

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Repair, Rehabilitation and Restoration of Scoda Hall, Recto Hall and Bachelor's Hall in Baguio Teacher's Camp

Government of the Republic of the Philippines



AS-EDUCATION FACILITIES DIVISION

October 2020

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Sixth Edition

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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	13
1. Scope of Bid	14
2. Funding Information	14
3. Bidding Requirements.....	14
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	14
5. Eligible Bidders	15
6. Origin of Associated Goods	15
7. Subcontracts	15
8. Pre-Bid Conference.....	15
9. Clarification and Amendment of Bidding Documents	15
10. Documents Comprising the Bid: Eligibility and Technical Components.....	16
11. Documents Comprising the Bid: Financial Component	16
12. Alternative Bids	16
13. Bid Prices	17
14. Bid and Payment Currencies	17
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.....	18
19. Detailed Evaluation and Comparison of Bids	18
20. Post Qualification	18
21. Signing of the Contract	18
Section III. Bid Data Sheet	19
Section IV. General Conditions of Contract.....	28
1. Scope of Contract.....	29
2. Sectional Completion of Works	29
3. Possession of Site.....	29
4. The Contractor's Obligations	29
5. Performance Security	29
6. Site Investigation Reports	30

7.	Warranty.....	30
8.	Liability of the Contractor.....	30
9.	Termination for Other Causes	30
10.	Dayworks.....	31
11.	Program of Work	31
12.	Instructions, Inspections and Audits	31
13.	Advance Payment	31
14.	Progress Payments	31
15.	Operating and Maintenance Manuals	31
	Section V. Special Conditions of Contract.....	33
	Section VI. Specifications	36
	Section VII. Drawings.....	86
	Section VIII. Bill of Quantities	87
	Section IX. Checklist of Technical and Financial Documents	134

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

Notes on the Invitation to Bid

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

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

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

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

Recto Hall	One Hundred Ninety-five (195) calendar days upon Receipt of Notice to Proceed (NTP)
Bachelor's Hall	One Hundred Sixty-five (165) calendar days upon Receipt of Notice to Proceed (NTP)

3. 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.
4. Interested bidders may obtain further information from the **DepEd Procurement Management Service at Telephone Nos. 8636-6542 or 8633-9343** and inspect the Bidding Documents at the address indicated herein for Issuance of Bidding Documents during office hours.
5. For those who are interested to purchase the Bidding Documents, two (2) options are made available, to wit:
 - a. A complete set of Bidding Documents may be acquired by interested Bidders from the **DepEd Procurement Management Service (ProcMS), Room 511, 5th Floor, Mabini Building, DepEd Central Office Complex, Meralco Avenue, Pasig City** upon accomplishing a bidder’s information sheet and payment of a non-refundable fee for the Bidding Documents to the **DepEd Cashier** in the amount of **Ten Thousand Pesos (PhP10,000.00)** per lot. Payment in check(s) should be made payable to **Department of Education – OSEC Trust Fund**.
 - b. Interested Bidders may signify their intent to purchase the Bidding Documents through email at depedcentral.bacsecretariat@deped.gov.ph by accomplishing a **bidder’s information sheet (Annex A)**. Upon receipt of the bidder’s information sheet, the BAC Secretariat Division will send through email the details of the **DECS OSEC Trust Fund Account** for payment. Upon payment, bidders may send through email the proof of payment before the deadline for submission of bids. Upon receipt of proof of payment, the BAC Secretariat will send the electronic copy of the Bidding Documents.

Bidders are encouraged to order or download the electronic copy of the Bidding Documents free of charge from the PhilGEPS website at www.philgeps.gov.ph, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids. A copy of the bidding documents and other information may also be viewed and downloaded at the DepEd website at www.deped.gov.ph. The pre-bid-conference is open to all prospective bidders.

The issuance of bidding documents shall be **from October 27, 2020 during office hours to November 18, 2020, 11:00 A.M. at Bulwagan ng Karunungan, Ground Floor, Rizal Building, DepEd Complex, Meralco Ave., Pasig City**.

6. Considering the current situation due to the pandemic (COVID-19) and the mandate to observe social distancing, **DepEd** will hold a pre-bid conference for this Project on **November 3, 2020, 11:00 A.M. through videoconferencing**

using the MS Teams, which shall be open to prospective bidders. Section 22.3 of R.A. 9184 and its IRR provide that Pre-bid Conference may be conducted in person or face-to-face through videoconferencing, webcasting, or similar technology, or a combination thereof. Procuring Entities with videoconferencing capabilities that have manufacturers, suppliers, distributors, contractors and/or consultants that also have videoconferencing capabilities may conduct their pre-bidding conferences electronically. The Pre-bid Conference is open to prospective bidders, and in case of procurement of consulting services, the shortlisted bidder, but attendance shall not be mandatory.

Prospective Bidders who intend to participate are required to communicate with the BAC Secretariat through email at **depedcentral.bacsecretariat@deped.gov.ph** their confirmation and accomplish the Online Pre-bid Conference Form provided (**Annex B**) on or before **November 1, 2020, 5:00 P.M.** Upon receipt of this form, the BAC Secretariat Division will send the link of the meeting.

7. Bids must be duly received by the BAC Secretariat through email at **depedcentral.bacsecretariat@deped.gov.ph** (i) manual submission at the office address as indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before **November 18, 2020, 11:00 A.M.** **Late bids shall not be accepted.**
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.

Bid opening shall be on **November 18, 2020, 11:00 A.M. at Bulwagan ng Karunungan, Ground Floor, Rizal Building, DepEd Complex, Meralco Ave., Pasig City.** Bids will be opened in the presence of the bidders' representatives who choose to attend the activity. Only two (2) authorized representatives per bidder shall be allowed to attend the Bid Opening and must present an authorization letter approved by the duly authorized officer of the company or the bidder being represented.

For electronic bid submission, the passwords for accessing the Bidding Documents will be disclosed by the Bidders only during the actual bid opening which may be done in person or face-to-face through videoconferencing, webcasting or similar technology.

9. The **DepEd** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
10. For further information, please refer to:

CHRISTA O. NICOLAS
Senior Technical Assistant II

Procurement Management Service - BAC Secretariat Division
Rm. M-511, 5th Floor, Mabini Bldg.
DepEd Central Office Complex Meralco Avenue, Pasig City
Telephone Nos. 8636-6542 or 8633-9343
Email address: depedcentral.bacsecretariat@deped.gov.ph

11. You may visit the following websites:

For downloading of Bidding Documents:

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

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

[October 27, 2020]

(SGD.)
ALAIN DEL B. PASCUA
Undersecretary and Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. **Scope of Bid**

The Procuring Entity, **Department of Education (DepEd)** invites Bids for the ***Procurement of Repair, Rehabilitation and Restoration of Scoda Hall, Recto Hall and Bachelor's Hall in Baguio Teacher's Camp***, with Project Identification Number **2020c-AdmS4(001)-CB-015**.

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 ***GASS-2019 Continuing funds*** in the amount of ***Philippine Pesos Twenty-Four Million, Nine Hundred Ninety-Nine Thousand, Seven Hundred Forty-Four, and 67/100 (PhP24,999,744.67)***.

