

**PHILIPPINE BIDDING DOCUMENTS**

# Procurement of GOODS

Government of the Republic of the Philippines

**Sixth Edition  
July 2020**

# Preface

These Philippine Bidding Documents (PBDs) for the procurement of Goods through Competitive Bidding have been prepared by the Government of the Philippines for use by any branch, constitutional commission or office, agency, department, bureau, office, or instrumentality of the Government of the Philippines, National Government Agencies, including Government-Owned and/or Controlled Corporations, Government Financing Institutions, State Universities and Colleges, and Local Government Unit. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract or Framework Agreement, as the case may be; (ii) the eligibility requirements of Bidders; (iii) the expected contract or Framework Agreement duration, the estimated quantity in the case of procurement of goods, delivery schedule and/or time frame; and (iv) the obligations, duties, and/or functions of the winning bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Goods to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Goods. However, they should be adapted as necessary to the circumstances of the particular Procurement Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, Bid Data Sheet, General Conditions of Contract, Special Conditions of Contract, Schedule of Requirements, and Specifications are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

- d. The cover should be modified as required to identify the Bidding Documents as to the Procurement Project, Project Identification Number, and Procuring Entity, in addition to the date of issue.
- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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# *Glossary of Acronyms, Terms, and Abbreviations*

**ABC** – Approved Budget for the Contract.

**BAC** – Bids and Awards Committee.

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

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

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

**BIR** – Bureau of Internal Revenue.

**BSP** – Bangko Sentral ng Pilipinas.

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

**CDA** - Cooperative Development Authority.

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

**CIF** – Cost Insurance and Freight.

**CIP** – Carriage and Insurance Paid.

**CPI** – Consumer Price Index.

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

**DTI** – Department of Trade and Industry.

**EXW** – Ex works.

**FCA** – “Free Carrier” shipping point.

**FOB** – “Free on Board” shipping point.

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

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

**GFI** – Government Financial Institution.

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

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

**GOP** – Government of the Philippines.

**GPPB** – Government Procurement Policy Board.

**INCOTERMS** – International Commercial Terms.

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

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

**LGUs** – Local Government Units.

**NFCC** – Net Financial Contracting Capacity.

**NGA** – National Government Agency.

**PhilGEPS** - Philippine Government Electronic Procurement System.

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

**PSA** – Philippine Statistics Authority.

**SEC** – Securities and Exchange Commission.

**SLCC** – Single Largest Completed Contract.

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

**UN** – United Nations.

## ***Section I. Invitation to Bid***

### **Notes on the Invitation to Bid**

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria (*e.g.*, the application of a margin of preference in bid evaluation).

The IB should be incorporated in the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.





Republic of the Philippines  
**Department of Education**  
REGION VII – CENTRAL VISAYAS  
Schools Division of Cebu City

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**INVITATION TO BID FOR**  
***(Re-Bidding) Supply and Delivery of Learning Tools and***  
***Equipment (LTE) for Science, Mathematics and Technical***  
***Vocational Livelihood under SUB-ARO No. OSEC-7-22-0445***  
*Project no.: DepEdCCD – 2023 -02*

1. The *DepEd Cebu City Division*, through the *FY 2022 General Appropriation Act (GAA)* intends to apply the sum of One Million One Hundred Ninety-One Thousand Nine Hundred Fifty-Eight Pesos and Forty-Five Centavos (*Php 1,191,958.45*) being the ABC to payments under the contract for ***(Re-Bidding) Supply and Delivery of Learning Tools and Equipment (LTE) for Science, Mathematics and Technical Vocational Livelihood under SUB-ARO No. OSEC-7-22-0445***. Bids received in excess of the ABC shall be automatically rejected at bid opening.

Lot	Project Description	ABC (PhP)
01	<b>(Re-Bidding) Supply and Delivery of Science Learning Tools and Equipment</b>	Php 397,910.29
02	<b>(Re-Bidding) Supply and Delivery of Mathematics Learning Tools and Equipment</b>	Php 396,853.50
03	<b>(Re-Bidding) Supply and Delivery of TVL Learning Tools and Equipment</b>	Php 397,194.66

2. The *DepEd Cebu City Division* now invites bids for the above Procurement Project. Delivery of the Goods required is Thirty (30) calendar days from receipt of Notice to Proceed and Purchase Order. Bidders should have completed, within *five (5) years* from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
  - a. 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 Cebu City Division* and inspect the Bidding Documents at the address given below during *Mondays to Fridays from 8:00 am – 5:00 pm from January 27, 2023 to February 20, 2023*.
5. A complete set of Bidding Documents may be acquired by interested Bidders on *January 27, 2023 to February 20, 2023 from Mondays to Fridays* from the given address and website(s) below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five Hundred Pesos (Php 500.00) per lot***. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *presented in person*.
6. The *DepEd Cebu City Division* will hold a Pre-Bid Conference<sup>1</sup> on *February 6, 2023 at 10:00 am PhST* at *Zapatera Library, Gabaldon Building, Zapatera Elementary School, Sikatuna St. Cebu City*, which shall be open to prospective bidders. For those who opt to join virtually, a link shall be provided.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below, on or before *February 20, 2023 at 10:00 am PhST*. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on *February 20, 2023 at 10:00 am PhST* at *Zapatera Library, Gabaldon Building, Zapatera Elementary School, Sikatuna St. Cebu City*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *Prospective Bidders are strongly encouraged to order or download the electronic copy of the Bidding Documents from the PhilGeps website: [www.philgeps.gov.ph](http://www.philgeps.gov.ph), for them to be included in the Document Request List of the project. The Bidding Documents may be viewed also at the DepEd Cebu City Official Website, [www.depedcebucity.com](http://www.depedcebucity.com).*
11. The *DepEd Cebu City Division* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:  
*MRS. MARILYN OPEÑA/MRS. DARYLL T. YBAÑEZ*  
*DepEd Cebu City Division Imus Ave., Day-as, Cebu City*  
*daryll.triumfo@deped.gov.ph*  
*Telephone no. 0995-3693124*  
*Agency website: [www.depedcebucity.com](http://www.depedcebucity.com)*
13. You may visit the following websites:  
For downloading of Bidding Documents: [www.depedcebucity.com](http://www.depedcebucity.com) / [philgeps.gov.ph](http://philgeps.gov.ph)

*January 26, 2023*

*(Sgd.) LYRA L. ILLAGA, DevEdD*  
*BAC Chairman*

## ***Section II. Instructions to Bidders***

### **Notes on the Instructions to Bidders**

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

## 1. Scope of Bid

The Procuring Entity, *DepEd Cebu City Division* wishes to receive Bids for the ***(Re-Bidding) Supply and Delivery of Learning Tools and Equipment (LTE) for Science, Mathematics and Technical Vocational Livelihood under SUB-ARO No. OSEC-7-22-0445***, with identification number *DepEdCCD – 2023-02*.

*[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]*

The Procurement Project (referred to herein as “Project”) is composed of *only 3* lots, the details of which are described in Section VII (Technical Specifications).

## 2. Funding Information

2.1. The GOP through the source of funding as indicated below for *FY 2022 General Appropriation Act (GAA)* in the amount of One Million One Hundred Ninety-One Thousand Nine Hundred Fifty-Eight Pesos and Forty-Five Centavos (*Php 1,191,958.45*).

2.2. The source of funding is:

- a. NGA, the General Appropriations Act or Special Appropriations.

## 3. Bidding Requirements

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

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

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

## 4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and

obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

## 5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. *[Select one, delete other/s]*
  - a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
    - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
    - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
    - iii. When the Goods sought to be procured are not available from local suppliers; or
    - iv. When there is a need to prevent situations that defeat competition or restrain trade.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA’s CPI, must be at least equivalent to:
  - b. For the procurement of Non- Expendable Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
  - c. For procurement where the Procuring Entity has determined, after the conduct of market research, that imposition of either (a) or (b) will likely result to failure of bidding or monopoly that will defeat the purpose of public bidding: the Bidder should comply with the following requirements: *[Select either failure or monopoly of bidding based on market research conducted]*
    - i. Completed at most two (2) similar contracts, the aggregate amount of which should be equivalent to at least (50%) of the ABC for this Project; and
    - ii. The largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.

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

## **6. Origin of Goods**

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

## **7. Subcontracts**

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

The Procuring Entity has prescribed that:

- b. 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 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 *five (5) 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, listed in e.
  - b. For Goods offered from abroad:
    - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.



- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

### **13. Bid and Payment Currencies**

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in:
  - a. Philippine Pesos.

### **14. Bid Security**

- 14.1. The Bidder shall submit a Bid Securing Declaration<sup>2</sup> or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid until *One Hundred Twenty (120) Calendar Days from the date of submission 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 original and one additional copy of the first and second components of its Bid, without prejudice to the original provision therein.

### **16. Deadline for Submission of Bids**

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

### **17. Opening and Preliminary Examination of Bids**

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

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<sup>2</sup> In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

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

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

## **18. Domestic Preference**

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

## **19. Detailed Evaluation and Comparison of Bids**

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case maybe. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:

One Project having several items grouped into several lots, which shall be awarded as separate contracts per lot.

- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

## **20. Post-Qualification**

- 20.2. 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***

### **Notes on the Bid Data Sheet**

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

# Bid Data Sheet

ITB Clause	
5.3	<p>For this purpose, contracts similar to the Project shall be:</p> <ol style="list-style-type: none"> <li>a. Contract/supply and delivery/purchase/of School Learning/Educational Tools/Equipment/Supplies <i>and other related activity generic to the purpose.</i></li> <li>b. Completed within five (5) years prior to the deadline for the submission and receipt of bids.</li> </ol>
12	The price of the Goods shall be quoted DDP <i>in the Philippines.</i>
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> <li>a. The amount of not less than <u>2% per lot</u> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. <u>The amount of not less than 5% per lot</u> if bid security is in Surety Bond.</li> </ol> <p>Lot 1</p> <ol style="list-style-type: none"> <li>a. The amount of not less than <u>Php 7,958.20</u> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <u>Php 19,895.51</u> if bid security is in Surety Bond.</li> </ol> <p>Lot 2</p> <ol style="list-style-type: none"> <li>a. The amount of not less than <u>Php 7,937.07</u> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <u>Php 19,842.67</u> if bid security is in Surety Bond.</li> </ol> <p>Lot 3</p> <ol style="list-style-type: none"> <li>a. The amount of not less than <u>Php 7,943.89</u> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or</li> <li>b. The amount of not less than <u>Php 19,859.73</u> if bid security is in Surety Bond.</li> </ol>

19.3	<p><i>Project will be awarded by lot</i></p> <p><b><i>(Re-Bidding) Supply and Delivery of Learning Tools and Equipment (LTE) for Science, Mathematics and Technical Vocational Livelihood under SUB-ARO No. OSEC-7-22-0445 with an ABC for One Million One Hundred Ninety-One Thousand Nine Hundred Fifty-Eight Pesos and Forty-Five Centavos (Php 1,191,958.45).</i></b></p>
20.2	<p><i>[List here any licenses and permits relevant to the Project and the corresponding law requiring it.]</i></p>
21.2	<p><i>[List here any additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity.]</i></p>

## ***Section IV. General Conditions of Contract***

### **Notes on the General Conditions of Contract**

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Supplier, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

## 1. **Scope of Contract**

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

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

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

## 2. **Advance Payment and Terms of Payment**

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

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

## 3. **Performance Security**

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

## 4. **Inspection and Tests**

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

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



## **5. Warranty**

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

## **6. Liability of the Supplier**

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

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

## ***Section V. Special Conditions of Contract***

### **Notes on the Special Conditions of Contract**

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Goods purchased. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

## Special Conditions of Contract

GCC Clause	
1	<p><b>Delivery and Documents –</b></p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>“The delivery terms applicable to the Contract are DDP delivered [<i>indicate place of destination</i>]. In accordance with INCOTERMS.”</p> <p>“The delivery terms applicable to this Contract are delivered <i>DepEd Cebu City</i>. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination.”</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is <i>DepEd Cebu City Division</i>.</p> <p><b>Incidental Services –</b></p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements: <i>Select appropriate requirements and delete the rest.</i></p> <ol style="list-style-type: none"> <li>a. performance or supervision of on-site assembly and/or start-up of the supplied Goods;</li> <li>b. furnishing of tools required for assembly and/or maintenance of the supplied Goods;</li> <li>c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;</li> <li>d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and</li> </ol>
	<ol style="list-style-type: none"> <li>e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.</li> </ol>

f. *[Specify additional incidental service requirements, as needed.]*

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

**Packaging –**

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

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

The outer packaging must be clearly marked on at least four (4) sides as follows:

- Name of the Procuring Entity
- Name of the Supplier
- Contract Description
- Final Destination

	<p>Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p><b>Transportation –</b></p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p><b>Intellectual Property Rights –</b></p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	<i>Partial Payment is not allowed</i>

## **Section VI. Schedule of Requirements**

### **(Re-Bidding) Supply and Delivery of Science Learning Tools and Equipment**

#### **Lot 1**

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

#### **A. Junior High School**

Item No.	Description	Quantity	Total	Delivered, Weeks/Months	Place of Delivery
1	<p>Flask, Volumetric, borosilicate 250 ml</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Functional Specifications:</b> Used to measure/prepare/contain a precise volume of standard solutions at a certain temperature and precise dilution of solutions up to 250 mL.</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape : A round or pear-shaped bulb, a long thin neck topped by a snap cap and with flat bottom</li> <li>3. Material of body: Borosilicate , clear, transparent and bubble-free, glass with the following dimensions:               <ol style="list-style-type: none"> <li>a) Height: 225 mm</li> <li>b) Outside diameter : 78 mm (approx.)</li> <li>c) Size: 250 mL</li> <li>d) Tolerance: <math>\pm 0.12</math> mL</li> </ol> </li> <li>4. With heavy duty rim</li> <li>5. Comes with snap cap               <ol style="list-style-type: none"> <li>a) Material of snap cap :High density plastic (polyethylene)</li> <li>b) With octagonal grip</li> <li>c) Snap-cap : No. 250</li> <li>d) Color of snap cap: Blue</li> </ol> </li> <li>6. Must meet ASTM E- 694 for volumetric ware, ASTM E-542 for calibration of volumetric ware and ASTM E-288 for volumetric flasks.</li> <li>7. Calibrated "to contain" (marked "TC" or "IN")</li> <li>8. Manufacturer should be accredited by NIST standards or its equivalent to the country of origin to certify that their items are calibrated.</li> <li>9. Must be free from breakage, cracks, sharp rims and other defects</li> <li>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</li> <li>11. Comes with a brand, with five (5) years existence in the glasswares industry</li> </ol> </div>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
2	Graduated Cylinder, borosilicate, 10 ml	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	<p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b> Must be able to measure and to deliver the volume of liquids up to 10 mL capacity</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape: Narrow cylindrical container with a small turned-out lip</li> <li>3. Material: Borosilicate, clear and transparent bubble-free, glass with the following dimensions : <ol style="list-style-type: none"> <li>a) Outside Diameter: 13-14 mm</li> <li>b) Height: 177-178 mm</li> <li>c) Thickness range : 1.3-1.4 mm</li> <li>d) Tolerance: ± 0.20</li> </ol> </li> <li>4. Capacity: 10 mL</li> <li>5. Graduation Range : 1 to 10 mL</li> <li>6. Graduation interval : 0.1 mL</li> <li>7. Calibrated to deliver (TD)</li> <li>8. All markings are in permanent white enamel</li> <li>9. With pouring spout</li> <li>10. Single metric scale, with plastic bumper guard</li> <li>11. Glass hexagonal base (non-detachable)</li> <li>12. Manufacturer of the country of origin should issue certificate of calibration for every item.</li> <li>13. Placed in bubble wrap, and packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks and sharp rim</li> <li>15. Comes with a brand, with five (5) years existence in the glasswares industry</li> </ol>				
3	<p><b>Graduated Cylinder, borosilicate, 100 ml</b></p> <p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b></p> <ol style="list-style-type: none"> <li>a) Must be able to measure and to deliver the volume of liquids up to 100 mL capacity</li> <li>b) Used as a container to determine the volume of irregularly shaped solids by water displacement</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape: Narrow cylindrical container with a small turned-out lip</li> <li>3. Material : Bubble-free, borosilicate, clear and transparent glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter: 29-31 mm</li> <li>b) Height: 254-256 mm</li> <li>c) Thickness range : 1.3-1.4 mm</li> <li>d) Tolerance: ± 0.60 mL</li> </ol> </li> <li>4. Capacity: 100 mL</li> <li>5. Graduation range: 5 to 100 mL</li> <li>6. Graduation Interval : 1 mL</li> <li>7. Calibrated to deliver (TD)</li> <li>8. All markings are in permanent white enamel</li> <li>9. With pouring spout</li> <li>10. With single graduated metric scale with plastic bumper guard</li> <li>11. With glass hexagonal base (non-detachable)</li> <li>12. Manufacturer of the country of origin should issue certificate of calibration for every item.</li> <li>13. Placed in bubble wrap, and packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks and sharp rim</li> <li>15. Comes with a brand, with five (5) years existence in the glass industry</li> </ol>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
4	<p><b>pH Meter, hand-held</b></p> <p>i) Paper Size: A4 size , 80 gsm</p> <p>ii) Font: Times New Roman</p> <p>iii) Font size: 12</p> <p>iv) Orientation: Portrait</p> <p>v) Margins on all sides with 2 point width border line</p> <p>vi) Line with arrow head of 1.25 point with width shall point to the specific part being labeled</p> <p>16. Must be free from sharp edges</p> <p>17. Must have a brand</p>	20pcs	20pcs	60 calendar days from receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
5	<p><b>Thermometer, Laboratory</b></p>	21pcs	21pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	<p><b>Functional Specifications:</b> Used to measure the temperature</p> <p><b>Performance Specifications:</b> Must measure the temperature , -20° to 110°C</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Alcohol filled, partial immersion thermometer</li> <li>2. Shape : A small sealed tube made of glass that has a small hollow bulb filled partly with ethanol and partly with nitrogen and ethanol vapors.on one end and a thin capillary opening running through the length of its center</li> <li>3. Material : Glass</li> <li>4. Color: White</li> <li>5. Non-toxic red-filled thermometer</li> <li>6. Partial immersion type with immersion line indicator and ring top</li> <li>7. With precision red alcohol-filled, reinforced bulbs, and with expansion chamber</li> <li>8. With white back with non-roll sleeve</li> <li>9. With clear and permanent markings; scale never washes out</li> <li>10. Provided with non-roll plastic case</li> <li>11. With continuous alcohol column</li> <li>12. Dimensions:</li> <li>13. Range: -20°C to 110°C</li> <li>14. Division: 1°C</li> <li>15. Length: 300 mm (minimum)</li> <li>16. Accuracy: ± 1° C</li> <li>17. Diameter: 5.8 to 6.2 mm</li> <li>18. Immersion line : 76 mm</li> <li>19. Manufacturer of the country of origin should issue certificate of calibration for every item.</li> <li>20. Must be free from breakage , cracks, chipped and sharp edges nd other defects</li> <li>21. Comes with a brand</li> </ol>				
6	<p><b>Universal pH Paper, H 0-14, 100 strips/pack</b></p> <p><b>Functional Specifications:</b> Used as an indicator to determine/measure the pH of substances, whether it is an acid, neutral or a base</p> <p><b>Performance Specifications:</b> 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:</p> <ol style="list-style-type: none"> <li>a) For an acid : pH 0-pH 6;</li> <li>b) For a base : pH 8-pH 14;</li> <li>c) For distilled water : pH 7</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Test strips</li> <li>2. Shape: Rectangle</li> <li>3. Material: Cellulose/Paper based</li> <li>4. Dimension of pH strip :       <ol style="list-style-type: none"> <li>a) Length : 69 mm x 6 mm</li> </ol> </li> <li>5. Number of colors in indicator test strip: In four colors to test pH values</li> <li>6. Number of test strips : 100 pc strips</li> <li>7. Packaging: Clear, transparent box</li> <li>8. Shape of box: Square</li> <li>9. With complete color chart for comparison with the color change to get the pH reading of the sample being tested</li> <li>10. No sharp edges on box</li> <li>11. Measures pH 0-pH 14</li> <li>12. Comes with a brand</li> </ol>	10packs	10packs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
7	<p><b>Beaker, borosilicate, 1000 ml</b></p> <p><b>Functional Specifications:</b> Used to serve as container for mixing and for heating liquids.</p> <p><b>Performance Specifications:</b> Must be able to serve as container for mixing and for heating liquids.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Griffin type, borosilicate, transparent, bubble-free glass</li> <li>2. Shape: a cylindrical container with flat bottom</li> <li>3. Thickness range: 1.5 mm to 2.0 mm</li> <li>4. Permanent white graduations, with white enamel making spot</li> <li>5. Features an easy-pour spout</li> <li>6. Capacity: 1000 mL; ± 10% enameled onto the glass</li> <li>7. Single graduated metric scale</li> <li>8. Graduation starts at 200 mL in 100 mL increments</li> <li>9. Height range: 140 mm to 160 mm</li> <li>10. Outside diameter: 100 mm to 110 mm</li> <li>11. There must be no cracks and sharp parts</li> <li>12. Safely packed in a compartmentalized box</li> </ol>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City



