PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

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 (FY2024 SME Lots 3 & 5)

Government of the Republic of the Philippines



Bureau of Learning Resources - Cebu

SEPTEMBER 2024

2024-BLR4(013)-BV-CB-045

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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.

BDS - Bid Data Sheet.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) preinvestment 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.: 2024-BLR4(013)-BV-CB-045

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 (FY2024 SME Lots 3 & 5)

1. The Department of Education (DepEd), through the Government of the Philippines (GOP) under 2024 LTE-SME Current Funds intends to apply the sum of Philippine Pesos Two Hundred Seventy One Million, Eighty Nine Thousand, Three Hundred Sixty Three Pesos and 10/100 (271,089,363.10) 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 (FY2024 SME Lots 3 & 5)

broken down as follows:

LOT NO.	DESCRIPTION	ITEMS	APPROVED BUDGET FOR THE CONTRACT (ABC) in PhP
3	BLR – Developed Storage Cabinets	BLR – Developed Storage Cabinet	162,554,450.00
5	Glasswares and Laboratory Tools	33 Items specified in Section VII (Technical Specifications) of this Bidding Documents	108,534,913.10
	TOTAL		271,089,363.10

Bids received in excess of the ABC for each lot of 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 per lot 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 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 emailthe 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 as follows:

Lot No.	Bidding Documents Fee (<i>In Php</i>)
1	30,000.00
2	20,000.00
Total	50,000.00

- 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 aformentioned 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 Bidde	Section	II. I	Instructions	to	Bidder
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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 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 (FY 2024 SME Lots 3 & 5) with project identification number 2024-BLR4(013)-BV-CB-045.

The Procurement Project (referred to herein as "Project") is composed of two (2) Lots, 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 Two Hundred Seventy-One Million, Eighty-Nine Thousand, Three Hundred Sixty-Three Pesos and 10/100 (271,089,363.10) only.
- 2.2. The source of funding is the **GAA 2024** under **2024 LTE-SME Current 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 Goodsshall be quoted delivered duty paid (DDP) with the place ofdestination 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.
- 19.4. 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.
- 19.5. The Project shall be awarded as separate contract per lot.
- 19.6. 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	For this purpose, contracts similar to the projects shall be:
	 a. For Lot 3: Manufacture, Supply and Delivery Metal Products (should include metal storage cabinets) For Lot 5: Supply and Delivery of Science Equipment
	b. completed within a period of at least ten (10) years immediately preceding to the deadline for the submission and receipt of bids.
7.1	Subcontract
	Subcontracting shall NOT be allowed.
9	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.
	The Procuring Entity's address is:
	Dir. SUZETTE T. GANNABAN-MEDINA Bids and Awards Committee (BAC) V c/o 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 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.
11	Documents comprising the Bid: Financial Component
	The second bid envelope shall contain the financial documents for the Bid, and the Bid Form and Price Schedule shall be per lot as prescribed in the forms provided herein.
12	The price of the Goods shall be quoted DDP (Schools) or the applicable International Commercial Terms (INCOTERMS) for this Project.
	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.
	Results of bid evaluation that will exceed the ABC shall be a ground for rejection of the bid(s).

14.1				of a Bid Securing De ed in this bidding do	claration, or any of the ocument.	
			Cost Breakdown of the Approved		y Form & Amount Securing Declaration)	
	Lot No.	Description	Budget for the Contract (ABC) PhP	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)	
	3	BLR – Developed Storage Cabinets	162,554,450.00	3,251,089	8,127,722.5	
	5	Glasswares and Laboratory Tools	108,534,913.10	2,170,698.26	5,426,745.65	
14.2	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 lot numbers bidded for. 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					
15	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 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" 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.					
		_			its, 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
	BLR-Developed	BLR-developed	
3	Storage Cabinets	storage cabinets	162,554,450.00
5	Glasswares and Laboratory Tools and Equipment	33 Items specified in Section VII (Technical Specifications) of this Bidding Documents	108,534,913.10
	TOTAL	271,089,363.10	

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.**

The computation of a prospective bidder's NFCC must be at least equal to the ABC to be bid, calculated as follows:

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

20

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.

