to hold and secure two burettes simultaneously on a stand, so that the burettes are fixed and more convenient to perform acid-base titration experiment to determine concentration of solutions.		
		Design Specifications:		
		1. Features a double Y-shaped or butterfly-shaped items which have spring action clamps.		
		2. Material of body: Die cast aluminum with chemical resistant white enamel finish, with the following dimensions:		
		Length range : 245-262 mm		
		Width range : 120-127 mm		
		Mounting hole diameter (Φ): 15-36 mm		
		3. Color of body : White enamel		
		4. Material of sleeves/jaws/grips : Vinyl or rubber for excellent		

		grip		
		5. Color of sleeves/jaws/grips : Colored		
		Distance between sleeves/jaws/grips : 85 -120 mm		
		6. With 4 spring action clamps, 2 on each opening		
		7. With two separate adjusting knobs or squeeze clamping mechanism		
		8. Color of adjusting knobs : Colored		
		9. Mounts directly to standard support rod with built in hook connector.		
		10. The dual metal burette clamp supports burettes from 10-100 mL (10-100 cc).		
		11. They can be attached to support stand rods from 16 mm to 17 mm diameter		
		12. Must be free from breakage, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein.		
		13. Comes with a brand marked permanently onto the body/box		
		14. Must be brand new		
14	Electrical Conductivity (Conductivity of Solutions) Apparatus	Functional Specifications: Used as a visual demonstration of the electrical conductivity of various liquids/solutions.		
		Performance Specifications: Must be used as a visual demonstration of the electrical conductivity of various liquids/solutions whether it is an/a:		
		a) electrolyte - conducts electricity or		
		b) non-electrolyte - does not conduct electricity .		
		Design Specifications:		
		1. Shape : Cylindrical jar with flat bottom		
		2. Material of jar: Clear, transparent, smooth, and bubble free glass, with the following dimensions:		
		a) Diameter: 72-75 mm		
		b) Height : 75-80 mm		
		3. Capacity of jar/container: 150-200 mL		
		4. It comes with a jar cover which perfectly fits the glass jar		
		a) Material of jar cover: Plastic		

		b) Color of jar cover: Green/Any color		
		5.It consists of an electric lamp (3.0-4.0 V) in series with open electrodes		
		6. It comes with a plastic molded lamp socket		
		7. It comes with one (1) pc bulb		
		a) Type of bulb: Miniature type		
		b) Voltage: 3.0-4.0 volts		
		c) Number of extra light bulbs : Ten (10) pc		
		8.With two (2) binding posts color coded (black and red) for connection to two wire connectors.		
		9. With two (2) electrodes, which fit inside the glass jar, internally connected to the lamp circuit, namely:		
		a) a copper wire (anode) and		
		b) a carbon rod (cathode)		
		10. Length of electrodes : 60-80 mm		
		11. First power source: 2 AA batteries		
		12. With 1 pc battery holder		
		13. Comes with second power source: 220 V -240 V AC input)/ (0-12 V) DC output, comes with switch selector		
		14. Comes with:		
		a) two (2) connecting wires (1 red, 1 black) with alligator clips (1 red, 1 black) soldered on one end of the wire		
		b) Length of wire : 305-330 mm		
		c) Type of wire : Stranded		
		d) Gauge number : 20 - which is printed permanently on the insulation of the wire		
		15. Placed in bubble wrap, enclosed in polystyrene and comes complete with a padded box with storage slots for each item to help prevent glass breakage.		
		16. Must be free from breakage, cracks, chipped rims and sharp edges surface irregularities and other defects not stated herein		
		17. Must be able to show during an experiment on Electrical Conductivity of Solutions that electrolytes conduct electricity when the bulb lights up while non-electrolyte solutions did not conduct electricity when the bulb wont light up		

		18. With Operations Manual and Assembly Guide in English		
		19. With sample activity guide/sheets/Teacher's Manual in English		
		20. For numbers #18 to 19; the technical specifications a-e must be followed:		
		a) For Contents List of materials, In Table form		
		b) For User's Manual, Instruction Sheets/Assembly Guides, In sentences format		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		
		c) In original print, not photocopied		
		d) In colored pictures, drawings/illustrations		
		e) in 3.0 mm minimum thickness plastic laminated keycard that shall contain the actual colored picture of the model including the name labeled with the required parts with details as follows:		
		i) Paper Size : A4 size , 80 gsm		
		ii) Font : Times New Roman		
		iii) Font size : 12		
		iv) Margins on all sides with 2 point width border line		
		v) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		21. Comes with a brand marked permanently onto the box		
		22. Must be brand new		
15	Electrolysis Apparatus, student-type (Brownlee)	Functional Specifications: Used to demonstrate and describe the decomposition reactions at the electrodes during the electrolysis of water, producing 1:2 ratio of hydrogen & oxygen gases respectively, by passing DC current through water.		
		Performance Specifications: Must be able to demonstrate and describe the decomposition reactions at the electrodes during the electrolysis of water, producing 1:2 ratio of		

		hydrogen & oxygen gases respectively, by passing DC current through water. Positive results occur:		
		a) When an ember in a stick is introduced onto the test tube with hydrogen gas, it pops.		
		b) If the gas is oxygen, the ember must glow more		
		Design Specifications:		
		1. Shape of Jar : Cylindrical container with a flat bottom, with a wide mouth and a small turned-out lip for pouring		
		2. Material of jar: Clear, transparent, smooth, and bubble-free borosilicate glass, with the following dimensions:		
		a) Diameter : 114-130 mm		
		b) Height : 127-160 mm		
		3. Capacity: 1000 mL		
		4. Comes with two (2) electrodes		
		a) Material of two electrodes: Platinum		
		b) Submission of the original copy of the Test certificate/s issued by the testing unit, like DOST material testing facilities or at any DOST-accredited testing institution attesting that the material of the electrodes, is platinum , to validate the conformity of the material to the technical specifications. A representative of the Procuring Entity should be present during preparation and submission of the material test specimens to testing facility. All expenses for the said test shall be shouldered by the Supplier.		
		5. Comes with an acid-proof insulating support to hold the two binding posts (one red, one black)		
		6. Holder of two test tubes : Two (2) spring clips		
		7. With two (2) reusable test tubes with graduations		
		a) rimless		
		b) graduated from its bottom to top. Zero starts at bottom and 25- 27 mL on top/mouth of test tube		
		c) Material of test tubes : Borosilicate , clear, smooth, transparent and bubble-free reusable glass, free from breakage,		

		cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein, with the following dimensions:		
		c1) Diameter: 18 mm		
		c2) Length : 150-151 mm long		
		c3) Capacity : 25-27 mL		
		d) With heavy uniform wall thickness, excellent heat resistance, round bottom glass		
		e) With permanent graduation lines of approx. volume and inscriptions in high contrast fine, clean, continuous and of uniform width, and in colored enamel.		
		f) With Certification from the manufacturer that the test tubes are reusable and not disposable		
		8. Comes with power source: 220 V -240 V AC input)/ (0-12 V) DC output, and with switch selector		
		9. Comes with 9 V battery with one (1) battery snap		
		10. Comes with two (2) connecting wires (1 red, 1 black)		
		a) Length : 304-310 mm		
		b) Type of wire : Stranded		
		c) Gauge no. : 20 - can be seen printed on the insulation of the wire		
		d) Comes with with alligator clip soldered on one end of the wires with banana plugs soldered on the other end of each wire (1 red, 1 black)		
		12. Comes with two (2) replacement graduated test tubes		
		a) rimless		
		b) graduated from its bottom to top. Zero starts at the bottom and with continuous complete number markings in series		
		c) Material of test tubes : Borosilicate , clear, transparent and bubble-free-glass, with the following dimensions:		
		d) Diameter : 18.0-18.5 mm		
		e) Length : 150-151 mm long		
		f) Capacity : 25 mL		
		g) With heavy uniform wall thickness, excellent heat resistance, round bottom glass		
		h) With permanent graduation of		

		approx. volume and inscriptions in high contrast white enamel.		
		i) With brand etched/printed permanently onto the item		
		13. Comes with two (2) solid rubber stoppers to fit perfectly the two (18 x 150 mL) test tubes		
		14. Must be able to separate water into its elements producing two gases (hydrogen and oxygen) with a 2:1 ratio , a) 2 mL hydrogen: 1 mL oxygen; b) 4 mL hydrogen: 2 mL oxygen, c) 6 mL hydrogen: 3 mL oxygen, d) 8 mL hydrogen: 4 mL oxygen, e) 10 mL hydrogen: 5 mL oxygen, and so on until 6-8 mL of the has been collected for hydrogen gas, during the Electrolysis of Water experiment, and then test for the gases. Testing for each of the gases: a) For the gas collected at the negative electrode, a popping sound must be produced - Hydrogen gas b) For the gas collected at the positive electrode, the ember must glow more - Oxygen gas supports combustion		
		15. With a well written Operations Manual and Assembly Guide in English		
		16. With sample Activity Sheets/Teacher's Manual in English		
		17. With Detailed instructions provided.		
		18. For numbers 15-17, the following technical specifications from (a-e) must be followed:		
		a) For List of materials, In Table form		
		b) For User's Manual, Teacher's Guide, Student Worksheets, Instruction Sheets/ Assembly Guides, In sentences format		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		
		c) In original print, not photocopied		