8	<p><b>Dish, Petri (Pyrex)</b></p> <p><b>Functional Specifications:</b> Used to secure the specimen under study.</p> <p><b>Performance Specifications:</b> Must be able to secure the specimen under study.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Reusable, borosilicate, circular glass with beaded edge;</li> <li>2. Bubble-free, plain surface</li> <li>3. Outside Diameter of Cover: 100 mm±2 mm;</li> <li>4. Outside Diameter of Dish: 92 mm ± 2 mm;</li> <li>5. Overall height with cover (as assembled): 20 mm ± 2 mm</li> <li>6. Glass thickness range: 2 mm to 2.2 mm</li> <li>7. There must be no cracks and sharp edges</li> <li>8. Safely packed in a compartmentalized box</li> </ol>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
9	<p><b>Beaker, borosilicate, 250 ml</b></p> <p><b>Functional Specifications:</b> Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 150°C for normal, standard use service.</p> <p><b>Performance Specifications:</b> 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 150°C for normal, standard use service.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type : Griffin,low form</li> <li>2. Shape: Cylindrical container with straight sides, a flat bottom, and with a small spout (or "beak") to aid pouring</li> <li>3. Material: Borosilicate, clear and transparent bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter: 68 mm to 70mm</li> <li>b) Height: 90 mm to 92 mm</li> <li>c) Thickness: 1.5 mm to 2.0 mm</li> </ol> </li> <li>4. With permanent white enamel graduations of approximate volumes, inscriptions and markings enameled onto the glass</li> <li>5. With large white marking spot</li> <li>6. Features an easy-pour spout</li> <li>7. "With double graduated metric scale "</li> <li>8. Capacity: 250 mL ±5% etched onto the glass."</li> <li>9. With marking graduation to fill: starts at 25 mL in 25mL increments</li> <li>10. With marking graduation to empty: starts at 0 mL in 25 mL increments</li> <li>11 Graduation interval: 25 mL</li> <li>12. Graduation range: 25 mL to 200 mL</li> <li>13. Wrapped in paper, enclosed in bubble wrap and packed individually in compartmentalized box</li> <li>14. Can withstand heating up to 200-230°C for normal, standard use service</li> <li>15. Must be free from breakage, cracks, chipped rims and other defects</li> <li>16. Comes with a brand of five (5) years existence in the glasswares industry.</li> </ol>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
10	<p><b>Beaker, borosilicate, 500 ml</b></p> <p><b>Functional Specifications:</b></p> <ol style="list-style-type: none"> <li>a)Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to 150°C for normal, standard use service and</li> <li>b)to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</li> </ol> <p><b>Performance Specifications:</b></p> <ol style="list-style-type: none"> <li>a) Must be able to contain/hold /prepare solids and liquids during chemical reaction and heats them over a Bunsen burner's flame up to 150°C for normal, standard use service and to serve as a water bath</li> <li>b) to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Berzellius, tall form</li> <li>2. Shape: Cylindrical container with straight sides, a flat bottom, with a small spout (or "beak") to aid pouring</li> <li>3. Material : Borosilicate, clear, bubble free glass , Berzellius, tall form with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter Range :75 mm- 80 mm</li> <li>b) Height range: 136 mm -140 mm</li> <li>c) Thickness : 1.5 mm to 2.0 mm</li> </ol> </li> <li>4. Capacity :500 mL ; ± 5% etched/embossed onto the glass</li> <li>5. With permanent white enamel graduations of approximate volumes, inscriptions and</li> <li>6. With large white marking spot</li> <li>7. With easy pour spout</li> <li>8. Double graduated metric scale</li> <li>9. Marked to fill: Graduation starts at 50 mL in 50 mL increments</li> <li>10. Marked to empty: Graduation starts at 0 mL in 50 mL increments</li> <li>11. Can withstand heating up to 200-230°C for normal, standard use service</li> <li>12. Wrapped in paper, enclosed in bubble wrap and packed individually in a compartmentalized box</li> <li>13. Must be free from breakage, cracks , chipped rims and other defects</li> <li>14. Comes with a brand, with five (5) years existence in the glass wares industry.</li> </ol>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
11	<p><b>Burner, Alcohol, glass, 150 ml Capacity</b></p>	19pcs	19pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City

	<p><b>Functional Specifications:</b> Used to produce hot, consistent open flame for slow/gentle heating of glasswares and substances</p> <p><b>Performance Specifications:</b> Must be able to produce hot, consistent open flame a) for slow/gentle heating of glasswares and substances b) can withstand prolonged heating without breaking c) visually determine the identity of an unknown metal or metalloid ion based on the characteristic color the chemical/salt emits on the Bunsen flame to investigate reactions of ions and apply these in qualitative analysis through an activity, on Flame Test d) bend a glass tubing e) heat, to sterilize, to accelerate, and to trigger chemical reactions. f) for combustion purposes and techniques</p> <p><b>Design Specifications:</b> 1. Shape : A globe-shaped body and flat base (bottom) with threaded mouth 2. Material: Sturdy, heavy walled, clear, transparent, bubble-free glass with the following dimensions a) Outside Diameter : 80 mm to 85 mm b) Total height: 100 mm to 105 mm 3. Capacity : 150 ml 4. With 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: Braided c) Length: 7 inches (178 mm) min d) Diameter: 3/16 inches (5-6 mm) 6. With snuff/snap-on cover/cap 7. With ten (10) pc replacement braided cotton fiber/strand wicks 8. Wrapped in paper, enclosed in bubble wrap and packed in compartmentalized box 9. Must be free from breakage, cracks, chipped rims and other defects 10. Comes with a brand</p>				
12	<p>Mortar and Pestle, porcelain, 150 ml</p> <p><b>Functional Specifications:</b> Used to pulverize/mash/grind and to mix materials in a mortar using a pestle</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b> A. Mortar 1. Shape of mortar : 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 mm ± 1 mm b) Depth : 65 mm c) Flat bottom : 87 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: 133-135 mm and b) Diameter range : 28 - 30 mm dia 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 parts and other defects 11. Comes with a brand</p>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
13	<p>Rubber Stopper # 6 for Erlenmeyer Flask narrow-mouth 250 ml, 1 hole</p>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	<p><b>Functional Specifications:</b> Used to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction to prevent leaks, hazards and contamination.</p> <p><b>Performance Specifications:</b> Must be able to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction to prevent leaks, hazards and contamination.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Cylindrical with a tapered bottom end</li> <li>2. Material : Premium grade SBR black rubber compound with the following dimensions: <ol style="list-style-type: none"> <li>a) Height: 25 mm</li> <li>b) Top <math>\varnothing</math>: 32 mm</li> <li>c) Bottom <math>\varnothing</math> : 26 mm</li> <li>d) Hole <math>\varnothing</math>: 5 mm</li> </ol> </li> <li>3. Number of holes :With one (1) hole</li> <li>4. Dimension tolerance on height, top and bottom diameter : <math>\pm 0.5</math> mm</li> <li>5. Hardness : <math>40 \pm 5</math> Duro</li> <li>6. Packed in resealable plastic bag</li> <li>7. Comes with a brand</li> </ol>				
14	<p><b>Test tube brush</b></p> <p><b>Functional Specifications:</b> Used to clean test tubes and other small sized glasswares</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape of bristles: Radial tufted tip bristles and brush head to make complete contact with walls, corners and bottom.</li> <li>2. Material of bristles: Medium stiff nylon with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 17-19 mm</li> <li>b) Length: 96-98 mm</li> <li>c) Over-all length: 220-229 mm</li> </ol> </li> <li>3. Material of handle: Galvanized steel wire</li> <li>4. Type of wire handle : Common loop twisted wire</li> <li>5. With circular loop,for hanging</li> <li>6. Packed in a resealable plastic bag</li> <li>7. Must be free from sharp metal parts</li> <li>8. Comes with a brand</li> </ol>	14pcs	14pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
15	Test Tube, borosilicate, 16 mm x 150 mm Ion	50pcs	50pcs	30 calendar days from the date of receipt of Notice to Proceed	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	<p><b>Functional Specifications:</b> Used to contain/hold a small chemical reaction , to mix small quantities of solids and liquids, and to heat small quantities of substances</p> <p><b>Performance Specifications:</b> Must be able to contain/hold a small chemical reaction and , mixes solids and liquids, heats small quantity of substances up to more than 100°C over a Bunsen burner's flame</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape : Fingerlike length of glass tubing, open at the top, usually with a rounded lip at the top, and a rounded 'U' shaped bottom</li> <li>2. Material of test tube: Borosilicate , clear, transparent and bubble-free, glass, with rim with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 16 mm diameter</li> <li>b) Thickness :1.3 -1.4 mm</li> <li>c) Length: 150 mm long</li> </ol> </li> <li>3. Capacity : 20 mL</li> <li>4. With heavy uniform wall thickness, excellent heat resistance</li> <li>5. Test tubes must be reusable (not disposable)</li> <li>6. With large, white enamel marking spot</li> <li>7. With permanent graduation of approx. volume and inscriptions in high contrast white enamel.</li> <li>8. Can withstand heating up to 150°C for normal, standard use service</li> <li>9. Comes with a certification from the manufacturer that the test tube is reusable not disposable</li> <li>10. Wrapped individually in tissue paper, enclosed in bubble wrap and packed in compartmentalized box</li> <li>11. Must be free from breakage, cracks, chipped rims and other defects</li> <li>12. Comes with a brand with five (5) years of existence in the glass wares industry</li> </ol>				
16	<p><b>Vial, screw-neck, 50 ml with screw-t</b></p> <p><b>Functional Specifications:</b> Used to hold/contain/store/mix small quantities of samples/ solutions/ substances up to 50 mL</p> <p><b>Performance Specifications:</b> Must be able to hold/contain/store/mix samples/solutions/substances up to 50 mL</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Wide mouth</li> <li>2. Shape : Bottle-like shape with a threaded neck, screw cap polypropylene closure and with a flat bottom</li> <li>3. Material : Borosilicate,clear, transparent, and bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter : 25 mm to 30 mm</li> <li>b) Length: 100 mm to 108 mm</li> </ol> </li> <li>4. Capacity: 50 mL.With screw- type plastic cap</li> <li>5. Shape of neck : Cylindrical, round</li> <li>6. Neck finish: Continuous thread</li> <li>7. Cap Color: Black/White</li> <li>8. Cap Attached: No</li> <li>9. Cap Material : Polypropylene (plastic)</li> <li>10. Closure style : Solid top, screw thread cap</li> <li>11. Neck size: 24-400</li> <li>12. Cap liner: Foam lined</li> <li>13. Packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks , chipped rims and other defects</li> <li>15. Comes with a brand</li> </ol>	25pcs	25pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
17	<p><b>Watch Glass, Ø 90 mm</b></p> <p><b>Functional Specifications:</b> Used to:</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporates solvents in a sample and</li> <li>c) holds/contains liquids and solids prior to heating.</li> </ol> <p><b>Performance Specifications:</b> Must be able to</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporate solvents in a sample and</li> <li>c) hold/contain liquids and solids prior to heating.</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Circular concave</li> <li>2. Material : Borosilicate, clear and bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 90 mm ± 1 mm</li> <li>b) Thickness range : 1.5 mm to 2 mm</li> </ol> </li> <li>3. Fire-polished rims/edge.</li> <li>4. Individually wrapped in used newspaper, enclosed in a bubble wrap, and packed in a sturdy box</li> <li>5. Must be free from breakage, cracks, chipped edges and other defects</li> <li>6. Comes with a brand</li> </ol>	21pcs	21pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
18	<b>Lens Paper, 50's/pack</b>	21pack	21pac	60 calendar	DepEd Cebu City

		s	ks	days from the date of receipt of Notice to Proceed/Purchase Order	Division, New Imus, Brgy. Dayas, Cebu City
19	<p><b>Filter Paper, crepe, 580mm x 580 mm sheet, Grade 0905</b></p> <p><b>Functional Specifications:</b> Used to filter/separate mixtures solids from liquids</p> <p><b>Performance Specifications:</b> Must be able to filter solids from liquids to demonstrate filtration, as one of the techniques in separating mixtures (solids from liquids)</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Technical use</li> <li>2. Shape of filter paper : Square</li> <li>3. Material: Cellulose with the following dimensions: <ol style="list-style-type: none"> <li>a) Length: 580 mm</li> <li>b) Width : 580 mm</li> </ol> </li> <li>4. Color: White to cream</li> <li>5. Grade: 0905</li> <li>6. Surface: Creped</li> <li>7 Initial Filtration Speed: 20 sec (± 1 sec)/10 mL; Flow rate: High</li> <li>8. Wet strengthened</li> <li>9. Packed in brown filter paper tube</li> <li>10. Comes with a brand</li> </ol>	16sheets	16sheets	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
20	<p><b>Nichrome wire. 0.4, 100 ft (1 spool per package = 1.1 oz minimum with spool)</b></p> <p><b>Functional Specifications:</b> Used as a wire loop and heating element on which a metal salt or solid ionic compound is made to adhere into it and is heated to emit a characteristic color on the Bunsen flame to identify the particular metal present in the compound</p> <p><b>Performance Specifications:</b> Must be used as a wire loop on which a metal salt or solid ionic compound is made to adhere to, and is heated to emit a characteristic color on the Bunsen flame to identify the particular metal present in the compound in a laboratory activity, the Flame test</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Round wire</li> <li>2. Material of wire: Nichrome-Alloy of nickel and chromium, Ni80 Cr20 with the following dimensions: <ol style="list-style-type: none"> <li>a) AWG size: 26</li> <li>b) Diameter: 0.4 mm</li> <li>c) Length : 100 ft</li> </ol> </li> <li>3. Form: Soft, rust-free wire</li> <li>4. Color: Silvery grey</li> <li>5. Resistance : 2.57 ohms/foot</li> <li>6. Annealed soft</li> <li>7. Perfectly tensioned, Zero elongation, scratches, or other flaws.</li> <li>8. Comes in a spool</li> <li>9. Packed in a resealable plastic pouch</li> <li>10. Comes with a brand</li> </ol>	5spool	5spool	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
21	<p><b>Triangular File, fine, 6-inch Iron, with plastic handle</b></p> <p><b>Functional Specifications:</b> Used to cut the glass tubing</p> <p><b>Performance Specifications:</b> Must be able to cut the glass tubing</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type of file: Triangular</li> <li>2. Shape: Triangular</li> <li>3. Material: High carbon steel</li> <li>4. Kind of file: Fine, smooth</li> <li>5. Length of file: 6" (150-152.4 mm) long</li> <li>6. Material of handle: Plastic</li> <li>7. Packed in a resealable pouch</li> <li>8. Comes with a brand</li> </ol>	21pcs	21pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
22	<b>Globe, Terrestrial</b>	10unit	10unit	60 calendar days from the	DepEd Cebu City Division, New

	<p><b>Functional Specifications:</b> Used to represent the earth in three dimensions and the locations and sizes of land masses and water bodies in scale accuracy</p> <p><b>Performance Specifications:</b> Should be able to represent the earth in three dimensions and the locations and sizes of land masses and water bodies in scale accuracy</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>Primarily used as a reference to geographical &amp; political information Globe diameter; minimum of 12 inches.</li> <li>Shows the following: <ol style="list-style-type: none"> <li>All continents, countries with their capitals, and important cities and places</li> <li>Updated with newly established countries, or re-named countries and cities.</li> <li>Illustrates the flow and directions of ocean currents</li> <li>Lines of Latitudes (0° to 90°), graduated both in Northern and Southern Latitudes and Longitudes (0° to 180°), graduated both in Eastern and Western Longitudes</li> <li>International Date Line, Arctic Circle, Tropic of Cancer, Tropic of Capricorn and Antarctic Circle</li> <li>Lines of Equator and Prime Meridian</li> <li>Names of mountain, mountain ranges, volcano, ocean floors, gulfs, seas and lakes</li> <li>Names of continents, seas and country boundaries should be according to international standard.</li> <li>Philippine territory emphasizing the "West Philippine Sea" as one of the Philippine territorial sea boundaries.</li> <li>The Nine Dashed Line should not appear.</li> </ol> </li> <li>The globe which is made of plastic is mounted on a plastic meridian ring (C-shape) with movable magnifier.</li> <li>The base stand is made of hard/tough plastic.</li> <li>Must be branded</li> </ol>			date of receipt of Notice to Proceed/Purchase Order	Imus, Brgy. Day-as, Cebu City
23	<p><b>Musical Instrument (Miniature Guitar)</b></p> <p><b>Functional Specifications:</b> Used to demonstrate musical application of standing waves</p> <p><b>Performance Specifications:</b> Should be able to demonstrate musical application of standing waves</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>Mini acoustic type, half-size guitar, any color, surface finish: varnish</li> <li>Made of good quality wood without sign of warp</li> <li>Minimum dimensions: Overall length: 33 inches, Width: 12 inches, Depth: 3 1/2 inches</li> <li>Standard guitar steel strings (Nos. 1-6), 18 fret minimum</li> </ol>	10 pcs	10 pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
24	<p>Set of Tools: Ball Peen Hammer, handle length is 11-inch, 350g approx. weight, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to peen dent surfaces in metals</p> <p><b>Performance Specifications:</b> Should be able to to peen dent surfaces in metals</p> <p><b>Design Specifications:</b> Ball Peen Hammer, handle length 11 inches, 350 grams gross weight approx., 1 pc. /set</p> <p>Set of Tools: Long Nose Pliers, 6-inch, 1 pair/set</p> <p><b>Functional Specifications:</b> Used to bend tiny solid wire connectors</p> <p><b>Performance Specifications:</b> Should be able to bend tiny solid wire connectors</p> <p><b>Design Specifications:</b> Long Nose Pliers with side cutter, 6 inches long, chrome vanadium material, 1 pair/set</p> <p>Set of Tools: Mechanical Wire Cutter and Pliers, 6.5-inch, 1 pair/set</p>	13sets each	13sets each	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City



<p><b>Functional Specifications:</b> Used to bend large wires</p> <p><b>Performance Specifications:</b> Should be able to bend large wires</p> <p><b>Design Specifications:</b> Mechanical-Wire Cutter and Pliers, 6 1/2 inches, chrome vanadium material, 1 pair/set</p>					
<p>Set of Tools: Precision Screwdrivers Set, 6 pcs/set, with plastic casing, 1 set/set</p> <p><b>Functional Specifications:</b> Used to drive precision screws</p> <p><b>Performance Specifications:</b> Should be able to to drive precision screws</p> <p><b>Design Specifications:</b> Precision Screwdrivers Set, 6 pc. (3 phillips, 3 flats)/set, with plastic casing, 1 set</p>					
<p>Set of Tools: Screwdriver, flat, 6-inch, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to drive flat head screws</p> <p><b>Performance Specifications:</b> Should be able to drive flat head screws</p> <p><b>Design Specifications:</b> Screwdriver flat, 3/16 inches tip width x 6 inches long, chrome vanadium material, 1 pc. /set;</p>					
<p>Set of Tools: Soldering Iron, 60 watts, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to heat electrical contacts for permanent joints</p> <p><b>Performance Specifications:</b> Should be able to heat electrical contacts for permanent joints</p> <p><b>Design Specifications:</b> Soldering Iron, 60 watts, small type, wooden handle, 1 pc. /set;</p>					
<p>Set of Tools: Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool, 1 spool/set</p> <p><b>Functional Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Performance Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Design Specifications:</b> Soldering Lead, Ø 1 mm, Grade 60/40, weight: 1 lb./spool, 1 spool/set</p>					
<p>Set of Tools: Soldering Paste, 50 grams/can, 1 can/set</p> <p><b>Functional Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Performance Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Design Specifications:</b> Soldering Paste, all purpose flux, non-corrosive, 50 grams/can, 1 can/set;</p>					
<p>Set of Tools: Tweezers, stainless steel, with curved tips, 6.5-inch long, 1 pair/set</p> <p><b>Functional Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Performance Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Design Specifications:</b> Tweezers, stainless steel, with curved tips, 6 1/2 inches long, 1 pair/set;</p>					

25	<p><b>Glass Cover Slips, 100's/box</b></p> <p><b>Functional Specifications:</b> Used to secure the wet mount sample specimen.</p> <p><b>Performance Specifications:</b> Must be able to secure the wet mounted sample specimen.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Pre-cleaned cover glasses and not sticking from each other</li> <li>2. Material: Transparent glass</li> <li>3. Quantity: 100's/small plastic box</li> <li>4. Dimension: 22 mm x 22 mm square</li> <li>5. Thickness: 0.13 mm - 0.17 mm</li> <li>6. There shall be no chipped edges</li> <li>7. Safely packed in a plastic box</li> </ol>	10 boxes	10 boxes	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
26	<p><b>Glass Slides, 72's/box</b></p> <p><b>Functional Specifications:</b> Used to contain the specimen for examination under the microscope.</p> <p><b>Performance Specifications:</b> Must be able to accommodate the specimen subject for examination under the microscope.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Clear, flat glass; free from moisture, dirt, and film;</li> <li>2. No color, no frost and no chipped edges</li> <li>3. Dimension: 75 mm (±1 mm) x 25 mm (± 1 mm);</li> <li>4. Thickness: 1.1 mm (±0.1 mm)</li> <li>5. No sharp edges and pointed corners</li> <li>6. Packed in a box containing 72 slides with thin paper sheets in between them</li> </ol>	20 boxes	20 boxes	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
27	<p><b>Compass, Magnetic</b></p> <p><b>Functional Specifications:</b> Used to find direction on the earth's surface by the alignment of the compass needle with the earth's magnetic field</p> <p><b>Performance Specifications:</b> Should be able to find direction on the earth's surface by the alignment of the compass needle with the earth's magnetic field</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Outside Diameter: 48 mm to 52 mm</li> <li>2. Needle mounted in an Aluminum case with clear, scratch-free plastic or glass face</li> <li>3. Graduated dial marked in cardinal points (North, South, West, East, Northwest, Northeast, Southwest, and Southeast).</li> <li>4. Must be branded</li> </ol>	5pcs	5pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
28	<p><b>Pipette, Beral, 1 ml</b></p> <p><b>Functional Specifications:</b> Used to transfer/dispense liquid samples.</p> <p><b>Performance Specifications:</b> Must be able to transfer/dispense liquid sample up to a volume of 1 mL.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. One-piece pipette, made from flexible soft non-toxic plastic that has a protuberance on top that serves as liquid retention chamber</li> <li>2. Capacity: 1 mL in 0.25 mL grad interval</li> <li>3. No rubber head</li> <li>4. Total length range: 140 mm - 150 mm</li> <li>5. With molded graduations</li> </ol>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City
29	<p><b>Gloves, Hand, super nitrile</b></p>	20pcs	20pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Dayas, Cebu City



