



PHILIPPINE BIDDING DOCUMENTS

**CONSERVATION
& RESTORATION
OF GABALDON
SCHOOL
BUILDINGS CY
2020, BATCH 2**

Government of the Republic of the Philippines

**Sixth Edition
July 2020**



Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the “Works”) through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. 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 (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; 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 Works 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 Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular 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, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities 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 names of the Project, Contract, and Procuring Entity, in addition to 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.**

TABLE OF CONTENTS

Glossary of Terms, Abbreviations, and Acronyms	5
Section I. Invitation to Bid.....	8
Section II. Instructions to Bidders.....	12
1. Scope of Bid.....	13
2. Funding Information.....	13
3. Bidding Requirements	13
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	14
5. Eligible Bidders	14
6. Origin of Associated Goods.....	14
7. Subcontracts.....	14
8. Pre-Bid Conference.....	15
9. Clarification and Amendment of Bidding Documents	15
10. Documents Comprising the Bid: Eligibility and Technical Components.....	15
11. Documents Comprising the Bid: Financial Component.....	16
12. Alternative Bids	16
13. Bid Prices.....	16
14. Bid and Payment Currencies.....	16
15. Bid Security	17
16. Sealing and Marking of Bids	17
17. Deadline for Submission of Bids	17
18. Opening and Preliminary Examination of Bids	17
19. Detailed Evaluation and Comparison of Bids.....	17
20. Post Qualification.....	18
21. Signing of the Contract.....	18
Section III. Bid Data Sheet	19
Section IV. General Conditions of Contract.....	23
1. Scope of Contract.....	24
2. Sectional Completion of Works.....	24
3. Possession of Site.....	24
4. The Contractor's Obligations.....	24
5. Performance Security.....	24
6. Site Investigation Reports.....	25

7.	Warranty	25
8.	Liability of the Contractor	25
9.	Termination for Other Causes.....	25
10.	Dayworks	25
11.	Program of Work	26
12.	Instructions, Inspections and Audits.....	26
13.	Advance Payment	26
14.	Progress Payments	26
15.	Operating and Maintenance Manuals	26
Section V. Special Conditions of Contract.....		27
Section VI. Specifications.....		29
Section VII. Drawings		31
Section VIII. Bill of Quantities		32
Section IX. Checklist of Technical and Financial Documents		39

Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

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.

CDA – Cooperative Development Authority.

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])

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.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

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]).

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.

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.

PCAB – Philippine Contractors Accreditation Board.

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.

UN – United Nations.

Section I. Invitation to Bid



Republic of the Philippines
Department of Education
 Cordillera Administrative Region

Invitation to Bid for the Conservation of Gabaldon School Buildings CY 2020, Batch 2

1. The Department of Education – Cordillera Administrative Region Regional Office (DepEd-CAR RO), through the 2020 General Appropriations Act intends to apply the sum of:

a. Twelve Million One Hundred Seventy Seven Thousand Five Hundred Seventy Three pesos (Php12,177,573.00) only for LOT 1 with identification number CB 2021-006-Lot 1 ;

b. Thirteen Million Six Hundred Thirty Six Thousand Six Hundred Sixty One Pesos (Php13,636,661.00) only for LOT 2 with identification number CB 2021-006-Lot 2;

c. Twelve Thousand Fifty Five Thousand One Hundred Eighty Four Pesos (Php12,055,184.00) only for LOT 3 with identification number CB 2021-006-Lot 3;

d. Ten Million Nine Hundred Forty Five Thousand Seven Hundred Twenty Two Pesos (Php 10,945,722.00) only for LOT 4 with identification number CB 2021-006-Lot 4;

e. Twelve Million Four Hundred Ninety Thousand Seven Hundred Fifty Seven Pesos (Php12,490,757.00) only for LOT 5 with identification number CB 2021-006-Lot 5;

f. Seventeen Million Nine Hundred Sixteen Thousand Seven Hundred Sixty Pesos (Php 17,916,760.00) only for LOT 6 with identification number CB 2021-006-Lot 6

being the Approved Budget for the Contract (ABC) to payments under the contract for each lot. Bids received in excess of the ABC for each lot shall be automatically rejected at bid opening.

2. The DepEd-CAR RO now invites bids for the above Procurement Project. Completion of the Works/Contract Duration and other details are as follows:

LOT NO.	SCHOOLS	LOCATION	ABC (Php) per Lot	Contract Duration
1	Topdac Elementary School	Atok, Benguet	12,177,573.00	180 Cds
2	Tublay Central School	Tublay, Benguet	13,636,661.00	180 Cds





Republic of the Philippines
Department of Education
Cordillera Administrative Region

LOT NO.	SCHOOLS	LOCATION	ABC (Php) per Lot	Contract Duration
3	Tambuan Elementary School	Besao, Mt. Province	12,055,184.00	180 Cds
4	Balaoa Elementary School; Dacudac Elementary School	Tadian, Mt. Province	10,945,722.00	180 Cds
5	Bantey Elementary School	Tadian, Mt. Province	12,490,757.00	180 Cds
6	Kayan Elementary School	Tadian, Mt. Province	17,916,760.00	180 Cds

Bidders should have completed 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).

- Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
- Interested bidders may obtain further information from DepED-CAR Regional Office and inspect the Bidding Documents at the address given below from 8:00am to 5:00pm, Mondays to Fridays.
- A complete set of Bidding Documents may be acquired by interested bidders starting April 30, 2021 from the given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Php12,000.00 for Lot 1, Php 13,000.00 for Lot 2, Php12,000.00 for Lot 3, Php 11,000.00 for Lot 4, Php 12,000.00 for Lot 5 and Php 18,000.00 for Lot 6.** The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.
- The DepEd-CAR Regional Office will hold a **Pre-Bid Conference on May 7, 2021 at 9am at the SNC Hall, DepED-CAR Regional office, Wangal, La Trinidad, Benguet**, which shall be open to prospective bidders.
- Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, **on or before 9am of May 19, 2021**. Late bids shall not be accepted.
- All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.





Republic of the Philippines
Department of Education
Cordillera Administrative Region


9. **Bid opening shall be on May 19, 2021 (Wednesday) at 9:01am at the covered court of the DepED-CAR RO, Wangal, La Trinidad, Benguet.** Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. Bidders may bid for more than one (1) lot provided that the total value of lots to be awarded shall be within its Allowable Range of Contract Cost (ARCC) and its experience.
11. The DepED-CAR Regional Office 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 Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

*BAC Secretariat
DepED-CAR Regional Office
Wangal, La Trinidad, Benguet
Tel. No. (074) 422-1804/(074) 422-5155
Email address: depedcar.bacsecretariat@gmail.com*

13. You may visit the following websites:

For downloading of Bidding Documents: ***depedcar.ph***

April 29, 2021


FLORANTE E. VERGARA
BAC Chairperson



Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, DepED-CAR Regional Office, invites Bids for the **Conservation of Gabaldon School Buildings, Batch 2** with Project Identification Numbers:

- a. LOT 1 -- Identification number CB 2021-006-Lot 1
- b. LOT 2 -- Identification number CB 2021-006-Lot 2
- c. LOT 3 -- Identification number CB 2021-006-Lot 3
- d. LOT 4 -- Identification number CB 2021-006-Lot 4
- e. LOT 5 -- Identification number CB 2021-006-Lot 5
- f. LOT 6 -- Identification number CB 2021-006-Lot 6

The Procurement Project (referred to herein as "Project") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for CY 2020 in the amounts of:

LOT NO.	ABC (Php) per Lot
1	12,177,573.00
2	13,636,661.00
3	12,055,184.00
4	10,945,722.00
5	12,490,757.00
6	17,916,760.00
TOTAL	72,222,657.00

- 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 Manual 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 invitation to bid 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 inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) 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, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, 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. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated 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.

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 fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

- a. **Subcontracting is not allowed.**

- 7.1. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and at its physical address, at the SNC Hall, DepED-CAR Regional Office, Wangal, La Trinidad, Benguet, on May 7, 2021 at 9am 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 IX. Checklist of Technical and Financial Documents**.
- 10.2. 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. 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.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.

- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

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 IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. 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. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. 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.
- 14.2. *Payment of the contract price shall be made in:*

a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until September 16, 2021. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's 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 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause																						
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>Restoration/Rehabilitation/Conservation of Heritage Building/Gabalдон School Buildings</i>																					
7.1	Subcontracting is not allowed																					
10.1	To be included in the Technical Documents is a Site Inspection Certificate signed by the Principal/Officer-In Charge/ Officer of the Day of the School. Site Inspection Certificate is to be accompanied by a picture of either the project engineer/foreman/owner or any technical employee with the Gabaldon bldg. as the background																					
10.3	<i>No further instructions</i>																					
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Key Personnel</u></th> <th style="text-align: center;"><u>General Experience</u></th> <th style="text-align: center;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td>Project Engineer</td> <td style="text-align: center;">5 years</td> <td style="text-align: center;">3 years</td> </tr> <tr> <td>Safety Officer</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">1 years</td> </tr> <tr> <td>General foreman</td> <td style="text-align: center;">3 years</td> <td style="text-align: center;">2 years</td> </tr> <tr> <td>Skilled Mason</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">1 year</td> </tr> <tr> <td>Skilled Carpenters</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">1 year</td> </tr> <tr> <td>Skilled welders</td> <td style="text-align: center;">2 years</td> <td style="text-align: center;">1 year (as needed)</td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Engineer	5 years	3 years	Safety Officer	2 years	1 years	General foreman	3 years	2 years	Skilled Mason	2 years	1 year	Skilled Carpenters	2 years	1 year	Skilled welders	2 years	1 year (as needed)
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10.5	<p>The minimum major equipment requirements are the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u></th> <th style="text-align: center;"><u>Capacity</u></th> <th style="text-align: center;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td>Dumptruck/elf</td> <td style="text-align: center;">2 cu.m.</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Concrete Mixer</td> <td style="text-align: center;">1 bagger</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Shoring Jack</td> <td></td> <td></td> </tr> <tr> <td colspan="3">Various Power hand tools (For woodworks)</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Dumptruck/elf	2 cu.m.	1	Concrete Mixer	1 bagger	1	Shoring Jack			Various Power hand tools (For woodworks)								
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Shoring Jack																						
Various Power hand tools (For woodworks)																						
11.1	The second bid envelope/financial component should include a USB/flash drive (soft copy of Financial proposal in excel format)																					
12	No further instructions																					
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>LOT I:</p> <p>a. The amount of not less than <u>Php243,551.46</u> [Two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php 608,878.65</u> [five percent (5%) of ABC] if bid security is in Surety Bond.</p>																					

	<p><u>LOT 2:</u></p> <p>a. The amount of not less than <u>Php 272,733.22</u> [two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php 681,833.05</u> [five percent (5%) of ABC] if bid security is in Surety Bond.</p> <p><u>LOT 3:</u></p> <p>a. The amount of not less than <u>Php 241,103.68</u> [two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php 602,759.20</u> [five percent (5%) of ABC] if bid security is in Surety Bond.</p> <p><u>LOT 4:</u></p> <p>a. The amount of not less than <u>Php218,914.44</u> [two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php547,286.10</u> [five percent (5%) of ABC] if bid security is in Surety Bond</p> <p><u>LOT 5:</u></p> <p>a. The amount of not less than <u>Php249,815.14</u> [two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php624,537.85</u> [five percent (5%) of ABC] if bid security is in Surety Bond</p> <p><u>LOT 6:</u></p> <p>a. The amount of not less than <u>Php358,335.20</u> [two percent (2%) of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <u>Php895,838.00</u> [five percent (5%) of ABC] if bid security is in Surety Bond</p>
16	Each bidder is requested to submit three (3) copies/sets – 1 original and 2 photocopies – of the first and second component of its bid. The use of tabs is also encouraged to facilitate examination of documents.
19.2	The project is packaged into 6 lots and each lot shall not be divided into sub-lots for the purpose of bidding, evaluation and contract award.
20	

21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity:</p> <ul style="list-style-type: none">a) Performance Security in the form and amount per calculated bid;b) Contractor's All Risk Insurance (CARI), coverage of which starts upon commencement of work;c) Construction Safety and Health Program approved by the Department of Labor;d) Manpower Schedule;e) Construction Methods; and,f) Equipment Utilization Schedule.
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Section IV. General Conditions of Contract

1. Scope of Contract

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

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

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB Clause 10.3** and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than 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.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the SCC supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the SCC.

8. Liability of the Contractor

Subject to additional provisions, if any, set forth in the SCC, the Contractor's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

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

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the

Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the SCC.

11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the SCC. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the SCC from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the SCC, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the SCC, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the SCC.

15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the SCC from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	<i>The Intended completion date per lot is 180 calendar days</i>
4.1	<i>The procuring entity shall give possession of all parts of the site to the contractor within 7 days from receipt of the Notice to Proceed.</i>
6	<i>The site investigation reports are: none</i>
7.2	<p><i>In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures: Five (5) years.</i></p> <p><i>In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures: Two (2) years.</i></p>
10	<p><i>Dayworks:</i></p> <p style="padding-left: 40px;"><i>a. No dayworks are applicable to the contract.</i></p>
11.1	<i>The Contractor shall submit the Program of Work to the Procuring Entity's Representative within 15 days of delivery of the Notice of Award.</i>
11.2	<i>The amount to be withheld for late submission of an updated Program of Work is 1% of Contract Amount.</i>
13	<i>The amount of the advance payment is 15% of the Contract amount</i>
14	<i>Materials and equipment delivered on the site but not completely put in place shall be included for payment.</i>
15.1	<p><i>The date by which operating and maintenance manuals are required is 15 days upon issuance of COC.</i></p> <p><i>The date by which "as built" drawings are required is within 15 days upon issuance of Certificate of Completion.</i></p>
15.2	<i>The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is 5% of the Contract Amount.</i>

Section VI. Specifications

Notes on 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 or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted 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 economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

Samples of specifications from previous similar projects are useful in this respect. The use of metric units is mandatory. Most specifications are normally written specially by the Procuring Entity or its representative to suit the Works at hand. There is no standard set of Specifications for universal application in all sectors in all regions, but there are established principles and practices, which are reflected in these PBDs.