		d) In colored pictures, drawings/illustrations		
		e) in 0.3 mm minimum thickness plastic keycard that shall contain the actual colored picture of the model including the name: labeled with the required parts with details as follows:		
		i) Paper Size : A4 size , 80 gsm		
		ii) Font : Times New Roman		
		iii) Font size : 12		
		iv) Orientation:Portrait		
		v) Margins on all sides with 2 point width border line		
		vi) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		19. Comes with a training video that shows the actual equipment submitted and approved during the sample evaluation in a USB and shall contain the following: I. Training Video Contents: "a. Name of the equipment b. Parts of the equipment c. Instruction on how to use the equipment d. Sample Experiment/Activity using the equipment e. Maintenance of the equipment f. Troubleshooting g. Storage and safekeeping (include cleaning) of the equipment" II. Training Video details: "a. Shall be in MP4 format. b. Shall be saved in a USB 3.0 Flash Drive. c. Shall have a High-Definition resolution of at least 1080p. d. Shall have a readable subtitle (font style & size: Arial, 22 Bold) in English that is grammatically error-free and with correct spelling and punctuation marks and in sync with a voiceover/narration. There is an ON/OFF option for subtitle. e. Shall comply an aspect ratio of 4:3. f. Shall have a cover video pane containing the equipment name and a video pane for each video content. g. The video, voiceover (audio), and subtitle shall be in sync. h. The training video shall cover all		

		the above requirement (video contents)."		
		20. Placed in bubble wrap, enclosed in polystyrene and comes complete with a padded box with storage slots for each item to help prevent glass breakage.		
		21. Must be free from breakage, cracks, chipped rims and sharp edges surface irregularities and other defects not stated herein		
		22. Comes with a brand etched/enamelled permanently onto the glass		
		23. Must be brand new		
16	Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	Functional Specifications: Used to :		
		a) contain/hold a small chemical reaction,		
		b) mix solids and liquids,		
		c)heat substances over a Bunsen/alcohol burner's flame up to over 100 °C or		
		d)collect them in a titration/distillation experiment		
		Performance Specifications: Must be able to:		
		a) contain/hold a small chemical reaction ,		
		b) mixes solids and liquids during chemical reaction,		
		c) heats substances up to 100°C over a Bunsen burner's flame up to 250 mL, or		
		d) serves as a reaction vessel in a titration experiment, and to collect distillate during distillation		
		Design Specifications:		
		1. Features a conical body, a cylindrical short neck , narrow mouth, with sloping sides, beaded rim, and with a flat bottom		
		2. Material : Clear, and transparent bubble-free, smooth, borosilicate, glass with the following dimensions:		
		a)Outside diameter: 80-82 mm		
		b)Height: 130-132 mm		

		c) Thickness: 1.5 to 2.0mm		
		b) Neck inside diameter range : 28 to 30 mm		
		3. With uniform wall thickness		
		4. With narrow mouth , heavy duty beaded rim, graduated		
		5. With permanent durable white enamel graduations of approximate volumes, large white block letters,numbers and easy to read inscriptions enamelled onto the glass, which includes the following:		
		a) Manufacturer's name or trademark		
		b) Capacity: 250 mL		
		c) With large white marking spot		
		d) With single graduated metric scale		
		d1) Graduation range : 50 -200 mL		
		d2) Graduation interval: 25 mL		
		d3) Graduation starts at: 50 mL in 25 mL increments		
		e) Tolerance: $\pm 6\%$ and other inscriptions enamelled onto the glass		
		6. Wrapped in paper and individually packed in a compartmentalized box		
		7. Must be free from breakage, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein		
		8. Must be able to withstand heating of water up to 150 deg C		
		9. Placed in bubble wrap and packed in a sturdy box to help prevent glass breakage.		
		10. Comes with a brand enamelled permanently onto the glass		
		11. Must have a brand printed permanently on the glass		
		12. Must be brand new		
17	Funnel, borosilicate, fluted	Functional Specifications: Used to direct the smooth flow of the liquid or fine-grained substances into another container tp prevent spills		
		Performance Specifications: Must be able to direct the smooth flow of the liquid or fine-grained substances into another container to prevent		

		spills		
		Design Specifications:		
		1.Type : 60 ° angle, Fluted short stem funnel		
		2. Shape: A wide, inverted conical top with narrow short circular tube at the bottom, with depressed inside flutings		
		3. Material: Borosilicate, clear, transparent, bubble-free glass, with the following dimensions:		
		a) Top outside diameter: 75-86 mm		
		b) Stem outer diameter : 8-9.5 mm		
		c) Stem length : 72-76 mm		
		d) Total Height : 139-140 mm		
		4. With heavy beaded rim/edge and heavy uniform wall for strength.		
		5. With slanted fire polished tip, filter angle (angled 60°) and depressed inside fluting help reduce filtering time		
		6. Wrapped in paper, enclosed in bubble wrap, and individually packed in a sturdy box		
		7. Must be free from breakage, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein		
		8. Comes with a brand		
		9. Must be brand new		
18	Glass Tubing	Functional Specifications: Used to contain/hold/mix liquids or gases during chemical reactions and to connect other pieces of equipment/glasswares to a gas or liquid assembly		
		Performance Specifications: Must be able to:		
		a) be bent to connect other pieces of equipment/glasswares to a gas or liquid assembly like in the activity "Flowing Up" and connect Florence flask to the Liebig condenser as a substitute for distilling flask for Distillation set up		
		b) contain/hold/mix liquids or gases during chemical reactions, to relate the rate of gas effusion with molar		

		mass and demonstrate Graham's law of effusion in an experiment where a white ring mass is observed		
		Design Specifications:		
		1. Shape : Long slender hollow glass		
		2. Material : Soda lime, clear, transparent, bubble-free glass tubing, with the following dimensions:		
		a) Outside diameter : 6.0-6.5 mm		
		b) Wall thickness : 1.0-1.2 mm		
		c) Length: 1219-1500 mm		
		3. With fire polished ends		
		4. Individually wrapped in used newspaper, enclosed in a bubble wrap, and packed in a sturdy box		
		5. Must be free from breakage, cracks, scratches, chipped rims, sharp edges, striae, surface irregularities including all other defects not stated herein		
		6. Comes with a brand printed permanently on its packaging		
		7. Must be brand new		
19	Laboratory Hot Plate with magnetic stirrer	Functional Specifications: a) Used to heat samples, glasswares and its contents, solutions, and substances uniformly with constant stirring , or		
		b) boiling of water		
		c) to sterilize glasswares and other materials uniformly,		
		d) dissolving buffers and reagents with constant stirring		
		e) preparing media,		
		f) concentrating samples and		
		g) to prepare chemicals used in scientific research.		
		Performance Specifications: Must be able to		
		a) heat samples, glasswares and its contents, solutions, and substances with constant stirring		
		b) boiling of water		
		c) to sterilize glasswares and other materials uniformly		
		d) dissolving buffers and reagents with constant striring		
		e) preparing media,		
		f) concentrating samples and		
		g) to prepare chemicals used in scientific research		
		h) Agitates the liquid to speed up the reaction and mixes components		

		(solid and liquid to get homogeneous mixtures)		
		Design Specifications:		
		1. Type : Digital		
		2. Top plate material : Ceramic coated aluminum plate (chemical-acid-base resistant)with the following dimensions:		
		a) Length : 178-220 mm		
		b) Width: 178-220 mm		
		c) Submission of the original copy of the Test certificate/s issued by the testing unit , like DOST material testing facilities or at any DOST-accredited testing institution attesting that the material of the top plate is ceramic coated aluminum (chemical-acid-base resistant) , to validate the conformity of the material to the technical specifications. A representative of the Procuring Entity should be present during preparation and submission of the material test specimens to testing facility. All expenses for the said test shall be shouldered by the Supplier.		
		3. Color of top plate : White		
		4. Color of body: Midnight blue/any color		
		5. Comes with temperature probe, probe holder, support rod, and stir bar a) With accurate internal temperature sensor and external temperature probe b) With plug/holder/ clamp/clip for temperature probe c) With built-in support rod mount, thumbscrew, accommodates rods up to 13 mm in dia. d) With Stand rod with the following dimensions: i) Material: Stainless steel ii) Diameter (Φ):12-14 mm iii) Length: Φ450-452 mm iv) With PTFE Cross Spinplus magnetic stirrer bar Dimensions: 1 x 9/16 inches (25.4 x 14.3 mm) Color: White		
		6.Maximum Operating Temp.: 380 °C minimum		