	<p><b>Functional Specifications:</b> Used to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Performance Specifications:</b> Must be able to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Slightly curved fingers and forward-facing thumb correspond to the natural position of the hand (hand-shaped) .</li> <li>2. Material: Super nitrile, reusable with the following dimensions: <ol style="list-style-type: none"> <li>a) Length of gloves : 13 inches [330.2 mm ] min</li> <li>b) Thickness: 0.38 -0.52 mm (min)</li> </ol> </li> <li>3. Color : Green</li> <li>4. Size: 8</li> <li>5. Interior finish : Flocklined interior(acid/solvent resistant)</li> <li>6. Exterior finish : Smooth</li> <li>7. Cuff type: Rolled beaded</li> <li>8. Latex free to suit those with latex allergies</li> <li>9. Non-slip wear resistant high elasticity , waterproof</li> <li>10. Puncture resistant</li> <li>11. With detailed imprints on each glove, on the following: <ol style="list-style-type: none"> <li>a) the glove size/s</li> <li>b) the name of manufacturer</li> <li>c) nitrile, flocklined</li> <li>d) individual manufacturing lot</li> <li>e) with pictograms for certification category requirements CE 0334 [EN 420, EN 388, EN 374] designed for protection against mechanical risks, chemical risks, and micro-organisms</li> </ol> </li> <li>12. Individually packed in resealable plastic bag</li> <li>13. Comes with a brand</li> </ol>				
30	<p><b>Flashlight with incandescent bulb</b></p> <p><b>Functional Specifications:</b> Used to provide illumination on the surface of a globe model</p> <p><b>Performance Specifications:</b> Should be able to provide illumination on the surface of a globe model</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Powered by two (2) 1.5 volts size D dry cells; Capacity: 3 volts</li> <li>2. 7" long minimum</li> <li>3. slide switch</li> <li>5. 35 feet beam distance</li> <li>6. Body: high impact resin construction</li> <li>7. Must be branded</li> </ol>	5pcs	5pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
31	<p><b>Lamp, Desk, Heavy Base</b></p> <p><b>Functional Specifications:</b> Used to provide heat and illumination on specimen under study</p> <p><b>Performance Specifications:</b> Should be able to provide heat and illumination on specimen under study</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Heavy base, able to stand by itself</li> <li>2. 35 inches length minimum</li> <li>3. Easily adjustable to direct the light wherever you need it the most</li> <li>4. With On and Off Switch</li> <li>5. Power source: AC 220 volts line; Included with 60-100 Watts Yellow Light bulb</li> <li>6. Capacity: 100 watts</li> <li>7. Preferable ungrounded plug (if the plug is grounded, an adapter should include in the item.)</li> <li>8. With English User's Manual that includes Operation Guide</li> <li>9. Should be branded</li> </ol>	5pcs	5pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

*B. Senior High School*

Item No.	Description	Quantity	Total	Delivered, Weeks/Months	Place of Delivery
1	<p>Flask, Volumetric, borosilicate 250 ml</p> <p><b>Functional Specifications:</b> Used to measure/prepare/contain precise volume of standard solutions at a certain temperature or precise dilution of solutions up to 250 mL.</p> <p><b>Performance Specifications:</b> Must be able to measure/prepare/contain a precise volume of standard solutions at certain temperature and precise dilution of solutions up to 250 mL.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>Type: Class A</li> <li>Shape : A round or pear-shaped bulb, a long thin neck topped by snap cap and with flat bottom</li> <li>Material of body: Borosilicate , clear, transparent and bubble-free glass with the following dimensions:               <ol style="list-style-type: none"> <li>Height: 225 mm</li> <li>Outside diameter : 78 mm (approx.)</li> <li>Size: 250 mL</li> <li>Tolerance: ± 0.12 mL</li> </ol> </li> <li>With heavy duty rim</li> <li>Comes with snap cap               <ol style="list-style-type: none"> <li>Material of snap cap :High density plastic (polyethylene)</li> <li>With octagonal grip</li> <li>Snap-cap : No. 250</li> <li>Color of snap cap: Blue</li> </ol> </li> <li>Must meet ASTM E- 694 for volumetric ware, ASTM E-542 for calibration of volumetric ware and ASTM E-288 for volumetric flasks.</li> <li>Calibrated "to contain" (marked "TC" or "IN")</li> <li>Manufacturer should be accredited by NIST standards or its equivalent to the country of origin to certify that their items are calibrated.</li> <li>Must be free from breakage, cracks, sharp rims and other defects</li> <li>Packaging : Roll up glassware in newspaper and secure with piece of masking tape and place in a bubble pouch and individual packed in a sturdy box</li> <li>Comes with a brand, with five (5) years existence in the glassware industry</li> </ol>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
2	<p>Graduated Cylinder, borosilicate, 10 ml</p> <p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b> Must be able to measure and to deliver the volume of liquids up to 10 mL capacity</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>Type: Class A</li> <li>Shape: Narrow cylindrical container with a small turned-out lip</li> <li>Material: Borosilicate, clear and transparent bubble-free, glass with the following dimensions :               <ol style="list-style-type: none"> <li>Outside Diameter:13-14 mm</li> <li>Height: 177-178 mm</li> <li>Thickness range :1.3-1.4 mm</li> <li>Tolerance: ± 0.20</li> </ol> </li> <li>Capacity: 10 mL</li> <li>Graduation Range : 1 to 10 mL</li> <li>Graduation interval : 0.1 mL</li> <li>Calibrated to deliver (TD)</li> <li>All markings are in permanent white enamel</li> <li>With pouring spout</li> <li>Single metric scale, with plastic bumper guard</li> <li>Glass hexagonal base (non-detachable)</li> <li>Manufacturer of the country of origin should issue certificate of calibration for every item.</li> <li>Placed in bubble wrap, and packed individually in a compartmentalized box</li> <li>Must be free from breakage, cracks and sharp rim</li> <li>Comes with a brand, with five (5) years existence in the glassware industry</li> </ol>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
3	Graduated Cylinder, borosilicate, 100 ml	10pcs	10pcs	60 calendar days from the date of	DepEd Cebu City Division,

	<p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b>  a) Must be able to measure and to deliver the volume of liquids up to 100 mL capacity  b) Used as a container to determine the volume of irregularly shaped solids by water displacement</p> <p><b>Design Specifications:</b>  1. Type: Class A  2. Shape: Narrow cylindrical container with a small turned-out lip  3. Material : Bubble-free, borosilicate, clear and transparent glass with the following dimensions:  a) Outside Diameter: 29-31 mm  b) Height: 254-256 mm  c) Thickness range :1.3-1.4 mm  d) Tolerance: ± 0.60 mL  4. Capacity: 100 mL  5. Graduation range: 5 to 100 mL  6. Graduation Interval : 1 mL  7. Calibrated to deliver (TD)  8. All markings are in permanent white enamel  9. With pouring spout  10. With single graduated metric scale with plastic bumper guard  11. With glass hexagonal base (non-detachable)  12. Manufacturer of the country of origin should issue certificate of calibration for every item.  13. Placed in bubble wrap, and packed individually in a compartmentalized box  14. Must be free from breakage, cracks and sharp rim  15. Comes with a brand, with five (5) years existence in the glass industry.</p>			receipt of Notice to Proceed/Purchase Order	New Imus, Brgy. Day-as, Cebu City
4	<p><b>Thermometer, Laboratory type, Alcohol, -20°C to 110°C</b></p> <p><b>Functional Specifications:</b> Used to measure the temperature</p> <p><b>Performance Specifications:</b> Must measure the temperature , -20° to 110°C</p> <p><b>Design Specifications:</b>  1. Type: Alcohol filled, partial immersion thermometer  2. Shape : A small sealed tube made of glass that has a small hollow bulb filled partly with ethanol and partly with nitrogen and ethanol vapors, on one end and a thin capillary opening running through the length of its center  3. Material : Glass  4. Color: White  5. Non-toxic red-filled thermometer  6. Partial immersion type with immersion line indicator and ring top  7. With precision red alcohol-filled, reinforced bulbs, and with expansion chamber  8. With white back with non-roll sleeve  9. With clear and permanent markings; scale never washes out  10. Provided with non-roll plastic case  11. With continuous alcohol column  12. Dimensions:  13. Range: -20°C to 110°C  14. Division: 1°C  15. Length: 300 mm (minimum)  16. Accuracy: ± 1° C  17. Diameter: 5.8 to 6.2 mm  18. Immersion line : 76 mm  19. Manufacturer of the country of origin should issue certificate of calibration for every item.  20. Must be free from breakage , cracks, chipped and sharp edges and other defects  21. Comes with a brand</p>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
5	<p><b>Universal H Paper, pH 0-14, 100 strips/pack</b></p> <p><b>Functional Specifications:</b> Used as an indicator to determine/measure the pH of substances, whether it is an acid, neutral or a base</p> <p><b>Performance Specifications:</b> 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</p> <p><b>Design Specifications:</b>  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</p>	10packs	10packs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
6	<p><b>Filter Paper, crepe, 580mm x 580 mm sheet, Grade 0905</b></p>	10 sheets	10 sheets	60 calendar days from the date of	DepEd Cebu City Division,

	<p><b>Functional Specifications:</b> Used to filter/separate mixtures solids from liquids</p> <p><b>Performance Specifications:</b> Must be able to filter solids from liquids to demonstrate filtration, as one of the techniques in separating mixtures (solids from liquids)</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Technical use</li> <li>2. Shape of filter paper : Square</li> <li>3. Material: Cellulose with the following dimensions: <ol style="list-style-type: none"> <li>a) Length: 580 mm</li> <li>b) Width : 580 mm</li> </ol> </li> <li>4. Color: White to cream</li> <li>5. Grade: 0905</li> <li>6. Surface: Creped</li> <li>7 Initial Filtration Speed: 20 sec (<math>\pm</math> 1 sec)/10 mL; Flow rate: High</li> <li>8. Wet strengthened</li> <li>9. Packed in brown filter paper tube</li> <li>10. Comes with a brand</li> </ol>			receipt of Notice to Proceed/Purchase Order	New Imus, Brgy. Day-as, Cebu City
7	<p>Triangular File, fine, 6-inch long, with plastic handle</p> <p><b>Functional Specifications:</b> Used to cut the glass tubing</p> <p><b>Performance Specifications:</b> Must be able to cut the glass tubing</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type of file: Triangular</li> <li>2. Shape: Triangular</li> <li>3. Material: High carbon steel</li> <li>4. Kind of file: Fine, smooth</li> <li>5. Length of file: 6" (150-152.4 mm) long</li> <li>6. Material of handle: Plastic</li> <li>7. Packed in a resealable pouch</li> <li>8. Comes with a brand</li> </ol>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
8	<p>Beaker, borosilicate, 250 ml</p> <p><b>Functional Specifications:</b> Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 150°C for normal, standard use service.</p> <p><b>Performance Specifications:</b> 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 150°C for normal, standard use service</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type : Griffin,low form</li> <li>2. Shape: Cylindrical container with straight sides, a flat bottom, and with a small spout (or "beak") to aid pouring</li> <li>3. Material: Borosilicate, clear and transparent bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter: 68 mm to 70mm</li> <li>b) Height: 90 mm to 92 mm</li> <li>c) Thickness: 1.5 mm to 2.0 mm</li> </ol> </li> <li>4. With permanent white enamel graduations of approximate volumes, inscriptions and markings enmeled onto the glass</li> <li>5. With large white marking spot</li> <li>6. Features an easy-pour spout</li> <li>7. "With double graduated metric scale "</li> <li>8. Capacity: 250 mL <math>\pm</math>5% etched onto the glass;"</li> <li>9. With marking graduation to fill: starts at 25 mL in 25mL increments</li> <li>10. With marking graduation to empty: starts at 0 mL in 25 mL increments</li> <li>11 Graduation interval: 25 mL</li> <li>12. Graduation range: 25 mL to 200 mL</li> <li>13. Wrapped in paper, enclosed in bubble wrap and packed individually in compartmentalized box</li> <li>14. Can withstand heating up to 200-230°C for normal, standard use service</li> <li>15. Must be free from breakage, cracks, chipped rims and other defects</li> <li>16. Comes with a brand of five (5) years existence in the glasswares industry</li> </ol>	10 pcs	10 pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
9	Beaker, borosilicate, 500 ml	10pcs	10pcs	60 calendar days from the date of receipt of Notice to	DepEd Cebu City Division, New Imus, Brgy. Day-as,

	<p><b>Functional Specifications:</b>  a) Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to 150°C for normal, standard use service and  b) to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</p> <p><b>Performance Specifications:</b>  a) Must be able to contain/hold /prepare solids and liquids during chemical reaction and heats them over a Bunsen burner's flame up to 150°C for normal, standard use service and to serve as a water bath  b) to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</p> <p><b>Design Specifications:</b> 1. Type: Berzilius, tall form  2. Shape: Cylindrical container with straight sides, a flat bottom, with a small spout (or "beak") for aid pouring  3. Material : Borosilicate, clear, bubble free glass , Berzilius, tall form, with the following dimensions:  a) Outside Diameter Range :75 mm- 80 mm  b) Height range: 136 mm -140 mm  c) Thickness : 1.5 mm to 2.0 mm  4. Capacity :500 ml. ; ± 5% etched/embossed onto the glass  5. With permanent white enamel graduations of approximate volumes, inscriptions and  6. With large white marking spot  7. With easy pour spout  8. Double graduated metric scale  9. Marked to fill: Graduation starts at 50 mL in 50 mL increments  10. Marked to empty: Graduation starts at 0 mL in 50 mL increments  11. Can withstand heating up to 200-230°C for normal, standard use service  12. Wrapped in paper, enclosed in bubble wrap and packed individually in a compartmentalized box  13. Must be free from breakage, cracks , chipped rims and other defects  14. Comes with a brand, with five (5) years existence in the glass wares industry.</p>			Proceed/Purchase Order	Cebu City
10	<p><b>Burner, Alcohol, lass, 150 ml Capacity</b></p> <p><b>Functional Specifications:</b> Used to produce hot, consistent open flame for slow/gentle heating of glasswares and substances</p> <p><b>Performance Specifications:</b>  a) Must be able to produce hot, consistent open flame  a) for slow/gentle heating of glasswares and substances  b) can withstand prolonged heating without breaking  c) visually determine the identity of an unknown metal or metalloid ion based on the characteristic color the chemical/salt emits on the Bunsen flame to investigate reactions of ions and apply these in qualitative analysis through an activity, on Flame Test  d) bend a glass tubing  e) heat, to sterilize, to accelerate, and to trigger chemical reactions, f) for combustion purposes and techniques</p> <p><b>Design Specifications:</b>  1. Shape : A globe-shaped body and flat base (bottom) with threaded mouth  2. Material: Study, heavy walled, clear, transparent, bubble-free glass with the following dimensions  a) Outside Diameter : 80 mm to 85 mm  b) Total height: 100 mm to 105 mm  3. Capacity : 150 ml.  4. With 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 : Braided  c) Length: 7 inches (178 mm) min  d) Diameter: 3/16 inches (5-6 mm)  6. With snuff/snap-on cover/cap  7. With ten (10) pc replacement braided cotton fiber/strand wicks  8. Wrapped in paper , enclosed in bubble wrap and packed in compartmentalized box  9. Must be free from breakage, cracks , chipped rims and other defects  10. Comes with a brand</p>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
11	<p><b>Dish, Evaporating, 75 ml</b></p>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	<p><b>Functional Specifications:</b> Used to contain/hold substances and to heat chemical solutions gradually, driving off the water to leave residual chemical solute</p> <p><b>Performance Specifications:</b> 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</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Deep form, broad, and wider at the top than bottom and with round bottom with pouring lip/spout</li> <li>2. Material : Porcelain, with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 80-82 mm</li> <li>b) Height/depth : 30-34 mm high</li> </ol> </li> <li>3.Capacity: 75 mL</li> <li>4. With pouring lip/spout</li> <li>5. Can withstand temperatures up to 1150°C</li> <li>6. Uniformly glazed inside (except for rim) and partly uniformly glazed outside except bottom surface.</li> <li>7. Must be free from breakage, cracks, chipped rims and other defects</li> <li>8. Wrapped in paper, and packed in a sturdy box</li> <li>9. Comes with a brand</li> </ol>				
12	<p>Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 ml</p> <p><b>Functional Specifications:</b> Used to :</p> <ol style="list-style-type: none"> <li>a) contain/hold a small chemical reaction,</li> <li>b) mix solids and liquids,</li> <li>c) heat substances over a Bunsen/alcohol burner's flame up to over 150 °C or</li> <li>d) collect them in a titration/distillation experiment</li> </ol> <p><b>Performance Specifications:</b> Must be able to:</p> <ol style="list-style-type: none"> <li>a) contain/hold a small chemical reaction ,</li> <li>b) mixes solids and liquids during chemical reaction,</li> <li>c) heats substances up to 150°C over a Bunsen burner's flame up to 250 mL, or</li> <li>d) serves as a reaction vessel in a titration experiment, and to collect distillate during distillation</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape : A conical body, a cylindrical short neck , narrow mouth, with sloping sides, and with a flat bottom</li> <li>2. Material : Clear, and transparent bubble-free, borosilicate, glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside diameter range :80 m -82 mm</li> <li>b) Height range: 130-132 mm</li> <li>c) Thickness range :1.5 to 2.0 mm</li> <li>d) Neck inside diameter range : 28 to 30 mm</li> <li>e) Tolerance : ±6% and other inscriptions enamelled onto the glass</li> </ol> </li> <li>3. Capacity: 250 mL capacity</li> <li>4. Graduation range: 50 mL-200 mL</li> <li>5. Graduation interval: 25 mL</li> <li>6. Graduation starts at: 50 mL in 25 mL increments</li> <li>7. With uniform wall thickness</li> <li>8. With heavy duty beaded rim</li> <li>9. With permanent durable white enamel graduations with large, white enamel marking spot</li> <li>10. Can withstand heating up to 150°C for normal, standard use service</li> <li>11. Wrapped in paper and individually packed in a compartmentalized box</li> <li>12. Must be free from breakage, cracks, chipped rims and other defects</li> <li>13. Comes with a brand with five (5) years of existence in the glass wares industry</li> </ol>	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
13	Mortar and Pestle, porcelain, 150 ml	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	<p><b>Functional Specifications:</b> Used to pulverize/mash/grind and to mix materials in a mortar using a pestle</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b></p> <p>A. Mortar</p> <ol style="list-style-type: none"> <li>1. Shape of mortar : Bowl shape, with wide mouth , and with deeply molded, smooth rounded bottom</li> <li>2. Material for mortar and pestle: Porcelain with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside diameter : 130 mm ± 1 mm</li> <li>b) Depth : 65 mm</li> <li>c) Flat bottom : 87 mm</li> </ol> </li> <li>3. Capacity: 150 mL</li> <li>4. With pouring lip</li> <li>5. With unglazed grinding surface [interior] and uniformly glazed exterior</li> </ol> <p>B. Pestle:</p> <ol style="list-style-type: none"> <li>6. Shape of pestle: Cylindrical with bulbous bottom with the following dimensions: <ol style="list-style-type: none"> <li>a) Length range: 133-135 mm and</li> <li>b) Diameter range : 28 - 30 mm dia at its widest point.</li> </ol> </li> <li>7. Material of pestle: A heavy bat-shaped porcelain</li> <li>8. Uniformly glazed on its handle and rough on opposite end</li> <li>9. The set is individually wrapped, enclosed in a bubble wrap and packed in a sturdy box</li> <li>10. Must be free from breakage, cracks, chipped parts and other defects</li> <li>11. Comes with a brand</li> </ol>				
14	<p><b>Rubber Stopper #6 for Erlenmeyer Flask narrow-mouth 250 ml, 2 holes</b></p> <p><b>Functional Specifications:</b> Used to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction .to prevent leaks, hazards and contamination.</p> <p><b>Performance Specifications:</b> Must be able to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance .with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction to prevent leaks, hazards and contamination.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Cylindrical with a tapered bottom end</li> <li>2. Material : Premium grade SBR black rubber compound with the following dimensions: <ol style="list-style-type: none"> <li>a) Height: 25 mm</li> <li>b) Top Ø: 32 mm</li> <li>c) Bottom Ø : 26 mm</li> <li>d) Hole Ø: 5 mm</li> </ol> </li> <li>3. Number of holes :With one (1) hole</li> <li>4. Dimension tolerance on height, top and bottom diameter : ± 0.5 mm</li> <li>5. Hardness : 40 ± 5 Duro</li> <li>6. Packed in resealable plastic bag</li> <li>7. Comes with a brand</li> </ol>	5pcs	5pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
15	<p><b>Test tube brush</b></p> <p><b>Functional Specifications:</b> Used to clean test tubes and other small sized glasswares</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape of bristles: Radial tufted tip bristles and brush head to make complete contact with walls, corners and bottom.</li> <li>2. Material of bristles: Medium stiff nylon with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 17-19 mm</li> <li>b) Length: 96-98 mm</li> <li>c) Over-all length: 220-229 mm</li> </ol> </li> <li>3. Material of handle: Galvanized steel wire</li> <li>4. Type of wire handle : Common loop twisted wire</li> <li>5. With circular loop,for hanging</li> <li>6. Packed in a resealable plastic bag</li> <li>7. Must be free from sharp metal parts</li> <li>8. Comes with a brand</li> </ol>	5pcs	5pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
16	<p><b>Test Tube, borosilicate, 16 mm x 150 mm Ion</b></p>	10pcs	10pcs	60 calendar days from the date of receipt of Notice	DepEd Cebu City Division, New Imus,