There are considerable advantages in standardizing General Specifications for repetitive Works in recognized public sectors, such as highways, ports, railways, urban housing, irrigation, and water supply, in the same country or region where similar conditions prevail. The General Specifications should cover all classes of workmanship, materials, and equipment commonly involved in construction, although not necessarily to be used in a particular Works Contract. Deletions or addenda should then adapt the General Specifications to the particular Works.

Care must be taken in drafting specifications to ensure that they are not restrictive. In the specification of standards for goods, materials, and workmanship, recognized 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 goods, materials, and workmanship that meet other authoritative standards, and which ensure substantially equal or higher quality than the standards mentioned, will also be acceptable. The following clause may be inserted in the SCC.

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect 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 a substantially equal or higher quality than the standards and codes specified will be accepted subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

These notes are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final Bidding Documents.

Section VII. Drawings

(See Annex A for the Drawings)

LOT 1 – TOPDAC ELEMENTARY SCHOOL

LOT 2 – TUBLAY CENTRAL SCHOOL

LOT 3 – TAMBUAN ELEMENTARY SCHOOL

LOT 4 – BALAOA ELEMENTARY SCHOOL

AND

DACUDAC ELEMENTARY SCHOOL

LOT 5 – BANTEY ELEMENTARY SCHOOL

LOT 6 – KAYAN ELEMENTARY SCHOOL

Section VIII. Bill of Quantities

LOT 1 – TOPDAC ELEMENTARY SCHOOL



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

LOT 1 - TOPDAC ELEMENTARY SCHOOL

PROGRAM OF WORKS
DETAILED COST ESTIMATE

Gab2020-CAR-BENGUET-001

School:	TOPDAC ELEMENTARY SCHOOL	Date:				
School ID:	135397	Budget Allocation:	Engineering & Administrative Overhead			
Region:	CAR	Approved Budget for Contract:				
Division:	BENGUET	Completion Period:	180 calendar days			
Project Title:		Minimum Required Manpower:				
RESTORATION OF GABALDON BUILDING 3 CLASSROOMS AND CONSTRUCTION OF SLOPE PROTECTION		General Foreman	Welder	Tinsmith		
		Electrician	Carpenter	Painter		
		Steelman	Labor	Mason		
Location:	Atok, Benguet	Minimum Required Equipment:				
		Hand Tools (Carpentry & Masonry Tools)				
		Power Tools (Electric Saw, Cutters, Drills, Grinders, Other Woodworking Tools)				
		Welding Machine				
Item No.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. Direct Cost						
A.	GENERAL REQUIREMENTS		lot	1.00		
	GabalDON Building (3 Classroom)					
1	Earthworks		lot	1.00		
2	Concreting Works		lot	1.00		
3	Rebar Works		lot	1.00		
4	Formworks		lot	1.00		
6	Doors and Windows		lot	1.00		
7	Steel Works		lot	1.00		
8	Roofing Works		lot	1.00		
9	Carpentry Works		lot	1.00		
10	Electrical Works		lot	1.00		
13	Painting Works					
	RETAINING WALL (L=35m,H=6m)					
1	Earthworks		lot	1.00		
2	Concreting Works		lot	1.00		
3	Rebar Works		lot	1.00		
4	Formworks		lot	1.00		
5	Miscellaneous Works		lot	1.00		
	Sub-total					
II. INDIRECT COST 17% of (I-Gen Req)						
	Overhead Expenses (5%)					
	Contingencies (3%)					
	Miscellaneous (1%)					
	Contractor's Profit (8%)					
	Sub-Total					
III. TAX 5% of (I+II)						
	Sub-Total					
IV. TOTAL CONSTRUCTION COST (I+II+III)						



**PROGRAM OF WORKS
 DETAILED COST ESTIMATE**

PROJECT: RESTORATION OF GABALDON BUILDING 3 CLASSROOMS
 SCHOOL TOPDAC ELEMENTARY SCHOOL
 LOCATION ATOK, BENGUET
 OWNER DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST	COST		GRAND TOTAL
					MATERIAL	LABOR	
A.	GENERAL REQUIREMENTS						
	Mobilization/Utilities and Services/Demobilization / Standard Billboard/	lot	1.00				
	Safety and Health	lot	1.00				
	Transshipment cost	lot	1.00				
	Rental of Scaffoldings (including jack-up, dismantling)	lot	1.00				
	Sub-total						
	GabalDON Building (3 Classroom)						
1.00	Earthworks						
1.02	Structural Excavation	cu.m	89.10				
1.03	Backfilling and Compaction	cu.m	64.80				
1.04	Gravel Bedding G-1	cu.m	8.91				
1.05	Soil Poisoning	sq.m	89.10				
	Sub-total						
2.00	Concreting Works						
	Ftg. Column, Beams	cu.m	54.05				
2.01	Portland Cement	bag	487.00				
2.02	Crushed Gravel 3/4"	cu.m	54.25				
2.03	Washed Sand	cu.m	27.25				
	Sub-total						
3.00	Rebar Works						
	Ftg. Column, Beams	kg	4,622.78				
3.01	Deformed Round Bars, Grade 40	kg	4,622.78				
3.02	G.I. Tie Wire	kg	463.00				
	Sub-total						
4.00	Formworks						
	Column, Beams	sq.m	251.46				
4.01	Coco Lumber	bd.ft	4,275.00				
4.03	Plywood Ordinary, 1/2" x 4' x 8'	pc	44.00				
4.04	CWN, Assorted	kg	60.00				
	Sub-total						
6.00	Doors and Windows						
6.01	Removal of Door with Jamb	set	5.00				
6.02	Removal of Window with Jamb	sq.m	56.43				
	D-1, Panel Door 1.0m x 2.40m on std. 150mm yakal or guijo or its approved equivalent wooden jamb complete with accessories (Refurbishment)	set	5.00				
	GabalDON Door Lockset	set	5.00				
	W-1, Capiz Window (1.10m x 2.70m) with frame & Accessories	set	19.00				
	Replacement of Wooden Jamb	set	24.00				
	Door transom, Capiz	pc	5.00				
	Operable Window Grilles for Capiz Windows	set	19.00				
	Sub-total						
7.00	Steel Works						
	Steel railings of steps at front						
7.45	G.I. Pipe 2"Ø Sch.40	pc	20.00				
7.44	G.I. Pipe 1-1/4"Ø Sch.40	pc	14.00				
	Tubular Steel railings of corridor						
7.28	Tubular 50mm x 150mm x 2.0mm	pc	4.00				
7.29	Tubular 50mm x 100mm x 1.5mm	pc	11.96				
	4" Grinding disk	pc	7.36				
	Ramp						

	40mmφ Steel Pipe	pc	13.80				
	20mm x 20mm square bar	pc	5.52				
	L 50 x 50 x 6mm	kg	690.88				
	4mm Checkered steel plate	pc	13.80				
	100mm x 100mm x 4mm base plate	pc	0.00				
7.46	Welding Rod	kg	18.40				
13.11	Primer, Epoxy	gal	3.68				
13.06	Enamel, Quick Dry	gal	7.36				
	Screen Replacement						
	Aluminum 18x16 wire mesh screen with frame	roll	9.20				
	1"x2" Wood Chicken Wiremesh Holder	bd.ft	198.72				
9.22	Finishing Nails	kg	27.60				
	Perimeter Screen						
	Steel Matting, 2" x 2" opening, 4' x 8'	pc	20.00				
	1/4" x 1.5" x 6m Angle bar	kg	307.64				
	Welding rod	kgs	15.00				
	Plain Round bar 12mmx6m	pcs	57.00				
	Others						
	Brass Conservation Marker	lot	1.00				
	Signage	lot	1.00				
	Sub-total						
8.00	Roofing Works						
8.01	Removal of Roofing Sheets	lm	381.24				
8.02	Removal of Ridge Roll	pc	21.16				
8.03	Removal of Flashing	pc	52.00				
8.04	Removal of Gutter	pc	52.00				
8.16	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	lm	381.24				
8.19	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	33.00				
8.17	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	29.00				
8.22a	Round-type Gutter, Pre-Painted, Ordinary, 8in thick x 2.440m x 0.6mm thk	pc	58.00				
	Pre-Painted Roof Louver	set	2.00				
8.19	20mm thk Decorative Fiber cement Board	pc	2.00				
8.35	Teckscrew 2-1/2"	pc	3,607.00				
8.36	Roof Sealant	L	20.00				
	Sub-total						
9.00	Carpentry Works						
	Dismantling Works						
9.34	Removal of Wooden Truss	bd.ft	1,598.34				
9.34a	Removal of Purlins & Ceiling Joists	bd.ft	2,262.48				
9.34c	Removal of Floor Joists, Beams & Girders	bd.ft	4,445.17				
9.25	Removal of T&G (Floor)	Lft	8,066.05				
9.25a	Removal of T&G (Exterior walls)	eq.m.	314.23				
	Interior Flooring Replacements(100%)						
9.26	T&G 3/4" x 4"	Lft	5,231.27				
9.22	Finishing Nails	kg	145.50				
13.46	Wood Filler	qrt.	9.20				
9.42	Wood Preservative, Brown	L	10.00				
	Wooden Fascia Board Replacements (100%)						
9.27	1"x12" S4S lumber	bd.ft.	310.37				
9.22	Finishing Nails	kg	18.00				
9.42	Wood Preservative, Brown	L	10.00				
	Interior Ceiling (including corridor)Replacement (100%)						
9.27	T&G 3/4" x 6"	sq.m.	243.00				
	T&G 3/4" x 6"	Lft	5,231.27				
	Interior Ceiling Joists(replace 100%)						
9.23	Common Wire Nails	bd.ft	1,264.58				
9.23	Common Wire Nails	kg	14.00				
9.22	Finishing Nails	kg	8.00				
9.42	Wood Preservative, Brown	L	8.00				
	Exterior Ceiling						
	Exterior Ceiling	sq.m.	163.50				
9.08	Plywood, Marine 3/4" x 4' x 8'	pcs	57.00				
9.13	2"x2" Rough lumber Hardwood	bd.ft.	715.00				
9.23	Common Wire Nails	kg	13.00				
9.22	Finishing Nails	kg	4.00				
9.42	Wood Preservative, Brown	L	6.00				
	New interior walls (double walling)w/ groove						
	New interior walls (double walling)w/ groove	sq.m.	324.00				
9.08	Plywood, Marine 3/4" x 4' x 8'	pcs	113.00				
9.13	2"x3" Rough lumber Hardwood (studs)	bd.ft.	5,432.16				
9.22	Finishing Nails	kg	18.00				
9.42	Wood Preservative, Brown	L	11.00				
	New wall partition(double wall) w/ groove						
	New wall partition(double wall) w/ groove	sq.m.	151.20				
9.08	Plywood, Marine 3/4" x 4' x 8'	pcs	53.00				

9.13	2"x3" Rough lumber Hardwood	bd.ft.	599.81				
9.23	Common Wire Nails	kg	11.00				
9.22	Finishing Nails	kg	3.00				
9.42	Wood Preservative, Brown	L	5.00				
	Other Wood Replacements						
	Truss Members (Top/Bottom Chords)100%	bd.ft	1,462.79				
	Wooden Posts(Replace 100%)	bd.ft.	865.92				
	Purlins(Replace 100%)	bd.ft	3,069.99				
	Floor Joist (100%)	bd.ft	7,086.62				
9.13	Rough Lumber (Hard wood)	bd.ft	12,485.32				
9.23	Common Wire Nails	kg	225.00				
9.42	Wood Preservative, Brown	L	25.00				
	Cornices/Mouldings	bd.ft	760.44				
	Baseboards	bd.ft	249.87				
9.14	S4S Lumber, Kiln Dried, Tanguile	bd.ft	1,010.31				
9.22	Finishing Nails	kg	57.00				
9.23	Common Wire Nails	kg	19.00				
	Exterior Walls Replacements						
9.27	Metal wall cladding wood design .5mm thk x 1220mm width	L.m.	380.88				
8.35	Teckscrew 2-1/2"	pc	5,713.20				
4.04	CWN, Assorted	kg	69.00				
9.13	Rough Lumber, Sun Dried, Tanguile	bd.ft	1,963.28				
	Others						
9.15	Ceiling Vent 1" x 12" x 4' with Screen	pc	20.00				
	Blackboards	sq.m	17.28				
	S4S Lumber, Kiln Dried, Tanguile	bd.ft	110.00				
	Lawanit, 1/4" thk	pc	6.00				
	Finishing Nails	kg	1.00				
	Common Wire Nails	kg	2.00				
	Concrete Nails	kg	1.00				
	Wooden railings of corridor including lattice						
	Rough Lumber (Hard wood)	bd.ft	1,278.75				
	Sub-total						
10.00	Electrical Works						
	Roughing-ins						
10.01	Electrical Conduit uPVC, 15mmØ	pc	250.00				
10.08	RSC 32mmØ	pc	1.00				
10.35	Entrance Cap 32mm dia.	pc	1.00				
10.16	Junction Box, 4" x 4" G.I.	pc	147.20				
10.17	Utility Box, 2" x 4" G.I.	pc	128.80				
10.37	Grounding Rod, 2.4m x 16mm dia.	pc	1.00				
	Wires & Fixtures						
10.13	8.0 mm2 THW Wire, Stranded	m	150.00				
10.11	3.5 mm2 THW Wire, Stranded	m	1,500.00				
10.28	Duplex C.O. with Plate	pc	116.00				
10.16	Junction Box, 4" x 4" G.I.	pc	72.00				
10.17	Utility Box, 2" x 4" G.I.	pc	116.00				
	3-Gang Switch with Plate with LED indicator	pc	7.00				
	12 Branches Panel Board Centermain, with 100AT Main breaker, 5-15AT CB, 2P,5-20AT CB,2P,NEMA 3R Enclosure,Surface type 150AF, with grounding bus bar	assy	1.00				
	2x18 Watts,LED Luminaire Complete with Hanger accessories	assy	22.00				
	Surface type pinlight.with 10 watts LED Bulb	set	10.00				
	Fire Alarm Bell, Vibrating Type (8" Ø)	set	1.00				
	Fire Alarm Station, Manual Single Action	set	1.00				
	Fire Extinguisher	pc	10.00				
	Electrical Tape	pc	50.00				
	Sub-total						
13.00	Painting Works						
	Concrete surfaces	sq.m	216.00				
13.01	Neutralizer	gal	3.00				
13.02	Latex, Flat (1 Coat)	gal	8.00				
13.03	Masonry Putty	gal	22.00				
13.04	Latex, Semi- Gloss	gal	8.00				
13.20	Acri Color	qrt	2.00				
	Wood surfaces	sq.m	1,254.11				
13.06	Enamel, Flatwall	gal	42.00				
13.07	Glazing Putty	gal	51.00				
13.08	Enamel, Semi Gloss	gal	84.00				
13.09	Paint Thinner	L	32.00				
	Flooring	sq.m	243.00				