		7. Temperature accuracy : ± 0.3 °C at set temperature		
		8. Stirring capacity : 5-20 Liters		
		9. Speed : 80-1500 rpm		
		10. Control resolution : 5 rpm		
		11. Temperature range and accuracy : Max 380 °C minimum		
		12. Heating power consumption : 600 W minimum		
		13. With digital LCD with backlight display		
		14. With digital feedback controller with joggle shuttle switch(Turn + Push)		
		15. With over temperature protection		
		16. With power cord, AC Adapter Quick and easy adjustment knob		
		17. Control: Quick and easy adjustment knob		
		18. With safety LEDs to indicate when heating function has been activated		
		19. Power: 220-240 V AC, 50/60 Hz, 800 W minimum		
		20. With built-in support rod mount, thumbscrew, accommodates rods up to 13 mm in dia.		
		21. With quick adjustment knob and LED indicator		
		22. Includes English User's Manual which consists of the Operating Manual		
		23. With Activity Sheets/Teacher's Manual in English		
		24. For numbers #22-23; the technical specifications (a-e) must be strictly followed:		
		a) For Contents/ List of materials, In Table form		
		b) For User's Manual, Instruction Sheets/Assembly Guides, In sentences format		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		
		c) In original print, not photocopied		
		d) In colored pictures, drawings/illustrations		
		e) in 0.3 minimum thickness		

		plastic laminated Assembly Guides that shall contain the actual colored picture of the model including the name labeled with the required parts with details as follows:		
		i) Paper Size: A4 size , 80 gsm		
		ii) Font : Times New Roman		
		iii) Font size: 12		
		iv) Margins on all sides with 2 point width border line		
		v) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		25. Must be free from breakage, cracks , chipped rims, sharp edges, all surface irregularities and all other defects not stated herein		
		26. Must be packed in polystyrene and enclosed in a sturdy box		
		27. Comes with a training video that shows the actual equipment submitted and approved during the sample evaluation in a USB and shall contain the following:		
		I. Training Video Contents:		
		a. Name of the equipment b. Parts of the equipment c. Instruction on how to use the equipment d. Sample Experiment/Activity using the equipment e. Maintenance of the equipment f. Troubleshooting g. Storage and safekeeping (include cleaning) of the equipment		
		II. Training Video details:		
		a. Shall be in MP4 format. b. Shall be saved in a USB 3.0 Flash Drive. c. Shall have a High-Definition resolution of at least 1080p. d. Shall have a readable subtitle (font style & size: Arial, 22 Bold) in English that is grammatically error-free and with correct spelling and punctuation marks and in sync with a voiceover/narration. There is an ON/OFF option for subtitle. e. Shall comply an aspect ratio of 4:3. f. Shall have a cover video pane containing the equipment name and a video pane for each video content. g. The video, voiceover (audio), and		

		subtitle shall be in sync. h. The training video shall cover all the above requirement (video contents).		
		28. Comes with a brand marked permanently on the box		
		29. Must be brand new		
20	Manometer, Open U-tube	Functional Specifications: Used to indicate the difference in the heights of the manometric liquid to measure pressure		
		Performance Specifications: Must be able to indicate the difference in the heights of the manometric liquid to measure pressure by getting the pressure difference		
		Performance Specifications: Must be able to indicate the difference in the heights of the manometric liquid to measure pressure by getting the pressure difference		
		Design Specifications:		
		1. Type : Differential pressure manometer		
		2. Shape : U-shaped glass tube partially filled with liquid, with no moving parts and requires no calibration		
		3. Material : Glass		
		4. With a 50-52 cm arm with funnel top on one arm and 4.5-5.5 cm bent (90°) with 15-16 mm rified tip on another arm for easy connection		
		5. U-tube is mounted on a board, fixed on a wooden stand for vertical mounting using metal clips		
		a) Material of stand : Wood/en		
		b) Dimensions of back plate		
		i) Length : 540-542 mm		
		ii) Width : 90-102 mm		
		6. A millimeter scale is fitted between the arms of the tube.		
		a) Scale having graduation range: 0-50 cm		
		b) Graduation increment: 1 mm, with 0 at the bottom		
		7. Accessories:		
		a) With latex tubing, glass wall 2 mm thickness, 7.5-8.0 mm inner diameter.		
		i) Material of rubber tubing: Non-toxic non-tacky latex rubber		

		tubing for the laboratory activity.		
		ii)Length of rubber tube: 3000-3005 mm		
		8. Stand with glass tube placed in bubble wrap, enclosed in bubble wrap and packed individually in a sturdy box		
		9. Accessories enclosed in resealable plastic bag		
		10. With User's Manual in English		
		11. With Assembly Guides and Activity Sheets		
		12. For numbers #10 and 11; they must be:		
		a) In Table form for List of materials, in A4 size, glossy paper,laminated		
		b) In sentences format for instruction sheets/assembly guides		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		
		c)Printed in original copy, not photocopied		
		d) In colored drawings/illustrations		
		e) in 0.3 minimum thickness plastic laminated keycard that shall contain the actual colored picture of the model including the name labeled with the required parts with details as follows:		
		i) Paper Size : A4 size , 80 gsm		
		ii) Font : Times New Roman		
		iii) Font size : 12		
		iv) Margins on all sides with 2 point width border line		
		v) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		13. Must be free from breakage, cracks , chipped rims, sharp edges, all surface irregularities and all other defects not stated herein.		
		14. Individually packed in a sturdy box		
		15. Comes with a brand printed permanently onto the wooden stand		
		16. Must be brand new		
21	Mortar and	Functional Specifications: Used to		

	Pestle, porcelain, 150 mL.	pulverize/mash/grind and to mix materials in a mortar using a pestle		
		Performance Specifications: Must be able to pulverize/mash/grind and mixes materials in a mortar using a pestle to demonstrate how particle size affects solubility and the rate of chemical reaction.		
		Decreasing the size of the particles increases the rate of dissolving and speeds up the rate of reaction because the surface area of the reactant has been increased.		
		Design Specifications:		
		A. Mortar		
		1. Shape of mortar : Deep form, bowl shape, with wide mouth, and with deeply molded, smooth rounded bottom		
		2. Material for mortar and pestle: Porcelain, with the following dimensions:		
		a) Outside diameter : 130-132 mm		
		b) Height/Depth : 65-85 mm		
		3. Capacity: 150 mL		
		4. With pouring lip		
		5. With unglazed grinding surface (interior) and uniformly glazed exterior		
		B. Pestle:		
		6. Shape of pestle: Cylindrical with bulbous bottom, with the following dimensions:		
		a) Length range : 133-160 mm and		
		b) Diameter range: 28-40 mm diameter at its widest point.		
		7. Material of pestle: A heavy bat-shaped porcelain		
		8. Uniformly glazed on its handle and rough on opposite end		
		9. The set is individually wrapped, enclosed in a bubble wrap and packed in a sturdy box		
		10. Must be free from breakage, cracks , chipped rims, sharp edges, all surface irregularities and all other defects not stated herein		
		11. Comes with a brand marked permanently on the body/ box		
		12. Must be brand new		
22	Osmosis	Functional Specifications: Used to to		

	Apparatus	show that water passes through a semi-permeable membrane causing a rise in the level of water in the thistle tube		
		Performance Specifications: Must be able to show that water passes through a semi-permeable membrane causing a rise in the level of water in the thistle tube, to describe/demonstrate the effect of concentration on one of the colligative properties (osmotic pressure) of solutions		
		Design Specifications:		
		1. Features a a long shaft of tube with a reservoir and a funnel like/flared rim section at the top and at the bottom. The shaft is designed to allow insertion through a small hole present in a Y-shaped support stand giving way for the tube to be inserted into a container.		
		2. Comes as a complete set, which is composed of the following items:		
		a) With one (1) pc battery jar = 600-605 mL cap		
		b) With one (1) pc double thistle tube with brand name etched onto the glass		
		b1) Shape of double thistle tube: A long shaft of tube that ends in a reservoir bulb with a funnel shaped/flared rim at the top and bottom part		
		b2) Material of double thistle tube and jar : Smooth, clear, transparent free from bubbles, striae, or other imperfections borosilicate glass, with the following dimensions:		
		Length of double thistle tube : 405-410 mm		
		Diameter of each thistle tube (top and bottom): 29-30 mm		
		Diameter of glass tube: 14-16 mm		
		c) With one (1) pc stable Y-shaped metal support stand, safe to use, and absence/free of all sharp edges , all surface imperfections/irregularities and all other defects not stated herein		
		c1) Shape of metal support stand:		