	<p><b>Functional Specifications:</b> Used to contain/hold a small chemical reaction, to mix small quantities of solids and liquids, and to heat small quantities of substances</p> <p><b>Performance Specifications:</b> Must be able to contain/hold a small chemical reaction and, mixes solids and liquids, heats small quantity of substances up to more than 100°C over a Bunsen burner's flame</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape : Fingerlike length of glass tubing, open at the top, usually with a rounded lip at the top, and a rounded 'U' shaped bottom</li> <li>2. Material of test tube: Borosilicate, clear, transparent and bubble-free, glass, with rim with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 16 mm diameter</li> <li>b) Thickness: 1.3 -1.4 mm</li> <li>c) Length: 150 mm long</li> </ol> </li> <li>3. Capacity : 20 mL</li> <li>4. With heavy uniform wall thickness, excellent heat resistance</li> <li>5. Test tubes must be reusable (not disposable)</li> <li>6. With large, white enamel marking spot</li> <li>7. With permanent graduation of approx. volume and inscriptions in high contrast white enamel.</li> <li>8. Can withstand heating up to 150°C for normal, standard use service</li> <li>9. Comes with a certification from the manufacturer that the test tube is reusable not disposable</li> <li>10. Wrapped individually in tissue paper, enclosed in bubble wrap and packed in compartmentalized box</li> <li>11. Must be free from breakage, cracks, chipped rims and other defects</li> <li>12. Comes with a brand with five (5) years of existence in the glass wares industry</li> </ol>				to Proceed/Purchase Order	Brgy. Day-as, Cebu City
17	<p><b>Vial, screw-neck, 50 ml with screw-type plastic cap)</b></p> <p><b>Functional Specifications:</b> Used to hold/contain/store/mix small quantities of samples/ solutions/ substances up to 50 mL</p> <p><b>Performance Specifications:</b> Must be able to hold/contain/store/mix samples/solutions/substances up to 50 mL</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Wide mouth</li> <li>2. Shape : Bottle-like shape with a threaded neck, screw cap polypropylene closure and with a flat bottom</li> <li>3. Material : Borosilicate, clear, transparent, and bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter : 25 mm to 30 mm</li> <li>b) Length: 100 mm to 108 mm</li> </ol> </li> <li>4. Capacity: 50 mL. With screw-type plastic cap</li> <li>5. Shape of neck : Cylindrical, round</li> <li>6. Neck finish: Continuous thread</li> <li>7. Cap Color: Black/White</li> <li>8. Cap Attached: No</li> <li>9. Cap Material : Polypropylene (plastic)</li> <li>10. Closure style : Solid top, screw thread cap</li> <li>11. Neck size: 24-400</li> <li>12. Cap liner: Foam lined</li> <li>13. Packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks, chipped rims and other defects</li> <li>15. Comes with a brand</li> </ol>	5pcs	5pcs		60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
18	<p><b>Watch Glass, Ø 90 mm</b></p> <p><b>Functional Specifications:</b> Used to:</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporates solvents in a sample and</li> <li>c) holds/contains liquids and solids prior to heating.</li> </ol> <p><b>Performance Specifications:</b> Must be able to</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporate solvents in a sample and</li> <li>c) hold/contain liquids and solids prior to heating.</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Circular concave</li> <li>2. Material : Borosilicate, clear and bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 90 mm ± 1 mm</li> <li>b) Thickness range : 1.5 mm to 2 mm</li> </ol> </li> <li>3. Fire-polished rims/edge.</li> <li>4. Individually wrapped in used newspaper, enclosed in a bubble wrap, and packed in a sturdy box</li> <li>5. Must be free from breakage, cracks, chipped edges and other defects</li> <li>6. Comes with a brand</li> </ol>	5pcs	5pcs		60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
19	<p><b>Set of Tools: Ball Peen Hammer, handle length is 11-inch, 350g approx. weight, 1 pc/set</b></p>	10 sets each	10 sets each		60 calendar days from the date of	DepEd Cebu City Division,



<p><b>Functional Specifications:</b> Used to peen dent surfaces in metals</p> <p><b>Performance Specifications:</b> Should be able to to peen dent surfaces in metals</p> <p><b>Design Specifications:</b> Ball Peen Hammer, handle length 11 inches, 350 grams gross weight approx., 1 pc. /set</p>			receipt of Notice to Proceed/Purchase Order	New Imus, Brgy. Day-as, Cebu City
<p><b>Set of Tools: Long Nose Pliers, 6-inch, 1 pair/set</b></p> <p><b>Functional Specifications:</b> Used to bend tiny solid wire connectors</p> <p><b>Performance Specifications:</b> Should be able to bend tiny solid wire connectors</p> <p><b>Design Specifications:</b> Long Nose Pliers with side cutter, 6 inches long, chrome vanadium material, 1 pair/set</p>				
<p><b>Set of Tools: Mechanical Wire Cutter and Pliers, 6.5-inch, 1 pair/set</b></p> <p><b>Functional Specifications:</b> Used to bend large wires</p> <p><b>Performance Specifications:</b> Should be able to bend large wires</p> <p><b>Design Specifications:</b> Mechanical-Wire Cutter and Pliers, 6 1/2 inches, chrome vanadium material, 1 pair/set</p>				
<p><b>Set of Tools: Precision Screwdrivers Set, 6 pcs/set, with plastic casing, 1 set/set</b></p> <p><b>Functional Specifications:</b> Used to drive precision screws</p> <p><b>Performance Specifications:</b> Should be able to to drive precision screws</p> <p><b>Design Specifications:</b> Precision Screwdrivers Set, 6 pc. (3 phillips, 3 flats)/set, with plastic casing, 1 set</p>				
<p><b>Set of Tools: Screwdriver, flat, 6-inch, 1 pc/set</b></p> <p><b>Functional Specifications:</b> Used to drive flat head screws</p> <p><b>Performance Specifications:</b> Should be able to drive flat head screws</p> <p><b>Design Specifications:</b> Screwdriver flat, 3/16 inches tip width x 6 inches long, chrome vanadium material, 1 pc. /set;</p>				
<p><b>Set of Tools: Screwdriver, Phillips, 6-inch, 1 pc/set</b></p> <p><b>Functional Specifications:</b> Used to drive philips type screws</p> <p><b>Performance Specifications:</b> Should be able to drive philips type screws</p> <p><b>Design Specifications:</b> Screwdriver, Phillips, Point size blade #3 x 6" long, chrome vanadium material, 1 pc/set;</p>				
<p><b>Set of Tools: Soldering Iron, 60 watts, 1 pc/set</b></p> <p><b>Functional Specifications:</b> Used to heat electrical contacts for permanent joints</p> <p><b>Performance Specifications:</b> Should be able to heat electrical contacts for permanent joints</p> <p><b>Design Specifications:</b> Soldering Iron, 60 watts, small type, wooden handle, 1 pc. /set;</p>				
<p><b>Set of Tools: Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool, 1 spool/set</b></p>				

	<p><b>Functional Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Performance Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Design Specifications:</b> Soldering Lead, Ø 1 mm, Grade 60/40, weight: 1 lb./spool, 1 spool/set</p>				
	<p><b>Set of Tools: Soldering Paste, 50 grams/can, 1 can/set</b></p> <p><b>Functional Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Performance Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Design Specifications:</b> Soldering Paste, all purpose flux, non-corrosive, 50 grams/can, 1 can/set;</p>				
	<p><b>Set of Tools: Tweezers, stainless steel, with curved tips, 6.5-inch long, 1 pair/set</b></p> <p><b>Functional Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Performance Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Design Specifications:</b> Tweezers, stainless steel, with curved tips, 6 1/2 inches long, 1 pair/set;</p>				
20	<p><b>Pipette, Beral, 1 ml</b></p> <p><b>Functional Specifications:</b> Used to transfer/dispense liquid samples.</p> <p><b>Performance Specifications:</b> Must be able to transfer/dispense liquid sample up to a volume of 1 mL.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. One-piece pipette, made from flexible soft non-toxic plastic that has a protuberance on top that serves as liquid retention chamber</li> <li>2. Capacity: 1 mL in 0.25 mL grad interval</li> <li>3. No rubber head</li> <li>4. Total length range: 140 mm - 150 mm</li> <li>5. With molded graduations</li> </ol>	5pcs	5pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
21	<p><b>Gloves, Hand, super nitrile</b></p> <p><b>Functional Specifications:</b> Used to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Performance Specifications:</b> Must be able to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Slightly curved fingers and forward-facing thumb correspond to the natural position of the hand (hand-shaped) .</li> <li>2. Material: Super nitrile, reusable with the following dimensions: <ol style="list-style-type: none"> <li>a) Length of gloves : 13 inches (330.2 mm ) min</li> <li>b) Thickness: 0.38 -0.52 mm (min)</li> </ol> </li> <li>3. Color : Green</li> <li>4. Size: 8</li> <li>5. Interior finish : Flocklined interior(acid/solvent resistant)</li> <li>6. Exterior finish : Smooth</li> <li>7. Cuff type: Rolled beaded</li> <li>8. Latex free to suit those with latex allergies</li> <li>9. Non-slip wear resistant high elasticity , waterproof</li> <li>10. Puncture resistant</li> <li>11. With detailed imprints on each glove, on the following: <ol style="list-style-type: none"> <li>a) the glove size/s</li> <li>b) the name of manufacturer</li> <li>c) nitrile, flocklined</li> <li>d) individual manufacturing lot</li> <li>e) with pictograms for certification category requirements CE 0334 (EN 420, EN 388, EN 374) designed for protection against mechanical risks, chemical risks, and micro-organisms</li> </ol> </li> <li>12. Individually packed in resealable plastic bag</li> <li>13. Comes with a brand</li> </ol>	5pairs	5pairs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

I hereby certify to comply and deliver all the above requirements.

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**Name of Company/Bidder Signature Over Printed Name of Representative/ Date**

***Section VI. Schedule of Requirements***  
**(Re-Bidding) Supply and Delivery of Math Learning Tools and Equipment**

**Lot 2**

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

<b>Item No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Total</b>	<b>Delivered, Weeks/Months</b>	<b>Place of Delivery</b>
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1	<p><b>Meterstick, plastic</b></p> <ol style="list-style-type: none"> <li>1. Material: Plastic;</li> <li>2. Thickness: 6 mm (minimum);</li> <li>3. Width: 24 mm (minimum);</li> <li>4. Length: 1,000 mm;</li> <li>5. The front is scaled in centimeters, numbered in every centimeter with 0.1 cm (or 1 mm) divisions;</li> <li>6. The back is scaled in inches, numbered in every inch with 1/8 inch divisions;</li> <li>7. The numbers and division lines are in dark color;</li> <li>8. Must be straight and flat; and free from toxic materials;</li> <li>9. Edges and Surfaces should be smooth and even;</li> <li>10. Comes with plastic jacket;</li> <li>11. Standard abbreviation of the measurement unit/s must be followed; and</li> </ol>	130pcs	130pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
2	<p><b>Protractor (for student)</b></p> <ol style="list-style-type: none"> <li>1. Protractor, student-type, plastic, transparent, semi-circular, 180°;</li> <li>2. Ø150mm (or 75mm radius), 1mm thick (minimum);</li> <li>3. Angular graduations are in degrees, from 0° to 180°. With two (2) sets of numerals, one reading clockwise and the other reading counterclockwise;</li> <li>4. Linear graduations are in millimeters, from 0 to 100mm;</li> <li>5. With a hole at vertex point enough for a fine string to pass through it;</li> <li>6. Plastic Surface Finish: Smooth, clear, and free from scratches;</li> <li>7. It must be horizontally level when laid flat on a table - no warping;</li> <li>8. Comes with a plastic case; and</li> </ol>	585pcs	585pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
3	<p><b>Ruler, Plastic, 12 inches or 30 cm</b></p> <ol style="list-style-type: none"> <li>1. Ruler, plastic, transparent, smooth surface, and 1 mm thick (minimum);</li> <li>2. Approximate Width x Length: 28 mm x 314 mm;</li> <li>3. Graduations: Metric graduations on one side while English graduations on the other side: <ul style="list-style-type: none"> <li>*Metric graduations are in centimeters, from 0 cm to 30 cm, with every cm subdivided by 10.</li> <li>*English graduations are in inches, from 0 inches to 12 inches, with every inch subdivided by 16.</li> </ul> </li> <li>4. Clear, readable black, non-groove permanent prints (will not fade and cannot be scratched off);</li> <li>5. Bendable up to U-shape when held at both ends; and</li> <li>6. The item shall be free from toxic materials.</li> </ol>	585pcs	585pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
4	<p><b>Tape Measure, 1.5 meters</b></p> <ol style="list-style-type: none"> <li>1. Tape Measure, 12 mm width x 1.5 meter long</li> <li>2. Made of flexible fiberglass fabric with metal end pieces</li> <li>3. Color: White with black graduation markings</li> <li>4. Graduation: in cm on one side and inches on the other side, smallest graduation in mm, on the opposite side in 1/16 of an inch</li> <li>5. Comes with a plastic case.</li> </ol>	585pcs	585pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
5	<p><b>Calculator, Scientific</b></p> <ol style="list-style-type: none"> <li>1. Display: LCD, 2 line(s) X 10 characters (minimum), stably shows input-expressions/equation, calculation result, and various indicators;</li> <li>2. Built-in functions not less than 240 inclusion of the following: <ul style="list-style-type: none"> <li>a) Basic Calculations: arithmetic, fraction, percentage, degrees, minutes, seconds, radian (including conversion of the mentioned Basic Calculations);</li> <li>b) Memory calculation, Logarithm and Hyperbolic functions;</li> <li>c) Statistical functions (e.g.: Statistical relationships, standard deviation, Permutation, Combination, etc.); and</li> <li>d) Trigonometric functions: sin, cos, tan, sin-1, cos-1, tan-1;</li> </ul> </li> <li>3. Basic keys and function keys are labeled permanently (resistant to finger rub and light acid (vinegar) contamination) and operates as such correspondingly;</li> <li>4. Power requirement: two way dual (battery, built-in solar system), the unit consistently operational after replacing the battery for three trials, its solar system powers the unit normally in a well lit room without the battery;</li> <li>5. Brand must be established in providing quality products for five (5) years and up.</li> </ol>	130pcs	130pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

6	<b>Stopwatch, digital</b> 1. Digital type, water-resistant (5-bar) 2. Start, stop, and re-set operations 3. Display Number: 4mm W x 10mm H 4. Measure Unit: 1/100th of a second 5. Working Range: up to 23hr 59min 59sec 6. Individually and properly packed in a box. 7. Instruction Manual in English 8. Approximate W x H x T: 60mm x 67mm x 20mm 9. Ready to use and comes with extra batteries.	29pcs	29pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
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I hereby certify to comply and deliver all the above requirements.

Name of Company/Bidder Signature Over Printed Name of Representative/ Date

## ***Section VI. Schedule of Requirements*** **(Re-Bidding) Supply and Delivery of TVL Learning Tools and Equipment** **Lot 3**

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

### **A. SMAW**

<b>Item No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Total</b>	<b>Delivered, Weeks/Months</b>	<b>Place of Delivery</b>
1	TIG/MIG/ ARC 3 in 1 Welding Machine with complete nozzle accessories, inverter, 300A, with snap and grip	4 sets	4 sets	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS
2	ARGON Tank with regulator (with content), 9" in diameter, 300 CF, 100lbs when empty	2 sets	2 sets	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS
3	Mechanical Pliers Tong	10 pcs	10 pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS
4	Ball Deen Hammer 10 Oz'	10 pcs	10 pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS
5	Tinner Snips 14"	10 pcs	10 pcs	60 calendar days from the date of receipt of Notice to	Abellana National School

				Proceed/Purchase Order	Don Vicente Rama MNHS
6	Pipe Wrench 14"	10 pcs	10 pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS
7	Oxygen Acetylene Tank with content, 50 lbs, 9" diameter, 12 cubic ft, with complete accessories and regulator	2 sets	2 sets	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS
8	SMART TV 55" Specification: 55" Smart UHD 4K Ultra High Definition (UHD) 3840x2160; 4K AI Upscaler; 4K HDR10	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School Don Vicente Rama MNHS

### B. Electronics

Item No.	Description	Quantity	Total	Delivered, Weeks/Months	Place of Delivery
1	Hot air Rework soldering station Specification: Hot Air SMD Rework Soldering Station Work environment 0-40; Temperature range 100-500; Gas flow 120L/min (max)	4 units	4 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School
2	SMART TV 55" 55" Smart UHD 4K Ultra High Definition (UHD) 3840x2160; 4K AI Upscaler; 4K HDR10	1 unit	1 unit	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School
3	Digital Multi-tester Specification: Digital Tester Meter, 800A, 4000 counts Multimeter, AC/DC Voltage Resistance, powered by 2 pcs 1.5V AA batteries (included)	4 units	4 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School
4	Drill Specification: Professional Cordless 12Volts Portable Drill Heavy Duty, 1 Battery + BMC Box, Extra 32 Accessories	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School



	with carrying hardcase				
5	Blower Specification: Blower Power Tool, 220 V Heavy Duty Leaf Air Blower with dust bag and accessories set , 820 W	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	Abellana National School

### C. Housekeeping

<b>Item No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Total</b>	<b>Delivered, Weeks/Months</b>	<b>Place of Delivery</b>
1	Coffee Maker Specifications: 1000W, 230V, Aluminum, 175 x 275 x 323mm, 1.5kg	1 u nit	1 unit	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
2	Electric kettle Specifications: 1400W, 230V, 150 x 110 x 220mm, Inner material: Aluminum, Housing Material: Plastic	1 unit	1 unit	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
3	Carpet sweeper Specifications: All-in-One Sweep Drag Household Hand Push 360 Degree Rotating Sweeping Broom, Room and Office Floor Sweeper Cleaner Dust Mop	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
4	Vacuum cleaner (dry and wet) Specifications: 1400W Flexio-Power wet and dry vacuum cleaner, 3- in-1 vacuum with wet, dry and blow functions. Accessories stored on board	1 unit	1 unit	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

	for efficient, easy access. 360° rotation for ease of use and stable handling Accessories included: 3				
5	Polisher (electric with complete accessories) Specifications: Specifications: Size: 16 Inches (406) Underside Size: 40.6 cm with Bumper Handle Size: 1m Adjustable Stainless Tube Cord: 13.5 Meters Royal Cord Motor: 3/4 HP 220V 60 Cycles Brush Speed: 175 RPM Consumption: 0.559kw/559 watts	1 unit	1 unit	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
6	Washer with dryer Specifications: 8.0kg washing capacity / 4.6kg spin dry capacity 15 minutes wash timer 5 minutes spin dry timer 2 washing programs (gentle and soft) Drain selector Detachable wash tub cover Water inlet access in wash tub and spin dry tub Lint filter Wash - 370 watts Spin - 135 watts IP x 4 Ingress Protection Rating LXWXH: 83 x 47 x 86 cm	1 unit	1 unit	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
7	Flat iron Specifications: With pilot lamp indicator With thermal fuse protection Easy temperature settings	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
8	Ironing Board Specifications: *Size: Small, Medium, Large *L: 12" W: 12" H: 46" [Small and Medium Folded] *L: 12.25" W: 14" H" 49" [Large Folded]	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City



	<p>*HEIGHT (IN USE) 30"/32"/33.5"</p> <p>*BOARD SIZE: (LENGTH) SMALL: 29.5"; MEDIUM: 35"; LARGE: 39.5"</p> <p>*IRONING BOARD SPAN (IN USE) S: 37"; M: 42"; L: 49"</p> <p>*Collapsible feature for easy storage</p> <p>*Material: Steel Tubes, Particle Board, Pongee Fabric</p> <p>*Poly Ethylene (PE) coated finish for long lasting color</p>				
9	<p>Steam pressers</p> <p>Specifications: Lightweight &amp; portable, small size for one hand to hold.</p> <ul style="list-style-type: none"> <li>- Adopts Steam Plus technology, 1200W powerful steam, care of the clothes and effectively removing the wrinkle of clothes.</li> <li>- Highly efficient penetration into clothing, 22g/min steam with high temperature and pressure for 7-8 minutes ironing.</li> <li>- Equipped with aluminum alloy steam nozzle, ceramic glaze and anion panel for secondary heating, the cleaner can make more strong steam.</li> <li>- Micro pressurized steam, not easily leaking water, fast steam output, further spray distance, wide steam coverage.</li> </ul>	2 units	2 units	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

### D. Dress Making

<b>Item No.</b>	<b>Description</b>	<b>Quantity</b>	<b>Total</b>	<b>Delivered, Weeks/Months</b>	<b>Place of Delivery</b>
1	Tape Measure (Plastic)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
2	Hip Curve (Wooden)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
3	Meter Stick (Wooden)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
4	French Curve (wooden)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
5	Pinking Shears Size:24*9cm (approx.)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
6	Scissors Sharp Stainless Steel Tailor Scissors with Cover Heavy Duty Sewing Fabric Scissors	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
7	Cutting Shears Soft-grip handles for comfortable use; can be used left- or right-handed. Perfect for the home or the office. For cutting paper, cardboard, fabric, photos, and more. Material: Stainless Steel Quality: Top high-quality	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
8	L-Square	10pcs	10pcs	60 calendar days from the	DepEd Cebu City Division,

	(Wooden)			date of receipt of Notice to Proceed/Purchase Order	New Imus, Brgy. Day-as, Cebu City
9	Transparent Ruler with grid	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
10	Basin and Pail multipurpose, LARGE: 28*12cm	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
11	Sewing Box with kit Sewing Kit Needle Box Set 10 in1 Household Sewing Tools Portable Sewing Kit	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
12	Tracing Wheel (plastic)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
13	Hanger (plastic)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
14	Screw Driver Flat (medium)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
15	Screwdriver Flat (Small)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
16	Triangle 16" 45" x90"	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
17	Hand Spray (Plastic)	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
18	Seam Ripper Plastic Body with Cap Cutlery Steel - Long Lasting Sharpness Plastic Ball on Short Finger to protect fabric	10pcs	10pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City
19	Working Table 8' Folding Table Seats up to 10 Adults 661 lb. Static Load Capacity 1.75" Thick Granite White Top is waterproof, impact and stain resistant Gray Powder Coated Locking Legs with protective floor caps Legs fold underneath top for flat storage	2 pcs	2 pcs	60 calendar days from the date of receipt of Notice to Proceed/Purchase Order	DepEd Cebu City Division, New Imus, Brgy. Day-as, Cebu City

**I hereby certify to comply and deliver all the above requirements.**

**Name of Company/Bidder Signature Over Printed Name of Representative/ Date**



## ***Section VII. Technical Specifications***

### **Notes for Preparing the Technical Specifications**

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying their Bids. In the context of Competitive Bidding, the specifications (*e.g.* production/delivery schedule, manpower requirements, and after-sales service/parts, descriptions of the lots or items) must be prepared to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of transparency, equity, efficiency, fairness, and economy in procurement be realized, responsiveness of bids be ensured, and the subsequent task of bid evaluation and post-qualification facilitated. The specifications should require that all items, materials and accessories to be included or incorporated in the goods be new, unused, and of the most recent or current models, and that they include or incorporate all recent improvements in design and materials unless otherwise provided in the Contract.