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.**

8. Pre-Bid Conference

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

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and

received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section 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 **120 calendar days**. 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 8 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 16 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

Notes on the Bid Data Sheet (BDS)

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

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

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

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

Bid Data Sheet

ITB Clause				
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: Repair, Rehabilitation and/or Restoration of Buildings.			
7.1	Subcontracting is not allowed.			
10.3	No further instruction.			
10.4	The minimum key personnel, their minimum work-experience, and their number of years of experience required for this project are the following:			
	Scoda Hall			
	Personnel	Min. No.	Job Description	Work Experience
	Site/Construction Supervisor (Architect, Engineer)	1	Full time from initiation of site mobilization activities up to final acceptance of the works	Duly licensed to practice their respective professions, with at least three (3) years-experience in their fields of specialization
	Skilled Workers (Painter, Mason, Carpenter, Steelman, Tinsmith, Tile Setter)	20	Full time	Tile Setters, Masons (Finishing), Carpenters (rough and Finishing), Building Painters (Finishing),
	Safety Officer	2	Full time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and injury on workers or loss of properties.
	General Foreman	1	Full time	with at least 3 years of experience in Construction
	Electrician	1	As-needed in the Site	Duly Licensed Master Electrician with at least 3 years of

			experience
Plumber	1	As-needed in the Site	Duly Licensed Master Plumber with at least 3 years of experience
Welder	1	As-needed in the Site	Skilled in any types of welding and with at least three (3) years-experience
Laborers	22	Full time	Of Legal Age, at least 18 years old.

Recto Hall

Personnel	Min. No.	Job Description	Work Experience
Site/Construction Supervisor (Architect, Engineer)	1	Full time from initiation of site mobilization activities up to final acceptance of the works	Duly licensed to practice their respective professions, with at least three (3) years-experience in their fields of specialization
Skilled Workers (Painter, Mason, Carpenter, Steelman, Tinsmith, Tile Setter)	20	Full time	Tile Setters, Masons (Finishing), Carpenters (rough and Finishing), Building Painters (Finishing),
Safety Officer	2	Full time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and injury on workers or loss of properties.
General Foreman	1	Full time	with at least 3 years of experience in Construction
Electrician	1	As-needed in the Site	Duly Licensed Master Electrician with at least 3 years of experience
Plumber	1	As-needed in the Site	Duly Licensed Master Plumber with at least 3 years of experience

Welder	1	As-needed in the Site	Skilled in any types of welding and with at least three (3) years-experience
Laborers	22	Full time	Of Legal Age, at least 18 years old.

Bachelor's Hall

Personnel	Min. No.	Job Description	Work Experience
Site/Construction Supervisor (Architect, Engineer)	1	Full time from initiation of site mobilization activities up to final acceptance of the works	Duly licensed to practice their respective professions, with at least three (3) years-experience in their fields of specialization
Skilled Workers (Painter, Mason, Carpenter, Steelman, Tinsmith, Tile Setter)	20	Full time	Tile Setters, Masons (Finishing), Carpenters (rough and Finishing), Building Painters (Finishing),
Safety Officer	2	Full time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and injury on workers or loss of properties.
General Foreman	1	Full time	with at least 3 years of experience in Construction
Electrician	1	As-needed in the Site	Duly Licensed Master Electrician with at least 3 years of experience
Plumber	1	As-needed in the Site	Duly Licensed Master Plumber with at least 3 years of experience
Welder	1	As-needed in the Site	Skilled in any types of welding and with at least three (3) years-experience
Laborers	22	Full time	Of Legal Age, at least 18 years old.

10.5

The minimum major equipment requirements for this project are the following:

Scoda Hall

EQUIPMENT	CAPACITY	NUMBER OF UNITS
One-bagger cement mixer	One Bagger	1 unit
Welding Machine	500 amps	1 unit
Fusion Machine	For ½" to 1-1/2" dia. Pipes	1 unit
Scaffoldings	G.I. Pipe sch.20 (H-Frames & Brackets)	16 sets
Power Tools	Drill Grinder (for 4" to 8" dia. Disc) Cut-off Machine (for 10" to 14" dia. Disc) Router Planer Sanding Machine (optional) Compressor/Spray Gun (optional)	2 units 2 units 1 unit 2 units 1 unit 1 unit 1 unit

Recto Hall

EQUIPMENT	CAPACITY	NUMBER OF UNITS
One-bagger cement mixer	One Bagger	1 unit
Welding Machine	500 amps	1 unit
Fusion Machine	For ½" to 1-1/2" dia. Pipes	1 unit
Scaffoldings	G.I. Pipe sch.20 (H-Frames & Brackets)	16 sets
Power Tools	Drill Grinder (for 4" to 8" dia. Disc) Cut-off Machine (for 10" to 14" dia. Disc) Router Planer Sanding Machine (optional) Compressor/Spray Gun (optional)	2 units 2 units 1 unit 2 units 1 unit 1 unit 1 unit

Bachelors Hall

	EQUIPMENT	CAPACITY	NUMBER OF UNITS
	One-bagger cement mixer	One Bagger	1 unit
	Welding Machine	500 amps	1 unit
	Fusion Machine	For ½” to 1-1/2” dia. Pipes	1 unit
	Scaffoldings	G.I. Pipe sch.20 (H-Frames & Brackets)	16 sets
	Power Tools	Drill Grinder (for 4” to 8” dia. Disc) Cut-off Machine (for 10” to 14” dia. Disc) Router Planer Sanding Machine (optional) Compressor/Spray Gun (optional)	2 units 2 units 1 unit 2 units 1 unit 1 unit 1 unit
12	Alternative Bids-Value Engineering No further instruction.		
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:		
	Form of Bid Security	Amount of Bid Security (Equal to Percentage of the ABC)	
	(a) Cashier’s/manager’s check issued by a Universal or Commercial Bank.	Two percent (2%)	
	(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.		
	(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (5%)	
	(d) Bid Securing Declaration	No percentage required	

1. Original Bid Security shall be submitted inside the “Technical Component Envelope, otherwise, the bid shall be rejected or disqualified.
2. Bid Security in the form of Cash should be deposited by the Bidder to the DepEd Cashier prior to bid submission; and submit the original Official Receipt inside the Technical Component Envelope.
3. Bid security in the form of cashier’s/manager’s check should be made payable to **“DECS OSEC Trust”**
4. The Bid Securing Declaration must be original and should follow the standard form and the required fields of information should be properly filled out, otherwise, it shall be a ground for disqualification of the bids.
5. Bid security in the amount exceeding the required amount of the appropriate bid security stated above is not a ground for disqualification of the bidder’s bid.