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)

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.

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.

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.

In case of a foreign joint venture, the NFCC shall be computed based on the Audited Financial Statements of the **LOCAL LEAD PARTNER**, 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.

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.

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.

- 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 ElectronicFiling 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, aftersales 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 postqualification 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, prospection, 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.**

These samples should not be part of the units to be delivered.

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 shall be a ground for disqualification of the bidder/s.

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

	Special Conditions of Contract
GCC Clause	
1	Delivery and Documents –
	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:
	The delivery terms applicable under this Contract shall be DDP (Duties Delivered 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 (Schools).
	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.
	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.
	Upon delivery of the goods to the delivery site, the Supplier shall notify DepEd and present the following documents:
	 Original and four copies of the Supplier's invoice showing goods' description, quantity, unit price, and total amount; Original and four copies of the Manufacturer's and/or Supplier's Warranty Certificate, where applicable; 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.
	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.
	Incidental Services –
	The Supplier is required to provide all of the following services, including additional services, if any, as follows:
	a. Performance or supervision of on-site assembly and/or start-up of the

supplied goods;

- b. Furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
- c. Furnishing od 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 obligation; 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)

Packaging/Unpacking instructions

- Any special lifting instructions
- Any special handling instructions
- Any relevant HAZCHEM classifications

Supplier's Name and Contract Details

Reciptient's Name and Contract Details"

Insurance -

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.

Transportation -

Transport of the goods shall be arranged by the Supplier, and related costs shall be included in the contract price.

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.

Intellectual Property Rights -

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.

2.2 Schedule of Payment

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:

Progress Payment

Progress payment shall be paid to the Supplier in accordance with the following:

Progress payment is allowed upon submission of eligible documents equivalent to at least 25% of the contract price with complete delivery and acceptance to the recipient schools.

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.

Final payment

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.

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.

3 **Performance Security**

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.

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.

4 Inspection

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.

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:

- 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.

The request for inspection or PDI shall be addressed to ProcMS-CMD, and must be submitted through email at procms.cmd@deped.gov.ph.

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.

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.

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.

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.

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.

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.

5 Warranty

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).

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.

Replacement of all rejected goods may be requested within thirty (30) calendar days from the receipt of Notice of Rejection from the recipient schools.

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.

The **Rentention Money** or **Special Bank Guarantee** 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.

Section	VI. Sch	edule oj	f Requir	rements

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 MATHEMATIC EQUI	·	S PRODU	CTION ITEMS)
LOT 3: BLR - DEVELOPED STORAGE	CABINETS		040.0.1.1
BLR – Developed Storage Cabinet	10,100	рс	240 Calendar Days for Delivery to 5,004 Recipient Schools
I.SCIENCE AND MATHEMATICS EQUI	PMENT (MAR	KET ITE	
LOT 5: GLASSWARES AND LABORATO	ORY TOOLS A	ND EQUI	PMENT
Breaker, borosilicate, 250 mL	89,000	pc	
Breaker, borosilicate, 50 mL	89,000	pc	
Burette, 10 mL capacity (acid)	13,630	pc	
Burette, 10 mL capacity (base)	13,630	pc	
Burner, Alcohol, glass, 150 mL Capacity	89,000	рс	
Burner, Bunsen	15,595	рс	
Cork Stopper #5 (for Ø 16mm test tube)	15,595	pc	
Crucible with lid/cover	15,595	pc	
Dish, Evaporating, 75 mL	46,495	pc	
Distillation set-up: Condenser, Leibig- type	4,310	рс	240 Calendar
Distillation set-up: Distilling Flask, borosilicate, 250 mL	4,310	pc	Days for Delivery to 11,541
Double burette clamp/holder	4,310	pc	Recipient Schools
Electrolysis Apparatus, student-type (Brownlee)	9,357	рс	
Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	89,000	рс	
Funnel, borosilicate, fluted	53,400	pc	
Glass Tubing	15,595	pc	
Manometer, Open U-tube	4,310	pc	
Mortar and Pestle, porcelain, 150 mL	46,495	pc	
Osmosis Apparatus	4,310	рс	
pH meter, hand-held digital	5,452	pc	
Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	15,595	pc	

Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	15,595	pc	
Rubber Stopper #0 (for Ø 16mm test tube)	15,595	pc	
Spatula, spoon, porcelain and glazed	89,000	pc	
Stirring Rod, Ø 6 mm x 250 mm long	89,000	pc	
Test Tube, borosilicate, Ø 16 mm x 150 mm long	399,175	pc	
Test tube brush	89,000	pc	
Tong, Crucible	15,595	pc	
Universal pH indicator	13,630	pc	
Vial, screw-neck, 25 mL. (with screw-type plastic cap)	359,990	pc	
Vial, screw-neck, 50 mL. (with screw-type plastic cap)	359,990	pc	
Volumetric Flask, borosilicate 250 mL	11,285	pc	
Watch Glass, Ø 90 mm	89,000	pc	
TOTAL	2,200,939	-	

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. Tech	inical Sp	ecificati	ons

Technical Specifications

Item	Specification	Statement of Compliance
		[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.]

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 (MASS PRODUCTION ITEMS)				
LOT 3		D STORAGE CABINETS			
	BLR-developed	Functional Specifications: Used for			
1	Storage	storage of science and mathematics			
	Cabinet	equipment			
		Design Specifications: please see attached Technical Drawing			
I. SCIE	ENCE AND MATHI	EMATICS EQUIPMENT (MARKET ITE	MS)		
		ND LABORATORY TOOLS AND EQUI			
		Functional Specifications: Used to			
	Beaker,	contain/hold/prepare solids and			
1	borosilicate,	liquids during chemical reaction and			
-	250 mL	to heat them over a Bunsen burner's			
	200 1112	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	
		7 7 7 7	
		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	
		Functional Specifications: Used to	
	Beaker,	contain/hold/prepare solids and	
2	borosilicate,	liquids during chemical reaction and	
	50 mL	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	
		Functional Specifications: Used to	
		hold/contain the acid up to 10 mL	
3	Burette, 10 mL	capacity as a titrant to be delivered/	
	capacity (acid)	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	

		. 1 1	
		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	
		Functional Specifications: Used to	
		hold/contain the base as a titrant to	
	Burette, 10 mL	be delivered/ dispensed to tirate an	
4	capacity (base)	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	
		1 1 / 1	
		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	
	Burner,	Functional Specifications: Used to	
5	Alcohol, glass,	produce hot, consistent open flame	
3	150 mL	for slow/gentle heating of	
	Capacity	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	
	1		

		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. Materia 1: 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	
_	Burner,		
6	Bunsen	Functional Specifications: Used to:	
		a) produce single, hot, continuous,	
		consistent open blue flame	
		b) for slow/gentle heating of	
L	1	S/ 101 Slow/ Schille healths of	

	degawares and substances	
	glasswares and substances,	
	c) rapidly heat high-boiling liquids	
<u> </u>	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	
	1. Must be able to static solicity/18	<u> </u>

		atable when mlaced on a level	
		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	
		Functional Specifications: Used to	
	Cork Stopper #	seal the openings of 16 mm	
7	5 (for Ø 16mm	diameter test tubes and other	
_	test tube)	laboratory glassware to prevent	
	1330 0430,	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 tubesand other	
		laboratory glassware and to prevent	
		leaks, hazards and contaminationto	
		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	
		Functional Specifications: Used as	
	Crucible with	a container to heat metals or other	
8			
	lid/cover	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.	
		•	1