Samples of specifications from previous similar procurements are useful in this respect. The use of metric units is encouraged. Depending on the complexity of the goods and the repetitiveness of the type of procurement, it may be advantageous to standardize the General Technical Specifications and incorporate them in a separate subsection. The General Technical Specifications should cover all classes of workmanship, materials, and equipment commonly involved in manufacturing similar goods. Deletions or addenda should then adapt the General Technical Specifications to the particular procurement.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for equipment, materials, and workmanship, recognized Philippine and international standards should be used as much as possible. Where other particular standards are used, whether national standards or other standards, the specifications should state that equipment, materials, and workmanship that meet other authoritative standards, and which ensure at least a substantially equal quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the Special Conditions of Contract or the Technical Specifications.

#### **Sample Clause: Equivalency of Standards and Codes**

Wherever reference is made in the Technical Specifications to specific standards and codes to be met by the goods and materials to be furnished or tested, the provisions of the latest edition or revision of the relevant standards and codes shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national or relate to a particular country or region, other authoritative standards that ensure substantial equivalence to the standards and codes specified will be acceptable.

Reference to brand name and catalogue number should be avoided as far as possible; where unavoidable they should always be followed by the words “*or at least equivalent.*” References to brand names cannot be used when the funding source is the GOP.

Where appropriate, drawings, including site plans as required, may be furnished by the Procuring Entity with the Bidding Documents. Similarly, the Supplier may be requested to provide drawings or samples either with its Bid or for prior review by the Procuring Entity during contract execution.

Bidders are also required, as part of the technical specifications, to complete their statement of compliance demonstrating how the items comply with the specification.

# Section VII - Technical Specifications (Re-Bidding) Supply and Delivery of Science Learning Tools and Equipment

## Lot 1

### A. Junior High School

Item No.	Description	Quantity	Statement of Compliant
1	<p>Flask, Volumetric, borosilicate 250 ml</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Functional Specifications:</b> Used to measure/prepare/contain a precise volume of standard solutions at a certain temperature and precise dilution of solutions up to 250 mL.</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape : A round or pear-shaped bulb, a long thin neck topped by a snap cap and with flat bottom</li> <li>3. Material of body: Borosilicate , clear, transparent and bubble-free, glass with the following dimensions:               <ol style="list-style-type: none"> <li>a) Height: 225 mm</li> <li>b) Outside diameter : 78 mm (approx.)</li> <li>c) Size: 250 mL</li> <li>d) Tolerance: ± 0.12 mL</li> </ol> </li> <li>4. With heavy duty rim</li> <li>5. Comes with snap cap               <ol style="list-style-type: none"> <li>a) Material of snap cap :High density plastic (polyethylene)</li> <li>b) With octagonal grip</li> <li>c) Snap-cap : No. 250</li> <li>d) Color of snap cap: Blue</li> </ol> </li> <li>6. Must meet ASTM E- 694 for volumetric ware, ASTM E-542 for calibration of volumetric ware and ASTM E-288 for volumetric flasks.</li> <li>7. Calibrated "to contain" (marked "TC" or "IN")</li> <li>8. Manufacturer should be accredited by NIST standards or its equivalent to the country of origin to certify that their items are calibrated.</li> <li>9. Must be free from breakage, cracks, sharp rims and other defects</li> <li>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</li> <li>11. Comes with a brand, with five (5) years existence in the glasswares industry</li> </ol> </div>	20pcs	
2	<p>Graduated Cylinder, borosilicate, 10 ml</p> <div style="border: 1px solid black; padding: 5px;"> <p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b> Must be able to measure and to deliver the volume of liquids up to 10 mL capacity</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape: Narrow cylindrical container with a small turned-out lip</li> <li>3. Material: Borosilicate, clear and transparent bubble-free, glass with the following dimensions :               <ol style="list-style-type: none"> <li>a) Outside Diameter:13-14 mm</li> <li>b) Height: 177-178 mm</li> <li>c) Thickness range :1.3-1.4 mm</li> <li>d) Tolerance: ± 0.20</li> </ol> </li> <li>4. Capacity: 10 mL</li> <li>5. Graduation Range : 1 to 10 mL</li> <li>6. Graduation interval : 0.1 mL</li> <li>7. Calibrated to deliver (TD)</li> <li>8. All markings are in permanent white enamel</li> <li>9. With pouring spout</li> <li>10. Single metric scale, with plastic bumper guard</li> <li>11. Glass hexagonal base (non-detachable)</li> <li>12. Manufacturer of the country of origin should issue certificate of calibration for every item.</li> <li>13. Placed in bubble wrap, and packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks and sharp rim</li> <li>15. Comes with a brand, with five (5) years existence in the glasswares industry</li> </ol> </div>	20pcs	

3	<p><b>Graduated Cylinder, borosilicate, 100 ml</b></p> <p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b>  a) Must be able to measure and to deliver the volume of liquids up to 100 mL capacity  b) Used as a container to determine the volume of irregularly shaped solids by water displacement</p> <p><b>Design Specifications:</b>  1. Type: Class A  2. Shape: Narrow cylindrical container with a small turned-out lip  3. Material : Bubble-free, borosilicate, clear and transparent glass with the following dimensions:  a) Outside Diameter: 29-31 mm  b) Height: 254-256 mm  c) Thickness range :1.3-1.4 mm  d) Tolerance: ± 0.60 mL  4. Capacity: 100 mL  5. Graduation range: 5 to 100 mL  6. Graduation Interval : 1 mL  7. Calibrated to deliver (TD)  8. All markings are in permanent white enamel  9. With pouring spout  10. With single graduated metric scale with plastic bumper guard  11. With glass hexagonal base (non-detachable)  12. Manufacturer of the country of origin should issue certificate of calibration for every item.  13. Placed in bubble wrap, and packed individually in a compartmentalized box  14. Must be free from breakage, cracks and sharp rim  15. Comes with a brand, with five (5) years existence in the glass industry</p>	20pcs	
4	<p><b>pH Meter, hand-held</b></p> <p>i) Paper Size: A4 size , 80 gsm  ii) Font: Times New Roman  iii) Font size: 12  iv) Orientation: Portrait  v) Margins on all sides with 2 point width border line  vi) Line with arrow head of 1.25 point with width shall point to the specific part being labeled  16. Must be free from sharp edges  17. Must have a brand</p>	20pcs	
5	<p><b>Thermometer, Laboratory</b></p> <p><b>Functional Specifications:</b> Used to measure the temperature</p> <p><b>Performance Specifications:</b> Must measure the temperature , -20° to 110°C</p> <p><b>Design Specifications:</b>  1. Type: Alcohol filled, partial immersion thermometer  2. Shape : A small sealed tube made of glass that has a small hollow bulb filled partly with ethanol and partly with nitrogen and ethanol vapors, on one end and a thin capillary opening running through the length of its center  3. Material : Glass  4. Color: White  5. Non-toxic red-filled thermometer  6. Partial immersion type with immersion line indicator and ring top  7. With precision red alcohol-filled, reinforced bulbs, and with expansion chamber  8. With white back with non-roll sleeve  9. With clear and permanent markings; scale never washes out  10. Provided with non-roll plastic case  11. With continuous alcohol column  12. Dimensions:  13. Range: -20°C to 110°C  14. Division: 1°C  15. Length: 300 mm (minimum)  16. Accuracy: ± 1° C  17. Diameter: 5.8 to 6.2 mm  18. Immersion line : 76 mm  19. Manufacturer of the country of origin should issue certificate of calibration for every item.  20. Must be free from breakage , cracks, chipped and sharp edges and other defects  21. Comes with a brand</p>	21pcs	



6	<p><b>Universal pH Paper, H 0-14, 100 strips/pack</b></p> <p><b>Functional Specifications:</b> Used as an indicator to determine/measure the pH of substances, whether it is an acid, neutral or a base</p> <p><b>Performance Specifications:</b> 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:</p> <p>a) For an acid : pH 0-pH 6;  b) For a base : pH 8-pH 14.  c) For distilled water : pH 7</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Test strips</li> <li>2. Shape: Rectangle</li> <li>3. Material: Cellulose/Paper based</li> <li>4. Dimension of pH strip :  a) Length : 69 mm x 6 mm</li> <li>5. Number of colors in indicator test strip: In four colors to test pH values</li> <li>6. Number of test strips : 100 pc strips</li> <li>7. Packaging: Clear, transparent box</li> <li>8. Shape of box: Square</li> <li>9. With complete color chart for comparison with the color change to get the pH reading of the sample being tested</li> <li>10. No sharp edges on box</li> <li>11. Measures pH 0-pH 14</li> <li>12. Comes with a brand</li> </ol>	10packs	
7	<p><b>Beaker, borosilicate, 1000 ml</b></p> <p><b>Functional Specifications:</b> Used to serve as container for mixing and for heating liquids.</p> <p><b>Performance Specifications:</b> Must be able to serve as container for mixing and for heating liquids.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Griffin type, borosilicate, transparent, bubble-free glass</li> <li>2. Shape: a cylindrical container with flat bottom</li> <li>3. Thickness range: 1.5 mm to 2.0 mm</li> <li>4. Permanent white graduations, with white enamel marking spot</li> <li>5. Features an easy-pour spout</li> <li>6. Capacity: 1000 mL: ± 10% enameled onto the glass</li> <li>7. Single graduated metric scale</li> <li>8. Graduation starts at 200 mL in 100 mL increments</li> <li>9. Height range: 140 mm to 160 mm</li> <li>10. Outside diameter: 100 mm to 110 mm</li> <li>11. There must be no cracks and sharp parts</li> <li>12. Safely packed in a compartmentalized box</li> </ol>	20pcs	
8	<p><b>Dish, Petri (Pyrex)</b></p> <p><b>Functional Specifications:</b> Used to secure the specimen under study.</p> <p><b>Performance Specifications:</b> Must be able to secure the specimen under study.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Reusable, borosilicate, circular glass with beaded edge;</li> <li>2. Bubble-free, plain surface</li> <li>3. Outside Diameter of Cover: 100 mm±2 mm;</li> <li>4. Outside Diameter of Dish: 92 mm ± 2 mm;</li> <li>5. Overall height with cover (as assembled): 20 mm ± 2 mm</li> <li>6. Glass thickness range: 2 mm to 2.2 mm</li> <li>7. There must be no cracks and sharp edges</li> <li>8. Safely packed in a compartmentalized box</li> </ol>	20pcs	
9	<p><b>Beaker, borosilicate, 250 ml</b></p>	20pcs	

	<p><b>Functional Specifications:</b> Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 150°C for normal, standard use service</p> <p><b>Performance Specifications:</b> 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 150°C for normal, standard use service</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type : Griffin,low form</li> <li>2. Shape: Cylindrical container with straight sides, a flat bottom, and with a small spout (or "beak") to aid pouring</li> <li>3. Material: Borosilicate, clear and transparent bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter: 68 mm to 70mm</li> <li>b) Height: 90 mm to 92 mm</li> <li>c) Thickness: 1.5 mm to 2.0 mm</li> </ol> </li> <li>4. With permanent white enamel graduations of approximate volumes, inscriptions and markings enameled onto the glass</li> <li>5. With large white marking spot</li> <li>6. Features an easy-pour spout</li> <li>7. "With double graduated metric scale "</li> <li>8. Capacity: 250 mL ±5% etched onto the glass"</li> <li>9. With marking graduation to fill starts at 25 mL in 25mL increments</li> <li>10. With marking graduation to empty: starts at 0 mL in 25 mL increments</li> <li>11 Graduation interval: 25 mL</li> <li>12. Graduation range: 25 mL to 200 mL</li> <li>13. Wrapped in paper, enclosed in bubble wrap and packed individually in compartmentalized box</li> <li>14. Can withstand heating up to 200-230°C for normal, standard use service</li> <li>15.Must be free from breakage, cracks, chipped rims and other defects</li> <li>16. Comes with a brand of five (5) years existence in the glasswares industry</li> </ol>		
10	<p><b>Beaker, borosilicate, 500 ml</b></p> <p><b>Functional Specifications:</b></p> <ol style="list-style-type: none"> <li>a)Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to 150°C for normal, standard use service and</li> <li>b)to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</li> </ol> <p><b>Performance Specifications:</b></p> <ol style="list-style-type: none"> <li>a) Must be able to contain/hold /prepare solids and liquids during chemical reaction and heats them over a Bunsen burner's flame up to 150°C for normal, standard use service and to serve as a water bath</li> <li>b) to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Berzellius, tall form</li> <li>2. Shape: Cylindrical container with straight sides, a flat bottom, with a small spout (or "beak") to aid pouring</li> <li>3. Material : Borosilicate, clear, bubble free glass , Berzellius, tall form with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter Range :75 mm- 80 mm</li> <li>b) Height range: 136 mm -140 mm</li> <li>c) Thickness : 1.5 mm to 2.0 mm</li> </ol> </li> <li>4. Capacity :500 mL ; ± 5% etched/embossed onto the glass</li> <li>5. With permanent white enamel graduations of approximate volumes, inscriptions and</li> <li>6. With large white marking spot</li> <li>7. With easy pour spout</li> <li>8. Double graduated metric scale</li> <li>9. Marked to fill: Graduation starts at 50 mL in 50 mL increments</li> <li>10. Marked to empty: Graduation starts at 0 mL in 50 mL increments</li> <li>11. Can withstand heating up to 200-230°C for normal, standard use service</li> <li>12. Wrapped in paper, enclosed in bubble wrap and packed individually in a compartmentalized box</li> <li>13. Must be free from breakage, cracks , chipped rims and other defects</li> <li>14. Comes with a brand, with five (5) years existence in the glass wares industry</li> </ol>	20pcs	
11	Burner, Alcohol, glass, 150 ml Capacity	19pcs	

	<p><b>Functional Specifications:</b> Used to produce hot, consistent open flame for slow/gentle heating of glasswares and substances</p> <p><b>Performance Specifications:</b>        Must be able to produce hot, consistent open flame        a) for slow/gentle heating of glasswares and substances        b) can withstand prolonged heating without breaking        c) visually determine the identity of an unknown metal or metalloid ion based on the characteristic color the chemical/salt emits on the Bunsen flame to investigate reactions of ions and apply these in qualitative analysis through an activity, on Flame Test        d) bend a glass tubing        e) heat, to sterilize, to accelerate, and to trigger chemical reactions,        f) for combustion purposes and techniques</p> <p><b>Design Specifications:</b>        1. Shape : A globe-shaped body and flat base (bottom) with threaded mouth        2. Material: Sturdy, heavy walled, clear, transparent, bubble-free glass with the following dimensions:        a) Outside Diameter: 80 mm to 85 mm        b) Total height: 100 mm to 105 mm        3. Capacity : 150 ml        4. With 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: Braided        c) Length: 7 inches (178 mm) min        d) Diameter: 3/16 inches (5-6 mm)        6. With snuff/snap-on cover/cap        7. With ten (10) pc replacement braided cotton fiber/strand wicks        8. Wrapped in paper, enclosed in bubble wrap and packed in compartmentalized box        9. Must be free from breakage, cracks, chipped rims and other defects        10. Comes with a brand</p>		
12	<p>Mortar and Pestle, porcelain, 150 ml</p> <p><b>Functional Specifications:</b> Used to pulverize/mash/grind and to mix materials in a mortar using a pestle</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b>        A. Mortar        1. Shape of mortar : 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 mm ± 1 mm        b) Depth : 65 mm        c) Flat bottom : 87 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: 133-135 mm and        b) Diameter range : 28 - 30 mm dia 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 parts and other defects        11. Comes with a brand</p>	20pcs	
13	Rubber Stopper # 6 for Erlenmeyer Flask narrow-mouth 250 ml, 1 hole	20pcs	

	<p><b>Functional Specifications:</b> Used to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction .to prevent leaks, hazards and contamination.</p> <p><b>Performance Specifications:</b> Must be able to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance .with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction to prevent leaks, hazards and contamination.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Cylindrical with a tapered bottom end</li> <li>2. Material : Premium grade SBR black rubber compound with the following dimensions: <ol style="list-style-type: none"> <li>a) Height: 25 mm</li> <li>b) Top <math>\varnothing</math>: 32 mm</li> <li>c)Bottom <math>\varnothing</math> : 26 mm</li> <li>d) Hole <math>\varnothing</math>: 5 mm</li> </ol> </li> <li>3. Number of holes :With one (1) hole</li> <li>4. Dimension tolerance on height, top and bottom diameter : <math>\pm 0.5</math> mm</li> <li>5. Hardness : <math>40 \pm 5</math> Duro</li> <li>6. Packed in resealable plastic bag</li> <li>7. Comes with a brand</li> </ol>			
14	<p><b>Test tube brush</b></p> <p><b>Functional Specifications:</b> Used to clean test tubes and other small sized glasswares</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape of bristles: Radial tufted tip bristles and brush head to make complete contact with walls, corners and bottom.</li> <li>2. Material of bristles: Medium stiff nylon with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 17-19 mm</li> <li>b) Length: 96-98 mm</li> <li>c) Over-all length: 220-229 mm</li> </ol> </li> <li>3. Material of handle: Galvanized steel wire</li> <li>4. Type of wire handle : Common loop twisted wire</li> <li>5. With circular loop,for hanging</li> <li>6. Packed in a resealable plastic bag</li> <li>7. Must be free from sharp metal parts</li> <li>8. Comes with a brand</li> </ol>		14pcs	
15	Test Tube, borosilicate, 16 mm x 150 mm Ion		50pcs	