	Forms of Bid Security (In Php)			
	Cashier’s / manager’s check issued by a Universal or Commercial Bank (2% of ABC)	Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank (2% of ABC)	Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security (5% of ABC)	Bid Securing Declaration (no percentage required)
ABC (in PhP)				
7,999,987.93	159,999.76	159,999.76	399,999.40	-
9,999,883.53	199,997.67	199,997.67	499,994.18	-

		6,999,873.21	139,997.46	139,997.46	349,993.66	-
19.2	Partial bids are not allowed. The infrastructure project is packaged in a single lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.					
20	<p>Post-Qualification</p> <p>To facilitate post-qualification, the bidder at its option may submit in advance, i.e. on the deadline for submission and receipt of bids, the documents required in Section II. ITB 28.2, in a separate sealed envelope as follows:</p> <ol style="list-style-type: none"> 1. Latest income and business tax returns: Printed copies of the Electronically filed Income Tax / Business Tax Returns with copies of their respective Payment Confirmation Forms for the immediately preceding calendar / tax year from the authorized agent bank; <u>Only tax returns filed and taxes paid through the BIR Electronic Filing and Payment System (EFPS) shall be accepted.</u> 2. <u>In case of foreign bidders, a Certificate of Authentication from the Department of Foreign Affairs shall be required for each document submitted, i.e. the Class “A” documents or its equivalent that are written in foreign language, translated to English, and duly authenticated by the appropriate Philippine foreign service establishment/post or the equivalent office having jurisdiction over the foreign bidder’s affairs in the Philippines.</u> 3. <u>PhilGEPS Certificate of Membership (Platinum), in case bidder opts to submit Class “A” Legal Documents during submission and opening of bids.</u> <p>The envelope shall be marked:</p> <ul style="list-style-type: none"> • ITB 28.2 Documents • Name of Project: _____ • Bid Opening Date: _____ • Name of Bidder: _____ 					
21	<p>Signing of the Contract-Other Documents Forming Part of the Contract</p> <p>Additional contract documents relevant to the Project are required by the Procuring Entity and shall be submitted by the successful bidder within 10 calendar days from successful bidder’s receipt of the Notice of Award (NOA), such as:</p> <ol style="list-style-type: none"> 1. Construction Schedule and S-curve; 2. PERT/CPM 					

	<ol style="list-style-type: none">3. Manpower schedule;4. Construction methods;5. Equipment utilization schedule; and6. Construction safety and health program approved by the Department of Labor and Employment
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Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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

1. **Scope of Contract**

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

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

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**

4.1. 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.

4.2. 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

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

GCC Clause	
2	<p>Completion of Works is within the following days upon receipt of the Notice To Proceed:</p> <ol style="list-style-type: none"> 1. Scoda Hall- <i>One Hundred Ninety-Five (195) calendar days;</i> 2. Recto Hall- <i>One Hundred Ninety-Five (195) calendar days;</i> and 3. Bachelors Hall- <i>One Hundred Sixty-Five (165) calendar days.</i>
4.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor after submission of the notarized Contract by the Contractor to the Procuring Entity and on or before date of receipt of the NTP by the Contractor.
6	<p>The site investigation reports are:</p> <p>None</p>
7.2	<p>The warranty against Structural Defects/ Failures</p> <p>The warranty against Structural Defects/ Failures, except those occasioned-on force majeure, shall cover the period stated hereunder and shall be reckoned from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity.</p> <p>Five (5) years.</p>
10	No dayworks are applicable to the contract.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within five (5) Calendar days of delivery of the Notice of Award.
11.2	The period between Program of Work updates is every fifteen (15) days.
13	<p>An Advance Payment not exceeding fifteen percent (15%) of the Contract Price, to be made in lump sum or, at the most, two (2) installments, shall be paid upon the Contractor's written request, and only upon the submission to and acceptance by the Procuring Entity of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the Procuring Entity.</p> <p>The advance payment shall be repaid by the Contractor by deducting fifteen percent (15%) from his periodic progress payment a percentage equal to the percentage of the total contract price used for the advance payment.</p>
14	<p>Progress Payments</p> <p>Request for Progress Payment for Work Accomplished:</p>

	<table border="1"> <thead> <tr> <th colspan="2">Schedule of Payment</th> </tr> </thead> <tbody> <tr> <td>First Payment</td> <td>Upon 20% work accomplished</td> </tr> <tr> <td>Second Payment</td> <td>Upon 50% work accomplished</td> </tr> <tr> <td>Third Payment</td> <td>Upon 75% work accomplished</td> </tr> <tr> <td>Fourth Payment</td> <td>Upon 100% work accomplished</td> </tr> </tbody> </table> <p>The aforementioned work accomplished shall be certified by the Procuring Entity's Representative.</p> <p>Materials and equipment delivered on the site but not completely put in place shall not be included for payment.</p>	Schedule of Payment		First Payment	Upon 20% work accomplished	Second Payment	Upon 50% work accomplished	Third Payment	Upon 75% work accomplished	Fourth Payment	Upon 100% work accomplished
Schedule of Payment											
First Payment	Upon 20% work accomplished										
Second Payment	Upon 50% work accomplished										
Third Payment	Upon 75% work accomplished										
Fourth Payment	Upon 100% work accomplished										
15.1	<p>The date by which operating and maintenance manuals are required is _____</p> <p>The "As built" drawings, signed and sealed by License Engineers/Professionals, shall be submitted in hard copies and e-copies (in cad format) within _____ calendar days prior to the issuance of the Certificate of Final Acceptance by the Procuring Entity.</p> <p>For projects with duly approved variation (change/amendment/deviation in the original scope of work), the Contractor is required to submit three (3) sets of "as built" drawings prior to the issuance of the Certificate of Final Acceptance by the Procuring Entity.</p>										
15.2	<p>The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is <u>[amount in local currency]</u>.</p>										

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.

SCOPE OF WORKS

Project : REPAIR, REHABILITATION & RESTORATION OF ESCODA HALL
Location : Baguio Teacher's Camp, Baguio City

The following are the Scope of Works for the Repair & Rehabilitation of Escoda Hall:

1. EARTHWORKS

- 1.1 Application of Soil Poisoning along the perimeter.
- 1.2 Excavation works for the Open Canal Rehabilitation.
- 1.3 Excavation Works for the Expansion of the Common Toilet.
- 1.4 Excavation works for the New Steps and Ramp
- 1.5 Excavation works for the Retaining Wall/Rip-Rap Wall

2. CONCRETING WORKS

- 2.1 Repair and Rehabilitation of Main Entrance Steps, Ramp & Entry Porch.
- 2.2 Rehabilitation of Open Canal.
- 2.3 Repair and Retrofitting of Pedestal Columns.
- 2.4 Concreting of New Floor/Columns for the Common Toilet
- 2.5 New Base Slab for the Heat Pump, Tank & Motor.
- 2.6 Concreting works for the Retaining Wall/Rip-Rap Wall

3. REBAR WORKS

- 3.1 Repair and Rehabilitation of Main Entrance Steps, Ramp & Entry Porch.
- 3.2 Rehabilitation of Open Canal.
- 3.3 Repair and Retrofitting of Pedestal Columns.
- 3.4 Works for the Retaining Wall/Rip-Rap Wall
- 3.5 New Floor/Columns for the Common Toilet

4. FORMWORKS

- 4.1 Works for the Retaining Wall/Rip-Rap Wall.
- 4.1 Concreting of New Floor/Columns for the Common Toilet

5. MASONRY WORKS

- 5.1 Repair and Rehabilitation of Main Entrance Steps (Plastering & Re-topping).
- 5.2 Rehabilitation of Open Canal (Plastering & Topping).
- 5.3 Repair and Retrofitting of Pedestal Columns.
- 5.4 Repair of Fire Place Base, Plastering and Stone Finish.
- 5.5 Retaining Wall/Rip-Rap Wall
- 5.6 Plastering of New Masonry Wall at the Common Toilet.

6. DOORS & WINDOWS

- 6.1 New Main Doors and Flush Doors for the Bedrooms & New Common Toilets
- 6.2 Rehabilitate existing Flush doors (Individual Toilet)

- 6.3 New Windows for the New Toilets and Main Entrance,
- 6.4 Replacement of broken and damaged Window glass.
- 6.5 All other Existing Windows will be repaired and rehabilitated.