13.32	Wood Bleach #1	L	11.00				
13.33	Wood Bleach #2	L	11.00				
13.31	Valspar	gal	11.00				
13.22	Sanding Sealer	gal	11.00				
13.35	Polytuff	qrt	8.00				
13.43	Sand Paper #100	m	8.00				
13.44	Sand Paper #80	m	8.00				
	Sub-total						
RETAINING WALL (L=35m,H=6m)							
1.00	Earthworks	cu.m	1,048.22				
1.0200	Structural Excavation	cu.m	655.20				
1.0300	Backfilling and Compaction	cu.m	393.02				
	Sub-total						
2.00	Concreting Works	cu.m	157.02				
	Structural Concrete incl parapet	cu.m	151.12				
2.0200	Portland Cement	bag	1,361.00				
2.0300	Crushed Gravel 3/4"	cu.m	151.25				
2.0500	Washed Sand	cu.m	75.75				
	Lean Concrete	cu.m	5.90				
2.0200	Portland Cement	bag	54.00				
2.0300	Crushed Gravel 3/4"	cu.m	6.00				
2.0500	Washed Sand	cu.m	3.00				
	Sub-total						
3.00	Rebar Works	kg	9,593.45				
	Footing	kg	3,752.54				
	Wall	kg	5,406.35				
	Parapet	kg	434.56				
3.0100	Deformed Round Bars, Grade 60	kg	2,184.43				
3.0500	Deformed Round Bars, Grade 40	kg	7,409.02				
3.1200	G.I. Tie Wire	kg	105.60				
	Sub-total						
4.00	Formworks	sq.m	491.80				
	Footing	sq.m	14.00				
4.0100	Coco Lumber	bd.ft	238.00				
4.0400	CWN, Assorted	kg	3.00				
	Phenolic Board 1/2" x 4' x 8'	pc	4.00				
	Wall	sq.m	477.80				
4.0100	Coco Lumber	bd.ft	8,123.00				
4.0400	CWN, Assorted	kg	82.00				
	Phenolic Board 1/2" x 4' x 8'	pc	114.00				
	Sub-total						
	Miscellaneous Works	lot	1.00				
	Weep Holes (3" Ø PVC Sanitary Pipe 3.0m)	pc	25.00				
	Filter Clothe	sq.m	6.38				
	Sub-total						
I.	Direct Cost						
II.	Indirect Cost (17% of (I-Gen Req))						
III.	Tax (5% of I & II)						
IV.	Total Construction Cost (I + II + III)						

LOT 2 – TUBLAY CENTRAL SCHOOL

LOT 2 - TUBLAY CENTRAL SCHOOL



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

PROGRAM OF WORKS
BILL OF QUANTITIES

School: TUBLAY CENTRAL SCHOOL		Date:				
School ID: 135737		Budget Allocation:				
Region: CAR		Engineering & Administrative Overhea				
Division: BENGUET		Approved Budget for Contract:				
Project Title:		Completion Period: 180 calendar days				
RESTORATION OF GABALDON BUILDING SEVEN (7 CLASSROOMS)		Minimum Required Manpower:				
		General Foreman Welder				
		Electrician				
		Steelman				
Location: Tublay, Benguet		Minimum Required Equipment:				
		Hand Tools (Carpentry & Masonry Tools)				
		Power Tools (Electric Saw, Cutters, Drills, Grinders, Planer Machine, Other Woodworking Tools)				
		Machine Tools (Welding Machine)				
Item No.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. Direct Cost					
A.	GENERAL REQUIREMENTS		lot	1.00		
1	Earthworks		lot	1.00		
2	Concreting Works		lot	1.00		
3	Rebar Works		lot	1.00		
4	Formworks		lot	1.00		
5	Masonry Works		lot	1.00		
6	Doors and Windows		lot	1.00		
7	Steel Works		lot	1.00		
8	Roofing Works		lot	1.00		
9	Carpentry Works		lot	1.00		
10	Electrical Works		lot	1.00		
11	Painting Works		lot	1.00		
	Sub-total					
	II. INDIRECT COST 17% of (I-Gen Req)					
	Overhead Expenses (5%)					
	Contingencies (3%)					
	Miscellaneous (1%)					
	Contractor's Profit (8%)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I+II+III)					



**PROGRAM OF WORKS
 DETAILED COST ESTIMATE**

PROJECT RESTORATION OF GABALDON BUILDING -SEVEN (7) CLASSROOMS
 SCHOOL : TUBLAY CENTRAL SCHOOL
 LOCATION : TUBLAY, BENGUET
 OWNER DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR		LABOR	
A.	GENERAL REQUIREMENTS							
	Mobilization/Utilities and Services/Demobilization / Standard Billboard/	lot	1.00					
	Safety and Health	lot	1.00					
	Transshipment cost	lot	1.00					
	Rental of Scaffoldings	lot	1.00					
	Sub-total							
1.00	Earthworks	lot	1.00					
1.01	Excavation	cu.m	376.20					
1.02	Hauling of Excavated Soil	cu.m	376.20					
1.04	Gravel Bedding G-1	cu.m	22.80					
1.05	Soil Poisoning	sq.m	125.40					
1.03	Backfilling and Compaction	cu.m	36.00					
	Sub-total							
2.00	Concreting Works							
	20-Ftg, 20-Column, Retaining Wall, Other Pedestal and SOG	cu.m	96.69					
2.01	Portland Cement	bag	870.21					
2.02	Crushed Gravel 3/4"	cu.m	77.35					
2.03	Washed Sand	cu.m	38.68					
	Sub-total							
3.00	Rebar Works							
	20-Ftg, 20-Column, Retaining Wall, Other Pedestal and SOG	kg	8,594.01					
3.01	Deformed Round Bars, Grade 40	kg	8,594.01					
3.02	G.I. Tie Wire	kg	80.00					
	Sub-total							
4.00	Formworks							
	Column, Footing, Retaining Wall	sq.m	285.00					
4.01	Coco Lumber	bd.ft	4,845.00					
4.03	Plywood Ordinary, 1/2" x 4' x 8'	pc	49.00					
4.04	CWN, Assorted	kg	68.00					
	Sub-total							
5.00	Masonry Works							
	Masonry Wall	sq.m	16.00					
5.05	CHB 6" thk	pc	200.00					
5.02	Portland Cement	bag	6.00					
5.03	Washed Sand	cu.m	1.00					
5.06	10mm x 6m RSB	kg	22.00					
5.07	G.I. Tie Wire	kg	1.00					
	Plastering (including Retwall)	sq.m	104.00					
5.02	Portland Cement	bag	35.00					
5.03	Washed Sand	cu.m	4.00					
	Sub-total							
6.00	Doors and Windows							
6.01	Removal of Door with Jamb	set	9.00					
6.02	Removal of Window with Jamb	sq.m	67.50					
	D-1, Panel Door 1.0m x 2.40m on std. 150mm yakal or guijo or its approved equivalent wooden jamb complete with accessories and lockset	set	9.00					
	Heavy Duty Stainlesssteel Lockset (FOR GABALDON BLDG.)	set	9.00					
	W-1, Capiz Window (1.50m x 2.00m) with frame, operable window grilles and Accessories	set	22.00					
	W-2, Capiz Window (2.50m x 2.00m) with frame, operable window grilles and Accessories	set	1.00					
	Replacement of Wooden Jamb	set	31.00					
	Door transom, Capiz	pc	9.00					

	Sub-total							
7.00	Steel Works							
	<i>Steel railings of steps at front</i>							
7.45	G.I. Pipe 2"Ø Sch.40	pc	20.00					
7.44	G.I. Pipe 1-1/4"Ø Sch.40	pc	14.00					
	Perimeter Screen							
	Steel Matting, 2" x 2" opening, 4' x 8'	pc	19.00					
	1/4" x 1.5" x 6m Angle bar	kg	307.64					
	Welding rod	kgs	15.00					
	Plain Round Bar 12mmØ x 6m	pcs	57.00					
	Others							
	Brass Conservation Marker	lot	1.00					
	Signage	lot	1.00					
	Sub-total							
8.00	Roofing Works							
8.01	Removal of Roofing Sheets	lm	807.00					
8.02	Removal of Ridge Roll	pc	32.00					
8.03	Removal of Flashing	pc	52.00					
8.04	Removal of Gutter	pc	52.00					
8.16	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	lm	807.00					
8.19	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	50.00					
8.17	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.5mm thk	pc	50.00					
8.22a	Round-type Gutter, Pre-Painted, Ordinary, 8in thick x 2.440m x 0.6mm thk	pc	50.00					
	Pre-Painted Roof Louver	set	2.00					
8.19	20mm thk Decorative Fiber cement Board	pc	2.00					
8.35	Teckscrew 2-1/2"	pc	6,023.69					
8.36	Roof Sealant	L	20.00					
	5mm thk P.E. sheet insulation including tape	lm	807.00					
	Galvanised Welded Mesh (roofing insulation support)	sq.m	721.60					
	3" dia. Pvc Down Spout	pcs	95.00					
	3" 90 deg Elbow	pcs	285.00					
	Solvent Cement	lit	15.00					
	Sub-total							
9.00	Carpentry Works							
	Dismantling Works							
9.34	Removal of Wooden Truss	bd.ft	1,937.38					
9.34a	Removal of Purlins & Ceiling Joists	bd.ft	2,742.39					
9.25	Removal of T&G (Floor)	Lft	13,815.00					
9.25a	Removal of T&G (Exterior walls)	sq.m.	395.00					
	Interior Flooring Replacements(100%)							
9.26	T&G 3/4" x 4"	Lft	13,815.00					
9.22	Finishing Nails	kg	350.00					
13.46	Wood Filler	qrt.	9.20					
9.42	Wood Preservative, Brown	L	16.56					
	Wooden Fascia Board Replacements (100%)							
9.27	1"x12" S4S lumber	bd.ft.	423.17					
9.22	Finishing Nails	kg	12.00					
9.42	Wood Preservative, Brown	L	6.00					
	Interior Ceiling (including corridor)Replacement (100%)							
9.26	T&G 3/4" x 4"	Lft	13,815.00					
	Interior Ceiling Joists(replace 100%)	bd.ft	1,915.00					
9.23	Common Wire Nails	kg	14.00					
9.22	Finishing Nails	kg	8.00					
9.42	Wood Preservative, Brown	L	8.00					
	Exterior Ceiling	sq.m.	254.00					
9.08	Plywood, Marine 3/4" x 4' x 8'	pcs	88.00					
9.13	2"x2" Rough lumber Hardwood	bd.ft.	1,668.00					
9.23	Common Wire Nails	kg	20.00					
9.22	Finishing Nails	kg	15.00					
9.42	Wood Preservative, Brown	L	9.00					
	New Interior walls (double walling)w/ groove	sq.m.	522.00					
9.08	Plywood, Marine 3/4" x 4' x 8'	pcs	199.00					
9.13	2"x3" Rough lumber Hardwood (studs)	bd.ft.	4,567.50					
9.22	Finishing Nails	kg	16.00					
9.42	Wood Preservative, Brown	L	4.00					
	New wall partition(double wall) w/ groove	sq.m.	466.00					
9.08	Plywood, Marine 3/4" x 4' x 8'	pcs	185.00					
9.13	2"x3" Rough lumber Hardwood (studs)	bd.ft.	4,252.50					
9.23	Common Wire Nails	kg	11.04					
9.22	Finishing Nails	kg	2.76					
9.42	Wood Preservative, Brown	L	4.00					
	Other Wood Replacements							
	Truss Members (Top/Bottom Chords)100%	bd.ft	3,468.00					
	Wooden Posts(Replace 100%)	bd.ft.	1,906.99					