		F 377/41	T T
		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 and	
		sharp edges, surface irregularities	
		and all other defects not stated	
		herein	
		8. Comes with a brand printed	
		permanently in the	
		comparmentalized sturdy box	
		9. Must be brand new	
		Functional Specifications: Used to	
	Dish,	contain/hold substances and to	
9	Evaporating,	heat chemical solutions gradually,	
	75 mL	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 surfaceirregularities	
		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	

Distillation set-up: Condenser, Liebig-type Performance Specifications: Must be able 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 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: 24/4/0 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 that will fit upper (inlet) tube iii) Diameter of hole: One (1) hole iiii) Diameter of hole: 5.0-5.5 mm iv) Hardness: 40-45 Duro			10. Must be brand new	
condenser, Liebig-type Performance Specifications: Must be able to condense the water vapor into its liquid state producing a distillate used in distillate, used in 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 protructing 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 blyacket 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 that will fit upper (inlet) tube ii) Number of hole: One (1) hole iii) Diameter of hole: 5.0-5.5 mm		Distillation	Functional Charifications: Hand to	
Condenser, Liebig-type 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:	10	set-up:		
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hole iii)Diameter of hole: 5.0-5.5 mm			ii) Number of hole : One (1)	
mm				
			iii)Diameter of hole: 5.0-5.5	
iv) Hardness : 40-45 Duro				
			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:	
and model merading the fiame.	<u>l</u>

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		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	+
	Distillation	10. Mast be braile flew	
	set-up:	Functional Specifications: Used to	
	Distilling	hold/ contain the liquid to be	
11	Flask,	distilled in distillation, as one of the	
	T		
	borosilicate, 250ml,	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	
		1	
		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	
		Functional Specifications: Used to	
10	Double burette	hold and secure two burettes on a	
12	clamp/holder	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	
		1 to 11/4 the / common continue of common () com	1
		6. With 4 spring action clamps, 2 on each opening	

1		7 With two gaments adjusting	
		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	
		Functional Specifications: Used to	
		demonstrate and describe the	
	Electrolysis	decomposition reactions at the	
13	Apparatus,	electrodes during the electrolysis of	
13	student-type	water, producing 1:2 ratio of	
	(Brownlee)	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:	
T		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-	
	İ	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 :150-151mm 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 containthe	
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	
iv) Orientation, or trait	

\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ 	1	
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 ont	
		the glass	
		23. Must be brand new	
	Flask,	25. Wast be braild fiew	
14	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: ±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	
	Funnel,	Functional Specifications: Used to	
15	borosilicate,	direct the smooth flow of the liquid	
	fluted	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	
		Functional Specifications: Used to	
		contain/hold/mix liquids or gases	
16	Class Tubins	during chemical reactions and to	
10	Glass Tubing	connect other pieces of	
		equipment/glasswares to a gas or	
		liquid assembly	
		Performance Specifications: Must	
		be able to:	
		a) be bent to onnect 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	

	T		Т Т
		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	
		Functional Specifications: Used to	
1.77	Manometer,	indicate the difference in the heights	
17	Open U-tube	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 rifted 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:	
		,	
	1	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) Insentences 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	
18	Mortar and	Functional Specifications: Used to	

Pestle,	pulverize/mash/grind and to mix	
	- , , -	
porcelain, 150	materials in a mortar using a pestle	
mL.	D C C 'C' '. M	
	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, sharpedges,	
	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	

		Functional Considerations, II-14	
		Functional Specifications: Used to	
	Osmosis	to show that water passes through a	
19	Apparatus	semi-permeable membrane causing	
	ppu-ucus	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 thatends	
		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	
	1	טנווכו עכוככוס ווטו סומוכע ווכוכווו	<u>l</u>