		Y-shaped support stand		
		c2) Material of support stand: Aluminum		
		c3) With a black plastic adjusting screw at the rear end with the red adjusting screw near the center of the Y-support stand used to adjust the opening of the stand when the double thistle tube is mounted vertically in place		
		d) Comes with ten (10) pc semi-permeable membrane		
		3. Each item is individually placed in a snap fit organizer shaped into each item and packed as a complete set in a padded sturdy polystyrene box		
		4. With Instruction Manual and Activity Sheets		
		5. With a well written User's Manual (Assembly guides) and Activity Sheets in American English, with technical specifications details(a-e) as follows:		
		a) original print		
		b) A4 size copy paper (80 gsm)		
		c) With colored pictures, drawings/illustrations		
		d)Margin of 1/2 inch on all sides: with 2 point width border line		
		e) Lay out orientation : Portrait		
		f) Title: OSMOSIS APPARATUS shall be placed on the top center		
		i) Font style: Times New Roman		
		ii) Font size: 36		
		iii) UPPERCASE		
		iv) BOLD		
		g) Labels		
		i) Font style : Times New Roman		
		ii)Font size: 14.		
		iii) First letter of the label is capitalized		
		iv) Line with arrowhead of 1.25 width shall point to the specific part being labeled		
		h) Sentences must be grammatically correct and with correct spelling, punctuation and terminologies		
		i) with colored illustrations and drawings		
		j) with 0.3 mm minimum		

		thickness plastic laminated in thick plastic		
		6. Must be free from rust and dirt, breakage, cracks , chipped rims, sharp edges, other surface irregularities and all other defects not stated herein		
		7. Placed in bubble wrap, with storage slots for each item enclosed in polystyrene and packed as a set in a padded box to help prevent glass breakage.		
		8. Comes with a brand permanently etched onto the double thistle tube and in the box		
		9. Must be brand new		
23	pH meter, hand-held, digital	Functional Specifications: To measure the pH of a substance or solution indicating its acidity , being neutral,or its basicity/alkalinity in 0.1 pH readability		
		Performance Specifications: Must be able to measure the pH of each substance/solution in 0.1 pH readability, :		
		a) For an acid : pH 0- pH 6.0		
		b) For basic/alkaline : pH 8.0 to pH 14.0.		
		c) For neutral (distilled water) : pH 7.0		
		Design Specifications:		
		1. Type: Portable hand held digital pen type		
		2. Material : Plastic with the following dimensions :		
		a) Length : 6.2 in (155.45 mm) (min)		
		b) Width : 1.5 in (38.1 mm) (min)		
		c) Height : 1.3 in (33.02 mm) (min)		
		3. With retractable electrode		
		4.Comes with one (1) pc protective cap		
		5. Electrodes extend up to 3.15" (80.01 mm) (min)		
		6. Waterproof		
		7. pH range: pH 0 to pH 14		
		8. Accuracy: ± 0.2 pH		
		9.Features a bold LCD display of pH		
		10. With automatic temperature compensation		
		11. Supplied with accessories:		
		a) One (1) bottle pH 7.0 buffer solution Capacity of pH 7.0 buffer solution : 50 mL		

		b) With one (1) pc calibration screwdriver		
		c) One (1) pc 9V battery		
		d) Packed in hard plastic carry case		
		12. Manufacturer should be accredited by NIST standards or its equivalent to the country of origin to certify that their items are calibrated.		
		13. With User's Manual in English		
		14. With Student Worksheets/Teacher's Manual in English		
		15. For numbers 13-14, the following technical specifications from a-e must be followed:		
		a) For Contents List of materials, In Table form		
		b) For User's Manual, Teacher's Guide, StudentWorksheets, Instruction		
		Sheets/Assembly Guides, In sentences format		
		i) With sentences grammatically correct and		
		ii) With correct spelling and terminologies, punctuations and others		
		c) In original print, not photocopied		
		d) In colored pictures, drawings/illustrations		
		e) In ten (10) mil laminated keycard that shall contain the actual colored picture of the model including the name: labeled with the required parts with details as follows		
		i) Paper Size: A4 size , 80 gsm		
		ii) Font: Times New Roman		
		iii) Font size: 12		
		iv) Orientation:Portrait		
		v) Margins on all sides with 2 point width border line		
		vi) Line with arrow head of 1.25 point with width shall point to the specific part being labeled		
		16. Must be free from sharp edges		
		17. Must have a brand		
24	Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	Functional Specifications: Used to contain/store and to provide UV protection of prepared light sensitive solutions/substances to prevent change/alteration in the composition of their contents		
		Performance Specifications: Must be		

		able to contains/store and to provide UV protection for the prepared light sensitive solutions/substances to prevent change/alteration in the composition of their contents.		
		Design Specifications:		
		1. Shape : Cylindrical narrow-mouth bottle		
		2. Material : Borosilicate, smooth, bubble-free glass with the following dimensions:		
		a) Bottle diameter range: 66-72 mm		
		b) Neck I.D. range : 23-28 mm		
		c) Over-all height: 130 to 150 mm		
		3. Color: Amber		
		4. With approximate volumes, capacity, and other markings are in permanent white enamel which resists aggressive washing solutions		
		a) Manufacturer's name or trademark		
		b) 250 mL		
		c) white marking field/spot in permanent white enamel		
		5. With octagonal plastic stopper Socket size: 19/26 that fits the mouth well		
		6. With a white marking field/spot in permanent white enamel		
		a) logo/brand name		
		b) 250 mL		
		7. Wrapped in paper, enclosed in bubble wrap and packed individually in a padded sturdy box		
		8. Must be free from breakage, cracks , chipped rims, sharp edges, striae, all surface irregularities including all other defects not stated herein		
		9. Comes with a brand enamelled permanently onto the glass		
		10. Must be brand new		
25	Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	Functional Specifications: Used to hold/ contain/store prepared solutions/ substances		
		Performance Specifications: Must be able to hold/contain/store prepared solutions/substances		
		Design Specifications:		

		1. Shape: Cylindrical wide-mouth bottle		
		2. Material: Borosilicate, clear, smooth, transparent and bubble-free glass, with the following dimensions:		
		a) Bottle diameter : 69 mm to 73 mm		
		b) Mouth diameter: 34 mm to 44 mm		
		c) Height : 129 mm to 142 mm		
		3. Features no-drip pour lip		
		4. With ground-in glass stopper		
		5. With air tight seal		
		6. With approximate volumes, capacity, and other markings are in permanent white enamel/stain which resists aggressive washing solutions		
		a) Manufacturer's name or trademark		
		b) 250 mL		
		c) white marking field/spot in permanent white enamel		
		7. Wrapped in paper, enclosed in bubble wrap and packed individually in a sturdy box		
		8. Must be free from breakage, cracks , chipped rims, sharp edges, all surface irregularities and all other defects not stated herein		
		9. Comes with a brand enamelled onto the glass		
		10. Must be brand new		
26	Rubber Stopper # 0 (for Ø 16mm test tube)	Functional Specifications: Used to seal the openings of 16 mm diameter test tubes and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance.to prevent leaks, hazards and contamination		
		Performance Specifications: Must be able to seal the openings of 16 x 150 mm test tubes and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance.to prevent leaks, hazards and contamination		
		Design Specifications:		
		1. Shape: Cylindrical with a tapered bottom end		
		2. Material : Rubber compound with the following dimensions:		
		a) Height : 25-25.5 mm		

		b) Top Ø : 17-17.50 mm		
		c) Bottom Ø : 13-13.5 mm		
		3. Hardness : 40-45 Duro		
		4. Packed in resealable plastic bag		
		5. With no. 0 embossed onto the rubber stopper		
		6. Must be free from cracks, sharp edges, and all other surface imperfections including all other defects not stated herein		
		7. Comes with a brand marked permanently in the bag		
		8. Must be brand new		
27	Spatula, spoon, porcelain and glazed	Functional Specifications: Used to hold/contain and transfer solids and liquids from one container to the other		
		Performance Specifications: Must be able to hold/contain and transfers solids and liquids from one container to the other		
		Design Specifications:		
		1. Features a white, broad, flat, blade (spatula) on one end and a spoon on the other end.		
		2. Material : Uniformly glazed smooth finish porcelain		
		a) Capacity: 0.3 mL		
		b) Over all Length : 121-142 mm		
		3. Must be free from breakage, cracks, chipped edges and all other defects not stated herein		
		4. Wrapped in paper, enclosed in bubble wrap and packed in a sturdy box.		
		5. Must be free from cracks, sharp edges, and all other surface imperfections including all other defects not stated herein.		
		6. Comes with a brand marked permanently in the box		
		7. Must be brand new		
28	Stirring Rod, Ø 6 mm x 250 mm long	Functional Specifications: Used to mix liquids and solids		
		Performance Specifications: Must be able to mix liquids and solids well to speed up the dissolving process and increases the rate of reaction		
		Design Specifications:		
		1. Features a long, slender cylindrical solid glass, with the same thickness and slightly longer than a		

		drinking straw and with rounded fire polished ends.		
		2. Material 1: Clear, transparent bubble-free stir stick solid borosilicate glass with the following dimensions:		
		a) Diameter(Ø) : 6-6.3 mm		
		b) Length: 250-254 mm long		
		3. With rounded and fire polished ends		
		4. Wrapped in paper, enclosed in bubble wrap and packed in a sturdy box		
		5. Must be free from breakage, cracks, chipped unpolished ends, all other surface imperfections including all other defects not stated herein		
		6. Comes with a brand marked permanently in the box		
		7. Must be brand new		
29	Test tube brush	Functional Specifications: Used to clean test tubes and other small sized glasswares		
		Performance Specifications: Must be able to clean test tubes and other small-sized glasswares with densely filled radial tip and head brush to make complete contact with walls, corners and bottom.		
		Design Specifications:		
		1. Features a radial tufted tip white nylon bristles and brush head lined against a rather sturdy wire handle with a looped end to make complete contact with walls, corners and bottom to clean test tubes and other small sized glasswares .		
		2. Material of bristles : Medium stiff nylon with the following dimensions:		
		a) Diameter of bristle section: 18-19 mm		
		b) Length of bristle section : 82-102 mm		
		c) Over-all length: 228 -229 mm		
		3. Material of handle: Galvanized steel wire		
		4. Type of wire handle : Common loop twisted wire		
		5. With circular wire loop for hanging		
		6. Packed in a resealable plastic bag		
		7. Must be free from rust, sharp		