	Purlins(Replace 100%)	bd.ft	2,953.00					
	Wood Railing and Decorative Lattice Work @							
	Corridor(Replace 100%)	bd.ft	793.78					
9.13	Rough Lumber (Hard wood)	bd.ft	9,121.77					
9.23	Common Wire Nails	kg	20.00					
9.42	Wood Preservative, Brown	L	15.00					
	Comices/Mouldings	bd.ft	512.00					
	Baseboards	bd.ft	965.00					
9.14	S4S Lumber, Kiln Dried, Tanguile	bd.ft	1,477.00					
9.22	Finishing Nails	kg	20.00					
9.23	Common Wire Nails	kg	8.00					
	Exterior Walls Replacements (90%)							
9.26	1"x6" S4S lumber	Lft	6,222.00					
	Others							
9.15	Ceiling Vent 1" x 12" x 4' with Screen	pc	20.00					
	Blackboards							
	S4S Lumber, Kiln Dried, Tanguile	sq.m	40.32					
	Lawanit, 1/4" thk	pc	42.00					
	Finishing Nails	kg	9.00					
	Common Wire Nails	kg	42.00					
	Concrete Nails	kg	9.00					
	Sub-total							
	Roughing-ins							
10.01	Electrical Conduit uPVC, 15mmØ	pc	350					
10.08	RSC 32mmØ	pc	1					
10.35	Entrance Cap 32mm dia.	pc	1					
10.16	Junction Box, 4" x 4" G.I.	pc	206					
10.17	Utility Box, 2" x 4" G.I.	pc	180					
10.37	Grounding Rod, 2.4m x 16mm dia.	pc	1					
	Wires & Fixtures							
10.13	8.0 mm2 THW Wire, Stranded	m	210					
10.11	3.5 mm2 THW Wire, Stranded	m	2100					
10.28	Duplex C.O with Plate with grounding	set	36					
	1 - Gang C.O with Plate with grounding	set	36					
	3-Gang Switch with Plate with LED indicator'	pc	9					
	12 Branches Panel Board Centermain, with 100AT Main breaker, 5 - 15AT CB, 2P, 5 - 20AT CB, 2P. NEMA 3R Enclosure, Surface Type 150AF, with grounding bus bar	assy	1					
	2 x 18 Watts, LED Luminaire Complete with Hanger accessories	assy	48					
	Surface Type Pinlights, with 10 watts LED Bulb	set	14					
	65 Watts Orbit fan (wall mounted)	set	39					
	Electrical Tape	pc	70					
	Fire Alarm Bell, Vibrating Type (8" Ø)	set	1					
	Fire Alarm Station, Manual Single Action	set	1					
	Fire Extinguisher	pc	7					
	Sub-total							
13.00	Painting Works							
	Concrete surfaces	sq.m	260.00					
13.18	Neutralizer	gal	6.00					
13.01	Latex, Flat	gal	9.00					
13.02	Latex, Semi Gloss	gal	9.00					
13.20	Acri Color	qrt	6.00					
	Wood surfaces	sq.m	3,404.98					
13.04	Enamel, Flatwall	gal	170.33					
13.15	Glazing Putty	gal	170.33					
13.05	Enamel, Semi Gloss	gal	170.33					
13.16	Paint Thinner	gal	85.17					
	Flooring	sq.m	472.50					
13.32	Wood Bleach #1	L	24.50					
13.33	Wood Bleach #2	L	24.50					
13.31	Valspar	gal	24.50					
13.22	Sanding Sealer	gal	24.50					
13.35	Polytuff	qrt	17.50					
13.43	Sand Paper #100	m	17.50					
13.44	Sand Paper #80	m	17.50					
	Sub-total							
I.	Direct Cost							
II.	Indirect Cost (17% of (I-Gen Req))							
III.	Tax (5% of I & II)							
IV.	Total Construction Cost (I + II + III)							

LOT 3 – TAMBUAN ELEMENTARY SCHOOL



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

PROGRAM OF WORKS
BILL OF QUANTITIES

GAB 2020 - CAR - Mountain Province - 002

School : TAMBUAN ELEMENTARY SCHOOL	Date:
School I.D : 136248	Budget Allocation:
Region : CAR	Engineering and Administrative Overhead:
Division : MOUNTAIN PROVINCE	Approved Budget for the Contract:
Project Title : : RESTORATION OF GABALDON BUILDING 4 CLASSROOMS	Completion Period: 180 calendar days
	Minimum Required Manpower:
	General Foreman Welder Carpenter Helper Mason Painter
Dimension: 9mx32m	Minimum Required Equipment:

Location : BESAO, MOUNTAIN PROVINCE	Hand Tools Welding Machine
	One-Bagger Mixer Bar Cutter

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
	GENERAL REQUIREMENTS		lot	1.00		
1 STY 4 CL Gabaldon Bldg. 9mx32m						
1.000	Earth Works		lot	1.00		
2.000	Concreting Works		lot	1.00		
3.000	Rebar Works		lot	1.00		
4.000	Formworks		lot	1.00		
5.000	Masonry Works		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		lot	1.00		
10.000	Electrical Works		lot	1.00		
13.000	Painting Works		lot	1.00		
	Sub-Total				-	
II. INDIRECT COST 17% of (I)						
	Overhead Expenses (5%)				-	
	Contingencies (3%)				-	
	Miscellaneous (1%)				-	
	Contractor's Profit (8%)				-	
	Sub-Total				-	
III. TAX 8% of (I+II)						
	Sub-Total				-	
	IV. TOTAL CONSTRUCTION COST (I + II + III)	-			-	



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

DETAILED ESTIMATE

PROJECT : RESTORATION OF GABALDON BUILDING 4 CLASSROOMS
 SCHOOL : TAMBUAN ELEMENTARY SCHOOL
 LOCATION : BESAO, MOUNTAIN PROVINCE
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Brass marker	lot	1.00					
	Outdoor signage	lot	1.00					
	Other Permit Fee	lot	1.00					
	Transshipment & Hauling cost	lot	1.00					
	Sub-total							
1 STY 4 CL Gabaldon Bldg. 9mx32m								
1.0000	Earth Works							
1.0600	Soil Poisoning	sq m	378.00					
1.0200	Structural Excavation & leveling	cu.m	216.00					
2.0300	Leveling	cu.m	190.00					
	Sub-total							
2.0000	Concreting Works							
	Concrete pedestal w/ footing & beams	cu.m	208.00					
2.01	Demolition of reinforced concrete	cu.m	1,891.00					
2.02	Portland Cement	bag	167.00					
2.03	Crushed Gravel 3/4"	cu.m	146.00					
	Concrete step @ front & right side	cu.m	9.00					
2.01	Demolition of reinforced concrete	cu.m	80.00					
2.02	Portland Cement	bag	8.00					
2.03	Crushed Gravel 3/4"	cu.m	7.00					
	slab on grade	cu.m	33.00					
2.01	Demolition of reinforced concrete	cu.m	295.00					
2.02	Portland Cement	bag	26.00					
2.03	Crushed Gravel 3/4"	cu.m	23.00					
	Sub-total							
3.0000	Rebar Works							
3.05	Deformed Round Bars, Grade 40	kg	14,822.00					
3.12	G.I. Tie Wire	kg	267.00					
	Sub-total							
4.0000	Formworks							
4.01	Coco Lumber	bd.ft	3,871.00					
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	112.00					
4.04	CWN, Assorted	kg	78.00					
	Sub-total							
5.0000	Masonry Works							
	Retaining wall	sq.m.	279.00					
5.02	CHB 6" thk	pc	3,488.00					
2.02	Portland Cement	bag	168.00					
2.05	Washed Sand	cu.m	17.00					
3.05	Deformed Round Bars, Grade 40	kg	660.00					
3.12	G.I. Tie Wire	kg	18.00					
	Plastering	sq.m	558.00					
2.02	Portland Cement	bag	185.00					
2.05	Washed Sand	cu.m	19.00					
	Sub-total							
6.0000	Doors and Windows							
6.0100	Removal of Door with Jamb	set	8.00					
6.0310	D-1,KD and Termite treated Single Leaf Panel Door 1.0m x 2.10m on 50mm x 150mm Wooden Jamb complete with Accessories and lever type lockset	set	8.00					
	Heavy Duty Stainlesssteel Lockset (FOR GABALDON BLDG.)	set	8.00					

6.0200	Removal of Window with Jamb	sq.m	206.00				
	W-1, Wooden Capiz Type Window 3.90m x 2.90m , Pivot/Awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	8.00				
	W-2, Wooden Capiz Type Window 2.90m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	8.00				
	W-3, Wooden Capiz Type Window 2.10m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	6.00				
	Fixed Capiz High Window Opening (front only) w/ wooden mouldings	sq.m.	11.00				
	Sub-total						
7.0000	Steel Works						
	Roof truss & roof frame						
7.0120	LC 150 x 65 x 20 x 2.0mm	kg	180.00				
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	159.00				
7.1900	Plain Round Bar 16mmØ x 6m	pc	36.00				
7.2100	Turn Buckle 12 mmØ	pc	64.00				
7.0900	L 50 x 50 x 6mm	kg	987.00				
7.1020	L 40 x 40 x 5mm	kg	115.00				
7.1030	L 25 x 25 x 3mm	kg	77.00				
13.1210	Primer, Red Oxide	gal	11.00				
	Steel railings at step						
7.2600	G.I. Pipe 2"Ø Sch.40	pc	9.00				
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	8.00				
7.2500	Square Bar 12mm□	pc	32.00				
	Steel railings at corridor						
7.2800	Tubular 50mm x 150mm x 2.0mm	pc	18.00				
7.2900	Tubular 50mm x 100mm x 1.5mm	pc	24.00				
	Steel post & girt						
7.0300	Channel bar 2"x6"x5/16"	kg	2,595.00				
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	1.00				
7.5200	Metal grinding disk 4" ø	pc	4.00				
7.5300	Metal cutting disk 12" ø	pc	3.00				
7.3600	Welding Rod	kg	85.00				
7.4900	Steel Deck 0.90mm thk.	sq.m.	324.00				
	Sub-total						
8.0000	Roofing Works						
8.0100	Removal of Roofing Sheets	sq m	476.00				
8.0200	Removal of Ridge Roll	pc	16.00				
8.0300	Removal of Flashing	pc	13.00				
8.0400	Removal of Gutter	pc	32.00				
8.0500	Removal of Fascia Board	pc	45.00				
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	529.00				
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	16.00				
8.0810	Flashing, Pre-Painted, Ordinary, 0.915m x 2.440m x 0.4mm thk	pc	13.00				
8.0700	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	32.00				
8.0700	Gutter, Holder 1/4" x 3/4"	pc	96.00				
8.0900	J-Bolt (6mm dia.)	pc	13,223.00				
8.1100	Blind Rivets	pc	4,628.00				
8.1300	Roof Sealant	L	12.00				
12.0600	PVC Downspout Pipe 3"Ø x 3.0m	pc	56.00				
12.1000	PVC Elbow 90° x 3"Ø	pc	42.00				
12.3000	PVC Cement	can	7.00				
12.2900	Roof Drain	pc	16.00				
	Sub-total						
9.0000	Ceiling and Carpentry Works						
	Interior ceiling (Total Replacement)						
9.0100	Removal of Ceiling	sq.m	288.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	100.00				
9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	144.00				
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	144.00				
9.1700	flathead steel screw	bd.ft	4,500.00				
9.2100	Finishing Nails	kg	7,200.00				
8.1100	Blind Rivets	pc	6.00				
9.2200	Concrete Nails	kg	16.00				
	Exterior ceiling (Total Replacement)	sq.m.	-				
9.0100	Removal of Ceiling	sq.m	106.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	37.00				

9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	53.00				
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	53.00				
9.1700	flathead steel screw	bd.ft	1,657.00				
8.1100	Blind Rivets	pc	2,650.00				
9.2200	Concrete Nails	kg	3.00				
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	34.00				
9.1900	Ceiling Vent 12" width w/ Screen 1"x1" tubular frame & longitudinal spaced @ 50mm	L	104.00				
	<i>Exterior Walls (Total Replacement)</i>		-				
9.0090	Removal of dilapidated wooden wallings	sq.m	216.00				
9.0500	Prepainted Metal wall cladding 0.40mm thk.	L.m.	240.00				
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	14.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	144.00				
8.1100	Blind Rivets	pc	5,400.00				
9.2200	Concrete Nails	kg	14.00				
8.1000	Teckscrew 2-1/2"	pc	3,240.00				
	<i>Wall partitions</i>						
9.0090	Removal of dilapidated wooden wallings	sq.m	76.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	53.00				
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	6.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	51.00				
8.1100	Blind Rivets	pc	1,890.00				
9.2200	flathead steel screw	kg	2,363.00				
9.2200	Concrete Nails	kg	3.00				
8.1000	Teckscrew 2-1/2"	pc	1,134.00				
	<i>Blackboards</i>						
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	147.00				
9.2000	Lawanit, 1/4" thk	pc	8.00				
9.2100	Finishing Nails	kg	1.00				
4.0400	CWN, Assorted	kg	3.00				
9.2200	Concrete Nails	kg	1.00				
	<i>New interior walls (double walling)w/ groove</i>						
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	75.00				
9.0500	flathead steel screw	pc	3,375.00				
	<i>Others</i>						
6.1900	Decorative Lattice work @ corridor	set	22.00				
	Sub-total						
10.0000	Electrical Works						
	<i>Roughing-ins</i>						
10.0100	Electrical Conduit uPVC, 15mmØ	pc	100.00				
10.0490	modflex 1/2" ø	pc	2.00				
10.0490	RSC 20mmØ	pc	1.00				
10.0800	Entrance Cap 20mm dia.	pc	1.00				
10.1200	Junction Box, 4" x 4" G.I.	pc	28.00				
10.1300	Utility Box, 2" x 4" G.I.	pc	24.00				
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00				
	<i>Wires & Fixtures</i>						
10.1600	3.5 mm ² THHN Wire, Stranded	m	3,111.00				
10.1900	30.0 mm ² THHN Wire, Stranded	m	20.00				
10.2700	Duplex Convenience Outlet, Grounding Type,	set	8.00				
10.3200	3 Single Pole Wall Switches in One Switch Plate	set	8.00				
10.2900	Single Pole Wall Switch in One Switch Plate (10	set	8.00				
10.3400	2 - 26W, 230V, 60Hz, AC Fluorescent Lighting	set	24.00				
10.5500	steel hanger w/ ceiling anchorage, painted	pc	24.00				
10.5400	Ceiling Receptacle 3-1/2"Ø	set	24.00				
10.5100	Fire Alarm Bell, Vibrating Type	set	1.00				
10.5200	Fire Alarm Station, Manual Single Action	set	1.00				
10.3900	Panel Box, Flush Type, 12 Branches	set	1.00				
10.4600	Circuit Breaker, 100A 2P	set	1.00				
10.4100	Circuit Breaker, 20A 2P	set	6.00				
10.4200	Circuit Breaker, 30A 2P	set	6.00				
10.4200	20mm dia surface mounted pinlight	set	4.00				
10.4200	300mm dia. Globe diffuser w/ metal hanger	set	4.00				
10.5400	Wall Fan, 60W, 230V, 60Hz	set	8.00				
10.5500	Electrical Tape	pc	8.00				
	Sub-total						
13.0000	Painting Works						
	<i>Wood Surfaces</i>						
13.0600	Enamel, Flatwall	sq.m	762.00				
13.0800	Enamel, Semi Gloss	gal	39.00				
13.0900	Paint Thinner	gal	77.00				
13.0900	Paint Thinner	L	29.00				
13.0600	Roller Brush 7"	pc	4.00				
13.0800	Paint Brush 2"	pc	18.00				