	<p><b>Functional Specifications:</b> Used to contain/hold a small chemical reaction , to mix small quantities of solids and liquids, and to heat small quantities of substances</p> <p><b>Performance Specifications:</b> Must be able to contain/hold a small chemical reaction and , mixes solids and liquids, heats small quantity of substances up to more than 100°C over a Bunsen burner's flame</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape : Fingerlike length of glass tubing, open at the top, usually with a rounded lip at the top, and a rounded 'U' shaped bottom</li> <li>2. Material of test tube: Borosilicate , clear, transparent and bubble-free, glass, with rim with the following dimensions:       <ol style="list-style-type: none"> <li>a) Diameter: 16 mm diameter</li> <li>b) Thickness :1.3 -1.4 mm</li> <li>c) Length: 150 mm long</li> </ol> </li> <li>3. Capacity : 20 mL</li> <li>4. With heavy uniform wall thickness, excellent heat resistance</li> <li>5. Test tubes must be reusable (not disposable)</li> <li>6. With large, white enamel marking spot</li> <li>7. With permanent graduation of approx. volume and inscriptions in high contrast white enamel.</li> <li>8. Can withstand heating up to 150°C for normal, standard use service</li> <li>9. Comes with a certification from the manufacturer that the test tube is reusable not disposable</li> <li>10. Wrapped individually in tissue paper, enclosed in bubble wrap and packed in compartmentalized box</li> <li>11. Must be free from breakage, cracks, chipped rims and other defects</li> <li>12. Comes with a brand with five (5) years of existence in the glass wares industry</li> </ol>			
16	<p><b>Vial, screw-neck, 50 ml with screw-t</b></p> <p><b>Functional Specifications:</b> Used to hold/contain/store/mix small quantities of samples/ solutions/ substances up to 50 mL</p> <p><b>Performance Specifications:</b> Must be able to hold/contain/store/mix samples/solutions/substances up to 50 mL</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Wide mouth</li> <li>2. Shape : Bottle-like shape with a threaded neck, screw cap polypropylene closure and with a flat bottom</li> <li>3. Material : Borosilicate,clear, transparent, and bubble-free glass with the following dimensions:       <ol style="list-style-type: none"> <li>a) Outside Diameter : 25 mm to 30 mm</li> <li>b) Length: 100 mm to 108 mm</li> </ol> </li> <li>4. Capacity: 50 mL With screw- type plastic cap</li> <li>5. Shape of neck : Cylindrical, round</li> <li>6. Neck finish: Continuous thread</li> <li>7. Cap Color: Black/White</li> <li>8. Cap Attached: No</li> <li>9. Cap Material : Polypropylene (plastic)</li> <li>10. Closure style : Solid top, screw thread cap</li> <li>11. Neck size: 24-400</li> <li>12. Cap liner: Foam lined</li> <li>13. Packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks , chipped rims and other defects</li> <li>15. Comes with a brand</li> </ol>		25pcs	
17	<p><b>Watch Glass, Ø 90 mm</b></p> <p><b>Functional Specifications:</b> Used to:</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporates solvents in a sample and</li> <li>c) holds/contains liquids and solids prior to heating.</li> </ol> <p><b>Performance Specifications:</b> Must be able to</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporate solvents in a sample and</li> <li>c) hold/contain liquids and solids prior to heating.</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Circular concave</li> <li>2. Material : Borosilicate, clear and bubble-free glass with the following dimensions:       <ol style="list-style-type: none"> <li>a) Diameter: 90 mm ± 1 mm</li> <li>b) Thickness range : 1.5 mm to 2 mm</li> </ol> </li> <li>3. Fire-polished rims/edge.</li> <li>4. Individually wrapped in used newspaper, enclosed in a bubble wrap, and packed in a sturdy box</li> <li>5. Must be free from breakage, cracks, chipped edges and other defects</li> <li>6. Comes with a brand</li> </ol>		21pcs	
18	<p><b>Lens Paper, 50's/pack</b></p>		21packs	

19	<p><b>Filter Paper, crepe, 580mm x 580 mm sheet, Grade 0905</b></p> <p><b>Functional Specifications:</b> Used to filter/separate mixtures solids from liquids</p> <p><b>Performance Specifications:</b> Must be able to filter solids from liquids to demonstrate filtration, as one of the techniques in separating mixtures (solids from liquids)</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Technical use</li> <li>2. Shape of filter paper : Square</li> <li>3. Material: Cellulose with the following dimensions: <ol style="list-style-type: none"> <li>a) Length: 580 mm</li> <li>b) Width : 580 mm</li> </ol> </li> <li>4. Color: White to cream</li> <li>5. Grade: 0905</li> <li>6. Surface: Creped</li> <li>7 Initial Filtration Speed: 20 sec (<math>\pm</math> 1 sec)/10 mL; Flow rate: High</li> <li>8. Wet strengthened</li> <li>9. Packed in brown filter paper tube</li> <li>10. Comes with a brand</li> </ol>	16sheets	
20	<p><b>Nichrome wire. 0.4, 100 ft (1 spool per package = 1.1 oz minimum with spool)</b></p> <p><b>Functional Specifications:</b> Used as a wire loop and heating element on which a metal salt or solid ionic compound is made to adhere into it and is heated to emit a characteristic color on the Bunsen flame to identify the particular metal present in the compound</p> <p><b>Performance Specifications:</b> Must be used as a wire loop on which a metal salt or solid ionic compound is made to adhere to, and is heated to emit a characteristic color on the Bunsen flame to identify the particular metal present in the compound in a laboratory activity, the Flame test</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Round wire</li> <li>2. Material of wire: Nichrome-Alloy of nickel and chromium, Ni80 Cr20 with the following dimensions: <ol style="list-style-type: none"> <li>a) AWG size: 26</li> <li>b) Diameter: 0.4 mm</li> <li>c) Length : 100 ft</li> </ol> </li> <li>3. Form: Soft, rust-free wire</li> <li>4. Color: Silvery grey</li> <li>5. Resistance : 2.57 ohms/foot</li> <li>6. Annealed soft</li> <li>7. Perfectly tensioned, Zero elongation, scratches, or other flaws.</li> <li>8. Comes in a spool</li> <li>9. Packed in a resealable plastic pouch</li> <li>10. Comes with a brand</li> </ol>	5spool	
21	<p><b>Triangular File, fine, 6-inch Iron, with plastic handle</b></p> <p><b>Functional Specifications:</b> Used to cut the glass tubing</p> <p><b>Performance Specifications:</b> Must be able to cut the glass tubing</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type of file: Triangular</li> <li>2. Shape: Triangular</li> <li>3. Material: High carbon steel</li> <li>4. Kind of file: Fine, smooth</li> <li>5. Length of file: 6" (150-152.4 mm) long</li> <li>6. Material of handle: Plastic</li> <li>7. Packed in a resealable pouch</li> <li>8. Comes with a brand</li> </ol>	21pcs	
22	Globe, Terrestrial	10units	

	<p><b>Functional Specifications:</b> Used to represent the earth in three dimensions and the locations and sizes of land masses and water bodies in scale accuracy</p> <p><b>Performance Specifications:</b> Should be able to represent the earth in three dimensions and the locations and sizes of land masses and water bodies in scale accuracy</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>Primarily used as a reference to geographical &amp; political information Globe diameter: minimum of 12 inches.</li> <li>Shows the following: <ol style="list-style-type: none"> <li>All continents, countries with their capitals, and important cities and places</li> <li>Updated with newly established countries, or re-named countries and cities.</li> <li>Illustrates the flow and directions of ocean currents</li> <li>Lines of Latitudes (0° to 90°), graduated both in Northern and Southern Latitudes and Longitudes (0° to 180°), graduated both in Eastern and Western Longitudes</li> <li>International Date Line, Arctic Circle, Tropic of Cancer, Tropic of Capricorn and Antarctic Circle</li> <li>Lines of Equator and Prime Meridian</li> <li>Names of mountain, mountain ranges, volcano, ocean floors, gulfs, seas and lakes</li> <li>Names of continents, seas and country boundaries should be according to international standard.</li> <li>Philippine territory emphasizing the "West Philippine Sea" as one of the Philippine territorial sea boundaries.</li> <li>The Nine Dashed Line should not appear.</li> </ol> </li> <li>The globe which is made of plastic is mounted on a plastic meridian ring (C-shape) with movable magnifier.</li> <li>The base stand is made of hard/tough plastic.</li> <li>Must be branded</li> </ol>		
23	<p><b>Musical Instrument (Miniature Guitar)</b></p> <p><b>Functional Specifications:</b> Used to demonstrate musical application of standing waves</p> <p><b>Performance Specifications:</b> Should be able to demonstrate musical application of standing waves</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>Mini acoustic type, half-size guitar, any color, surface finish: varnish</li> <li>Made of good quality wood without sign of warp</li> <li>Minimum dimensions: Overall length: 33 inches, Width: 12 inches, Depth: 3 1/2 inches</li> <li>Standard guitar steel strings (Nos. 1-6), 18 fret minimum</li> </ol>	10 pcs	
24	<p><b>Set of Tools: Ball Peen Hammer, handle length is 11-inch, 350g approx. weight, 1 pc/set</b></p> <p><b>Functional Specifications:</b> Used to peen dent surfaces in metals</p> <p><b>Performance Specifications:</b> Should be able to to peen dent surfaces in metals</p> <p><b>Design Specifications:</b> Ball Peen Hammer, handle length 11 inches, 350 grams gross weight approx., 1 pc. /set</p> <p><b>Set of Tools: Long Nose Pliers, 6-inch, 1 pair/set</b></p> <p><b>Functional Specifications:</b> Used to bend tiny solid wire connectors</p> <p><b>Performance Specifications:</b> Should be able to bend tiny solid wire connectors</p> <p><b>Design Specifications:</b> Long Nose Pliers with side cutter, 6 inches long, chrome vanadium material, 1 pair/set</p> <p><b>Set of Tools: Mechanical Wire Cutter and Pliers, 6.5-inch, 1</b></p>	13 sets each	

	<p><b>Functional Specifications:</b> Used to bend large wires</p> <p><b>Performance Specifications:</b> Should be able to bend large wires</p> <p><b>Design Specifications:</b> Mechanical-Wire Cutter and Pliers, 6 1/2 inches, chrome vanadium material, 1 pair/set</p>		
pair/set	<p>Set of Tools: Precision Screwdrivers Set, 6 pcs/set, with plastic casing, 1 set/set</p> <p><b>Functional Specifications:</b> Used to drive precision screws</p> <p><b>Performance Specifications:</b> Should be able to to drive precision screws</p> <p><b>Design Specifications:</b> Precision Screwdrivers Set, 6 pc. (3 phillips, 3 flats)/set, with plastic casing, 1 set</p>		
	<p>Set of Tools: Screwdriver, flat, 6-inch, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to drive flat head screws</p> <p><b>Performance Specifications:</b> Should be able to drive flat head screws</p> <p><b>Design Specifications:</b> Screwdriver flat, 3/16 inches tip width x 6 inches long, chrome vanadium material, 1 pc. /set;</p>		
	<p>Set of Tools: Soldering Iron, 60 watts, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to heat electrical contacts for permanent joints</p> <p><b>Performance Specifications:</b> Should be able to heat electrical contacts for permanent joints</p> <p><b>Design Specifications:</b> Soldering Iron, 60 watts, small type, wooden handle, 1 pc. /set;</p>		
	<p>Set of Tools: Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool, 1 spool/set</p> <p><b>Functional Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Performance Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Design Specifications:</b> Soldering Lead, Ø 1 mm, Grade 60/40, weight: 1 lb./spool, 1 spool/set</p>		
	<p>Set of Tools: Soldering Paste, 50 grams/can, 1 can/set</p> <p><b>Functional Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Performance Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Design Specifications:</b> Soldering Paste, all purpose flux, non-corrosive, 50 grams/can, 1 can/set;</p>		
	<p>Set of Tools: Tweezers, stainless steel, with curved tips, 6.5-inch long, 1 pair/set</p> <p><b>Functional Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Performance Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Design Specifications:</b> Tweezers, stainless steel, with curved tips, 6 1/2 inches long, 1 pair/set;</p>		



25	<p><b>Glass Cover Slips, 100's/box</b></p> <p><b>Functional Specifications:</b> Used to secure the wet mount sample specimen.</p> <p><b>Performance Specifications:</b> Must be able to secure the wet mounted sample specimen.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Pre-cleaned cover glasses and not sticking from each other</li> <li>2. Material: Transparent glass</li> <li>3. Quantity: 100's/small plastic box</li> <li>4. Dimension: 22 mm x 22 mm square</li> <li>5. Thickness: 0.13 mm - 0.17 mm</li> <li>6. There shall be no chipped edges</li> <li>7. Safely packed in a plastic box</li> </ol>	10 boxes	
26	<p><b>Glass Slides, 72's/box</b></p> <p><b>Functional Specifications:</b> Used to contain the specimen for examination under the microscope.</p> <p><b>Performance Specifications:</b> Must be able to accommodate the specimen subject for examination under the microscope.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Clear, flat glass; free from moisture, dirt, and film;</li> <li>2. No color, no frost and no chipped edges</li> <li>3. Dimension: 75 mm (±1 mm) x 25 mm (± 1 mm);</li> <li>4. Thickness: 1.1 mm (± 0.1 mm)</li> <li>5. No sharp edges and pointed corners</li> <li>6. Packed in a box containing 72 slides with thin paper sheets in between them</li> </ol>	20 boxes	
27	<p><b>Compass, Magnetic</b></p> <p><b>Functional Specifications:</b> Used to find direction on the earth's surface by the alignment of the compass needle with the earth's magnetic field</p> <p><b>Performance Specifications:</b> Should be able to find direction on the earth's surface by the alignment of the compass needle with the earth's magnetic field</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Outside Diameter: 48 mm to 52 mm</li> <li>2. Needle mounted in an Aluminum case with clear, scratch-free plastic or glass face</li> <li>3. Graduated dial marked in cardinal points (North, South, West, East, Northwest, Northeast, Southwest, and Southeast).</li> <li>4. Must be branded</li> </ol>	5pcs	
28	<p><b>Pipette, Beral, 1 ml</b></p> <p><b>Functional Specifications:</b> Used to transfer/dispense liquid samples.</p> <p><b>Performance Specifications:</b> Must be able to transfer/dispense liquid sample up to a volume of 1 mL.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. One-piece pipette, made from flexible soft non-toxic plastic that has a protuberance on top that serves as liquid retention chamber</li> <li>2. Capacity: 1 mL in 0.25 mL grad interval</li> <li>3. No rubber head</li> <li>4. Total length range: 140 mm - 150 mm</li> <li>5. With molded graduations</li> </ol>	20pcs	
29	<p><b>Gloves, Hand, super nitrile</b></p>	20pcs	

	<p><b>Functional Specifications:</b> Used to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Performance Specifications:</b> Must be able to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Slightly curved fingers and forward-facing thumb correspond to the natural position of the hand (hand-shaped) .</li> <li>2. Material: Super nitrile, reusable with the following dimensions: <ol style="list-style-type: none"> <li>a) Length of gloves : 13 inches (330.2 mm ) min</li> <li>b) Thickness: 0.38 -0.52 mm (min)</li> </ol> </li> <li>3. Color : Green</li> <li>4. Size: 8</li> <li>5. Interior finish : Flocklined interior(acid/solvent resistant)</li> <li>6. Exterior finish : Smooth</li> <li>7. Cuff type: Rolled beaded</li> <li>8. Latex free to suit those with latex allergies</li> <li>9. Non-slip wear resistant high elasticity , waterproof</li> <li>10. Puncture resistant</li> <li>11. With detailed imprints on each glove, on the following: <ol style="list-style-type: none"> <li>a) the glove size/s</li> <li>b) the name of manufacturer</li> <li>c) nitrile, flocklined</li> <li>d) individual manufacturing lot</li> <li>e) with pictograms for certification category requirements CE 0334 [EN 420, EN 388, EN 374] designed for protection against mechanical risks, chemical risks, and micro-organisms</li> </ol> </li> <li>12. Individually packed in resealable plastic bag</li> <li>13. Comes with a brand</li> </ol>		
30	<p><b>Flashlight with incandescent bulb</b></p> <p><b>Functional Specifications:</b> Used to provide illumination on the surface of a globe model</p> <p><b>Performance Specifications:</b> Should be able to provide illumination on the surface of a globe model</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Powered by two (2) 1.5 volts size D dry cells; Capacity: 3 volts</li> <li>2. 7" long minimum</li> <li>3. slide switch</li> <li>5. 35 feet beam distance</li> <li>6. Body: high impact resin construction</li> <li>7. Must be branded</li> </ol>		5pcs
31	<p><b>Lamp, Desk, Heavy Base</b></p> <p><b>Functional Specifications:</b> Used to provide heat and illumination on specimen under study</p> <p><b>Performance Specifications:</b> Should be able to provide heat and illumination on specimen under study</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Heavy base, able to stand by itself</li> <li>2. 35 inches length minimum</li> <li>3. Easily adjustable to direct the light wherever you need it the most</li> <li>4. With On and Off Switch</li> <li>5. Power source: AC 220 volts line; included with 60-100 Watts Yellow Light bulb</li> <li>6. Capacity: 100 watts</li> <li>7. Preferable ungrounded plug (If the plug is grounded, an adapter should include in the item.)</li> <li>8. With English User's Manual that includes Operation Guide</li> <li>9. Should be branded</li> </ol>		5pcs

*C. Senior High School*

Item No.	Description	Quantity	Statement of Compliant
1	<p><b>Flask, Volumetric, borosilicate 250 ml</b></p> <p><b>Functional Specifications:</b> Used to measure/prepare/contain precise volume of standard solutions at a certain temperature &amp; precise dilution of solutions up to 250 mL.</p> <p><b>Performance Specifications:</b> Must be able to measure/prepare/contain a precise volume of standard solutions at certain temperature and precise dilution of solutions up to 250 mL.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape : A round or pear-shaped bulb, a long thin neck topped by a snap cap and with flat bottom</li> <li>3. Material of body: Borosilicate , clear, transparent and bubble-free glass with the following dimensions:               <ol style="list-style-type: none"> <li>a) Height: 225 mm</li> <li>b) Outside diameter : 78 mm (approx.)</li> <li>c) Size: 250 mL</li> <li>d) Tolerance: <math>\pm 0.12</math> mL</li> </ol> </li> <li>4. With heavy duty rim</li> <li>5. Comes with snap cap               <ol style="list-style-type: none"> <li>a) Material of snap cap :High density plastic (polyethylene)</li> <li>b) With octagonal grip</li> <li>c) Snap-cap : No. 250</li> <li>d) Color of snap cap: Blue</li> </ol> </li> <li>6. Must meet ASTM E- 694 for volumetric ware, ASTM E-542 calibration of volumetric ware and ASTM E-288 for volumetric flasks.</li> <li>7. Calibrated "to contain" (marked "TC" or "IN")</li> <li>8. Manufacturer should be accredited by NIST standards or equivalent to the country of origin to certify that their items are calibrated.</li> <li>9. Must be free from breakage, cracks, sharp rims and other defects</li> <li>10. Packaging : Roll up glassware in newspaper and secure with piece of masking tape and place in a bubble pouch and individually packed in a sturdy box</li> <li>11. Comes with a brand, with five (5) years existence in the glassware industry</li> </ol>	10pcs	
2	<p><b>Graduated Cylinder, borosilicate, 10 ml</b></p> <p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b> Must be able to measure and to deliver the volume of liquids up to 10 mL capacity</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Class A</li> <li>2. Shape: Narrow cylindrical container with a small turned-out lip</li> <li>3. Material: Borosilicate, clear and transparent bubble-free, glass with the following dimensions :               <ol style="list-style-type: none"> <li>a) Outside Diameter:13-14 mm</li> <li>b) Height: 177-178 mm</li> <li>c) Thickness range :1.3-1.4 mm</li> <li>d) Tolerance: <math>\pm 0.20</math></li> </ol> </li> <li>4. Capacity: 10 mL</li> <li>5. Graduation Range : 1 to 10 mL</li> <li>6. Graduation interval : 0.1 mL</li> <li>7. Calibrated to deliver (TD)</li> <li>8. All markings are in permanent white enamel</li> <li>9. With pouring spout</li> <li>10. Single metric scale, with plastic bumper guard</li> <li>11. Glass hexagonal base (non-detachable)</li> <li>12. Manufacturer of the country of origin should issue certificate of calibration for every item.</li> <li>13. Placed in bubble wrap, and packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks and sharp rim</li> <li>15. Comes with a brand, with five (5) years existence in the glassware industry</li> </ol>	10pcs	
3	<p><b>Graduated Cylinder, borosilicate, 100 ml</b></p>	10pcs	

	<p><b>Functional Specifications:</b> Used to measure and to deliver the volume of liquids</p> <p><b>Performance Specifications:</b>  a) Must be able to measure and to deliver the volume of liquids up to 100 mL capacity  b) Used as a container to determine the volume of irregularly shaped solids by water displacement</p> <p><b>Design Specifications:</b>  1. Type: Class A  2. Shape: Narrow cylindrical container with a small turned-out lip  3. Material : Bubble-free, borosilicate, clear and transparent glass with the following dimensions:  a) Outside Diameter: 29-31 mm  b) Height: 254-256 mm  c) Thickness range :1.3-1.4 mm  d) Tolerance: ± 0.60 mL  4. Capacity: 100 mL  5. Graduation range: 5 to 100 mL  6. Graduation Interval : 1 mL  7. Calibrated to deliver (TD)  8. All markings are in permanent white enamel  9. With pouring spout  10. With single graduated metric scale with plastic bumper guard  11. With glass hexagonal base (non-detachable)  12. Manufacturer of the country of origin should issue certificate of calibration for every item.  13. Placed in bubble wrap, and packed individually in a compartmentalized box  14. Must be free from breakage, cracks and sharp rim  15. Comes with a brand, with five (5) years existence in the glass industry</p>		
4	<p><b>Thermometer, Laboratory type, Alcohol, -200C to 1100C</b></p> <p><b>Functional Specifications:</b> Used to measure the temperature</p> <p><b>Performance Specifications:</b> Must measure the temperature , -20° to 110°C</p> <p><b>Design Specifications:</b>  1. Type: Alcohol filled, partial immersion thermometer  2. Shape : A small sealed tube made of glass that has a small hollow bulb filled partly with ethanol and partly with nitrogen and ethanol vapors on one end and a thin capillary opening running through the length of its center  3. Material : Glass  4. Color: White  5. Non-toxic red-filled thermometer  6. Partial immersion type with immersion line indicator and ring top  7. With precision red alcohol-filled, reinforced bulbs, and with expansion chamber  8. With white back with non-roll sleeve  9. With clear and permanent markings; scale never washes out  10. Provided with non-roll plastic case  11. With continuous alcohol column  12. Dimensions:  13. Range: -20°C to 110°C  14. Division: 1°C  15. Length: 300 mm (minimum)  16. Accuracy: ± 1° C  17. Diameter: 5.8 to 6.2 mm  18. Immersion line : 76 mm  19. Manufacturer of the country of origin should issue certificate of calibration for every item.  20. Must be free from breakage , cracks, chipped and sharp edges and other defects  21. Comes with a brand</p>	10pcs	
5	<p><b>Universal H Paper, pH 0-14, 100 strips/pack</b></p> <p><b>Functional Specifications:</b> Used as an indicator to determine/measure the pH of substances, whether it is an acid, neutral or a base</p> <p><b>Performance Specifications:</b> 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</p> <p><b>Design Specifications:</b>  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</p>	10packs	