		edges, all other surface irregularities including all other defects not stated herein		
		8. Comes with a brand marked permanently in the box		
		9. Must be brand new		
30	Test Tube, borosilicate, Ø 16 mm x 150 mm long	Functional Specifications: Used to contain/hold a small chemical reaction , to mix small quantities of solids and liquids, and to heat small quantities of substances		
		Performance Specifications: Must be able to contain/hold a small chemical reaction and , mixes solids and liquids, heats small quantity of substances up to more than 100°C over a Bunsen burner's flame		
		Design Specifications:		
		1. Features a finger-like length of glass tubing, open at the top, usually with a rounded lip at the top, and a rounded 'U' shaped bottom		
		2. Material of test tube: Borosilicate , clear, transparent and bubble-free, reusable glass , with rim, with the following dimensions:		
		a) Outside Diameter: 15.8-16.0 mm		
		b) Thickness: 1.3 -1.4 mm		
		c) Length: 150-152 mm		
		d) Comes with a certification from the manufacturer that the test tube is reusable and not disposable		
		3. Capacity: 20 mL		
		4. With heavy uniform wall thickness, excellent heat resistance		
		5. With large, white enamel marking spot		
		6. Test tubes must be reusable (not disposable)		
		7. Wrapped individually in tissue paper, enclosed in bubble wrap and packed in compartmentalized box		
		8. Must be free from breakage, cracks, chipped rims, surface irregularities and all other defects not stated herein		
		9. Comes with a brand enamelled permanently in the glass		
		10. Must be brand new		
31	Tong, Crucible	Functional Specifications: Used to lift and hold crucibles,remove the		

		lids from crucibles, transfer evaporating dishes or picking small objects out of a reaction container		
		Performance Specifications: Must be able to lift and hold crucibles, remove the lids from crucibles, transfer evaporating dishes or picking small objects out of a reaction container.		
		Design Specifications:		
		1. Features a scissor-like and a long bent neck tongs, with two anti-skid pincers or pieces of metals that concave together, which allow the users to grasp a hot crucible, flasks, evaporating dishes, or even small beakers		
		2. Material : Stainless steel,durable, stable, rust and heat resistant		
		a) Color: Silver		
		b) Finish: Smooth		
		c) Overall Length: 228 -229 mm		
		3. With riveted joints		
		4. With serrated tips.		
		5. Enclosed in resealable bag and packed in a sturdy box		
		6. Must be free from rust, dirt, cracks, chipped and sharp edges and surface irregularities including all other defects not stated herein		
		7. Comes with a brand marked permanently in a box		
		8. Must be brand new		
32	Universal pH indicator	Functional Specifications: Used as an indicator to determine/measure the pH of substances, whether it is an acid, neutral or a base		
		Performance Specifications: Must be used as an indicator to effect a color change when it is dipped into the different substances to determine/measure the pH of each, through comparison with the pH color chart provided, which corresponds to:		
		a) For an acid : pH 0-pH 6;		
		b) For a base : pH 8-pH 14.		
		c) For distilled water : pH 7		
		Design Specifications:		
		1. Type: Test strips		
		2. Shape: Rectangle		
		3. Material: Cellulose/Paper based		
		4. Dimension of pH strip :		

		a) Length : 69 mm x 6 mm		
		5. Number of colors in indicator test strip: In four colors to test pH values		
		6. Number of test strips : 100 pc strips		
		7. Packaging: Clear, transparent box		
		8. Shape of box: Square		
		9. With complete color chart for comparison with the color change to get the pH reading of the sample being tested		
		10. No sharp edges on box		
		11. Measures pH 0-pH 14		
		12. Comes with a brand		
33	Vial, screw-neck, 25 ml. (with screw-type plastic cap)	Functional Specifications: Used to hold/contain/store/mix small quantities of samples/solutions/substances up to 25 mL		
		Functional Specifications: Used to hold/contain/store/mix small quantities of samples/solutions/substances up to 25 mL		
		Performance Specifications: Must be able to hold/contain/store/mix small quantities of samples up to 25 mL		
		Design Specifications:		
		1. Type : Bottle with threaded Screw cap		
		2. Shape : Bottle-like shape with a threaded neck, solid plastic closure and with a flat bottom.		
		3. Material : Borosilicate clear, transparent, and bubble-free glass, with the following dimensions:		
		a) Outside Diameter : 25-50 mm		
		b) Length: 60-80 mm		
		4. With screw- type solid plastic cap		
		5. Shape of neck : Cylindrical, round		
		6. Neck finish : Continuous thread		
		7. Cap Color: Colored		
		8. Cap Attached: No		
		9. Cap Material : Plastic		
		10. Closure style : Solid top, screw thread cap		
		11. Capacity: 25 mL		
		12. Packed individually in a compartmentalized/partitioned box		
		13. Must be free from breakage , cracks, chipped and sharp edges and surface irregularities including all other defects not stated herein		

		14. Comes with a brand marked permanently on the box		
		15. Must be brand new		
34	Vial, screw-neck, 50 mL. (with screw-type plastic cap)	Functional Specifications: Used to hold/contain/store/mix small quantities of samples/solutions/substances up to 50 mL		
		Functional Specifications: Held/contained/stored/mixed small quantities of samples/solutions/substances up to 50 mL		
		Performance Specifications: Held/contained/stored/mixed samples/solutions/substances up to 50 mL		
		Design Specifications:		
		1. Type : Bottle with threaded Screw cap		
		2. Features a bottle-like shape with a threaded neck, screw cap plastic closure and with a flat bottom		
		3. Material : Borosilicate, clear, transparent, and bubble-free glass with the following dimensions:		
		a) Outside Diameter : 25-50 mm		
		b) Length : 100-108 mm		
		4. Capacity: 50 mL		
		5. Shape of neck : Cylindrical, round		
		6. Neck finish : Continuous thread		
		7. Cap Color :Colored		
		8. Cap Attached: No		
		9. Cap Material : Plastic		
		10. Closure style : Solid top, screw thread cap		
		11. Packed individually in a compartmentalized box		
		12. Must be free from breakage , cracks, chipped and sharp edges and surface irregularities including all other defects not stated herein		
		13. Comes with a brand marked permanently on the box		
35	Volumetric Flask, borosilicate 250 mL	Functional Specifications: Used to measure/prepare/contain a precise volume of standard solutions at a certain temperature and precise dilution of solutions up to 250 mL		
		Performance Specifications: Must be able to measure/prepare/contain a precise volume of standard solutions at a certain temperature and precise		

		dilution of solutions up to 250 mL		
		Design Specifications:		
		1. Type: Class A		
		2. Shape : A round or pear-shaped bulb, a long thin neck topped by a snap cap and with flat bottom		
		3. Material of body: Borosilicate , clear, transparent and bubble-free, glass with the following dimensions:		
		a) Height: 225 mm		
		b) Outside diameter : 78 mm (approx.)		
		c) Size: 250 mL		
		d) Tolerance: ± 0.12 mL		
		4. With heavy duty rim		
		5. Comes with snap cap		
		a) Material of snap cap :High density plastic (polyethylene)		
		b) With octagonal grip		
		c) Snap-cap : No. 250		
		d) Color of snap cap: Blue		
		6. Must meet ASTM E- 694 for volumetric ware, ASTM E-542 for calibration of volumetric ware and ASTM E-288 for volumetric flasks.		
		7. Calibrated "to contain" (marked "TC" or "IN")		
		8. Manufacturer should be accredited by NIST standards or its equivalent to the country of origin to certify that their items are calibrated.		
		9. Must be free from breakage, cracks, sharp rims and other defects		
		10. Packaging : Roll up glassware in newspaper and secure with a piece of masking tape and place in a bubble pouch and individually packed in a sturdy box		
		11. Comes with a brand, with five (5) years existence in the glasswares industry		
		14. Must be brand new		
36	Watch Glass, Ø 90 mm	Functional Specifications: Used to:		
		a) cover glasswares like beakers		
		b) evaporates solvents in a sample and		
		c) holds/contains liquids and solids prior to heating.		
		Performance Specifications: Must be able to:		
		a) cover glasswares like beakers		
		b) evaporate solvents in a sample and		

		c) hold/contain liquids and solids prior to heating.		
		Design Specifications:		
		1. Shape : Circular concave		
		2. Material : Borosilicate, clear, transparent, and bubble-free glass with the following dimensions:		
		a) Diameter : 90-91 mm		
		b) Thickness range : 1.5 mm to 2.0 mm		
		3. Fire-polished rims/edges		
		4. Individually wrapped in used newspaper, enclosed in a bubble wrap, and packed in a sturdy box		
		5. Must have fire polished edges/rims, be free from breakage, cracks, chipped and sharp edges, surface irregularities including all other defects not stated herein		
		6. Comes with a brand marked permanently in the box		
		7. Must be brand new		

STATEMENT OF COMPLIANCE

I hereby commit to provide the above specified requirements in compliance with the Technical Specifications for the Project: **Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages Packages to Public Elementary Schools for Grades 1 to 3 and Grades 4 to 6, Public Junior High Schools for Grades 7 to 10 and Public Senior High Schools for Grades 11 to 12 (CORE & STEM) (FY2022 SME Lots 5 & 7)**

Name and Signature of Bidder's Authorized Representative

***Section VIII. Checklist of Financial
and Technical 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) **in accordance with Section 8.5.2 of the IRR;**

Technical Documents

- (b) 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; **and**
- (c) 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; **and**
- (d) 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; **and**
- (e) Conformity with the Technical Specifications, shall include production/delivery schedule, manpower requirements, and after-sales/parts; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS) **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

- (g) 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

- (h) 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.