13.0900	Sand Paper #100	m	13.00				
	Blackboards	sq.m	24.00				
13.0600	Enamel, Flatwall	gal	2.00				
13.0800	Blackboard slating paint green	gal	3.00				
13.0900	Paint Thinner	L	2.00				
	Metal Surfaces (Ballusters & Railings wood design painted)						
13.1210	Primer, Red Oxide	gal	2.00				
13.0700	Easy Tite	gal	2.00				
13.0800	Enamel, Semi Gloss	gal	3.00				
13.0900	Paint Thinner	L	2.00				
13.1300	Tinting Color	qrt	3.00				
	Sub-total						
	DIRECT COST						0.00
	INDIRECT COST 17% of (I)						0.00
	TAX 5% of (I + II)						0.00
	TOTAL CONSTRUCTION COST (I + II + III)						0.00

LOT 4 – BALAOA ELEMENTARY SCHOOL
AND
DACUDAC ELEMENTARY SCHOOL



LOT 4

Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wengal, La Trinidad, Benguet

PROGRAM OF WORKS
BILL OF QUANTITIES

GAB 2020 - CAR- Mountain Province - 005

School : BALAOA ELEMENTARY SCHOOL	Date:
School I.D : 136356	Budget Allocation:
Region : CAR	Engineering and Administrative Overhead:
Division : MOUNTAIN PROVINCE	Approved Budget for the Contract:
Project Title :	Completion Period: 180 calendar days
: RESTORATION OF GABALDON BUILDING 2 CLASSROOMS	Minimum Required Manpower:
	General Foreman Welder Carpenter
	Helper Mason Painter
Dimension: 9m x 18m	Minimum Required Equipment:
	Hand Tools Welding Machine
	One-Bagger Mixer Bar Cutter

Location : TADIAN, MOUNTAIN PROVINCE

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
	GENERAL REQUIREMENTS		lot	1.00		
1 STY 2 CL Gabaldon Bldg. 9mx18m						
1.000	Earth Works		lot	1.00		
2.000	Concreting Works		lot	1.00		
3.000	Rebar Works		lot	1.00		
4.000	Formworks		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		lot	1.00		
10.000	Electrical Works		lot	1.00		
13.000	Painting Works		lot	1.00		
	Sub-Total					
II. INDIRECT COST 17% of (I)						
	Overhead Expenses (8%)					
	Contingencies (3%)					
	Miscellaneous (1%)					
	Contractor's Profit (10%)					
	Sub-Total					
III. TAX 5% of (I+II)						
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					

LOT 4



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

**PROGRAM OF WORKS
 DETAILED COST ESTIMATE**

PROJECT : RESTORATION OF GABALDON BUILDING 2 CLASSROOMS
 SCHOOL : BALAOA ELEMENTARY SCHOOL
 LOCATION : TADIAN, MOUNTAIN PROVINCE
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Brass marker	lot	1.00					
	Outdoor signage	lot	1.00					
	Other Permit Fee	lot	1.00					
	Transshipment & Hauling cost	lot	1.00					
	Sub-total							
1 STY 2 CL Gabaldon Bldg. 9mx18m								
1.0000	Earth Works							
1.0200	Structural Excavation	cu.m	80.00					
	Sub-total							
2.0000	Concreting Works							
	Concrete pedestal w/ footing, beams & slab	cu.m	52.00					
2.01	Demolition of reinforced concrete	cu.m	3.00					
2.02	Portland Cement	bag	42.00					
2.03	Crushed Gravel 3/4"	cu.m	37.00					
2.05	Washed Sand	cu.m	32.00					
	Concrete step @ front & right side	cu.m	9.00					
2.02	Portland Cement	bag	8.00					
2.03	Crushed Gravel 3/4"	cu.m	7.00					
2.05	Washed Sand	cu.m	6.00					
	Sub-total							
3.0000	Rebar Works							
3.05	Deformed Round Bars, Grade 40	kg	9,660.00					
3.12	G.I. Tie Wire	kg	140.00					
	Sub-total							
4.0000	Formworks							
4.01	Coco Lumber	bd.ft	1,262.00					
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	37.00					
4.04	CWN, Assorted	kg	26.00					
	Sub-total							
6.0000	Doors and Windows							
6.0100	Removal of Door with Jamb	set	4.00					
6.0310	D-1,KD and Termite treated Single Leaf Panel Door 1.0m x 2.10m on 50mm x 150mm Wooden Jamb complete with Accessories and lever type lockset	set	4.00					
	Heavy Duty Stainlesssteel Lockset (FOR GABALDON BLDG.)	set	4.00					
6.0200	Removal of Window with Jamb	sq.m	115.00					
	W-1, Wooden Capiz Type Window 3.90m x 2.90m , Pivot/Awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	4.00					
	Fixed Capiz High Window Opening (front only) w/ wooden mouldings	sq.m.	11.00					
	Sub-total							
7.0000	Steel Works							
	Roof truss & roof frame							
7.0120	LC 150 x 65 x 20 x 2.0mm	kg	1,900.00					
7.0210	LC 255 x 90 x 25 x 5.0mm	kg	374.00					
7.1900	Plain Round Bar 16mmØ x 6m	pc	10.00					
7.2100	Turn Buckle 12 mmØ	pc	20.00					

7.0810	L 75 x 75 x 6mm	kg	1,750.00				
7.0900	L 50 x 50 x 6mm	kg	1,446.00				
7.1030	L 25 x 25 x 3mm	kg	74.00				
13.1210	Primer, Red Oxide	gal	9.00				
	Steel railings at step						
7.2600	G.I. Pipe 2"Ø Sch.40	pc	9.00				
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	8.00				
7.2500	Square Bar 12mm	pc	32.00				
	Steel railings at corridor		18.00				
7.2800	Tubular 50mm x 150mm x 2.0mm	pc	6.00				
7.2900	Tubular 50mm x 100mm x 1.5mm	pc	15.00				
	Steel girt						
7.0300	Channel bar 2"x6"x5/16"	kg	1,318.00				
7.3600	Welding Rod	kg	20.00				
	Sub-total						
8.0000	Roofing Works						
8.0100	Removal of Roofing Sheets	sq m	264.00				
8.0200	Removal of Ridge Roll	pc	11.00				
8.0300	Removal of Flashing	pc	12.00				
8.0500	Removal of Fascia Board	pc	34.00				
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	294.00				
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	11.00				
8.0810	Flashing, Pre-Painted, Ordinary, 0.915m x 2.440m x 0.4mm thk	pc	12.00				
8.0700	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	22.00				
8.0700	Gutter, Holder 1/4" x 3/4"	pc	66.00				
8.0900	J-Boft (6mm dia.)	pc	7,334.00				
8.1100	Blind Rivets	pc	2,560.00				
8.1300	Roof Sealant	L	12.00				
12.0600	PVC Downspout Pipe 3"Ø x 3.0m	pc	30.00				
12.1000	PVC Elbow 90° x 3"Ø	pc	40.00				
12.3000	PVC Cement	can	5.00				
12.2900	Roof Drain	pc	10.00				
	Sub-total						
9.0000	Ceiling and Carpentry Works						
	Interior ceiling (Total Replacement)						
9.0100	Removal of Ceiling	sq.m	126.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	44.00				
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	560.00				
9.1900	Wood Preservative, Brown	L	3.00				
4.0400	CWN, Assorted	kg	12.00				
9.2100	Finishing Nails	kg	5.00				
9.2200	Concrete Nails	kg	7.00				
	Exterior ceiling (Total Replacement)						
9.0100	Removal of Ceiling	sq.m	87.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	30.00				
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	380.00				
9.1900	Wood Preservative, Brown	L	2.00				
4.0400	CWN, Assorted	kg	8.00				
9.2200	Concrete Nails	kg	2.00				
9.1400	25mm x 25mm x 300mm Wood slats @25mm clear spacing ceiling ventilation (provide stainless steel wire mesh inside)	pc	10.00				
	Exterior Walls (Total Replacement)						
9.0090	Removal of dilapidated wooden wallings	sq.m	200.00				
9.0500	Prepainted Metal wall cladding 0.40mm thk.	L.m.	104.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	134.00				
8.1100	Blind Rivets	pc	5,000.00				
9.2200	Concrete Nails	kg	6.00				
8.1000	Teckscrew 2-1/2"	pc	3,000.00				
	Wall partitions						
9.0090	Removal of dilapidated wooden wallings	sq.m	30.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	21.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	20.00				
8.1100	Blind Rivets	pc	735.00				
9.2200	flathead steel screw	kg	919.00				
9.2200	Concrete Nails	kg	2.00				
8.1000	Teckscrew 2-1/2"	pc	441.00				
	Blackboards						
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	74.00				
9.2000	Lawanit, 1/4" thk	pc	4.00				
9.2100	Finishing Nails	kg	1.00				
4.0400	CWN, Assorted	kg	2.00				
9.2200	Concrete Nails	kg	1.00				

	New Interior walls (double walling)/w/ groove							
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	70.00					
9.0500	flathead steel screw	pc	3,125.00					
	Sub-total							
10.0000	Electrical Works							
	Roughing-ins							
10.0100	Electrical Conduit uPVC, 15mmØ	pc	75.00					
10.0490	modflex 1/2" ø	Roll	1.00					
10.0490	RSC 20mmØ	pc	1.00					
10.0800	Entrance Cap 20mm dia.	pc	1.00					
10.1200	Junction Box, 4" x 4" G.I.	pc	8.00					
10.1300	Utility Box, 2" x 4" G.I.	pc	8.00					
	Wires & Fixtures							
10.1600	3.5 mm ² THHN Wire, Stranded	m	1,556.00					
10.1900	30.0 mm ² THHN Wire, Stranded	m	20.00					
10.2700	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	4.00					
10.3200	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	4.00					
10.2900	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	2.00					
10.3400	2 - 28W, 230V, 60Hz, AC Fluorescent Lighting Fixture, (Box Type)	set	12.00					
10.5500	steel hanger w/ ceiling anchorage, painted	pc	12.00					
10.5400	Ceiling Receptacle 3-1/2"Ø	set	12.00					
10.3800	Panel Box, Flush Type, 8 Branches	set	1.00					
10.4600	Circuit Breaker, 100A 2P	set	1.00					
10.4100	Circuit Breaker, 20A 2P	set	3.00					
10.4200	Circuit Breaker, 30A 2P	set	3.00					
10.3500	1 - 28W, 230V, 60Hz, AC Fluorescent Lighting	set	3.00					
10.5500	Electrical Tape	pc	6.00					
	Sub-total							
13.0000	Painting Works							
	Wood Surfaces	sq.m	442.00					
13.0600	Enamel, Flatwall	gal	23.00					
13.0800	Enamel, Semi Gloss	gal	45.00					
13.0900	Paint Thinner	L	17.00					
13.0600	Roller Brush 7"	pc	4.00					
13.0800	Paint Brush 2"	pc	18.00					
13.0900	Sand Paper #100	m	13.00					
	Blackboards	sq.m	12.00					
13.0600	Enamel, Flatwall	gal	1.00					
13.0800	Blackboard slating paint green	gal	2.00					
13.0900	Paint Thinner	L	1.00					
	Metal Surfaces (Ballusters & Railings wood design painted)							
13.1210	Primer, Red Oxide	gal	2.00					
13.0700	Easy Tite	gal	2.00					
13.0800	Enamel, Semi Gloss	gal	3.00					
13.0900	Paint Thinner	L	2.00					
13.1300	Tinting Color	qrt	3.00					
	Sub-total							
	DIRECT COST							.
	INDIRECT COST 17% of (I)							.
	TAX 5% of (I + II)							.
	TOTAL CONSTRUCTION COST (I + II + III)							.