7. STEEL WORKS

- 7.1 Fabrication of Window Grilles.
- 7.2 Fabrication of Steel Trusses & Post for Heat Pump Housing.
- 7.3 Fabrication of railings for the Main Stairs & Ramp.

8. ROOFING WORKS

- 8.1 Remove Existing Roofing Sheets & Bended Accessories of the Main Roof & Front Entry Canopy.
- 8.2 Installation of New Roofing Sheets & Bended Accessories (Longspan & Pre-painted) on the Main Roof & Front Entry Canopy.
- 8.3 New Roofing for the Heat Pump Housing

9. CARPENTRY WORKS

- 9.1 Damaged or deteriorated existing exterior metal sheet/wooden wall panels and mouldings will be removed and replaced. Existing metal sheet/wooden wall panel design will be followed.
- 9.2 Repair Rehabilitation of Main Stairs and damaged T&G Flooring at the Ground & Second Floor.
- 9.3 New Ceiling for the Exterior (Eaves & Canopy), Ground Floor & Second Floor.
- 9.4 Remove and Replacement of damage Wooden Floor Joists and Girder. Insert additional wood block(s) between the floor joists.
- 9.5 Remove and Replacement of damage Truss members on the Main Roof.
- 9.6 Remove and Replacement of damage Wall Panels & Studs.
- 9.7 Installation of Native Cloth accent border.
- 9.8 Installation of Wooden Tile Top Trim.
- 9.9 Fabrication of Reception Counter.
- 9.10 New Shower Aluminum Doors/Partition and Phenolic Partitions for the Common Toilets.
- 9.11 Fabrication of Bedroom Cabinets and Dresser.

10. ELECTRICAL WORKS

- 10.1 Existing Lighting fixtures will be replaced. LED Type Fixtures and bulbs will be installed to lower power consumption.
- 10.2 Upgrading of Main Wires.
- 10.3 Installation of New Panel Box for the additional circuits.
- 10.4 Re-wiring and Checking of existing Panel Boxes.
- 10.5 Installation of New Heat Pump Water Heater System.

11. PLUMBING WORKS

- 11.1 Existing Toilet Fixtures will be replaced.
- 11.2 Installation of New Waterline for the existing Common Toilet (& expansion) and affected Waterlines will be replaced with PPR Pipes & Fittings.
- 11.3 Repair existing Hot water line supply to accommodate new Heat Pump Water

Heater System.

12. SANITARY WORKS

- 12.1 Installation of New Sewer & Sewage for the New Toilets, Toilet expansion and affected Sewer & Sewage lines will be replaced with PVC Pipes & Fittings**
- 12.2 Replacement of damaged Sanitary and Sewer Lines.**
- 12.3 Installation of New Septic Tank (LLDPE Type).**

13. PAINTING WORKS

- 13.1 Re-painting of Exterior & Interior Walls. Existing Paint will be scrape off.**
- 13.2 Re-painting of Exterior & Interior Ceilings. Existing Paint will be scrape off.**
- 13.3 Varnishing of Main Stairs, Narra Plywood and Pinewood Items.**
- 13.4 Repainting of Window Grilles**

14. TILEWORKS

- 14.1 Chipping of Existing Tiles and Re-tiling works of the Common Toilets.**
- 14.2 Re-sanding & Resealing of the Ground & Second Floor T&G Flooring and Main Stairs.**
- 14.3 Installation of New Tiles at the Main Entrance & Common Toilet.**

16. ELECTRONICS & COMMUNICATION WORKS

- 16.1 Installation of CCTV system within the Building.**
- 16.2 Installation of Audio Wirings**
- 16.3 Installation of Fire Alarm System & Devices**

SCOPE OF WORKS

Project : REPAIR, REHABILITATION & RESTORATION OF
RECTO HALL
Location : Baguio Teacher's Camp, Baguio City

The following are the Scope of Works for the Repair & Rehabilitation of Recto Hall:

1. EARTHWORKS

- 1.1 Application of Soil Poisoning along the perimeter.
- 1.2 Excavation works for the Open Canal Rehabilitation.
- 1.3 Excavation works for the New Steps and Ramp

2. CONCRETING WORKS

- 2.1 Repair and Rehabilitation of Main Entrance Steps.
- 2.2 Rehabilitation of Open Canal.
- 2.3 Repair and Retrofitting of Pedestal Columns.
- 2.4 New Base Slab for the Heat Pump, Tank & Motor

3. REBAR WORKS

- 3.1 Repair and Rehabilitation of Main Entrance Steps.
- 3.2 Rehabilitation of Open Canal.
- 3.3 Repair and Retrofitting of Pedestal Columns.
- 3.4 New Base Slab for the Heat Pump, Tank & Motor

5. MASONRY WORKS

- 5.1 Repair and Rehabilitation of Main Entrance Steps (Plastering & Re-topping).
- 5.2 Rehabilitation of Open Canal (Plastering & Topping).
- 5.3 Repair and Retrofitting of Pedestal Columns.

6. DOORS & WINDOWS

- 6.1 New Main Doors and Flush Doors for the New Toilets
- 6.2 New Metal Door for the Fire Exit.
- 6.3 New Windows for the Individual Toilets.
- 6.4 Replacement of broken and damaged Window glass.
- 6.5 All other Existing Windows will be repaired and rehabilitated.

7. STEEL WORKS

- 7.1 Fabrication of Window Grilles.
- 7.2 Fabrication of Steel Trusses & Post for Heat Pump Housing.
- 7.3 Fabrication of railings for the Main Stairs & Ramp

8. ROOFING WORKS

- 8.1 Remove Existing Roofing Sheets & Bended Accessories of the Main Roof, Front Entry Canopy & Fire Exit Stairs.
- 8.2 Installation of New Roofing Sheets & Bended Accessories (Longspan & Pre-painted) on the Main Roof, Front Entry Canopy & Fire Exit Stairs.

8.3 New Roofing for the Heat Pump Housing

9. CARPENTRY WORKS

- 1.1. Damaged or deteriorated existing exterior wooden wall panels will be removed and replaced. Existing wooden wall panel design will be followed (panel-cut type).**
- 1.2. Repair Rehabilitation of Main Stairs and damaged T&G Flooring at the Ground & Second Floor.**
- 1.3. New Ceiling for the Exterior (Eaves & Canopy), Ground Floor & Second Floor.**
- 1.4. Remove and Replacement of damage Wooden Floor Joists and Girder.**
- 1.5. Remove and Replacement of damage Truss members on the Main Roof.**
- 1.6. New Partition Wall for the existing location of the Panel Boxes (area will be redesigned to as Electrical Room).**
- 1.7. Remove and Replacement of damage Wall Panels & Studs.**
- 1.8. Installation of Native Cloth accent border.**
- 1.9. Installation of Wooden Tile Top Trim.**
- 1.10. Fabrication of Reception Counter.**
- 1.11. Fabrication of Bedroom Cabinets and Dresser**

10. ELECTRICAL WORKS

- 10.1 Existing Lighting fixtures will be replaced. LED Type Fixtures and bulbs will be installed to lower power consumption.**
- 10.2 Upgrading of Main Wires.**
- 10.3 Installation of New Panel Box for the additional circuits.**
- 10.4 Re-wiring and Checking of existing Panel Boxes.**
- 10.5 Installation of New Heat Pump Water Heater System.**