II. FINANCIAL COMPONENT ENVELOPE

- (i) Original of duly signed and accomplished Financial Bid Form; **and**
- (j) Original of duly signed and accomplished Price Schedule(s).

See **Annex "D"** for the Price Schedule Form.

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

- (k) *[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.
- (l) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

LIST OF ALL ONGOING GOVERNMENT & PRIVATE CONTRACTS INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED

Business Name : _____

Business Address : _____

Name of Contract/ Project Cost	Owner's Name a. Address b. Telephone Nos.	Nature of Work	Bidder's Role		Date Awarded a. Date Started b. Date of Completion	% of Accomplishment		Value of Outstanding Works / Undelivered Portion
			Description	%		Planned	Actual	
<u>Government</u>								
<u>Private</u>								

Note: (In case of no ongoing contract, the bidder shall submit this duly signed form and indicate **“No ongoing contracts” or “None” or “Not Applicable (N/A)”** under the Column for Name of Contract (first column from left)

Submitted by: _____

Printed Name and Signature of Authorized Representative

Designation: _____

Date: _____

STATEMENT IDENTIFYING THE SINGLE LARGEST COMPLETED CONTRACT

Business Name : _____

Business Address : _____

Name of Contract	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Bidder's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed d. Contract Performance certified by End User
			Description	%		
<u>Government</u>						
<u>Private</u>						

Note: The bidder must be able to support this statement with:

- 1) End-User's Acceptance; 2) Contract; and 3) Official Receipts or Sales Invoice

Submitted by : _____

(Printed Name and Signature)

Designation : _____

Date : _____

Joint Venture Agreement Form

KNOW ALL MEN BY THESE PRESENTS:

That this JOINT VENTURE AGREEMENT is entered into By and Between _____, of legal age, (civil status), owner/proprietor of _____ and a resident of _____.
- and -

_____, of legal age, (civil status), owner/proprietor of _____ and a resident of _____.

THAT both parties agree to join together their manpower, equipment, and what is needed to facilitate the Joint Venture to participate in the Eligibility, Bidding and Undertaking of the hereunder stated project to be conducted by the (Name of the Procuring Entity).

NAME OF PROJECT	CONTRACT AMOUNT

That both parties agree to be jointly and severally liable for the entire assignment.

That both parties agree that _____ and _____ own the share and interest of _____ and _____ [indicate percentage of shares) respectively

That both parties agree that _____ and/or _____ shall be the Official Representative of the Joint Venture, and is granted full power and authority to do, execute and perform any and all acts necessary and/or to represent the Joint Venture in the bidding as fully and effectively and the Joint Venture may do and if personally present with full power of substitution and revocation.

THAT this Joint Venture Agreement shall remain in effect only for the above stated Projects until terminated by both parties.

Done this _____ day of _____, in the year of our Lord _____.

SIGNED IN THE PRESENCE OF:

Witness

Witness

REPUBLIC OF THE PHILIPPINES) S.S.
PASIG CITY, METRO MANILA)

A C K N O W L E D G M E N T

BEFORE ME, a Notary Public for and in Pasig City, Metro Manila, Philippines, this _____ day of _____, 201_ personally appeared:

<u>NAME</u>	<u>GOVERNMENT-ISSUED IDENTIFICATION CARD</u>		
	<u>Number</u>	<u>Issued on</u>	<u>Issued at</u>
_____	_____	_____	_____
_____	_____	_____	_____

Known to me and to me known to be the same persons who executed the foregoing instrument and acknowledged to me that same is the free and voluntary act and deed of the entities which they respectively represent.

The foregoing instrument is a JOINT VENTURE AGREEMENT consisting of pages (exclusive of attachments), including this page on which this acknowledgment is written and signed by the parties hereto and their instrument witnesses on the left hand margin of each and every page hereof.

WITNESS MY HAND AND SEAL on the date and place first above written.

NOTARY PUBLIC
Until December 31, 20__

Doc. No. _____
Page No. _____
Book No. _____
Series of 20__

NET FINANCIAL CONTRACTING CAPACITY (NFCC) FORM

A. Summary of the Applicant Supplier’s/Distributor’s/Manufacturer’s assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped “RECEIVED” by the Bureau of Internal Revenue or its duly accredited and authorized institutions, for the preceding calendar/tax year which should not be earlier than two (2) years from date of bid submission.

		Year 20__
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = K (current asset – current liabilities) minus value of all outstanding works under ongoing contracts including awarded contracts yet to be started

NFCC = P _____

K = 15 regardless of contract duration

Herewith attached are certified true copies of the income tax return and audited financial statement: stamped “RECEIVED” by the BIR or its duly accredited or authorized institution for the preceding year which should not be earlier than two (2) years from date of bid submission.

Submitted by:

Name of Supplier / Distributor / Manufacturer

Signature of Authorized Representative

Date: _____



PROJECT: **Mass Production, Supply and Delivery of Science and Mathematics Equipment Packages to Public Elementary Schools for Grades 1 to 3 and Grades 4 to 6, Public Junior High Schools for Grades 7 to 10, and Public Senior High Schools for Grades 11 to 12 (CORE & STEM) (FY2022 SME Lots 5 & 7)**

CONTRACT NO.:

CONTRACT

THIS CONTRACT made and entered into this _____ day of _____ 2024 by and between the **DEPARTMENT OF EDUCATION**, located at DepEd Complex, Meralco Avenue, Pasig City, represented herein by its _____, _____, as per Department Order No. 001, s. 2023 and Office Order OO-OSEC-2023-60 (hereinafter referred to as “**DEPED**”); and _____, represented herein by its _____, _____, with office address at _____ (hereinafter referred to as “_____”), as per (Omnibus Sworn Statement/Secretary’s Certificate/Special Power of Attorney) dated _____ (hereto attached as Annex “A”).

DEPED and _____ are collectively called **PARTIES**.

WHEREAS, DEPED invited bids for the _____ consisting of _____ lots, and received bids from _____ for Lot No. _____; **DEPED** opened, read, and evaluated the bids of the bidders and declared _____ as having the Lowest Calculated Bid for Lot No. _____; after evaluation, **DEPED** post-qualified and declared the bid of _____ as the Lowest Calculated Responsive Bid for Lot No. 1 in the sum of **PHILIPPINE PESOS _____ MILLION, _____ THOUSAND, _____ HUNDRED and _____/100 (PhP_____) ONLY**, (hereinafter called the “Contract Price”) detailed as follows:

Lot No. (if applicable)	Description	Amount (PhP)

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract, words and expressions shall have the same meaning 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 part of this Contract, viz:
 - a. Resolution to Award No. _____ dated _____;

- b. Philippine Bidding Documents;
 - i. General and Special Conditions of the Contract;
 - ii. Schedule of Requirements; and
 - iii. Terms of Reference;
 - iv. Bid Bulletin No. _____ dated;
 - c. _____'s bid, including the eligibility requirements, technical and financial proposals, and all other documents or statements submitted;
 - d. Performance Security;
 - e. Notice of Award (NOA) of Contract and _____'s conforme thereto; and
 - f. Other contract documents required by existing laws and/or DepEd in the Bidding Documents. _____ agrees that additional contract documents of information prescribed by the Government Procurement Policy Board (GPPB) that are subsequently required for submission after the contract execution such as, but not limited to, Notice to Proceed and Variation Order, shall form part of the Contract.
3. _____ shall post a Performance Security within ten (10) calendar days from receipt of the Notice of Award (NOA) in the amount prescribed therein and in accordance with any of the forms prescribed therein in Section 39 of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act No. 9184, otherwise known as, "An Act Providing for the Modernization, Standardization, and Regulation of the Procurement Activities of the Government and for Other Purposes. The Performance Security shall be posted in favor of **DEPED**, and shall be forfeited in the event that it is established that _____ is in default of any of its obligations under this Contract. _____ shall be responsible for the extension of its performance security and/or undertake to renew its Performance Security whenever necessary, and without the need for prior notice of instruction from **DEPED**, to ensure that it is in force and effect for the whole duration of the Contract and until a Certificate of Final Acceptance is duly issued.
4. The goods referred to in this Contract shall be delivered by _____ at _____ within _____ calendar days from the receipt of the Notice to Proceed (NTP) or as may be indicated in the NTP. _____ shall ensure that the required goods will be rendered in accordance with the Section VI. Schedule of Requirements and Allocation List, which is hereto attached as Annex "B" and made an integral part hereof.
- Violation of this provision, based on documents and reports submitted and validated by the authorized receiving personnel may be a cause for the termination of the Contract.
5. **DEPED** shall have the right to visit and inspect _____ premises covered by the Contract at any time or stage of the contract implementation to monitor and assess _____ capacity to discharge its contractual obligations.