1) 01	T
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, pucntuations 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	
		Functional Specifications: To	
	pH meter,	measure the pH of a substance or	
20	hand-held,	solution indicating its acidity, being	
	digital	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	
		specifi part being labeled	
		16. Must be free from sharp edges	
	Reagent	Functional Specifications: Used to	
	Bottle, narrow-	contain/store and to provide UV	
21	mouth, amber,	protection of prepared light sensitive	
	borosilicate,	solutions/substances to prevent	
	250 mL	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	
	Reagent		
	Bottle, wide-	Functional Specifications: Used to	
22	mouth,	hold/ contain/store prepared	
	transparent,	solutions/ substances	
	borosilicate,		
	250 mL		
		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:	
Design Specifications: 1. Shape: Cylindrical wide-mouth bottle 2. Material: Borosilicate, clear, smooth, transparent and bubble- free glass, with the following	
1. Shape: Cylindrical wide-mouth bottle 2. Material: Borosilicate, clear, smooth, transparent and bubble-free glass, with the following	
bottle 2. Material: Borosilicate, clear, smooth, transparent and bubble- free glass, with the following	
2. Material: Borosilicate, clear, smooth, transparent and bubble-free glass, with the following	
smooth, transparent and bubble- free glass, with the following	
smooth, transparent and bubble- free glass, with the following	
free glass, with the following	
difficitions.	
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	
Functional Specifications: Used to	
seal the openings of 16 mm	
diameter test tubes and other	
Stopper # U laboratory glassware that require a	
(for Ø 16mm tighter seal or a greater degree of	
test tube) 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	
	Spatula,	Functional Specifications: Used to	
24	spoon,	hold/contain and transfer solids	
	porcelain and	and liquids from one container to	
	glazed	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.	<u> </u>
		6. Comes with a brand marked	
		permanently in the box	<u> </u>
		7. Must be brand new	
	Stirring Rod, Ø	Eurotional Considerations, II14	
25	6 mm x 250	Functional Specifications: Used to	
	mm long	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	
	•	• •	<u>. </u>

		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. Materia 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 icluding	
		all other defects not stated herein	
		6. Comes with a brand marked	
		permanently in the box	
		7. Must be brand new	
		Functional Specifications: Used to	
26	Test tube	clean test tubes and other small	
	brush	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	
		o) over an length, 220 223 mm	
		3. Material of handle: Galvanized	

		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	
	Test Tube,	Functional Specifications: Used to	
	borosilicate, Ø	contain/hold a small chemical	
27	16 mm x 150	reaction, to mix small quantities of	
	mm long	solids and liquids, and to heat small	
	mm rong	quantities of substances	
		Performance Specifications: Must	
		be able to contain/hold a small	
		chemical reaction and , mixes solids	
		and liquids, heats small quantitiy 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	
		Functional Specifications: Used	
00		to lift and hold crucibles,remove the	
28	Tong, Crucible	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	
		Functional Specifications: Used as	
	Universal pH	an indicator to determine/measure	
29	indicator	the pH of substances, whether it is	
	indicator	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	
	Vial, screw-		
	neck, 25 ml.	Functional Specifications: Used to	
30	(with screw-	hold/contain/store/mix small	
	type plastic	quantities of samples/	
	cap)	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 Congoity: 05 ml	
		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	
	Vial, screw-		
	neck, 50 mL.	Functional Specifications: Used to	
31	(with screw-	hold/contain/store/mix small	
01	type plastic	quantities of samples/	
	cap)	solutions/substances up to 50 mL	
	-αp _j	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	
00	Volumetric	Functional Specifications: Used to	
32	Flask,	measure/prepare/contain a precise	
<u> </u>		the state of the s	1

	borosilicate	volume of standard solutions at a	
	250 mL	certain temperature and precise	
	200 1112	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	
<u></u>		(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,	
		<i>G ,</i>	
		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	
33	Watch Glass, Ø	Functional Specifications: Used to:	
	90 mm		

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 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 (FY 2024 SME Lots 3 & 5)