11. PLUMBING WORKS

- 11.1 Existing Toilet Fixtures will be replaced.**
- 11.2 Installation of New Waterline for the New Toilets, Toilet expansion and affected Waterlines will be replaced with PPR Pipes & Fittings.**
- 11.3 Repair existing Hot water line supply to accommodate new Heat Pump Water Heater System.**

12. SANITARY WORKS

- 12.1 Installation of New Sewer & Sewage for the New Toilets, Toilet expansion and affected Sewer & Sewage lines will be replaced with PVC Pipes & Fittings**
- 12.2 Replacement of damaged Sanitary and Sewer Lines.**

13. PAINTING WORKS

- 13.1 Re-painting of Exterior & Interior Walls. Existing Paint will be scrape off.**
- 13.2 Re-painting of Exterior & Interior Ceilings. Existing Paint will be scrape off.**
- 13.3 Repainting of Window Grilles**
- 13.4 Painting of Fire Exit Stair.**

14. TILEWORKS

- 14.1 Chipping of Existing Tiles and Re-tiling works on all the Toilets.**

14.2 Re-sanding & Resealing of the Second Floor T&G Flooring and Main Stairs (2).

14.3 Installation of New Tiles at the Main Entrance & Individual Toilets.

15. WATERPROOFING

15.1 Re-waterproofing of the Second Floor Individual Toilets.

16. ELECTRONICS & COMMUNICATION WORKS

16.1 Installation of CCTV system within the Building.

16.2 Installation of Audio Wirings

16.3 Installation of Fire Alarm System & Devices

SCOPE OF WORKS

Project : REPAIR, REHABILITATION & RESTORATION OF
BACHELORS HALL
Location : Baguio Teacher's Camp, Baguio City

The following are the Scope of Works for the Repair & Rehabilitation of Bachelors Hall:

1. EARTHWORKS

- 1.1 Application of Soil Poisoning along the perimeter.
- 1.2 Excavation works for the Open Canal Rehabilitation.
- 1.3 Excavation works for the New Steps and Ramp
- 1.4 Excavation works for the Retaining Wall/Rip-Rap Wall

2. CONCRETING WORKS

- 2.1 Repair and Rehabilitation of Main Entrance Steps, Ramp & Entry Porch.
- 2.2 Rehabilitation of Open Canal.
- 2.3 Repair and Retrofitting of Pedestal Columns.
- 2.4 New Base Slab for the Heat Pump, Tank & Motor.
- 2.5 Concreting works for the Retaining Wall/Rip-Rap Wall
- 2.6 Concreting Works for the Perimeter Walkway

3. REBAR WORKS

- 3.1 Repair and Rehabilitation of Main Entrance Steps, Ramp & Entry Porch.
- 3.2 Rehabilitation of Open Canal.
- 3.3 Repair and Retrofitting of Pedestal Columns.
- 3.4 Works for the Retaining Wall/Rip-Rap Wall
- 3.5 Works for the Perimeter Walkway

4. FORMWORKS

- 4.1 Works for the Retaining Wall/Rip-Rap Wall

5. MASONRY WORKS

- 5.1 Repair and Rehabilitation of Main Entrance Steps (Plastering & Re-topping).
- 5.2 Rehabilitation of Open Canal (Plastering & Topping).
- 5.3 Repair and Retrofitting of Pedestal Columns.
- 5.4 Works for the Retaining Wall/Rip-Rap Wall
- 5.5 Front Base & Pedestal Stone Finish
- 5.6 Masonry Walls Rehabilitation for Common Toilets

6. DOORS & WINDOWS

- 6.1 New Main Doors and Flush Doors for the Bedrooms & Toilets
- 6.2 New Windows for the Main Entrance.
- 6.3 New Windows for the Common Toilets
- 6.4 Replacement of broken and damaged Window glass.
- 6.6 All other Existing Windows will be repaired and rehabilitated.

7. STEEL WORKS

- 7.1 Fabrication of Window Grilles.
- 7.2 Fabrication of Steel Trusses & Post for Heat Pump Housing.
- 7.3 Fabrication of railings for the Main Stairs & Ramp.

8. ROOFING WORKS

- 8.1 Remove Existing Roofing Sheets & Bended Accessories of the Main Roof, “Media Aguas” & Front Entry Canopy.
- 8.2 Installation of New Roofing Sheets & Bended Accessories (Longspan & Pre-painted) on the Main Roof, Front Entry Canopy & Fire Exit Stairs.
- 8.3 New Roofing for the Heat Pump Housing

9. CARPENTRY WORKS

- 9.1 Damaged or deteriorated existing exterior wooden wall panels will be removed and replaced. Existing wooden wall panel design will be followed (panel-cut type).
- 9.2 Repair Rehabilitation of Main Stair and damaged T&G Flooring at the Ground & Second Floor.
- 9.3 New Ceiling for the Exterior (Eaves & Canopy), Ground Floor & Second Floor.
- 9.4 Remove and Replacement of damage Wooden Floor Joists and Girder.
- 9.5 Remove and Replacement of damage Truss members on the Main Roof.
- 9.6 Remove and Replacement of damage Wall Panels & Studs.
- 9.7 Installation of Native Cloth accent border.
- 9.8 Installation of Wooden Tile Top Trim.
- 9.9 Fabrication of Reception Counter.
- 9.10 New Shower Aluminum Doors/Partition and Phenolic Partitions for the Common Toilets.
- 9.11 Fabrication of Bedroom Cabinets and Dresser.

10. ELECTRICAL WORKS

- 10.1 Existing Lighting fixtures will be replaced. LED Type Fixtures and bulbs will be installed to lower power consumption.
- 10.2 Upgrading of Main Wires.
- 10.3 Installation of New Panel Box for the additional circuits.
- 10.4 Re-wiring and Checking of existing Panel Boxes.
- 10.5 Installation of Heat Pump Water Heater System.

11. PLUMBING WORKS

- 11.1 Existing Toilet Fixtures will be replaced.
- 11.2 Installation of New Waterline for the existing Common Toilet and affected Waterlines will be replaced with PPR Pipes & Fittings.
- 11.3 Repair existing Hot water line supply to accommodate new Heat Pump Water Heater System.

12. SANITARY WORKS

- 12.1 Installation of New Sewer & Sewage for the existing Common Toilet and affected Sewer & Sewage lines will be replaced with PVC Pipes & Fittings
- 12.2 Replacement of damaged Sanitary and Sewer Lines.