LOT 4 - DACUDAC ES

Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

PROGRAM OF WORKS
BILL OF QUANTITIES

GAB 2020 - CAR- Mountain Province - 004

School : DACUDAC ELEMENTARY SCHOOL	Date:
School I.D : 136363	Budget Allocation:
Region : CAR	Engineering and Administrative Overhead:
Division : MOUNTAIN PROVINCE	Approved Budget for the Contract:
Project Title : : RESTORATION OF GABALDON BUILDING 2 CLASSROOMS	Completion Period: 180 calendar days
	Minimum Required Manpower:
	General Foreman Welder Carpenter Helper Mason Painter
Dimension: 9m x 18m	Minimum Required Equipment:
Location : TADIAN, MOUNTAIN PROVINCE	Hand Tools Welding Machine
	One-Bagger Mixer Bar Cutter

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
	GENERAL REQUIREMENTS		lot	1.00		
	1 STY 4 CL Gabaldon Bldg. 9mx18m					
1.000	Earth Works		lot	1.00		
2.000	Concreting Works		lot	1.00		
3.000	Rebar Works		lot	1.00		
4.000	Formworks		lot	1.00		
5.000	Masonry Works		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		lot	1.00		
10.000	Electrical Works		lot	1.00		
13.000	Painting Works		lot	1.00		
	Sub-Total					
	II. INDIRECT COST 17% of (I)					
	Overhead Expenses (5%)					
	Contingencies (3%)					
	Miscellaneous (1%)					
	Contractor's Profit (8%)					
	Sub-Total					
	III. TAX 5% of (I+II)					
	Sub-Total					
	IV. TOTAL CONSTRUCTION COST (I + II + III)					



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

PROGRAM OF WORKS
DETAILED COST ESTIMATE

PROJECT : RESTORATION OF GABALDON BUILDING 2 CLASSROOMS
 SCHOOL : DACUDAC ELEMENTARY SCHOOL
 LOCATION : TADIAN, MOUNTAIN PROVINCE
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNT	QTY	UNT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Brass marker	lot	1.00					
	Outdoor signage	lot	1.00					
	Other Permit Fee	lot	1.00					
	Transshipment & Hauling cost	lot	1.00					
	Sub-total							
1 STY 4 CL Gabaldon Bldg. 9mx18m								
1.0000	Earth Works							
1.0600	Soil Poisoning	sq m	189.00					
1.0200	Structural Excavation	cu.m	108.00					
2.0300	Leveling w/ earth disposal & site improvement	cu.m	120.00					
	Sub-total							
2.0000	Concreting Works							
	<i>Concrete pedestal w/ footing & beams</i>	cu.m	104.00					
2.01	Demolition of reinforced concrete	cu.m	964.00					
2.02	Portland Cement	bag	84.00					
2.03	Crushed Gravel 3/4"	cu.m	73.00					
2.05	Washed Sand	cu.m	63.00					
	<i>Concrete step @ front & right side</i>	cu.m	9.00					
2.01	Demolition of reinforced concrete	cu.m	80.00					
2.02	Portland Cement	bag	8.00					
2.03	Crushed Gravel 3/4"	cu.m	7.00					
2.05	Washed Sand	cu.m	6.00					
	<i>slab on grade</i>	cu.m	17.00					
2.01	Demolition of reinforced concrete	cu.m	148.00					
2.02	Portland Cement	bag	13.00					
2.03	Crushed Gravel 3/4"	cu.m	12.00					
2.05	Washed Sand	cu.m	10.00					
	Sub-total							
3.0000	Rebar Works							
3.05	Deformed Round Bars, Grade 40	kg	12,224.00					
3.12	G.I. Tie Wire	kg	221.00					
	Sub-total							
4.0000	Formworks							
4.01	Coco Lumber	bd.ft	2,241.00					
4.02	Phywood Ordinary, 1/4" x 4' x 8'	pc	65.00					
4.04	CWN, Assorted	kg	45.00					
	Sub-total							
5.0000	Masonry Works							
	<i>Retaining wall</i>	sq.m	201.00					
5.02	CHB 6" thk	pc	3,488.00					
2.02	Portland Cement	bag	168.00					
2.05	Washed Sand	cu.m	17.00					
3.05	Deformed Round Bars, Grade 40	kg	860.00					
3.12	G.I. Tie Wire	kg	18.00					
	<i>Plastering</i>	sq.m	402.00					
2.02	Portland Cement	bag	185.00					
2.05	Washed Sand	cu.m	19.00					
	Sub-total							
6.0000	Doors and Windows							
6.0100	Removal of Door with Jamb	set	4.00					

6.0310	D-1, KD and Termite treated Single Leaf Panel Door 1.0m x 2.10m on 50mm x 150mm Wooden Jamb complete with Accessories and lever type lockset	set	4.00					
	Heavy Duty Stainlesssteel Lockset (FOR GABALDON BLDG.)	set	4.00					
6.0200	Removal of Window with Jamb	sq.m	109.00					
	W-1, Wooden Capiz Type Window 3.90m x 2.90m , Pivot/Awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	4.00					
	W-2, Wooden Capiz Type Window 2.90m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	4.00					
	W-3, Wooden Capiz Type Window 2.10m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	4.00					
	Fixed Capiz High Window Opening (front only) w/ wooden mouldings	sq.m.	6.00					
	Sub-total							
7.0000	Steel Works							
	Roof truss & roof frame							
7.0120	LC 150 x 65 x 20 x 2.0mm	kg	90.00					
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	80.00					
7.1900	Plain Round Bar 16mmØ x 6m	pc	18.00					
7.2100	Turn Buckle 12 mmØ	pc	32.00					
7.0900	L 50 x 50 x 6mm	kg	494.00					
7.1020	L 40 x 40 x 5mm	kg	58.00					
7.1030	L 25 x 25 x 3mm	kg	39.00					
13.1210	Primer, Red Oxide	gal	6.00					
	Steel railings at step							
7.2600	G.I. Pipe 2"Ø Sch.40	pc	9.00					
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	8.00					
7.2500	Square Bar 12mm□	pc	32.00					
	Steel railings at corridor							
7.2800	Tubular 50mm x 150mm x 2.0mm	pc	18.00					
7.2900	Tubular 50mm x 100mm x 1.5mm	pc	24.00					
	Steel post & girt							
7.0300	Channel bar 2"x6"x5/16"	kg	2,157.00					
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	1.00					
7.5200	Metal grinding disk 4" ø	pc	4.00					
7.5300	Metal cutting disk 12" ø	pc	3.00					
7.3600	Welding Rod	kg	85.00					
7.4900	Steel Deck 0.80mm thk.	sq.m.	162.00					
	Sub-total							
8.0000	Roofing Works							
8.0100	Removal of Roofing Sheets	sq m	280.00					
8.0200	Removal of Ridge Roll	pc	12.00					
8.0300	Removal of Flashing	pc	13.00					
8.0400	Removal of Gutter	pc	24.00					
8.0500	Removal of Fascia Board	pc	37.00					
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	312.00					
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	12.00					
8.0810	Flashing, Pre-Painted, Ordinary, 0.915m x 2.440m x 0.4mm thk	pc	13.00					
8.0700	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	24.00					
8.0700	Gutter, Holder 1/4" x 3/4"	pc	72.00					
8.0900	J-Bolt (6mm dia.)	pc	7,778.00					
8.1100	Blind Rivets	pc	2,723.00					
8.1300	Roof Sealant	L	12.00					
12.0600	PVC Downspout Pipe 3"Ø x 3.0m	pc	56.00					
12.1000	PVC Elbow 90° x 3"Ø	pc	42.00					
12.3000	PVC Cement	can	7.00					
12.2900	Roof Drain	pc	16.00					
	Sub-total							
9.0000	Ceiling and Carpentry Works							
	Interior ceiling (Total Replacement)							
9.0100	Removal of Ceiling	sq.m	162.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	57.00					
9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	81.00					
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	81.00					
9.1700	flathead steel screw	bd.ft	2,532.00					
8.1100	Blind Rivets	pc	4,050.00					

9.2200	Concrete Nails	kg	9.00				
	Exterior ceiling (Total Replacement)						
9.0100	Removal of Ceiling	sq.m	71.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	25.00				
9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	36.00				
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	36.00				
9.1700	flathead steel screw	bd.ft	1,110.00				
8.1100	Blind Rivets	pc	1,775.00				
9.2200	Concrete Nails	kg	2.00				
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	34.00				
9.1900	Ceiling Vent 12" width w/ Screen 1"x1" tubular frame & longitudinal spaced @ 50mm	L	52.00				
	Exterior Walls (Total Replacement)						
9.0090	Removal of dilapidated wooden wallings	sq.m	155.00				
9.0500	Prepainted Metal wall cladding 0.40mm thk.	L.m.	172.00				
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	10.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	104.00				
8.1100	Blind Rivets	pc	3,870.00				
9.2200	Concrete Nails	kg	10.00				
8.1000	Teckscrew 2-1/2"	pc	2,322.00				
	Wall partitions						
9.0090	Removal of dilapidated wooden wallings	sq.m	26.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	18.00				
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	6.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	17.00				
8.1100	Blind Rivets	pc	630.00				
9.2200	flathead steel screw	kg	788.00				
9.2200	Concrete Nails	kg	1.00				
8.1000	Teckscrew 2-1/2"	pc	378.00				
	Blackboards						
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	74.00				
9.2000	Lawanit, 1/4" thk	pc	4.00				
9.2100	Finishing Nails	kg	1.00				
4.0400	CWN, Assorted	kg	2.00				
9.2200	Concrete Nails	kg	1.00				
	New interior walls (double walling)/ groove						
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	54.00				
9.0500	flathead steel screw	pc	2,419.00				
	Others						
6.1900	Decorative Lattice work @ corridor	set	11.00				
	Sub-total						
10.0000	Electrical Works						
	Roughing-ins						
10.0100	Electrical Conduit uPVC, 15mmØ	pc	75.00				
10.0490	modflex 1/2" ø	pc	1.00				
10.0490	RSC 20mmØ	pc	1.00				
10.0800	Entrance Cap 20mm dia.	pc	1.00				
10.1200	Junction Box, 4" x 4" G.I.	pc	28.00				
10.1300	Utility Box, 2" x 4" G.I.	pc	24.00				
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00				
	Wires & Fixtures						
10.1600	3.5 mm ² THHN Wire, Stranded	m	1,556.00				
10.1900	30.0 mm ² THHN Wire, Stranded	m	20.00				
10.2700	Duplex Convenience Outlet, Grounding Type,	set	4.00				
10.3200	3 Single Pole Wall Switches in One Switch Plate	set	4.00				
10.2900	Single Pole Wall Switch in One Switch Plate (10	set	8.00				
10.3400	2 - 28W, 230V, 60Hz, AC Fluorescent Lighting	set	12.00				
10.5500	steel hanger w/ ceiling anchorage, painted	pc	12.00				
10.5400	Ceiling Receptacle 3-1/2"Ø	set	12.00				
10.5100	Fire Alarm Bell, Vibrating Type	set	1.00				
10.5200	Fire Alarm Station, Manual Single Action	set	1.00				
10.3900	Panel Box, Flush Type, 12 Branches	set	1.00				
10.4600	Circuit Breaker, 100A 2P	set	1.00				
10.4100	Circuit Breaker, 20A 2P	set	6.00				
10.4200	Circuit Breaker, 30A 2P	set	6.00				
10.4200	20mm dia surface mounted pinlight	set	4.00				
10.4200	300mm dia. Globe diffuser w/ metal hanger	set	4.00				
10.5400	Wall Fan, 60W, 230V, 60Hz	set	8.00				
10.5500	Electrical Tape	pc	8.00				
	Sub-total						
13.0000	Painting Works						
	Wood Surfaces	sq.m	439.00				
13.0600	Enamel, Flatwall	gal	22.00				
13.0800	Enamel, Semi Gloss	gal	44.00				
13.0900	Paint Thinner	L	17.00				

13.0600	Roller Brush 7"	pc	4.00				
13.0800	Paint Brush 2"	pc	18.00				
13.0900	Sand Paper #100	m	13.00				
	Blackboards	sq.m	12.00				
13.0600	Enamel, Flatwall	gal	1.00				
13.0800	Blackboard slating paint green	gal	2.00				
13.0900	Paint Thinner	L	1.00				
	Metal Surfaces (Balusters & Railings wood design painted)						
13.1210	Primer, Red Oxide	gal	2.00				
13.0700	Easy Tite	gal	2.00				
13.0800	Enamel, Semi Gloss	gal	3.00				
13.0900	Paint Thinner	L	2.00				
13.1300	Tinting Color	qrt	3.00				
	Sub-total						
	DIRECT COST						.
	INDIRECT COST 17% of (I)						-
	TAX 5% of (I + II)						-
	TOTAL CONSTRUCTION COST (I + II + III)						-

LOT 5 – BANTEY ELEMENTARY SCHOOL



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

PROGRAM OF WORKS
BILL OF QUANTITIES

GAB 2020 - CAR- Mountain Province - 003

School : BANTEY ELEMENTARY SCHOOL	Date:
School I.D : 136358	Budget Allocation:
Region : CAR	Engineering and Administrative Overhead:
Division : MOUNTAIN PROVINCE	Approved Budget for the Contract:
Project Title :	Completion Period: 180 calendar days
	Minimum Required Manpower:
	General Foreman Welder Carpenter Helper Mason Painter
Dimension: 9m x 32m	Minimum Required Equipment:
	Hand Tools Welding Machine
	One-Bagger Mixer Bar Cutter
Location : TADIAN, MOUNTAIN PROVINCE	

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
GENERAL REQUIREMENTS						
			lot	1.00		
1 STY 4 CL Gabaldon Bldg. 9mx32m						
1.000	Earth Works		lot	1.00		
2.000	Concreting Works		lot	1.00		
3.000	Rebar Works		lot	1.00		
4.000	Formworks		lot	1.00		
5.000	Masonry Works		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		lot	1.00		
10.000	Electrical Works		lot	1.00		
13.000	Painting Works		lot	1.00		
Sub-Total						
II. INDIRECT COST 17% of (I)						
Overhead Expenses (5%)						
Contingencies (3%)						
Miscellaneous (1%)						
Contractor's Profit (8%)						
Sub-Total						
III. TAX 5% of (I+II)						
Sub-Total						
IV. TOTAL CONSTRUCTION COST (I + II + III)						

LOT 5 - BANTEY ELEM SCH.