Pre-delivery and Pre-Implementation Conference shall be conducted prior to the conduct of inspection of goods by the designated DepEd Team, as may be necessary or applicable.

6. **DEPED** shall have the right to inspect and test or cause the testing of the goods covered by the Contract, at any time or stage of contract implementation. Prior to and for purposes of inspection, _____ shall ensure convenient access to the goods for inspection. _____ shall assign personnel to undertake the handling, unpacking, assembly, commissioning, disassembly, repacking, resealing, and sorting of the goods prior to, during, and after inspection.
7. The goods shall be inspected by the designated DepEd Inspectorate Team. _____ shall coordinate with **DEPED**, through the Procurement Management Service-Contract Management Division (ProcMS-CMD), on the conduct of inspection or pre-delivery inspection (PDI). Any request for inspection or PDI shall be done in writing, and submitted in accordance with Special Conditions of Contract (SCC) Clause 4 of the Bidding Documents.
8. The goods must conform to and comply with the standards mentioned in Section VII. Technical Specifications of the Bidding Documents, and must be in accordance with the final technical specifications as approved by the Bids and Awards Committee, or as amended by subsequently issued Bid Bulletin, if any, based on the samples submitted by _____, and reflected in the post-qualification report, which is hereto attached as Annex "C" and made an integral part hereof.
9. Goods with defects or non-compliant with the required technical specifications upon delivery shall be rejected, orally or in writing, by **DEPED** and replaced by _____ in accordance with the warranty provisions in the bidding documents. The replacement of the goods shall be subject to re-inspection.
10. In case _____ encounters condition(s) impeding timely delivery of the goods, _____ shall promptly notify **DEPED** in writing within five (5) calendar days from notice of such condition(s). Any request for work suspension and/or contract period extension shall be promptly done in writing as soon as circumstances for such request have become apparent. _____ must provide sufficient proof to support any request for work suspension and/or contract period extension. The grant of such request for extension shall be subject to the Discretion of DepEd taking due consideration of the proof provided by the Supplier and/or other surrounding circumstances.

DEPED accepts no liability for the damage of goods during transit. Risk and title to the goods will not be deemed to have passed to **DEPED** until its receipt and acceptance at the final destination through its authorized receiving personnel

11. The Contract Price shall be paid to _____ in accordance with the following disbursement procedures:
 - a. _____ may submit a request for payment based on the following:

- i. Supplier’s invoice showing goods’ description, quantity of goods delivered based on the schedule of delivery and other relevant terms and conditions of the contract, unit price, and total amount;
- ii. Duly signed Delivery Receipt/s;
- iii. Duly signed Inspection and Acceptance Report/s (IAR/s), including certification by _____, duly signed and dated by the authorized representative of **DEPED** indicating that the goods have been delivered in accordance with the Contract; and
- iv. Warranty Certificate.

Other documents in support of a request for payment may be required by **DEPED** pursuant to existing disbursement, accounting, and auditing rules and procedures.

- b. Payment shall be made to _____ within sixty (60) days after the date of acceptance of goods at the project site and upon submission of the documents specified in Special Conditions of Contract (SCC) Clause 2.2 and other documents as may be prescribed by **DEPED** in the following manner:
 - i. For the initial progress payment, _____ shall be paid upon delivery of at least 25% of the goods and acceptance of the same by an authorized representative of **DEPED**; and
 - ii. Final payment shall consist of the full and final payment of the unpaid inspected and accepted goods.
12. Payment shall be subject to the “Warranty” provision in the form of either retention money in an amount equivalent to three percent (3%) of the payment or a Special Bank Guarantee in an amount equal to three percent (3%) of the Contract Price required under Section 62 of RA 9184 and its revised IRR.
- a. A one-year comprehensive warranty for the delivered goods shall reckon from the date of the issuance of the Certificate of Final Acceptance by **DEPED**.
 - b. A longer warranty period shall be applied to the following goods:

Item	Warranty Period

- c. _____ shall replace and/or repair the goods that may be requested within seven hundred twenty (720) calendar days for non-expendable goods, and three hundred sixty (360) calendar days for expendable goods, from the date of acceptance of goods by **DEPED**. Replacement and/or repair of the goods shall be made within thirty (30) calendar days upon claim or request therefore. The replacement goods shall be subject to re-inspection.

In case _____ opts for retention money, the amount shall be released at the expiration of the entire warranty period, unless during the remainder of the warranty period, the retention money is substituted with a special bank guarantee.

13. Ownership, title, rights, and interest with respect to the contents of the user manuals including all resources, records, or materials used or obtained in the course of this Contract shall vest exclusively with **DEPED**. _____ hereby irrevocably waives any claim thereto. _____ shall not, in any manner or for any purpose, use the contents of the user manuals beyond what is expressly allowed for the purpose of accomplishing the terms under this Contract unless express permission of **DEPED** in writing is obtained.

14. Each party, in the performance of their respective duties and responsibilities under this Contract and in the implementation thereof shall adhere to Republic Act No. 10173, otherwise known as the “Data Privacy Act of 2012” and its Implementing Rules and Regulations and applicable National Privacy Commission issuances. Any gathered data and information should be protected and respected during the term and even after the termination of this Contract. The processing of any gathered data and information should be in compliance with the confidentiality and privacy requirements under the said law and applicable regulations.

15. _____ shall be liable for liquidated damages in an amount equal to one-tenth (1/10) of one percent (1%) of the cost of the delayed goods scheduled for delivery, for every day of delay until such goods are finally delivered and accepted by **DEPED**. **DEPED** shall deduct the liquidated damages from any money due or which may become due to _____, or collect from any of the securities or warranties posted by _____, whichever is convenient to **DEPED**. Once the accumulated amount of liquidated damages reaches 10% of the Contract Price, **DEPED** may rescind or terminate the Contract, without prejudice to other courses of action and remedies available under the circumstances.

16. The **PARTIES** shall make every effort to resolve amicably and by mutual consultation any and all disputes or differences arising between the **PARTIES** in connection with the implementation of the Contract. Should such dispute not be resolved amicably, it shall be submitted to Early Neutral Evaluation pursuant to Republic Act No. 9285 or the “Alternative Dispute Resolution Act of 2004”, and its Implementing Rules and Regulations.

IN WITNESS WHEREOF, the **PARTIES** hereto have caused this Contract to be executed in accordance with governing laws on the day and year first above written.

SIGNED, SEALED AND DELIVERED BY:

Department of Education _____

SIGNED IN THE PRESENCE OF:

DEPED's Witness _____ *'s Witness*

CERTIFIED FUNDS AVAILABLE:

Chief Accountant

REPUBLIC OF THE PHILIPPINES)
_____, METRO MANILA) S.S

ACKNOWLEDGMENT

BEFORE ME, a Notary Public for and in _____, Philippines, this
____ day of _____ 2024 personally appeared:

NAME

**GOVERNMENT
ISSUED ID**

*(Number, Issued On,
Issued By)*

Department of Education

Known to me and to me known to be the same persons who executed the foregoing instrument and acknowledge to me that the same is the free and voluntary act and deed of the entities which they respectively represent.

The foregoing instrument is a CONTRACT consisting of six (6) pages (exclusive of attachments), including this page on which this acknowledgment is written and signed by the parties hereto and their instrument witness on the left-hand margin of each and every page hereof.

WITNESS MY HAND AND SEAL on the date and place first above written.

Doc. No. ____;
Page No. ____;
Book No. ____;
Series of 2024.

NOTARY PUBLIC

Bid Security (Bank Guarantee) Form

WHEREAS, [insert name of Bidder] (hereinafter called the "Bidder") has submitted its bid dated [insert date] for the [insert name of contract] (hereinafter called the "Bid").

KNOW ALL MEN by these presents that We [insert name of Bank] of [insert name of Country] having our registered office at [insert address] (hereinafter called the "Bank" are bound unto the *DEPARTMENT OF EDUCATION Central Office*, (hereinafter called the "Entity"), in the sum of [insert amount] for which payment well and truly to be made to the said Entity the Bank binds itself, its successors and assigns by these presents.

SEALED with the Common Seal of said Bank this ___ day of _____ 201_.