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 Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR; *Technical Documents* Statement of the prospective bidder of all its ongoing government and ☐ (b) 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 Statement of the bidder's Single Largest Completed Contract (SLCC) □ (c) 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 Conformity with the Technical Specifications, □ (e) production/delivery schedule, manpower requirements, and aftersales/parts; and Original duly signed Omnibus Sworn Statement (OSS) and if □ (f) 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 The prospective bidder's computation of Net Financial Contracting □ (g) 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).
<u>Oth</u>	ner do	See Annex "D" for the Price Schedule Form. cumentary 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.
	(1)	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 :	<u> </u>							
Business Address :								
Name of Contract/	Owner's Name	N	Bidder's Rol	e	Date Awarded		% of olishment	Value of
Project Cost	a. Address b. Telephone Nos.	Nature of Work	Description	%	a. Date Started b. Date of Completion	Planned	Actual	Outstanding Works / Undelivered Portion
Government								
<u>Private</u>								
Note: (In case of no ongoing Applicable (N/A)" under the Submitted by: Printed Na Designation:		f Contract (:	first column from	m le	eft)	ongoing co	 ontracts" or	"None" or "Not
Date:		_						

STATEMENT IDENTIFYING THE SINGLE LARGEST COMPLETED CONTRACT

Business Name	<u>:</u>				-	
Business Address	:				_	
			Bidder's Role			a. Date Awarded b. Contract
Name of Contract	a. Owner's Name b. Address c. Telephone Nos.	Nature of Work	Description	%	a. Amount at Award b. Amount at Completion c. Duration	Effectivity c. Date Completed d. Contract Performance certified by End User
Government						
<u>Private</u>						
Note: The bidder must be a	able to support this statem	ent with:			,	
1) End-User's Accep	tance; 2) Contract; and 3)	Official Receipt	ts or Sales Invoi	ce		
Submitted by	:					
-	(Printed	Name and Si	gnature)			
Designation	:					
Date	:					

Joint Venture Agreement Form

KNOW ALL MEN BY THESE PRESENTS	:
	REEMENT is entered into By and Between ivil status), owner/proprietor of
and a resid	ent of
	and -
, of legal age_ and a resident	, <u>(civil status)</u> , owner/proprietor of tof
is needed to facilitate the Joint Venture	gether their manpower, equipment, and what to participate in the Eligibility, Bidding and project to be conducted by the <i>(Name of the</i>
NAME OF PROJECT	CONTRACT AMOUNT
That both parties agree to be assignment.	jointly and severally liable for the entire
	ee that and and interest of and entage of shares) respectively
granted full power and authority to denecessary and/or to represent the Jo	and/or l Representative of the Joint Venture, and is lo, execute and perform any and all acts oint Venture in the bidding as fully and o and if personally present with full power
THAT this Joint Venture Agreem stated Projects until terminated by both	nent shall remain in effect only for theabove parties.
Done this day of	in the year of our Lord .

SIGNE	ED IN THE PRESEN	CE OF:	
Witness		Witnes	SS
REPUBLIC OF THE PHILIPPIN PASIG CITY, METRO MANILA	,		
ACI	KNOWLEDGM	ENT	
BEFORE ME, a Notary Philippines, this appeared:			
<u>NAME</u>	IDENTIFI(MENT-ISSUED CATION CARD <u>Issued on</u>	<u>Issued at</u>
Known to me and to m foregoing instrument and ackract and deed of the entities wh	nowledged to me th	at same is the free	
The foregoing instrume pages (exclusive of attachment is written and signed by the pa hand margin of each and every	s), including this parties hereto and the	age on which this ac	cknowledgment
WITNESS MY HAND AN	NO	e and place first abo TARY PUBLIC til 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 / Manufacture
Signature of Authorized Representative Date:

Republic of Philippines

DEPARTMENT OF EDUCATION



DepEd Complex, Meralco Avenue, Pasig City
Trunk Line (08) 632-13-61, Website http://www.deped.gov.ph