12.3 Installation of New Septic Tank (LLDPE Type).

13. PAINTING WORKS

13.1 Re-painting of Exterior & Interior Walls. Existing Paint will be scrape off.

13.2 Re-painting of Exterior & Interior Ceilings. Existing Paint will be scrape off.

13.3 Repainting of Window Grilles

14. TILEWORKS

14.1 Chipping of Existing Tiles and Re-tiling works on all Common Toilets.

14.2 Re-sanding & Resealing of the Ground & Second Floor T&G Flooring and Main Stair.

14.3 Installation of New Tiles at the Ground & Second Floor Common Toilet.

15. WATERPROOFING

15.1 Re-waterproofing of the Second Floor Common Toilet.

16. ELECTRONICS & COMMUNICATION WORKS

16.1 Installation of CCTV system within the Building.

16.2 Installation of Audio Wirings

16.3 Installation of Fire Alarm System & Devices

SUMMARY OF MATERIALS (TECHNICAL SPECIFICATIONS)

Project : REPAIR, REHABILITATION & RESTORATION
OF ESCODA HALL
Location : Baguio Teacher's Camp, Baguio City

WORK ITEM/MATERIAL	TECHNICAL SPECIFICATION
1. EARTHWORKS	
1.1 Soil Poisoning	Solvent Based, Low odor, environment friendly
2. CONCRETING WORKS	
2.1 Cement	Portland, PNS 7:2005
3. REBAR WORKS	
3.1 Rebars	Steel Bars, PNS 49:2000, Grade 33 G.I., gauge16
3.2 Tie Wires	
4. FORMWORKS	
4.1 Form Plywood	½" thk., PNS 196:2000 Coco Lumber
4.2 Form Lumber	
5. MASONRY WORKS	
5.1 Concrete Hollow Block	6"X8"X16" Load Bearing CHB, 800psi, confirming with ASTM C-90- 70 "Kennon Stone" or any approved equal
5.2 Natural Stones	
6. DOORS & WINDOWS	
6.1 Doors	
6.1.1 Panel Doors	Hardwood, Kiln Dried (verify approved design) Marine Plywood & Ordinary Plywood (verify approved design)
6.1.2 Flush Doors	
6.2 Windows & Screens	
6.2.1 Casement & Awning Windows	uPVC (White) Casement/Awning Window with Clear Glass on uPVC Jamb complete with Accessories 1/8" thk or 1/4" thk Clear Glass 1/4" thk Smoked Glass Insect Fiber Screen on Aluminum Powdercoated complete with Accessories
6.2.2 Clear Glass	
6.2.3 Jalousie Glass	
6.2.4 Insect Screen	
6.3 Hardwares & Accessories	
6.3.1 Entrance Handleset with Deadbolt & Dummy Handle	Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty

6.3.2	Entrance Lockset	Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty
6.3.3	Privacy Lockset	Lever, Type Antique Brass or Antique Copper Finish Heavy Duty
6.3.4	Door Hinges	Loose Pin, Heavy Duty, 3" x 3", Stainless Steel Finish
6.3.5	Foot Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.6	Chain Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.7	Barrel Bolt	4", Heavy Duty, Stainless Steel Finish
7. STEEL WORKS		
7.1 Structural Steel		
7.1.1	Angle Bars, Flat Bars, Tubular Bars, Round Bars & Channel Bars	PNS 26:199, Standard sizes (as per specified)
7.1.2	G.I. Pipes	Schedule 40
7.1.3	Steel Plate	6mm thk.
7.2 Others		
7.2.1	Wood Screws	Flat Head, Black, (submit sample for approval)
7.2.2	Welding Rod	AWS A5.1 E6013
7.2.3	Anchor Bolts	10mmØ and 12mmØ with Nuts & Washer
8. ROOFING WORKS		
8.1	Roofing Sheets	Corrugated type Pre-painted Longspan Sheets, Gauge 25, Forrest Green
8.2	Roofing Bended Accessories (Ridge Roll, Flashngs, Gutters)	Pre-painted Bended Accessories Gauge 24, Forrest Green
8.3	Others	Aluminum type, submit sample for approval
8.3.1	Rivets	Steel, For wood & metal, hex head
8.3.2	Tek screw	Clear, Construction Grade, neutral cure, 100% silicone
8.3.2	Roof Sealant	
9. CARPENTRY WORKS		
9.1 Fiber Cement & Acoustic Boards		
9.1.1	Ficem Boards	4.5mm & 6mm thk. Fiber Cement Board
9.1.1	Fascia Boards	12"x12'x 1/2" Fiber Cement Board
9.1.1	Acoustic Boards	5/8" thk., 2'x4' Panels, Fine Fissured

9.1.1 Metal Furrings, Metal Studs & T-runners	Light Gauge, Galvanized Steel
<u>9.2 Plywood & Wood Items</u>	
9.2.1 T & G Wood Planks	Kiln Dried, Hardwood (submit sample for approval)
9.2.2 Rough Wood	Kiln Dried, Hardwood (submit sample for approval)
9.2.3 S4S Wood	Kiln Dried, Hardwood (submit sample for approval)
9.2.4 Plywood	
9.2.4.a Marine Plywood	¾" thk. or ½" thk. or ¼" thk, PNS 196:2000
9.2.4.b Ordinary Plywood	¾" thk. or ½" thk. or ¼" thk, PNS 196:2000
9.2.4 Wood Preservation	Brown color, solvent based, for fungicidal and insecticidal
<u>9.3 Others</u>	
9.3.1 Drawer Guides	16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type)
9.3.2 Felt Guide	Metal Felt Guide, 6m long with screws
9.3.3 Felt Roller	Plastic Roller with Metal Casing (including screws)
9.3.4 Chrome Flange	¾"Ø with screws
9.3.5 Chrome Bar	¾"Ø x 6m long
9.3.6 Cabinet Handle	3" to 4" Flush Type Handle
9.3.7 Toilet Partitions	¾" thk. Laminated Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets), verify approved Color. Anodized Aluminum Stucco Sheet on Anodized Aluminum Frame including Accessories (Brackets)
10. ELECTRICAL WORKS	
<u>10.1 Wires, Pipes & Boxes</u>	
10.1.1 Electrical Wires	THW and/or THNN, Stranded
10.1.2 PVC Pipes & Fittings	PNS 14:1983, Series 600, PVC Orange Pipes
10.1.3 RSC Pipes & Fittings	Standard trade sizes, hot dipped galvanized with inside enamel or epoxy coating
10.1.4 Junction Box	4 x 4 PVC
10.1.5 Utility Box	4 x 2 PVC
<u>10.2 Fixtures & Accessories</u>	
10.2.1 Lighting Switches	

(Plate & Element)			"Wide Series" Plain White, 1-Gang, 2-Gang, 3-way switches
10.2.2	Convenience Outlets (Plate & Element)		"Wide Series" Plain White, Duplex, Universal Type
10.2.3	Downlight & Pinlight		
10.2.3.a	Tubular Type		4"∅ & 8"∅, White Color with 8w LED Bulb (Daylight)
10.2.3.b	Circular LED		4"∅ & 6"∅ White Color with 6.5w LED Bulb (Daylight & Warm White)
			6"∅, White Color with 15w LED Bulb (Daylight)
10.2.4	Chandeliers		5 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval) 3 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)
10.2.5	Post Lamp		with 12w Bulb, see approved sample
10.2.6	Flourescent Lights		Industrial Type Housing, single and double socket, with 18w T8 LED
10.2.7	Panel Box		Bolt-on or Plug-on, Flushed Type
10.2.8	Breakers		Bolt-on or Plug-on Bolt-on or Plug-on
10.2.8.a	Individual Circuit Breakers		
10.2.8.b	Main Circuit Breakers		12", Heavy Duty Type, White, Ceiling Mounted
10.2.9	Duct Fan		Breaker Type, with Metal Recessed Casing
10.2.10	Manual Transfer Switch		
10.3 Others			"Heat Pump" Type, 2.7Kw, LPCB certified 230V, 50/60 Hz
10.3.1	Centralized Water Heater		130 gals, with Sacrificial Anode, 6Kw Back-up Heating Element, Temperature Guage Monitor, Pressure Relief Valve
10.3.2	Calorifer Tank		1HP Pump
10.3.3	Recirculating Pump		60gals capacity
10.3.4	Bladder Tank		