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

PROGRAM OF WORKS
DETAILED COST ESTIMATE

PROJECT : RESTORATION OF GABALDON BUILDING 4 CLASSROOMS
 SCHOOL : BANTEY ELEMENTARY SCHOOL
 LOCATION : TADIAN, MOUNTAIN PROVINCE
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Brass marker	lot	1.00					
	Outdoor signage	lot	1.00					
	Other Permit Fee	lot	1.00					
	Transshipment & Hauling cost	lot	1.00					
	Sub-total							
1 STY 4 CL Gabaldon Bldg. 9mx32m								
1.0000	Earth Works							
1.0600	Soil Poisoning	sq m	378.00					
1.0200	Structural Excavation & leveling	cu.m	216.00					
2.0300	Leveling w/ earth disposal & site improvement	cu.m	190.00					
	Sub-total							
2.0000	Concreting Works							
	Concrete pedestal w/ footing & beams	cu.m	208.00					
2.01	Demolition of reinforced concrete	cu.m	1,891.00					
2.02	Portland Cement	bag	167.00					
2.03	Crushed Gravel 3/4"	cu.m	146.00					
2.05	Washed Sand	cu.m	125.00					
	Concrete step @ front & right side	cu.m	9.00					
2.01	Demolition of reinforced concrete	cu.m	80.00					
2.02	Portland Cement	bag	8.00					
2.03	Crushed Gravel 3/4"	cu.m	7.00					
2.05	Washed Sand	cu.m	6.00					
	slab on grade	cu.m	33.00					
2.01	Demolition of reinforced concrete	cu.m	295.00					
2.02	Portland Cement	bag	26.00					
2.03	Crushed Gravel 3/4"	cu.m	23.00					
2.05	Washed Sand	cu.m	20.00					
	Sub-total							
3.0000	Rebar Works							
3.05	Deformed Round Bars, Grade 40	kg	14,822.00					
3.12	G.I. Tie Wire	kg	267.00					
	Sub-total							
4.0000	Formworks							
4.01	Coco Lumber	bd.ft	3,871.00					
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	112.00					
4.04	CWN, Assorted	kg	78.00					
	Sub-total							
5.0000	Masonry Works							
	Retaining wall	sq.m.	279.00					
5.02	CHB 6" thk	pc	3,488.00					
2.02	Portland Cement	bag	168.00					
2.05	Washed Sand	cu.m	17.00					
3.05	Deformed Round Bars, Grade 40	kg	860.00					
3.12	G.I. Tie Wire	kg	18.00					
	Plastering	sq.m	558.00					
2.02	Portland Cement	bag	185.00					
2.05	Washed Sand	cu.m	19.00					
	Sub-total							
6.0000	Doors and Windows							
6.0100	Removal of Door with Jamb	set	8.00					
6.0310	D-1,KD and Termite treated Single Leaf Panel Door 1.0m x 2.10m on 50mm x 150mm Wooden Jamb complete with Accessories and lever type lockset	set	8.00					

	Heavy Duty Stainlesssteel Lockset (FOR GABALDON BLDG.)	set	8.00				
6.0200	Removal of Window with Jamb	sq.m	206.00				
	W-1, Wooden Capiz Type Window 3.90m x 2.90m , Pivot/Awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	8.00				
	W-2, Wooden Capiz Type Window 2.90m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	8.00				
	W-3, Wooden Capiz Type Window 2.10m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	6.00				
	Fixed Capiz High Window Opening (front only) w/ wooden mouldings	sq.m.	11.00				
	Sub-total						
7.0000	Steel Works						
	Roof truss & roof frame						
7.0120	LC 150 x 65 x 20 x 2.0mm	kg	180.00				
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	159.00				
7.1900	Plain Round Bar 16mmØ x 6m	pc	36.00				
7.2100	Turn Buckle 12 mmØ	pc	64.00				
7.0900	L 50 x 50 x 6mm	kg	987.00				
7.1020	L 40 x 40 x 5mm	kg	115.00				
7.1030	L 25 x 25 x 3mm	kg	77.00				
13.1210	Primer, Red Oxide	gal	11.00				
	Steel railings at step						
7.2600	G.I. Pipe 2"Ø Sch.40	pc	9.00				
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	8.00				
7.2500	Square Bar 12mm□	pc	32.00				
	Steel railings at corridor						
7.2800	Tubular 50mm x 150mm x 2.0mm	pc	18.00				
7.2900	Tubular 50mm x 100mm x 1.5mm	pc	24.00				
	Steel post & girt						
7.0300	Channel bar 2"x6"x5/16"	kg	2,595.00				
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	1.00				
7.5200	Metal grinding disk 4" ø	pc	4.00				
7.5300	Metal cutting disk 12" ø	pc	3.00				
7.3600	Welding Rod	kg	85.00				
7.4900	Steel Deck 0.80mm thk.	sq.m.	324.00				
	Sub-total						
8.0000	Roofing Works						
8.0100	Removal of Roofing Sheets	sq m	476.00				
8.0200	Removal of Ridge Roll	pc	16.00				
8.0300	Removal of Flashing	pc	13.00				
8.0400	Removal of Gutter	pc	32.00				
8.0500	Removal of Fascia Board	pc	45.00				
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	529.00				
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	16.00				
8.0810	Flashing, Pre-Painted, Ordinary, 0.915m x 2.440m x 0.4mm thk	pc	13.00				
8.0700	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	32.00				
8.0700	Gutter, Holder 1/4" x 3/4"	pc	96.00				
8.0900	J-Bolt (6mm dia.)	pc	13,223.00				
8.1100	Blind Rivets	pc	4,628.00				
8.1300	Roof Sealant	L	12.00				
12.0600	PVC Downspout Pipe 3"Ø x 3.0m	pc	56.00				
12.1000	PVC Elbow 90° x 3"Ø	pc	42.00				
12.3000	PVC Cement	can	7.00				
12.2900	Roof Drain	pc	16.00				
	Sub-total						
9.0000	Ceiling and Carpentry Works						
	Interior ceiling (Total Replacement)						
9.0100	Removal of Ceiling	sq.m	288.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	100.00				
9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	144.00				
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	144.00				
9.1700	flathead steel screw	bd.ft	4,500.00				
9.2100	Finishing Nails	kg	7,200.00				
8.1100	Blind Rivets	pc	6.00				
9.2200	Concrete Nails	kg	16.00				
	Exterior ceiling (Total Replacement)	sq.m.					
9.0100	Removal of Ceiling	sq.m	106.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	37.00				

9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	53.00					
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	53.00					
9.1700	flathead steel screw	bd.ft	1,657.00					
8.1100	Blind Rivets	pc	2,650.00					
9.2200	Concrete Nails	kg	3.00					
9.1430	Fascia Board, Fiber Cement 12" x 8'	pc	34.00					
9.1900	Ceiling Vent 12" width w/ Screen 1"x1" tubular frame & longitudinal spaced @ 50mm	L	104.00					
	<i>Exterior Walls (Total Replacement)</i>							
9.0090	Removal of dilapidated wooden wallings	sq.m	216.00					
9.0500	Prepainted Metal wall cladding 0.40mm thk.	L.m.	240.00					
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	14.00					
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	144.00					
8.1100	Blind Rivets	pc	5,400.00					
9.2200	Concrete Nails	kg	14.00					
8.1000	Teckscrew 2-1/2"	pc	3,240.00					
	<i>Wall partitions</i>							
9.0090	Removal of dilapidated wooden wallings	sq.m	76.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	53.00					
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	6.00					
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	51.00					
8.1100	Blind Rivets	pc	1,890.00					
9.2200	flathead steel screw	kg	2,363.00					
9.2200	Concrete Nails	kg	3.00					
8.1000	Teckscrew 2-1/2"	pc	1,134.00					
	<i>Blackboards</i>							
9.1700	Rough Lumber, Sun Dried, Tangile	bd.ft	147.00					
9.2000	Lawanit, 1/4" thk	pc	8.00					
9.2100	Finishing Nails	kg	1.00					
4.0400	CWN, Assorted	kg	3.00					
9.2200	Concrete Nails	kg	1.00					
	<i>New interior walls (double walling)/ grooves</i>							
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	75.00					
9.0500	flathead steel screw	pc	3,375.00					
	<i>Others</i>							
6.1900	Decorative Lattice work @ corridor	set	22.00					
	Sub-total							
10.0000	Electrical Works							
	<i>Roughing-ins</i>							
10.0100	Electrical Conduit uPVC, 15mmØ	pc	100.00					
10.0490	modflex 1/2" ø	pc	2.00					
10.0490	RSC 20mmØ	pc	1.00					
10.0800	Entrance Cap 20mm dia.	pc	1.00					
10.1200	Junction Box, 4" x 4" G.I.	pc	28.00					
10.1300	Utility Box, 2" x 4" G.I.	pc	24.00					
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00					
	<i>Wires & Fixtures</i>							
10.1600	3.5 mm ² THHN Wire, Stranded	m	3,111.00					
10.1900	30.0 mm ² THHN Wire, Stranded	m	20.00					
10.2700	Duplex Convenience Outlet, Grounding Type,	set	8.00					
10.3200	3 Single Pole Wall Switches in One Switch Plate	set	8.00					
10.2900	Single Pole Wall Switch in One Switch Plate (10	set	8.00					
10.3400	2 - 28W, 230V, 60Hz, AC Fluorescent Lighting	set	24.00					
10.5500	steel hanger w/ ceiling anchorage, painted	pc	24.00					
10.5400	Ceiling Receptacle 3-1/2"Ø	set	24.00					
10.5100	Fire Alarm Bell, Vibrating Type	set	1.00					
10.5200	Fire Alarm Station, Manual Single Action	set	1.00					
10.3900	Panel Box, Flush Type, 12 Branches	set	1.00					
10.4600	Circuit Breaker, 100A 2P	set	1.00					
10.4100	Circuit Breaker, 20A 2P	set	6.00					
10.4200	Circuit Breaker, 30A 2P	set	6.00					
10.4200	20mm dia surface mounted pinlight	set	4.00					
10.4200	300mm dia. Globe diffuser w/ metal hanger	set	4.00					
10.5400	Wall Fan, 60W, 230V, 60Hz	set	8.00					
10.5500	Electrical Tape	pc	8.00					
	Sub-total							
13.0000	Painting Works							
	<i>Wood Surfaces</i>							
13.0600	Enamel, Flatwall	sq.m	762.00					
13.0800	Enamel, Semi Gloss	gal	39.00					
13.0800	Enamel, Semi Gloss	gal	77.00					
13.0900	Paint Thinner	L	29.00					
13.0600	Roller Brush 7"	pc	4.00					
13.0800	Paint Brush 2"	pc	18.00					
13.0900	Sand Paper #100	m	13.00					
	<i>Blackboards</i>							
		sq.m	24.00					

13.0600	Enamel, Flatwall	gal	2.00				
13.0800	Blackboard slating paint green	gal	3.00				
13.0900	Paint Thinner	L	2.00				
	Metal Surfaces (Ballusters & Railings wood design painted)						
13.1210	Primer, Red Oxide	gal	2.00				
13.0700	Easy Tite	gal	2.00				
13.0800	Enamel, Semi Gloss	gal	3.00				
13.0900	Paint Thinner	L	2.00				
13.1300	Tinting Color	qrt	3.00				
	Sub-total						
	DIRECT COST						
	INDIRECT COST 17% of (I)						
	TAX 5% of (I + II)						
	TOTAL CONSTRUCTION COST (I + II + III)						

LOT 6 – KAYAN ELEMENTARY SCHOOL



Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangel, La Trinidad, Benguet

PROGRAM OF WORKS
BILL OF QUANTITIES

GAB 2020 - CAR- Mountain Province - 001

School : KAYAN ELEMENTARY SCHOOL	Date:
School I.D : 136367	Budget Allocation:
Region : CAR	Engineering and Administrative Overhead:
Division : MOUNTAIN PROVINCE	Approved Budget for the Contract:
Project Title : : RESTORATION OF GABALDON BUILDING 6 CLASSROOMS	Completion Period: 180 calendar days
	Minimum Required Manpower:
	General Foreman Welder Carpenter Helper Mason Painter
Dimension: 13.5m x 36m	Minimum Required Equipment:
Location : TADIAN, MOUNTAIN PROVINCE	Hand Tools Welding Machine
	One-Bagger Mixer Bar Cutter

ITEM NO.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
I. DIRECT COST						
GENERAL REQUIREMENTS						
			lot	1.00		
1 STY 6 CL Gabaldon Bldg. 13.5mx36m						
1.000	Earth Works		lot	1.00		
2.000	Concreting Works		lot	1.00		
3.000	Rebar Works		lot	1.00		
4.000	Formworks		lot	1.00		
5.000	Masonry Works		lot	1.00		
6.000	Doors and Windows		lot	1.00		
7.000	Steel Works		lot	1.00		
8.000	Roofing Works		lot	1.00		
9.000	Ceiling and Carpentry Works		lot	1.00		
10.000	Electrical Works		lot	1.00		
11.000	Plumbing Works		lot	1.00		
12.000	Sanitary Works		lot	1.00		
13.000	Painting Works		lot	1.00		
	Sub-Total				-	
II. INDIRECT COST 17% of (I)						
	Overhead Expenses (5%)				-	
	Contingencies (3%)				-	
	Miscellaneous (1%)				-	
	Contractor's Profit (8%)				-	
	Sub-Total				-	
III. TAX 5% of (I+II)						
	Sub-Total				-	
IV. TOTAL CONSTRUCTION COST (I + II + III)						
		-			-	



LOT 6 - KAYAN ELEM SCHOOL

Republic of the Philippines
Department of Education
 CORDILLERA ADMINISTRATIVE REGION
 Wangal, La Trinidad, Benguet

**PROGRAM OF WORKS
 DETAILED COST ESTIMATE**

PROJECT : RESTORATION OF GABALDON BUILDING 6 CLASSROOMS
 SCHOOL : KAYAN ELEMENTARY SCHOOL
 LOCATION : TADIAN, MOUNTAIN PROVINCE
 OWNER : DEPARTMENT OF EDUCATION