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 (FY2024 SME Lots 3 & 5)				
CONTRACT NO.:				
	CONTRACT			
Meralco Avenue, Pa as per Department (hereinafter referred ——————————————————————————————————	asig City, represented herein by to Order No. 001, s. 2023 and do to as "DEPED"); and, with office address do to as ""), as per (Omnii Power of Attorney) dated are collectively called PARTIES DEPED invited bids for the s, and received bids from for bids of the bidders and declaration. DEP e Lowest Calculated Responsive	r Lot No; DEPED opened, read, ared as having the Lowest PED post-qualified and declared the Bid for Lot No. 1 in the sum of ND , HUNDRED and/100		
Lot No. (if applicable)	Description	Amount (PhP)		
NOW THIS CO	ONTRACT WITNESSETH AS FO	LLOWS:		
	ontract, words and expressions s ely assigned to them in the Cond	shall have the same meaning as are litions 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. Res	olution 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.	recei acco revis othe: Stan Gove poste estal Cont secu nece to er	shall post a Performance Security within ten (10) calendar days from int of the Notice of Award (NOA) in the amount prescribed therein and in redance with any of the forms prescribed therein in Section 39 of the 2016 sed Implementing Rules and Regulations (IRR) of Republic Act No. 9184 rwise known as, "An Act Providing for the Modernization adardization, and Regulation of the Procurement Activities of the ernment and for Other Purposes. The Performance Security shall be ded in favor of DEPED , and shall be forfeited in the event that it is blished that is in default of any of its obligations under this tract shall be responsible for the extension of its performance rity and/or undertake to renew its Performance Security whenever essary, and without the need for prior notice of instruction from DEPED insure that it is in force and effect for the whole duration of the Contraction until a Certificate of Final Acceptance is duly issued.
4.	at Noti shal Sect atta	goods referred to in this Contract shall be delivered by within calendar days from the receipt of the ce to Proceed (NTP) or as may be indicated in the NTP ll ensure that the required goods will be rendered in accordance with the cion VI. Schedule of Requirements and Allocation List, which is hereto ched as Annex "B" and made an integral part hereof.
	tern	dated by the authorized receiving personnel may be a cause for the nination of the Contract.
•	the (ED shall have the right to visit and inspect premises covered by Contract at any time or stage of the contract implementation to monitor assess capacity to discharge its contractual obligations.

5.

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. 8.	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. 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 reinspection.
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 good delivered based on the schedule of delivery and other relevaterms and conditions of the contract, unit price, and total amout ii. Duly signed Delivery Receipt/s; iii. Duly signed Inspection and Acceptance Report/s (IAR/including certification by, duly signed and dated by 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 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 acceptance of goods at the project site and upon submission of documents specified in Special Conditions of Contract (SCC) Clause and other documents as may be prescribed by DEPED in the follow 			
manner: i. For the initial p	rogress payment, shall be paid upon delivery of the goods and acceptance of the same by an		
authorized repr ii. Final payment	esentative of DEPED ; and shall consist of the full and final payment of the ed and accepted goods.		
retention money in an am or a Special Bank Guara Contract Price required to a. A one-year comp reckon from the Acceptance by DE	et to the "Warranty" provision in the form of either nount equivalent to three percent (3%) of the payment intee in an amount equal to three percent (3%) of the under Section 62 of RA 9184 and its revised IRR. We rehensive warranty for the delivered goods shall date of the issuance of the Certificate of Final PED. period shall be applied to the following goods:		
Item	Warranty Period		
within seven hund goods, and three goods, from the d and/or repair of t	ce and/or repair the goods that may be requested dred twenty (720) calendar days for non-expendable hundred sixty (360) calendar days for expendable ate of acceptance of goods by DEPED . Replacement the goods shall be made within thirty (30) calendar or request therefore. The replacement goods shall be ection.		
expiration of the entire	etention money, the amount shall be released at the warranty period, unless during the remainder of the tention money is substituted with a special bank		

12.