10.3.5 Centrifugal Pump	1HP Pump Self Priming with Gauge and Automatic Switch
11. PLUMBING WORKS	
<u>11.1 Pipes & Fittings</u>	
11.1.1 Pipes	PN20 PPR Pipes
11.1.2 Fittings	PN20 PPR
<u>11.2 Fixtures & Accessories</u>	
11.2.1 Water Closet	Dual Flush Type (Water Saver), 1.6gpf, White, Complete with Accessories
11.2.2 Lavatory	Wall-Hung Type, White, Complete with Accessories (including Faucet, Valves & Flexible Hose)
11.2.3 Paper & Soap Holder	Stainless Steel Finish
11.2.4 Floor Drains	4" Stainless Steel Finish with Strainer
11.2.5 Bidet Faucet	Chrome Plated, with rotating Head, complete with accessories.
11.2.6 Shower Set	3-Way Valve (H/C) with Shower Head (Telephone Type) and Handle Bar
11.2.7 Gate Valves	1/2"Ø and/or 3/4"Ø, Brass Type
11.2.8 Three-way Angle Valves	1/2" x 1/2" x 1/2", Chrome Plated
11.2.9 Mirror	1/4" thk., Frameless
12. SANITARY WORKS	
<u>12.1 Pipes & Fittings</u>	
12.1.1 PVC Pipes	Series 1000, UPVc Orange Pipes
12.1.2 Fittings	Series 1000, UPVc Orange Pipes
<u>12.2 Others</u>	
12.2.1 Septic Tank	2000 Liter, Horizontal, LLDPE (Low Linear Density) Type
13. PAINTING WORKS	
<u>13.1 Paints & Varnish</u>	
13.1.1 Acrylic Solvent Based Paint (Light & Dark)	"Liquid Tile" or "Acrytex" or approved equal (verify approved Color Scheme) --- Tulle White & Baguio Green
13.1.2 Acrylic Solvent Based Primer	"Liquid Tile" or "Acrytex" or approved equal
13.1.3 Acrylic Solvent Based Reducer	"Liquid Tile" or "Acrytex" or approved equal
13.1.4 Acrylic Solvent Based Cast	"Liquid Tile" or "Acrytex" or approved equal

13.1.5 Acrylic Solvent Based Putty Filler 13.1.6 Acrylic Solvent Based Penetrating Sealer 13.1.7 Latex Paint 13.1.8 Acri-Color 13.1.9 Masonry Putty 13.1.10 Quick Dry Enamel Paint 13.1.11 Primer Paint 13.1.12 Glazing Putty <u>13.2 Thinners & Fillers</u> 13.2.1 Thinners 13.2.2 Body Filler 13.2.3 Paint Stripper 13.2.4 Neutralizer	Flat (White) & Semi-Gloss Type (verify approved Color Scheme) Colors will be based on the approved Color Scheme Water based, for Latex Paints Colors will be based on the approved Color Scheme Zinc Phosphate or Zinc Chromate Alkyd type, for Enamel Paints Paint & Lacquer Type Epoxy Type, with Hardener Non-corrosive, for all types of paint For concrete, liquid acidic substance
14. TILE WORKS	
<u>14.1 Tiles</u> 14.1.1 Floor Tiles 14.1.2 Wall Tiles 14.1.3 Homogeneous Tiles 14.1.3.a Non-Skid/Unpolished <u>14.2 Others</u> 14.2.1 Tile Grout 14.2.2 Tile Adhesive	20cm x 20cm & 30cm x 30cm Vitrified Floor Tiles (verify color & design) 20cm x 20cm & 30cm x 30cm Glazed Wall Tiles (verify color & design) 60cm x 60cm (verify color & design) Color: Black, PNS ISO 13007 – 1:2014 Color: Black, PNS ISO 13007 – 1:2014 Type C2
16. ELECTRONICS & COMMUNICATION WORKS	
<u>16.1 Audio System</u> 16.1.1 Signal & Patching Cables 16.1.2 Pro Audio Connectors 16.1.3 Switchboard Power 16.1.4 Power Cables 16.1.5 Audio Mixer 16.1.6 Audio Cables	submit sample for approval submit sample for approval 220-240V 15/30A submit sample for approval 8channel, with USB port submit sample for approval

<u>16.2 CCTV System</u>	
16.2.1 Cable Wires	submit sample for approval.
16.2.2 BNC Connectors	submit sample for approval.
16.2.3 BNC & Cable	submit sample for approval.
16.2.4 Power Distributor	submit sample for approval
16.2.5 Adapter	AC/DC 12V 2A
<u>16.3 Fire Alarm System</u>	
16.3.1 Fire Alarm Control Panel	Two-Zone. Surface Mounted, Metal Enclosure, LPCB certified 230V, 50/60 Hz
16.3.2 Fire Alarm Bell	8" diameter, 240V, Loud & clear ringing tone
16.3.3 Manual Station Switch	with "Break Glass" cover, suitable for open or close circuit system
16.3.5 Fire Exit Sign	LED Type Single Faced, with Overcharging Protection and 3 Hour back-up Battery, fuse protected, Wall Mounted
16.3.6 Emergency Light	2 Beam Light LED Type, with Overcharging Protection, fuse protected, Wall Mounted

SUMMARY OF MATERIALS (TECHNICAL SPECIFICATIONS)

Project : REPAIR, REHABILITATION & RESTORATION
OF RECTO HALL
Location : Baguio Teacher's Camp, Baguio City

WORK ITEM/MATERIAL	TECHNICAL SPECIFICATION
1. EARTHWORKS	
1.1 Soil Poisoning	Solvent Based, Low odor, environment friendly
2. CONCRETING WORKS	
2.1 Cement	Portland, PNS 7:2005
3. REBAR WORKS	
3.1 Rebars 3.2 Tie Wires	Steel Bars, PNS 49:2000, Grade 33 G.I., gauge16
4. FORMWORKS	
4.1 Form Plywood 4.2 Form Lumber	½" thk., PNS 196:2000 Coco Lumber
5. MASONRY WORKS	
5.1 Concrete Hollow Block	6"X8"X16" Load Bearing CHB, 800psi, confirming with ASTM C-90- 70
6. DOORS & WINDOWS	
6.1 Doors	
6.1.1 Panel Doors 6.1.2 Flush Doors	Hardwood, Kiln Dried (verify approved design) Marine Plywood & Ordinary Plywood (verify approved design)
6.2 Windows & Screens	
6.2.1 Clear Glass 6.2.2 Jalousie Glass 6.2.3 Insect Screen	⅛" thk or ¼" thk Clear Glass ¼" thk Smoked Glass Insect Fiber Screen on Aluminum Powdercoated complete with Accessories
6.3 Hardwares & Accessories	
6.3.1 Entrance Handleset with Deadbolt & Dummy Handle 6.3.2 Entrance Lockset 6.3.3 Privacy Lockset	Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty Lever, Type Antique Brass or Antique Copper Finish Heavy Duty