6	<p>Filter Paper, crepe, 580mm x 580 mm sheet, Grade 0905</p> <p><b>Functional Specifications:</b> Used to filter/separate mixtures solids from liquids</p> <p><b>Performance Specifications:</b> Must be able to filter solids from liquids to demonstrate filtration, as one of the techniques in separating mixtures (solids from liquids)</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Technical use</li> <li>2. Shape of filter paper : Square</li> <li>3. Material: Cellulose with the following dimensions: <ol style="list-style-type: none"> <li>a) Length: 580 mm</li> <li>b) Width : 580 mm</li> </ol> </li> <li>4. Color: White to cream</li> <li>5. Grade: 0905</li> <li>6. Surface: Creped</li> <li>7 Initial Filtration Speed: 20 sec (<math>\pm</math> 1 sec)/10 mL; Flow rate: High</li> <li>8. Wet strengthened</li> <li>9. Packed in brown filter paper tube</li> <li>10. Comes with a brand</li> </ol>	10 sheets	
7	<p>Triangular File, fine, 6-inch long, with plastic handle</p> <p><b>Functional Specifications:</b> Used to cut the glass tubing</p> <p><b>Performance Specifications:</b> Must be able to cut the glass tubing</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type of file: Triangular</li> <li>2. Shape: Triangular</li> <li>3. Material: High carbon steel</li> <li>4. Kind of file: Fine, smooth</li> <li>5. Length of file: 6" (150-152.4 mm) long</li> <li>6. Material of handle: Plastic</li> <li>7. Packed in a resealable pouch</li> <li>8. Comes with a brand</li> </ol>	10pcs	
8	<p>Beaker, borosilicate, 250 ml</p> <p><b>Functional Specifications:</b> Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 150°C for normal, standard use service</p> <p><b>Performance Specifications:</b> 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 150°C for normal, standard use service</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type : Griffin, low form</li> <li>2. Shape: Cylindrical container with straight sides, a flat bottom, and with a small spout (or "beak") to aid pouring</li> <li>3. Material: Borosilicate, clear and transparent bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter: 68 mm to 70mm</li> <li>b) Height: 90 mm to 92 mm</li> <li>c) Thickness: 1.5 mm to 2.0 mm</li> </ol> </li> <li>4. With permanent white enamel graduations of approximate volumes, inscriptions and markings enameled onto the glass</li> <li>5. With large white marking spot</li> <li>6. Features an easy-pour spout</li> <li>7. "With double graduated metric scale "</li> <li>8. Capacity: 250 mL <math>\pm</math>5% etched onto the glass."</li> <li>9. With marking graduation to fill: starts at 25 mL in 25mL increments</li> <li>10. With marking graduation to empty: starts at 0 mL in 25 mL increments</li> <li>11 Graduation interval: 25 mL</li> <li>12. Graduation range: 25 mL to 200 mL</li> <li>13. Wrapped in paper, enclosed in bubble wrap and packed individually in compartmentalized box</li> <li>14. Can withstand heating up to 200-230°C for normal, standard use service</li> <li>15. Must be free from breakage, cracks, chipped rims and other defects</li> <li>16. Comes with a brand of five (5) years existence in the glasswares industry</li> </ol>	10pcs	

9	<p><b>Beaker, borosilicate, 500 ml</b></p> <p><b>Functional Specifications:</b>  a) Used to contain/hold/prepare solids and liquids during chemical reaction and to heat them over a Bunsen burner's flame up to 150°C for normal, standard use service and  b) to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</p> <p><b>Performance Specifications:</b>  a) Must be able to contain/hold /prepare solids and liquids during chemical reaction and heats them over a Bunsen burner's flame up to 150°C for normal, standard use service and to serve as a water bath  b) to serve as a water bath when heating flammable chemicals instead of an open flame to prevent ignition.</p> <p><b>Design Specifications:</b> 1. Type: Borosilicate, tall form  2. Shape: Cylindrical container with straight sides, a flat bottom, with a small spout (or "beak") to aid pouring  3. Material : Borosilicate, clear, bubble free glass , Borosilicate, tall form with the following dimensions:  a) Outside Diameter Range :75 mm- 80 mm  b) Height range: 136 mm -140 mm  c) Thickness : 1.5 mm to 2.0 mm  4. Capacity :500 mL ; ± 5% etched/embossed onto the glass  5. With permanent white enamel graduations of approximate volumes, inscriptions and  6. With large white marking spot  7. With easy pour spout  8. Double graduated metric scale  9. Marked to fill: Graduation starts at 50 mL in 50 mL increments  10. Marked to empty: Graduation starts at 0 mL in 50 mL increments  11. Can withstand heating up to 200-230°C for normal, standard use service  12. Wrapped in paper, enclosed in bubble wrap and packed individually in a compartmentalized box  13. Must be free from breakage, cracks , chipped rims and other defects  14. Comes with a brand, with five (5) years existence in the glass wares industry.</p>	10pcs	
10	<p><b>Burner, Alcohol, lass, 150 ml Capacity</b></p> <p><b>Functional Specifications:</b> Used to produce hot, consistent open flame for slow/gentle heating of glasswares and substances</p> <p><b>Performance Specifications:</b>  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 metalloids ion based on the characteristic color the chemical/salt emits on the Bunsen flame to investigate reactions of ions and apply these in qualitative analysis through an activity, on Flame Test  d) bend a glass tubing  e) heat, to sterilize, to accelerate, and to trigger chemical reactions,  f) for combustion purposes and techniques</p> <p><b>Design Specifications:</b>  1. Shape : A globe-shaped body and flat base (bottom) with threaded mouth  2. Material: Study, heavy walled, clear, transparent, bubble-free glass with the following dimensions  a) Outside Diameter : 80 mm to 85 mm  b) Total height: 100 mm to 105 mm  3. Capacity : 150 mL  4. With 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: Braided  c) Length: 7 inches (178 mm) min  d) Diameter: 3/16 inches (5-6 mm)  6. With snuff/snap-on cover/cap  7. With ten (10) pc replacement braided cotton fiber/strand wicks  8. Wrapped in paper , enclosed in bubble wrap and packed in compartmentalized box  9. Must be free from breakage, cracks , chipped rims and other defects  10. Comes with a brand</p>	10pcs	
11	<p><b>Dish, Evaporating, 75 ml</b></p>	10pcs	

	<p><b>Functional Specifications:</b> Used to contain/hold substances and to heat chemical solutions gradually, driving off the water to leave residual chemical solute</p> <p><b>Performance Specifications:</b> 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</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Deep form, broad, and wider at the top than bottom and with round bottom with pouring lip/spout</li> <li>2. Material : Porcelain, with the following dimensions:             <ol style="list-style-type: none"> <li>a) Diameter: 80-82 mm</li> <li>b) Height/depth : 30-34 mm high</li> </ol> </li> <li>3.Capacity: 75 mL</li> <li>4. With pouring lip/spout</li> <li>5. Can withstand temperatures up to 1150°C</li> <li>6. Uniformly glazed inside (except for rim) and partly uniformly glazed outside except bottom surface.</li> <li>7. Must be free from breakage, cracks, chipped rims and other defects</li> <li>8. Wrapped in paper, and packed in a sturdy box</li> <li>9. Comes with a brand</li> </ol>		
12	<p><b>Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 ml</b></p> <p><b>Functional Specifications:</b> Used to :</p> <ol style="list-style-type: none"> <li>a) contain/hold a small chemical reaction,</li> <li>b) mix solids and liquids,</li> <li>c) heat substances over a Bunsen/alcohol burner's flame up to over 150 °C or</li> <li>d) collect them in a titration/distillation experiment</li> </ol> <p><b>Performance Specifications:</b> Must be able to:</p> <ol style="list-style-type: none"> <li>a) contain/hold a small chemical reaction ,</li> <li>b) mixes solids and liquids during chemical reaction,</li> <li>c) heats substances up to 150°C over a Bunsen burner's flame up to 250 mL, or</li> <li>d) serves as a reaction vessel in a titration experiment, and to collect distillate during distillation</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape : A conical body, a cylindrical short neck , narrow mouth, with sloping sides, and with a flat bottom</li> <li>2. Material : Clear, and transparent bubble-free, borosilicate, glass with the following dimensions:             <ol style="list-style-type: none"> <li>a) Outside diameter range :80 m -82 mm</li> <li>b) Height range: 130-132 mm</li> <li>c) Thickness range :1.5 to 2.0 mm</li> <li>d) Neck inside diameter range : 28 to 30 mm</li> <li>e) Tolerance : ±6% and other inscriptions enamelled onto the glass</li> </ol> </li> <li>3. Capacity: 250 mL capacity</li> <li>4. Graduation range: 50 mL-200 mL</li> <li>5. Graduation interval: 25 mL</li> <li>6. Graduation starts at: 50 mL in 25 mL increments</li> <li>7. With uniform wall thickness</li> <li>8. With heavy duty beaded rim</li> <li>9. With permanent durable white enamel graduations with large, white enamel marking spot</li> <li>10. Can withstand heating up to 150°C for normal, standard use service</li> <li>11. Wrapped in paper and individually packed in a compartmentalized box</li> <li>12. Must be free from breakage, cracks, chipped rims and other defects</li> <li>13. Comes with a brand with five (5) years of existence in the glass wares industry</li> </ol>	10pcs	

13	<p><b>Mortar and Pestle, porcelain, 150 ml</b></p> <p><b>Functional Specifications:</b> Used to pulverize/mash/grind and to mix materials in a mortar using a pestle</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b>  <b>A. Mortar</b>  1. Shape of mortar : 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 mm ± 1 mm  b) Depth : 65 mm  c) Flat bottom : 87 mm  3. Capacity: 150 ml  4. With pouring lip  5. With unglazed grinding surface (interior) and uniformly glazed exterior  <b>B. Pestle:</b>  6. Shape of pestle: Cylindrical awith bulbous bottom with the following dimensions:  a) Length range: 133-135 mm and  b) Diameter range : 28 - 30 mm dia 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 parts and other defects  11. Comes with a brand</p>	10pcs	
14	<p><b>Rubber Stopper #6 for Erlenmeyer Flask narrow-mouth 250 ml, 2 holes</b></p> <p><b>Functional Specifications:</b> Used to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction .to prevent leaks, hazards and contamination.</p> <p><b>Performance Specifications:</b> Must be able to seal the openings of narrow mouth 250 mL Erlenmeyer flasks and other laboratory glassware that require a tighter seal or a greater degree of chemical resistance .with one (1) hole opening for insertion of a thermometer, glass tubing or stirrer for use during chemical reaction to prevent leaks, hazards and contamination.</p> <p><b>Design Specifications:</b>  1. Shape: Cylindrical with a tapered bottom end  2. Material : Premium grade SBR black rubber compound with the following dimensions:  a) Height: 25 mm  b) Top Ø: 32 mm  c) Bottom Ø : 26 mm  d) Hole Ø: 5 mm  3. Number of holes :With one (1) hole  4. Dimension tolerance on height, top and bottom diameter : ± 0.5 mm  5. Hardness : 40 ± 5 Duro  6. Packed in resealable plastic bag  7. Comes with a brand</p>	5pcs	
15	<p><b>Test tube brush</b></p> <p><b>Functional Specifications:</b> Used to clean test tubes and other small sized glasswares</p> <p><b>Performance Specifications:</b> 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.</p> <p><b>Design Specifications:</b>  1. Shape of bristles: Radial tufted tip bristles and brush head to make complete contact with walls, corners and bottom.  2. Material of bristles: Medium stiff nylon with the following dimensions:  a) Diameter: 17-19 mm  b) Length: 96-98 mm  c) Over-all length: 220-229 mm  3. Material of handle: Galvanized steel wire  4. Type of wire handle : Common loop twisted wire  5. With circular loop,for hanging  6. Packed in a resealable plastic bag  7. Must be free from sharp metal parts  8. Comes with a brand</p>	5pcs	
16	<p><b>Test Tube, borosilicate, 16 mm x 150 mm Ion</b></p>	10pcs	



	<p><b>Functional Specifications:</b> Used to contain/hold a small chemical reaction , to mix small quantities of solids and liquids, and to heat small quantities of substances</p> <p><b>Performance Specifications:</b> Must be able to contain/hold a small chemical reaction and , mixes solids and liquids, heats small quantity of substances up to more than 100°C over a Bunsen burner's flame</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape : Fingerlike length of glass tubing, open at the top, usually with a rounded lip at the top, and a rounded 'U' shaped bottom</li> <li>2. Material of test tube: Borosilicate , clear, transparent and bubble-free, glass, with rim with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 16 mm diameter</li> <li>b) Thickness :1.3 -1.4 mm</li> <li>c) Length: 150 mm long</li> </ol> </li> <li>3. Capacity : 20 mL</li> <li>4. With heavy uniform wall thickness, excellent heat resistance</li> <li>5. Test tubes must be reusable (not disposable)</li> <li>6. With large, white enamel marking spot</li> <li>7. With permanent graduation of approx. volume and inscriptions in high contrast white enamel.</li> <li>8. Can withstand heating up to 150°C for normal, standard use service</li> <li>9. Comes with a certification from the manufacturer that the test tube is reusable not disposable</li> <li>10. Wrapped individually in tissue paper, enclosed in bubble wrap and packed in compartmentalized box</li> <li>11. Must be free from breakage, cracks, chipped rims and other defects</li> <li>12. Comes with a brand with five (5) years of existence in the glass wares Industry</li> </ol>		
17	<p><b>Vial, screw-neck, 50 ml with screw-type plastic cap)</b></p> <p><b>Functional Specifications:</b> Used to hold/contain/store/mix small quantities of samples/ solutions/ substances up to 50 mL</p> <p><b>Performance Specifications:</b> Must be able to hold/contain/store/mix samples/solutions/substances up to 50 mL</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Type: Wide mouth</li> <li>2. Shape : Bottle-like shape with a threaded neck, screw cap polypropylene closure and with a flat bottom</li> <li>3. Material : Borosilicate,clear, transparent, and bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Outside Diameter : 25 mm to 30 mm</li> <li>b) Length: 100 mm to 108 mm</li> </ol> </li> <li>4. Capacity: 50 mL With screw- type plastic cap</li> <li>5. Shape of neck : Cylindrical, round</li> <li>6. Neck finish: Continuous thread</li> <li>7. Cap Color: Black/White</li> <li>8. Cap Attached: No</li> <li>9. Cap Material : Polypropylene (plastic)</li> <li>10. Closure style : Solid top, screw thread cap</li> <li>11. Neck size: 24-400</li> <li>12. Cap liner: Foam lined</li> <li>13. Packed individually in a compartmentalized box</li> <li>14. Must be free from breakage, cracks , chipped rims and other defects</li> <li>15. Comes with a brand</li> </ol>	5pcs	
18	<p><b>Watch Glass, Ø 90 mm</b></p> <p><b>Functional Specifications:</b> Used to:</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporates solvents in a sample and</li> <li>c) holds/contains liquids and solids prior to heating.</li> </ol> <p><b>Performance Specifications:</b> Must be able to</p> <ol style="list-style-type: none"> <li>a) cover glasswares like beakers</li> <li>b) evaporate solvents in a sample and</li> <li>c) hold/contain liquids and solids prior to heating.</li> </ol> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Circular concave</li> <li>2. Material : Borosilicate, clear and bubble-free glass with the following dimensions: <ol style="list-style-type: none"> <li>a) Diameter: 90 mm ± 1 mm</li> <li>b) Thickness range : 1.5 mm to 2 mm</li> </ol> </li> <li>3. Fire-polished rims/edge.</li> <li>4. Individually wrapped in used newspaper, enclosed in a bubble wrap, and packed in a sturdy box</li> <li>5. Must be free from breakage, cracks, chipped edges and other defects</li> <li>6. Comes with a brand</li> </ol>	5pcs	
19	Set of Tools: Ball Peen Hammer, handle length is 11-	10	sets

	<p>inch, 350g approx. weight, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to peen dent surfaces in metals</p> <p><b>Performance Specifications:</b> Should be able to to peen dent surfaces in metals</p> <p><b>Design Specifications:</b> Ball Peen Hammer, handle length 11 inches, 350 grams gross weight approx., 1 pc. /set</p> <p>Set of Tools: Long Nose Pliers, 6-inch, 1 pair/set</p> <p><b>Functional Specifications:</b> Used to bend tiny solid wire connectors</p> <p><b>Performance Specifications:</b> Should be able to bend tiny solid wire connectors</p> <p><b>Design Specifications:</b> Long Nose Pliers with side cutter, 6 inches long, chrome vanadium material, 1 pair/set</p> <p>Set of Tools: Mechanical Wire Cutter and Pliers, 6.5-inch, 1 pair/set</p> <p><b>Functional Specifications:</b> Used to bend large wires</p> <p><b>Performance Specifications:</b> Should be able to bend large wires</p> <p><b>Design Specifications:</b> Mechanical-Wire Cutter and Pliers, 6 1/2 inches, chrome vanadium material, 1 pair/set</p> <p>Set of Tools: Precision Screwdrivers Set, 6 pcs/set, with plastic casing, 1 set/set</p> <p><b>Functional Specifications:</b> Used to drive precision screws</p> <p><b>Performance Specifications:</b> Should be able to to drive precision screws</p> <p><b>Design Specifications:</b> Precision Screwdrivers Set, 6 pc. (3 phillips, 3 flats)/set, with plastic casing, 1 set</p> <p>Set of Tools: Screwdriver, flat, 6-inch, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to drive flat head screws</p> <p><b>Performance Specifications:</b> Should be able to drive flat head screws</p> <p><b>Design Specifications:</b> Screwdriver flat, 3/16 inches tip width x 6 inches long, chrome vanadium material, 1 pc. /set;</p> <p>Set of Tools: Screwdriver, Phillips, 6-inch, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to drive phillips type screws</p> <p><b>Performance Specifications:</b> Should be able to drive phillips type screws</p> <p><b>Design Specifications:</b> Screwdriver, Phillips, Point size blade #3 x 6" long, chrome vanadium material, 1 pc/set;</p> <p>Set of Tools: Soldering Iron, 60 watts, 1 pc/set</p> <p><b>Functional Specifications:</b> Used to heat electrical contacts for permanent joints</p> <p><b>Performance Specifications:</b> Should be able to heat electrical contacts for permanent joints</p> <p><b>Design Specifications:</b> Soldering Iron, 60 watts, small type, wooden handle, 1 pc. /set;</p> <p>Set of Tools: Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool, 1 spool/set</p>	each	
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	<p><b>Functional Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Performance Specifications:</b> Used to provided permanent joint for different electrical components</p> <p><b>Design Specifications:</b> Soldering Lead, Ø 1 mm, Grade 60/40, weight: 1 lb./spool, 1 spool/set</p> <p>Set of Tools: Soldering Paste, 50 grams/can, 1 can/set</p> <p><b>Functional Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Performance Specifications:</b> Used to provide better adhesion of solder lead to electrical joints</p> <p><b>Design Specifications:</b> Soldering Paste, all purpose flux, non-corrosive, 50 grams/can, 1 can/set;</p> <p>Set of Tools: Tweezers, stainless steel, with curved tips, 6.5-inch long, 1 pair/set</p> <p><b>Functional Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Performance Specifications:</b> Used to hold and pick tiny electronics components</p> <p><b>Design Specifications:</b> Tweezers, stainless steel, with curved tips, 6 1/2 inches long, 1 pair/set;</p>		
20	<p>Pipette, Beral, 1 ml</p> <p><b>Functional Specifications:</b> Used to transfer/dispense liquid samples.</p> <p><b>Performance Specifications:</b> Must be able to transfer/dispense liquid sample up to a volume of 1 mL.</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. One-piece pipette, made from flexible soft non-toxic plastic that has a protuberance on top that serves as liquid retention chamber</li> <li>2. Capacity: 1 mL in 0.25 mL grad interval</li> <li>3. No rubber head</li> <li>4. Total length range: 140 mm - 150 mm</li> <li>5. With molded graduations</li> </ol>	5pcs	5pcs
21	Gloves, Hand, super nitrile	5pairs	5pairs

	<p><b>Functional Specifications:</b> Used to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Performance Specifications:</b> Must be able to protect hands against mechanical risks, microorganisms, chemical burns and splashes</p> <p><b>Design Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Shape: Slightly curved fingers and forward-facing thumb correspond to the natural position of the hand (hand-shaped) .</li> <li>2. Material: Super nitrile, reusable with the following dimensions: <ol style="list-style-type: none"> <li>a) Length of gloves : 13 inches (330.2 mm ) min</li> <li>b) Thickness: 0.38 -0.52 mm (min)</li> </ol> </li> <li>3. Color : Green</li> <li>4. Size: 8</li> <li>5. Interior finish : Flocklined interior(acid/solvent resistant)</li> <li>6. Exterior finish : Smooth</li> <li>7. Cuff type: Rolled beaded</li> <li>8. Latex free to suit those with latex allergies</li> <li>9. Non-slip wear resistant high elasticity , waterproof</li> <li>10. Puncture resistant</li> <li>11. With detailed imprints on each glove, on the following: <ol style="list-style-type: none"> <li>a) the glove size/s</li> <li>b) the name of manufacturer</li> <li>c) nitrile, flocklined</li> <li>d) individual manufacturing lot</li> <li>e) with pictograms for certification category requirements CE 0334 (EN 420, EN 388, EN 374) designed for protection against mechanical risks, chemical risks, and micro-organisms</li> </ol> </li> <li>12. Individually packed in resealable plastic bag</li> <li>13. Comes with a brand</li> </ol>			
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### MANNER OF PAYMENT

The Supplier shall bill DepEd Cebu City Division upon delivery of all requested goods/items. For this purpose, the Supplier shall issue Delivery Receipt. Non-compliance thereon gives DepED Cebu City Division the right to disallow payment of the bill; and any falsehood or misrepresentation in the certification shall constitute breach of the Contract, which is a ground for termination thereof.