	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.
10	on 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.
	WITNESS WHEREOF, the PARTIES hereto have caused this Contract to be ed 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:

13. Ownership, title, rights, and interest with respect to the contents of the user

	Chief Accountant
REPUBLIC OF THE PHILIPPINES), METRO MA	NILA) S.S
AC	KNOWLEDGMENT
BEFORE ME, a Notary Public day of 2024 pe	c in and for, Philippines, this ersonally appeared:
NAME	GOVERNMENT ISSUED ID (Number, Issued On, Issued By)
Department of Education	
	be the same persons who executed the foregoing that the same is the free and voluntary act and deed by represent.
attachments), including this page of	NTRACT consisting of six (6) pages (exclusive of n which this acknowledgment is written and signed rument witness on the left-hand margin of each and
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.

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	SIGNATURE OF THE BANK
WITNESS	SEAL
(Signature, Name and Address)	

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 toyour 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]

REPUI	BLIC OF THE PHILIP	PINES)
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;

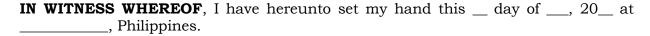
6. [Select one, delete the rest:]

[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 enduser 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.



[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 <u>[insert amount of guarantee]</u> 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 <u>[insert amount of guarantee]</u> 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 <u>Name of Bidder</u>, 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 <u>Name of Project</u> of the <u>Name of the Procuring Entity</u>] [for partnerships, corporations, cooperatives, or joint ventures, insert: is granted full power and authority by the <u>Name of Bidder</u>, to participate, submit the bid, and to sign and execute the ensuing contract on the latter's behalf for <u>Name of Project</u> of the <u>Name of the Procuring Entity</u>].

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 prin	ited name of	in the capacity	of
Authorized Represe	ntative]	(designation of	Authorized Representative
Duly authorized to	sign Bid for and o	n behalf of	
•	[Regis	stered Company/Bu	siness 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].

Signature and seal of the Guarantors

Yours truly,

[name of bank or financial institution]	
[address]	_
[date]	_

SEALING AND MARKING OF BIDS

GOODS AND SERVICES

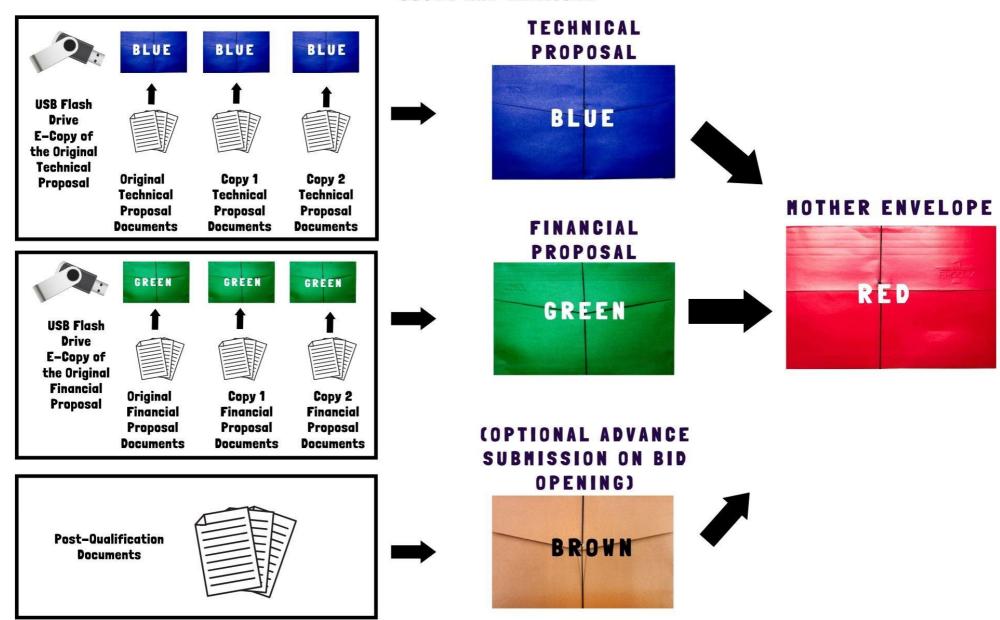


Illustration 1

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]