THE CONDITIONS of this obligation are:

1. If the Bidder:
 - (a) withdraws its Bid during the period of bid validity specified in the Form of Bid; or
 - (b) does not accept the correction of arithmetical errors of its bid price in accordance with the Instructions to Bidder; or
2. If the Bidder having been notified of the acceptance of its bid by the Procuring Entity during the period of bid validity:
 - (a) fails or refuses to execute the Contract Form in accordance with the Instructions to Bidders, if required; or
 - (b) fails or refuses to furnish the Performance Security in accordance with the Instructions to Bidders.

We undertake to pay to the Entity up to the above amount upon receipt of its first written demand, without the Entity having to substantiate its demand, provided that in its demand the Entity will note that the amount claimed by the Entity is due to the Entity owing to the occurrence of one or both of the two (2) conditions, specifying the occurred condition or conditions.

The Guarantee will remain in force up to and including the date [insert days] days after the deadline for submission of Bids as such deadline is stated in the Instructions to Bidders or as it may be extended by the Entity, notice of which extension(s) to the Bank is hereby waived. Any demand in respect of this Guarantee should reach the Bank not later than the above date.

DATE _____

WITNESS _____
(Signature, Name and Address)

SIGNATURE OF THE BANK _____

SEAL _____

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]

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 the 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.**

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]

Performance Security (Bank Guarantee) Form

To : The Secretary
Department of Education
DepEd Complex, Meralco Avenue
Pasig City

Attention: The Chairperson
Bids and Awards Committee

WHEREAS, [insert name and address of Supplier] (hereinafter called the "Supplier") has undertaken, in pursuance of Contract No. [insert number] dated [insert date] to execute [insert name of contract and brief description] (hereinafter called the "Contract");

AND WHEREAS, it has been stipulated by you in the said Contract that the Supplier shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS, we have agreed to give the Supplier such a Bank Guarantee;

NOW THEREFORE, we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Supplier, up to a total of [insert amount of guarantee] proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of [insert amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed there under or of any of the Contract documents which may be made between you and the Supplier shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the date of your issuance of the Notice of Final Acceptance.

SIGNATURE AND SEAL OF THE GUARANTOR

NAME OF BANK

ADDRESS

DATE _____

FINANCIAL BID FORM

Date: _____
Project Nos: _____

The Secretary
Department of Education
DepEd Complex, Central Office
Meralco Avenue, Pasig City

Attention: The Chairperson
Bids and Awards Committee

Gentlemen and/or Ladies:

Having examined the Bidding Documents including 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 Bidding Documents for the sum of *[total Bid amount in words (and figures)]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we undertake to provide a performance security in the form, amounts, and within the times specified in the Bidding Documents.

We agree to abide by this Bid for the Bid Validity Period specified in BDS provision for ITB Clause 17.1 and 18.2, respectively, and it shall remain binding upon us and may be accepted at any time before the expiration of that bid validity period.

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 or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements as per ITB Clause 5 of the Bidding Documents.

We likewise certify/confirm that the undersigned, *[for sole proprietorships, insert: as the owner and sole proprietor or authorized representative of Name of Bidder, has the full power and authority to participate, submit the bid, and to sign and execute the ensuing contract, on the latter's behalf for the Name of Project of the Name of the Procuring Entity] [for partnerships, corporations, cooperatives, or joint ventures, insert: is granted full power and authority by the Name of Bidder, to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for Name of Project of the Name of the Procuring Entity].*

We, further, confirm that, for purposes of this bid, and if such Bid is accepted, the address stated below shall be the Supplier's official address and contact numbers, as reflected in the *(state proof of billing e.g. PhilGEPS Certificate, Mayor's Permit, SEC, Tax Clearance)*

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.

Dated this _____ day of _____ 20_____.

[signature over printed name of
Authorized Representative]

[in the capacity of _____]
(designation of Authorized Representative)

Duly authorized to sign Bid for and on behalf of _____
[Registered Company/Business Name of the Bidder]

Address : _____

Telephone No : _____

Telefax: _____

Email address : _____

BANK GUARANTEE FORM FOR ADVANCE PAYMENT

To: **Department of Education**
[name of Contract]

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called the "Supplier") shall deposit with the PROCURING ENTITY a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

We, the *[bank or financial institution]*, as instructed by the Supplier, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to the PROCURING ENTITY on its first demand without whatsoever right of objection on our part and without its first claim to the Supplier, in the amount not exceeding *[amount of guarantee in figures and words]*.

We further agree that no change or addition to or other modification of the terms of the Contract to be performed thereunder or of any of the Contract documents which may be made between the PROCURING ENTITY and the Supplier, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition, or modification.

This guarantee shall remain valid and in full effect from the date of the advance payment received by the Supplier under the Contract until *[date]*.

Yours truly,

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]

SEALING AND MARKING OF BIDS

GOODS AND SERVICES

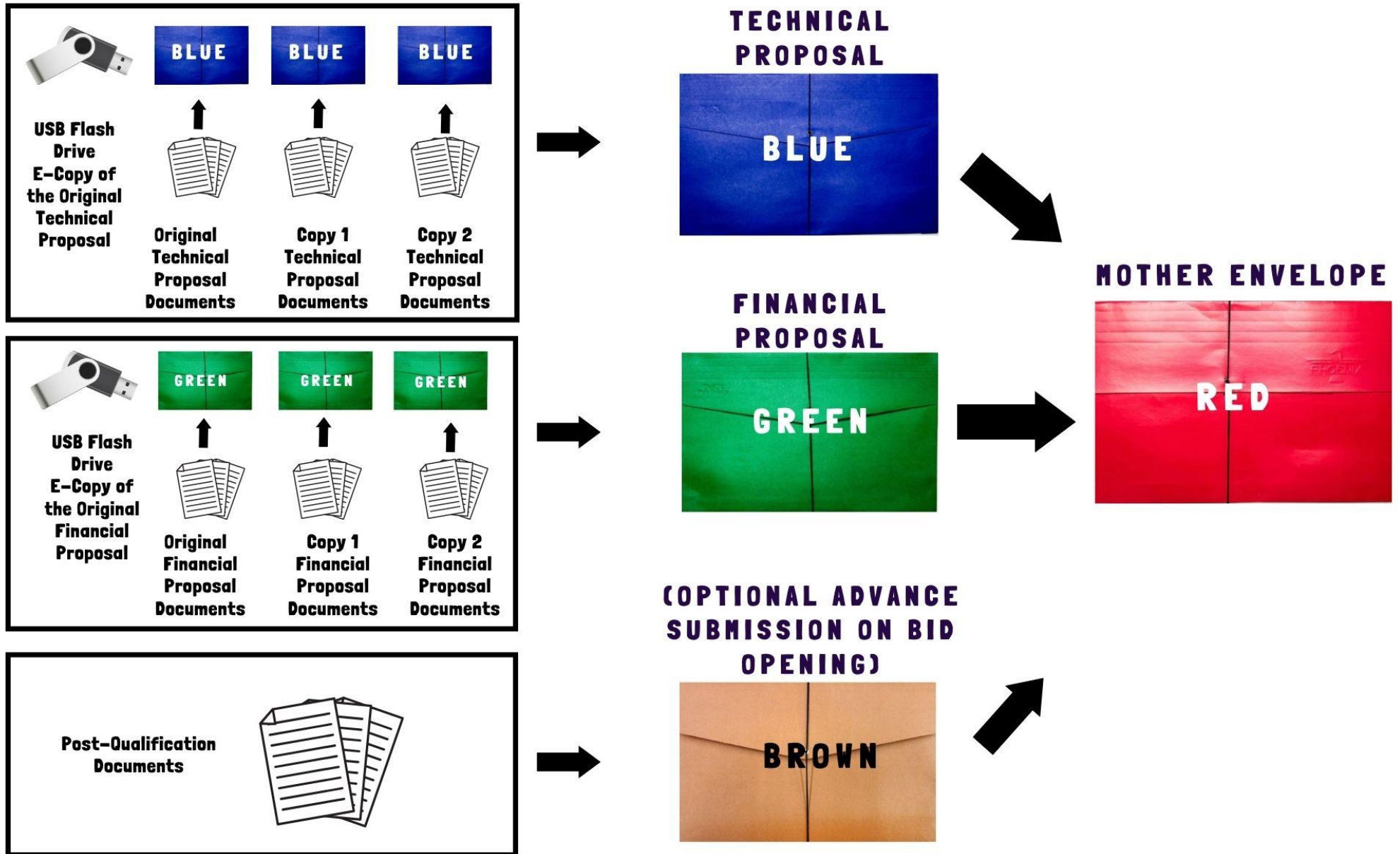


Illustration 1

ORIGINAL / COPY NO. ____

[BIDDER'S COMPANY NAME]

[COMPANY'S OFFICE ADDRESS] PUBLIC BIDDING:

[PROJECT TITLE]:

BIDDING FOR [no.] : [item description] (if applicable)

THE CHAIRPERSON BIDS AND AWARDS COMMITTEE
DEPARTMENT OF EDUCATION CENTRAL OFFICE
[VENUE OF BID OPENING]

DO NOT OPEN BEFORE [TIME AND DATE OF BID OPENING]

Republic of the Philippines



Government Procurement Policy Board