ITEM NO.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
GENERAL REQUIREMENTS								
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Safety and Health	lot	1.00					
	Project Billboard	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Brass marker	lot	1.00					
	Outdoor signage	lot	1.00					
	Other Permit Fee	lot	1.00					
	Transshipment & Hauling cost	lot	1.00					
	Sub-total							
1 STY 6 CL Gabaldon Bldg. 13.5mx36m								
1.0000	Earth Works							
1.0600	Soil Poisoning	sq m	242.00					
1.0200	Structural Excavation & leveling	cu.m	232.00					
2.0300	Leveling	cu.m	242.00					
	Sub-total							
2.0000	Concreting Works							
	Concrete pedestal w/ footing & beams	cu.m	199.00					
2.01	Demolition of reinforced concrete	cu.m	1,808.00					
2.02	Portland Cement	bag	159.00					
2.03	Crushed Gravel 3/4"	cu.m	140.00					
	Concrete step @ front & right side	cu.m	15.00					
2.01	Demolition of reinforced concrete	cu.m	129.00					
2.02	Portland Cement	bag	12.00					
2.03	Crushed Gravel 3/4"	cu.m	10.00					
	slab on grade	cu.m	41.00					
2.01	Demolition of reinforced concrete	cu.m	369.00					
2.02	Portland Cement	bag	33.00					
2.03	Crushed Gravel 3/4"	cu.m	29.00					
	Sub-total							
3.0000	Rebar Works							
3.05	Deformed Round Bars, Grade 40	kg	21,953.00					
3.12	G.I. Tie Wire	kg	396.00					
	Sub-total							
4.0000	Formworks							
4.01	Coco Lumber	bd.ft	4,347.00					
4.02	Plywood Ordinary, 1/4" x 4' x 8'	pc	126.00					
4.04	CWN, Assorted	kg	87.00					
	Sub-total							
5.0000	Masonry Works							
	Retaining wall	sq.m	249.00					
5.02	CHB 6" thk	pc	3,113.00					
2.02	Portland Cement	bag	150.00					
2.05	Washed Sand	cu.m	15.00					
3.05	Deformed Round Bars, Grade 40	kg	4,602.00					
3.12	G.I. Tie Wire	kg	93.00					
	Plastering	sq.m	498.00					
2.02	Portland Cement	bag	165.00					
2.05	Washed Sand	cu.m	17.00					
	Sub-total							
6.0000	Doors and Windows							
6.0100	Removal of Door with Jamb	set	12.00					
6.0310	D-1,KD and Termite treated Single Leaf Panel Door 1.0m x 2.10m on 50mm x 150mm Wooden Jamb complete with Accessories and lever type lockset	set	12.00					

	Heavy Duty Stainlesssteel Lockset (FOR GABALDON BLDG.)	set	12.00					
6.0200	Removal of Window with Jamb	sq.m	213.00					
	W-1, Wooden Capiz Type Window 3.90m x 2.90m , Pivot/Awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	8.00					
	W-2, Wooden Capiz Type Window 2.90m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	8.00					
	W-3, Wooden Capiz Type Window 2.10m x 2.90m, pivot/awning type window with fixed transom on solid wood jambs complete with Accessories and lockset	set	6.00					
	Fixed Capiz High Window Opening (front only) w/ wooden mouldings	sq.m.	19.00					
	Sub-total							
7.0000	Steel Works							
	Roof truss & roof frame							
7.0120	LC 150 x 65 x 20 x 2.0mm	kg	40.00					
7.0090	LC 75 x 38 x 15 x 2.0mm	kg	189.00					
7.1900	Plain Round Bar 16mmØ x 6m	pc	48.00					
7.2100	Turn Buckle 12 mmØ	pc	96.00					
7.0900	L 50 x 50 x 6mm	kg	6,247.00					
7.1020	L 40 x 40 x 5mm	kg	3,418.00					
7.1030	L 25 x 25 x 3mm	kg	17.00					
13.1210	Primer, Red Oxide	gal	97.00					
	Steel railings at step							
7.2600	G.I. Pipe 2"Ø Sch.40	pc	7.00					
7.2620	G.I. Pipe 1"Ø Sch. 40	pc	7.00					
7.2500	Square Bar 12mm□	pc	23.00					
	Steel railings at corridor							
7.2800	Tubular 50mm x 150mm x 2.0mm	pc	4.00					
7.2900	Tubular 50mm x 100mm x 1.5mm	pc	8.00					
	Steel post & girt							
7.0300	Channel bar 2"x6"x5/16"	kg	8,128.00					
7.1100	Steel Plate 1.20m x 2.40m x 6mm thk	pc	1.00					
7.5200	Metal grinding disk 4" ø	pc	4.00					
7.5300	Metal cutting disk 12" ø	pc	3.00					
7.3600	Welding Rod	kg	367.00					
7.4900	Steel Deck 0.80mm thk.	sq.m.	405.00					
7.4900	Steel stair @ rear	lot	2.00					
	Sub-total							
8.0000	Roofing Works							
8.0100	Removal of Roofing Sheets	sq m	691.00					
8.0200	Removal of Ridge Roll	pc	53.00					
8.0300	Removal of Flashing	pc	16.00					
8.0400	Removal of Gutter	pc	54.00					
8.0500	Removal of Fascia Board	pc	122.00					
8.0600	G.I. Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.4mm BMT	lm	767.00					
8.0700	G.I. Ridge Roll, Preformed, Pre-Painted, 0.610m x 2.440m x 0.6mm BMT	pc	53.00					
8.0810	Flashing, Pre-Painted, Ordinary, 0.915m x 2.440m x 0.4mm thk	pc	16.00					
8.0700	Gutter, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.4mm thk	pc	54.00					
8.0700	Gutter, Holder 1/4" x 3/4"	pc	162.00					
8.0900	J-Bolt (6mm dia.)	pc	19,173.00					
8.1100	Blind Rivets	pc	6,711.00					
8.1300	Roof Sealant	L	12.00					
12.0600	PVC Downspout Pipe 3"Ø x 3.0m	pc	72.00					
12.1000	PVC Elbow 90° x 3"Ø	pc	54.00					
12.3000	PVC Cement	can	6.00					
12.2900	Roof Drain	pc	18.00					
	Sub-total							
9.0000	Ceiling and Carpentry Works							
	Interior ceiling (Total Replacement)							
9.0100	Removal of Ceiling	sq.m	427.00					
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	149.00					
9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	214.00					
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	214.00					
9.1700	flathead steel screw	bd.ft	6,669.00					
9.2100	Finishing Nails	kg	10,669.00					
8.1100	Blind Rivets	pc	9.00					
9.2200	Concrete Nails	kg	24.00					
	Exterior ceiling (Total Replacement)	sq.m.	#REF!					

9.0100	Removal of Ceiling	sq.m	404.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	141.00				
9.2100	Tubular 50mm x 50mm x 1.5mm x 6m Galvanized	kg	202.00				
9.1000	Metal Double Furring Channel (19mm x 50mm x 3m x 0.5mm thk	pc	202.00				
9.1700	flathead steel screw	bd.ft	6,313.00				
8.1100	Blind Rivets	pc	10,100.00				
9.2200	Concrete Nails	kg	8.00				
9.1430	Fascla Board, Fiber Cement 12" x 8'	pc	34.00				
9.1900	Ceiling Vent 12" width w/ Screen 1"x1" tubular frame & longitudinal spaced @ 50mm	L	104.00				
	<i>Exterior Walls (Total Replacement)</i>						
9.0090	Removal of dilapidated wooden wallings	sq.m	197.00				
9.0500	Prepainted Metal wall cladding 0.40mm thk.	L.m.	219.00				
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	11.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	132.00				
8.1100	Blind Rivets	pc	4,921.00				
9.2200	Concrete Nails	kg	13.00				
8.1000	Teckscrew 2-1/2"	pc	2,953.00				
	<i>Wall partitions</i>						
9.0090	Removal of dilapidated wooden wallings	sq.m	196.00				
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	137.00				
9.2100	50 x 75 x 1.5mm x 6m C-Purlin Galvanized	pc	6.00				
9.1000	50 x 50 x 1.5mm x 6m Metal studs Galvanized	pc	131.00				
8.1100	Blind Rivets	pc	4,900.00				
9.2200	flathead steel screw	kg	6,125.00				
9.2200	Concrete Nails	kg	8.00				
8.1000	Teckscrew 2-1/2"	pc	2,940.00				
	<i>Blackboards</i>						
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	220.00				
9.2000	Lawanit, 1/4" thk	pc	12.00				
9.2100	Finishing Nails	kg	1.00				
4.0400	CWN, Assorted	kg	4.00				
9.2200	Concrete Nails	kg	1.00				
	<i>New Interior walls (double walling)/ groove</i>						
9.0500	Plywood, Marine 1/4" x 4' x 8'	pc	69.00				
9.0500	flathead steel screw	pc	3,076.00				
	<i>Others</i>						
6.1900	Decorative Lattice work @ corridor	set	11.00				
	Sub-total						
10.0000	Electrical Works						
	<i>Roughing-ins</i>						
10.0100	Electrical Conduit uPVC, 15mmØ	pc	150.00				
10.0490	modflex 1/2" ø	pc	2.00				
10.0490	RSC 20mmØ	pc	1.00				
10.0800	Entrance Cap 20mm dia.	pc	1.00				
10.1200	Junction Box, 4" x 4" G.I.	pc	42.00				
10.1300	Utility Box, 2" x 4" G.I.	pc	36.00				
10.1400	Grounding Rod, 2.4m x 16mm dia.	pc	1.00				
	<i>Wires & Fixtures</i>						
10.1600	3.5 mm ² THHN Wire, Stranded	m	4,666.00				
10.1900	30.0 mm ² THHN Wire, Stranded	m	20.00				
10.2700	Duplex Convenience Outlet, Grounding Type,	set	12.00				
10.3200	3 Single Pole Wall Switches in One Switch Plate	set	12.00				
10.2900	Single Pole Wall Switch in One Switch Plate (10	set	8.00				
10.3400	2 - 28W, 230V, 60Hz, AC Fluorescent Lighting	set	36.00				
10.5500	steel hanger w/ ceiling anchorage, painted	pc	36.00				
10.5400	Ceiling Receptacle 3-1/2"Ø	set	36.00				
10.5100	Fire Alarm Bell, Vibrating Type	set	1.00				
10.5200	Fire Alarm Station, Manual Single Action	set	1.00				
10.3900	Panel Box, Flush Type, 12 Branches	set	1.00				
10.4600	Circuit Breaker, 100A 2P	set	1.00				
10.4100	Circuit Breaker, 20A 2P	set	6.00				
10.4200	Circuit Breaker, 30A 2P	set	6.00				
10.4200	20mm dia surface mounted pinlight	set	3.00				
10.4200	300mm dia. Globe diffuser w/ metal hanger	set	3.00				
10.5400	Wall Fan, 60W, 230V, 60Hz	set	12.00				
10.5500	Electrical Tape	pc	12.00				
	Sub-total						
11.0000	Plumbing Works						
	<i>Repair of Comfort Room</i>						
11.0100	Water Closet Flange	set	4.00				
11.0200	Water Closet 1.6gpf with Accessories	set	4.00				

11.0400	Concrete Counter Sink Type, with Lever Type Faucet and Complete Accessories	set	2.00				
11.0500	Faucet, Hose Bibb, Brass 1/2"Ø	pc	8.00				
11.1100	PP-R Pipe 1/2"Ø x 4.0m	pc	16.00				
11.2200	PP-R Elbow 90° x 1/2"Ø	pc	30.00				
11.1600	PP-R Coupling, 1/2"Ø	pc	12.00				
11.2700	PP-R Tee, 1/2"Ø	pc	15.00				
11.4300	Tissue Holder	pc	4.00				
11.4400	S.S. Grab Rail 1-1/2"Ø	set	2.00				
11.4500	Mirror	sq.ft	2.00				
14.0210	Unglazed Floor Tiles 20cm x 20cm	pc	812.00				
14.0110	Glazed Wall Tiles 20cm x 20cm	pc	800.00				
14.0300	Tile Adhesive 25 kg/bag	bag	12.00				
14.0400	Tile Trim 6mm	pc	4.00				
14.0500	Tile Grout 5 kg/bag	bag	6.00				
	Sub-total						
12.0000	Sanitary Works						
12.0100	Catch Basin	unit	20.00				
12.0110	Three Chamber Septic Vault	unit	1.00				
12.0400	PVC Sanitary Pipe 6"Ø x 3.0m	pc	10.00				
12.0500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	8.00				
12.0900	PVC Sanitary Elbow 90° x 4"Ø	pc	4.00				
12.1600	PVC Sanitary Wye 4" x 4"	pc	4.00				
12.2110	PVC Sanitary Tee 4" x 4"	pc	4.00				
12.3000	PVC Cement	can	4.00				
	Sub-total						
13.0000	Painting Works						
	Concrete surfaces	sq.m	498.00				
13.0100	Neutralizer	gal	7.00				
13.0200	Latex, Flat	gal	38.00				
13.0300	Masonry Putty	gal	20.00				
13.0400	Latex, Semi Gloss	gal	50.00				
13.0500	Acri Color	qrt	25.00				
	Wood Surfaces	sq.m	1,223.00				
13.0600	Enamel, Flatwall	gal	62.00				
13.0800	Enamel, Semi Gloss	gal	123.00				
13.0900	Paint Thinner	L	47.00				
13.0600	Roller Brush 7"	pc	4.00				
13.0800	Paint Brush 2"	pc	18.00				
13.0900	Sand Paper #100	m	13.00				
	Blackboards	sq.m	35.00				
13.0600	Enamel, Flatwall	gal	2.00				
13.0800	Blackboard slating paint green	gal	4.00				
13.0900	Paint Thinner	L	2.00				
	Metal Surfaces (Ballusters & Railings wood design painted)						
13.1210	Primer, Red Oxide	gal	5.00				
13.0700	Easy Tite	gal	2.00				
13.0800	Enamel, Semi Gloss	gal	6.00				
13.0900	Paint Thinner	L	3.00				
13.1300	Tinting Color	qrt	6.00				
	Sub-total						
	DIRECT COST						-
	INDIRECT COST 17% of (I)						-
	TAX 8% of (I + II)						-
	TOTAL CONSTRUCTION COST (I + II + III)						-

Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

- (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules;
and
- (h) Philippine Contractors Accreditation Board (PCAB) License;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**
- (i) 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**
- (j) Project Requirements, which shall include the following:
 - a. Organizational chart for the contract to be bid;
 - b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
 - c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- (k) 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.

other requirement for submission:

- Site Inspection Certificate signed by the Principal/Officer-In Charge/ Officer of the Day of the School. Site Inspection Certificate is to be accompanied by a picture of the project engineer/foreman/owner or any technical employee with the Gabaldon bldg. as the background

Financial Documents

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

Class "B" Documents

- (n) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR 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

- (o) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- (p) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (q) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; **and**
- (r) Cash Flow by Quarter.

other requirement:

- (s) USB/flash drive (soft copy of Financial proposal in excel format)