I hereby commit to comply with all the above requirements.

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of Bidder

\_\_\_\_\_  
Date

**Technical Specifications**  
**(Re-Bidding) Supply and Delivery of Mathematics Learning Tools**  
**and Equipment**  
**Lot 2**

Item No.	Description	Quantity	Statement of Compliant
1	<p>Meterstick, Plastic</p> <ol style="list-style-type: none"> <li>1. Material: Plastic;</li> <li>2. Thickness: 6 mm (minimum);</li> <li>3. Width: 24 mm (minimum);</li> <li>4. Length: 1,000 mm;</li> <li>5. The front is scaled in centimeters, numbered in every centimeter with 0.1 cm (or 1 mm) divisions;</li> <li>6. The back is scaled in inches, numbered in every inch with 1/8 inch divisions;</li> <li>7. The numbers and division lines are in dark color;</li> <li>8. Must be straight and flat; and free from toxic materials;</li> <li>9. Edges and Surfaces should be smooth and even;</li> <li>10. Comes with plastic jacket;</li> <li>11. Standard abbreviation of the measurement unit/s must be followed; and</li> </ol>	130pcs	
2	<p>Protractor ( for student)</p> <ol style="list-style-type: none"> <li>1. Protractor, student-type, plastic, transparent, semi-circular, 180°;</li> <li>2. Ø150mm (or 75mm radius), 1mm thick (minimum);</li> <li>3. Angular graduations are in degrees, from 0° to 180°. With two (2) sets of numerals, one reading clockwise and the other reading counterclockwise;</li> <li>4. Linear graduations are in millimeters, from 0 to 100mm;</li> <li>5. With a hole at vertex point enough for a fine string to pass through it;</li> <li>6. Plastic Surface Finish: Smooth, clear, and free from scratches;</li> <li>7. It must be horizontally level when laid flat on a table - no warping;</li> <li>8. Comes with a plastic case; and</li> </ol>	585pcs	
3	<p>Ruler, Plastic, 12 inches or 30 cm</p> <ol style="list-style-type: none"> <li>1. Ruler, plastic, transparent, smooth surface, and 1 mm thick (minimum);</li> <li>2. Approximate Width x Length: 28 mm x 314 mm;</li> <li>3. Graduations: Metric graduations on one side while English graduations on the other side: <ul style="list-style-type: none"> <li>*Metric graduations are in centimeters, from 0 cm to 30 cm, with every cm subdivided by 10.</li> <li>*English graduations are in inches, from 0 inches to 12 inches, with every inch subdivided by 16.</li> </ul> </li> <li>4. Clear, readable black, non-groove permanent prints (will not fade and cannot be scratched off);</li> <li>5. Bendable up to U-shape when held at both ends; and</li> <li>6. The item shall be free from toxic materials.</li> </ol>	585pcs	
4	<p>Tape Measure , 1.5 Meters</p> <ol style="list-style-type: none"> <li>1. Tape Measure, 12 mm width x 1.5 meter long</li> <li>2. Made of flexible fiberglass fabric with metal end pieces</li> <li>3. Color: White with black graduation markings</li> <li>4. Graduation: in cm on one side and inches on the other side, smallest graduation in mm, on the opposite side in 1/16 of an inch</li> <li>5. Comes with a plastic case.</li> </ol>	585pcs	

5	<b>Calculator, Scientific</b> 1. Display: LCD, 2 line(s) X 10 characters (minimum), stably shows input-expressions/equation, calculation result, and various indicators; 2. Built-in functions not less than 240 inclusion of the following: a) Basic Calculations: arithmetic, fraction, percentage, degrees, minutes, seconds, radian (including conversion of the mentioned Basic Calculations); b) Memory calculation, Logarithm and Hyperbolic functions; c) Statistical functions (e.g.: Statistical relationships, standard deviation, Permutation, Combination, etc.); and d) Trigonometric functions: sin, cos, tan, sin-1, cos-1, tan-1; 3. Basic keys and function keys are labeled permanently (resistant to finger rub and light acid (vinegar) contamination) and operates as such correspondingly; 4. Power requirement: two way dual (battery, built-in solar system), the unit consistently operational after replacing the battery for three trials, its solar system powers the unit normally in a well lit room without the battery; 5. Brand must be established in providing quality products for five (5) years and up.	130pcs	
6	<b>Stopwatch, digital</b> 1. Digital type, water-resistant (5-bar) 2. Start, stop, and re-set operations 3. Display Number: 4mm W x 10mm H 4. Measure Unit: 1/100th of a second 5. Working Range: up to 23hr 59min 59sec 6. Individually and properly packed in a box. 7. Instruction Manual in English 8. Approximate W x H x T: 60mm x 67mm x 20mm 9. Ready to use and comes with extra batteries.	29pcs	

**MANNER OF PAYMENT**

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I hereby commit to comply with all the above requirements.

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of Bidder

\_\_\_\_\_  
Date

**Technical Specifications**  
**(Re-Bidding) Supply and Delivery of TVL Learning Tools and**  
**Equipment**  
**Lot 3**

**A. SMAW**

Item No.	Description	Quantity	Statement of Compliant
1	TIG/MIG/ ARC 3 in 1 Welding Machine with complete nozzle accessories, inverter, 300A, with snap and grip	4 sets	
2	ARGON Tank with regulator (with content), 9" in diameter, 300 CF, 100lbs when empty	2 sets	
3	Mechanical Pliers Tong	10 pcs	
4	Ball Deen Hammer 10 Oz'	10 pcs	
5	Tinner Snips 14"	10 pcs	
6	Pipe Wrench 14"	10 pcs	
7	Oxygen Acetylene Tank with content, 50 lbs, 9" diameter, 12 cubic ft, with complete accessories and regulator	2 sets	
8	SMART TV 55" Specification: 55" Smart UHD 4K Ultra High Definition (UHD) 3840x2160; 4K AI Upscaler; 4K HDR10	2 units	

**B. Electronics**

Item No.	Description	Quantity	Statement of Compliant
1	Hot air Rework soldering station Specification: Hot Air SMD Rework Soldering Station Work environment 0-40; Temperature range 100-500; Gas flow 120L/min (max)	4 units	
2	SMART TV 55" 55" Smart UHD 4K Ultra High Definition (UHD) 3840x2160; 4K AI Upscaler; 4K HDR10	1 unit	
3	Digital Multi-tester Specification: Digital Tester Meter, 800A, 4000 counts Multimeter, AC/DC Voltage Resistance, powered by 2 pcs 1.5V AA batteries (included)	4 units	
4	Drill Specification: Professional Cordless 12Volts Portable Drill Heavy Duty, 1 Battery + BMC Box, Extra 32 Accessories with carrying hardcase	2 units	
5	Blower Specification: Blower Power Tool, 220 V Heavy Duty Leaf Air Blower with dust bag and	2 units	

	accessories set, 820 W		
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### C. Housekeeping

Item No.	Description	Quantity	Statement of Compliant
1	Coffee Maker Specifications: 1000W, 230V, Aluminum, 175 x 275 x 323mm, 1.5kg	1 unit	
2	Electric kettle Specifications: 1400W, 230V, 150 x 110 x 220mm, Inner material: Aluminum, Housing Material: Plastic	1 unit	
3	Carpet sweeper Specifications: All-in-One Sweep Drag Household Hand Push 360 Degree Rotating Sweeping Broom, Room and Office Floor Sweeper Cleaner Dust Mop	2 units	
4	Vacuum cleaner (dry and wet) Specifications: 1400W Flexio Power wet and dry vacuum cleaner, 3- in-1 vacuum with wet, dry and blow functions. Accessories stored on board for efficient, easy access. 360° rotation for ease of use and stable handling. Accessories included: 3	1 unit	
5	Polisher (electric with complete accessories) Specifications: Specifications: Size: 16 Inches (406) Underside Size: 40.6 cm with Bumper Handle Size: 1m Adjustable Stainless Tube Cord: 13.5 Meters Royal Cord Motor: 3/4 HP 220V 60 Cycles Brush Speed: 175 RPM Consumption: 0.559kw/559 watts	1 unit	
6	Washer with dryer Specifications: 8.0kg washing capacity / 4.6kg spin dry capacity 15 minutes wash timer 5 minutes spin dry timer 2 washing programs (gentle and soft) Drain selector Detachable wash tub cover Water inlet access in wash tub and spin dry tub Lint filter Wash - 370 watts Spin - 135 watts IP x 4 Ingress Protection Rating LXWXH: 83 x 47 x 86 cm	1 unit	
7	Flat iron Specifications: With pilot lamp indicator	2 unit	



	With thermal fuse protection Easy temperature settings		
8	<p>Ironing Board</p> <p>Specifications:</p> <ul style="list-style-type: none"> <li>*Size: Small, Medium, Large</li> <li>*L: 12" W: 12" H: 46" [Small and Medium Folded]</li> <li>*L: 12.25" W: 14" H" 49" [Large Folded]</li> <li>*HEIGHT (IN USE) 30"/32"/33.5"</li> <li>*BOARD SIZE: (LENGTH) SMALL: 29.5"; MEDIUM: 35"; LARGE: 39.5"</li> <li>*IRONING BOARD SPAN (IN USE) S: 37"; M: 42"; L: 49"</li> <li>*Collapsible feature for easy storage</li> <li>*Material: Steel Tubes, Particle Board, Pongee Fabric</li> <li>*PolyEthylene (PE) coated finish for long lasting color</li> </ul>	2 unit	
9	<p>Steam pressers Specifications:</p> <p>Lightweight &amp; portable, small size for one hand to hold.</p> <ul style="list-style-type: none"> <li>- Adopts SteamPlus technology, 1200W powerful steam, care of the clothes and effectively removing the wrinkle of clothes.</li> <li>- Highly efficient penetration into clothing, 22g/min steam with high temperature and pressure for 7-8 minutes ironing.</li> <li>- Equipped with aluminum alloy steam nozzle, ceramic glaze and anion panel for secondary heating, the cleaner can make more strong steam.</li> <li>- Micro pressurized steam, not easily leaking water, fast steam output, further spray distance, wide steam coverage.</li> </ul>	2 unit	

#### D. SMAW

Item No.	Description	Quantity	Statement of Compliant
1	Tape Measure plastic, tape measure	10pcs	
2	Hip Curve wooden, hip curve	10pcs	
3	Meter Stick wooden, meter stick	10pcs	
4	French Curve wooden, french curve	10pcs	
5	Pinking Shears Size:24*9cm (approx)	10pcs	
6	Scissors Sharp Stainless Steel Tailor Scissors with Cover Heavy Duty Sewing Fabric Scissors	10pcs	
7	Cutting Shears Soft-grip handles for comfortable use; can be used left-	10pcs	

	or right-handed. Perfect for the home or the office. For cutting paper, cardboard, fabric, photos, and more. Material: Stainless Steel Quality: Top high-quality		
8	L-Square wooden, L square	10pcs	
9	Transparent Ruler with grid	10pcs	
10	Basin and Pail multipurpose, LARGE: 28*12cm	10pcs	
11	Sewing Box with kit Sewing Kit Needle Box Set 10 in1 Household Sewing Tools Portable Sewing Kit	10pcs	
12	Tracing Wheel plastic, tracing whell	10pcs	
13	Hanger plastic hanger	10pcs	
14	Screw Driver Flat (medium)	10pcs	
15	Screwdriver Flat (Small)	10pcs	
16	Triangle 16" 45" x90"	10pcs	
17	Hand Spray plastic, hand spray	10pcs	
18	Seam Ripper Plastic Body with Cap Cutlery Steel - Long Lasting Sharpness Plastic Ball on Short Finger to protect fabric	10pcs	
19	Working Table 8' Folding TableSeats up to 10 Adults661 lb. Static Load Capacity1.75" Thick Granite White Top is waterproof, impact and stain resistantGray Powder Coated Locking Legs with protective floor capsLegs fold underneath top for flat storage	2 pcs	

#### MANNER OF PAYMENT

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I hereby commit to comply with all the above requirements.

\_\_\_\_\_  
Name of Company/Bidder

\_\_\_\_\_  
Signature over Printed Name of Bidder

\_\_\_\_\_  
Date

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR; (new and revised/updated as per GPBB Resolution No. 15 s. 2021)

#### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid
  - a. copies of the corresponding notices of award and/or notices to proceed and/or contracts/purchase order; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; and
  - a. Must indicate a single contract, similar to the contract to be bid, in an amount equivalent to at least fifty percent (50%) of the ABC to be bid pursuant to Section III, BDS Clause 5.4; or
  - b. Completed at least two (2) similar contracts, the aggregate amount of which should be equivalent to at least fifty percent (50%) in the case of Non-Expendable Supplies of the ABC for this Project; and the largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.
  - c. Submit also the following inside this envelope:
    - c. 1 copy of the corresponding notice of award or notice to proceed/purchase order/ contract; and
    - c. 2 end user's acceptance or official receipt(s) or sales invoice issued for the contract.
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; or Original copy of Notarized Bid Securing Declaration; and
- (e) \*Conformity with the Technical Specifications (Section VII), and \*Conformity with the Schedule of Requirements (Section VI)

- (f) Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- (g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC); or A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

*Class "B" Documents*

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

**II. FINANCIAL COMPONENT ENVELOPE**

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

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

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

Sample Form or Template of the following documents is provided in Section VIII of this bidding documents, to wit:

- Bid Form;
- Bid Securing Declaration;
- Price Schedule for Goods offered from within the Philippines;
- Price Schedule for Goods offered from Abroad;
- Contract Agreement Form for the Procurement of Goods;
- Omnibus Sworn Statement
- Performance Securing Declaration;

**APPENDIX “1”**  
**Bid Form for the Procurement of Goods**

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**BID FORM**

Date : \_\_\_\_\_  
Project Identification No. : \_\_\_\_\_

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

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

If our Bid is accepted, we undertake:

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

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

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

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

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

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

Name: \_\_\_\_\_

Legal capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_

**Price Schedule for Goods Offered from Within the Philippines**  
*[shall be submitted with the Bid if bidder is offering goods from within the Philippines]*

---

**For Goods Offered from Within the Philippines**

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ Page \_\_\_ of \_\_\_

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

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

# *Price Schedule for Goods Offered from Abroad*

*[shall be submitted with the Bid if bidder is offering goods from Abroad]*

---

## *For Goods Offered from Abroad*

Name of Bidder \_\_\_\_\_ Project ID No. \_\_\_\_\_ Page \_\_\_ of \_\_\_

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

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

## Bid Securing Declaration Form

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_) S.S.

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

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

I/We, the undersigned, declare that:

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

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

*[Insert NAME OF BIDDER OR ITS AUTHORIZED  
REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

**[Jurat]**

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



## Contract Agreement Form for the Procurement of Goods (Revised)

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### CONTRACT AGREEMENT

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
  - i. Philippine Bidding Documents (PBDs);
    - i. Schedule of Requirements;
    - ii. Technical Specifications;
    - iii. General and Special Conditions of Contract; and
    - iv. Supplemental or Bid Bulletins, if any
  - ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;  
  
Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
  - iii. Performance Security;
  - iv. Notice of Award of Contract; and the Bidder’s conforme thereto; and
  - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

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

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

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

*for:*

*for:*

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

**Acknowledgment**

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

## Omnibus Sworn Statement (Revised)

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REPUBLIC OF THE PHILIPPINES )  
CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

### AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
  - a. Carefully examining all of the Bidding Documents;
  - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
  - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
  - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this \_\_\_ day of \_\_\_, 20\_\_ at \_\_\_\_\_, Philippines.

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant

**[Jurat]**

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

**Performance Securing Declaration (Revised)**

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

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REPUBLIC OF THE PHILIPPINES)  
CITY OF \_\_\_\_\_ ) S.S.

**PERFORMANCE SECURING DECLARATION**

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

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

I/We, the undersigned, declare that:

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

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

*[Insert NAME OF BIDDER OR ITS  
AUTHORIZED REPRESENTATIVE]  
[Insert signatory's legal capacity]*

Affiant

**[Jurat]**

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

## Bank Guarantee Form for Advance Payment

---

To: *[name and address of PROCURING ENTITY]*  
*[name of Contract]*

Gentlemen and/or Ladies:

In accordance with the payment provision included in the Special Conditions of Contract, which amends Clause **Error! Reference source not found.** of the General Conditions of Contract to provide for advance payment, *[name and address of Supplier]* (hereinafter called the "Supplier") shall deposit with the PROCURING ENTITY a bank guarantee to guarantee its proper and faithful performance under the said Clause of the Contract in an amount of *[amount of guarantee in figures and words]*.

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

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

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

Yours truly,

Signature and seal of the Guarantors

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*[name of bank or financial institution]*

---

*[address]*

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*[date]*

**New and revised/updated Philgeps Certificate of Registration as per GPBB Resolution No. 15 s. 2021**

Republic of the Philippines  
Department of Budget and Management  
**PROCUREMENT SERVICE**

**CERTIFICATE OF PHILGEPS REGISTRATION  
(Platinum Membership)**

*THIS IS TO CERTIFY THAT*

Valenzuela City , Metro Manila , NCR , Philippines

is registered in the **Philippine Government Electronic Procurement System (PhilGEPS)** on 21-Mar-2002 pursuant to Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act No. 9184, otherwise known as the Government Procurement Reform Act.

This further certifies that \_\_\_\_\_ has submitted the required eligibility documents in the PhilGEPS Supplier Registry as listed in Annex A, which document is attached hereto and made an integral part hereof.

For the purpose of updating this Certificate, all Class "A" eligibility documents covered by Section 8.5.2 of the Revised Implementing Rules and Regulations of Republic Act No. 9184 supporting the veracity, authenticity and validity of this Certificate shall remain current and updated. The failure by the prospective Bidder to update this Certificate with the current and updated Class "A" eligibility documents shall result in the automatic suspension of its validity until such time that all of the expired Class "A" eligibility documents has been updated.

By submitting this Certificate, the Bidder certifies:

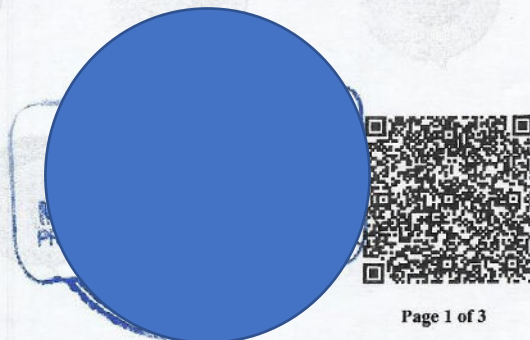
1. the authenticity, genuineness, validity, and completeness of the copy of the original eligibility documents submitted;
2. the veracity of the statements and information contained therein;
3. that the Certificate is not a guaranty that the named registrant will be declared eligible without first being determined to be such for that particular bidding, nor is it an evidence that the Bidder has passed the post-qualification stage; and
4. that any finding of concealment, falsification, or misrepresentation of any of the eligibility documents submitted, or the contents thereof shall be a ground for disqualification from further participation in the bidding process, without prejudice to the imposition of appropriate administrative, civil and criminal penalty in accordance with the laws.

This Certificate is valid until 29-Jul-2022

Issued this 25th day of June 2021.

This is a system generated certificate. No signature is required.

Documentary Stamp Tax Paid Php 30.00  
Certificate Reference No:  
Amended Date as of January 22, 2022 11:47 AM





## REMINDERS <sup>1</sup>

- *The PhilGEPS office shall not determine the eligibility of merchants. The PhilGEPS office's evaluation of the eligibility requirements shall be for the sole purpose of determining the approval or disapproval of the merchant's application for registration.*
- *A merchant's registration and membership in the GOP-OMR is neither contract-specific nor understood to be tantamount to a finding of eligibility. Neither shall the merchant's successful registration in the GOP-OMR be relied upon to claim eligibility for the purpose of participation in any public bidding.*
- *The determination of the eligibility of merchants, whether registered with the GOP-OMR or not, shall remain with the Bids and Awards Committee (BAC). The BAC's determination of validity of the eligibility requirements shall be conclusive to enable the merchant to participate in the public bidding process.*

Certificate Reference No: \_\_\_\_\_  
Amended Date as of January 22, 2022 11:47 AM

Page 2 of 3

<sup>1</sup>Refer to Section 4 of the Guidelines for the Use of the Government of the Philippines - Official Merchant's Registry

"Annex A"

## List of Eligibility Documents

of

<b>SEC Certificate</b>	Registration Date : 20-Oct-1995 SEC Certificate Number : A300010004
<b>Mayors Permit</b>	Expiration Date : 31-Dec-2022 Permit Number : 00013542 Place of Issue : VALENZUELA CITY Issued By / Signatory : Issuance Date : 12-Jan-2022
<b>Tax Clearance</b>	Expiration Date : 21-Jun-2022 TCC Number : 2021-00-21-R0514-2021-1 Issued By / Signatory : Issuance date : 21-Jun-2021
<b>Audited Financial Statement</b>	Date of Filing : 02-Jun-2021 Current Asset : Total Asset : Current Liabilities : Total Liabilities : Name of Auditor : BIR RDO Code : 024
<b>PCAB License</b>	Expiration Date : - Issued By / Signatory : Issuance Date : - License Number : License First Issue Date : - Principal Classification : Category :

Certificate Reference No: 2021-00-21-R0514-2021-1  
Amended Date of January 22, 2022 11:47 AM

Republic of the Philippines

gppd