6.3.4	Door Hinges	Loose Pin, Heavy Duty, 3" x 3", Stainless Steel Finish
6.3.5	Foot Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.6	Chain Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.7	Barrel Bolt	4", Heavy Duty, Stainless Steel Finish
7. STEEL WORKS		
7.1 Structural Steel		
7.1.1	Angle Bars, Flat Bars, Tubular Bars, Round Bars & Channel Bars	PNS 26:199, Standard sizes (as per specified)
7.1.2	G.I. Pipes	Schedule 40
7.1.3	Steel Plate	6mm thk.
7.2 Others		
7.2.1	Wood Screws	Flat Head, Black, (submit sample for approval)
7.2.2	Welding Rod	AWS A5.1 E6013
7.2.3	Anchor Bolts	10mmØ and 12mmØ with Nuts & Washer
8. ROOFING WORKS		
8.1	Roofing Sheets	Corrugated type Pre-painted Longspan Sheets, Gauge 25, Forrest Green
8.2	Roofing Bended Accessories (Ridge Roll, Flashngs, Gutters)	Pre-painted Bended Accessories Gauge 24, Forrest Green
8.3	Others	Aluminum type, submit sample for approval
8.3.1	Rivets	Steel, For wood & metal, hex head
8.3.2	Tek screw	Clear, Construction Grade, neutral cure,
8.3.2	Roof Sealant	100% silicone
9. CARPENTRY WORKS		
9.1 Fiber Cement & Acoustic Boards		
9.1.1	Ficem Boards	4.5mm & 6mm thk. Fiber Cement Board
9.1.1	Fascia Boards	12"x12'x ½" Fiber Cement Board
9.1.1	Acoustic Boards	5/8" thk., 2'x4' Panels, Fine Fissured
9.1.1	Metal Furrings, Metal Studs & T-runners	Light Gauge, Galvanized Steel
9.2 Plywood & Wood Items		
9.2.1	T & G Wood Planks	Kiln Dried, Hardwood (submit sample for approval)

9.2.2 Rough Wood	Kiln Dried, Hardwood (submit sample for approval)
9.2.3 S4S Wood	Kiln Dried, Hardwood (submit sample for approval)
9.2.4 Plywood	
9.2.4.a Marine Plywood	3/4" thk. or 1/2" thk. or 1/4" thk, PNS 196:2000
9.2.4.b Ordinary Plywood	3/4" thk. or 1/2" thk. or 1/4" thk, PNS 196:2000
9.2.4 Wood Preservation	Brown color, solvent based, for fungicidal and insecticidal
9.3 Others	
9.3.1 Drawer Guides	16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type)
9.3.2 Felt Guide	Metal Felt Guide, 6m long with screws
9.3.3 Felt Roller	Plastic Roller with Metal Casing (including screws)
9.3.4 Chrome Flange	3/4"Ø with screws
9.3.5 Chrome Bar	3/4"Ø x 6m long
9.3.6 Cabinet Handle	3" to 4" Flush Type Handle
10. ELECTRICAL WORKS	
10.1 Wires, Pipes & Boxes	
10.1.1 Electrical Wires	THW and/or THNN, Stranded
10.1.2 PVC Pipes & Fittings	PNS 14:1983, Series 600, PVC Orange Pipes
10.1.3 RSC Pipes & Fittings	Standard trade sizes, hot dipped galvanized with inside enamel or epoxy coating
10.1.4 Junction Box	4 x 4 PVC
10.1.5 Utility Box	4 x 2 PVC
10.2 Fixtures & Accessories	
10.2.1 Lighting Switches (Plate & Element)	"Wide Series" Plain White, 1-Gang, 2-Gang, 3-way switches
10.2.2 Convenience Outlets (Plate & Element)	"Wide Series" Plain White, Duplex, Universal Type
10.2.3 Downlight & Pinlight	4"Ø & 8"Ø, White Color with 8w LED Bulb (Daylight)
10.2.3.a Tubular Type Downlight	4"Ø & 6"Ø White Color with 6.5w LED Bulb (Daylight & Warm White)
10.2.3.b Circular LED Downlight	

<p>10.2.4 Chandeliers</p> <p>10.2.5 Post Lamp</p> <p>10.2.6 Flourescent Lights</p> <p>10.2.7 Panel Box</p> <p>10.2.8 Breakers</p> <p> 10.2.8.a Individual Circuit Breakers</p> <p> 10.2.8.b Main Circuit Breakers</p> <p>10.2.9 Manual Transfer Switch</p> <p><u>10.3 Others</u></p> <p>10.3.1 Centralized Water Heater</p> <p>10.3.2 Calorifer Tank</p> <p>10.3.3 Recirculating Pump</p> <p>10.3.4 Bladder Tank</p> <p>10.3.5 Centrifugal Pump</p>	<p>6"ø, White Color with 15w LED Bulb (Daylight)</p> <p>5 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)</p> <p>3 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)</p> <p>with 12w Bulb, see approved sample</p> <p>Industrial Type Housing, single and double socket, with 18w T8 LED</p> <p>Bolt-on or Plug-on, Flushed Type</p> <p>Bolt-on or Plug-on</p> <p>Bolt-on or Plug-on</p> <p>Breaker Type, with Metal Recessed Casing</p> <p>"Heat Pump" Type, 2.7Kw, LPCB certified 230V, 50/60 Hz</p> <p>130 gals, with Sacrificial Anode, 6Kw Back-up Heating Element, Temperature Guage Monitor, Pressure Relief Valve</p> <p>1HP Pump</p> <p>60gals capacity</p> <p>1HP Pump Self Priming with Gauge and Automatic Switch</p>
<p>11. PLUMBING WORKS</p>	
<p><u>11.1 Pipes & Fittings</u></p> <p>11.1.1 Pipes</p> <p>11.1.2 Fittings</p> <p><u>11.2 Fixtures & Accessories</u></p> <p>11.2.1 Water Closet</p> <p>11.2.2 Lavatory</p>	<p>PN20 PPR Pipes</p> <p>PN20 PPR</p> <p>Dual Flush Type (Water Saver), 1.6gpf, White, Complete with Accessories</p> <p>Wall-Hung Type, White, Complete with Accessories (including Faucet, Valves & Flexible Hose)</p>

11.2.3 Paper & Soap Holder 11.2.4 Floor Drains 11.2.5 Bidet Faucet	Stainless Steel Finish 4" Stainless Steel Finish with Strainer Chrome Plated, with rotating Head, complete with accessories.
11.2.6 Shower Set	3-Way Valve (H/C) with Shower Head (Telephone Type) and Handle Bar
11.2.7 Gate Valves 11.2.8 Three-way Angle Valves 11.2.9 Mirror	1/2"Ø and/or 3/4"Ø, Brass Type 1/2" x 1/2"x 1/2", Chrome Plated 1/4" thk., Frameless
12. SANITARY WORKS	
<u>12.1 Pipes & Fittings</u>	
12.1.1 Pvc Pipes 12.1.2 Fittings	Series 1000, UPVc Orange Pipes Series 1000, UPVc Orange Pipes
13. PAINTING WORKS	
<u>13.1 Paints & Varnish</u>	
13.1.1 Acrylic Solvent Based Paint (Light & Dark)	"Liquid Tile" or "Acrytex" or approved equal (verify approved Color Scheme) --- Tulle White & Baguio Green
13.1.2 Acrylic Solvent Based Primer	"Liquid Tile" or "Acrytex" or approved equal
13.1.3 Acrylic Solvent Based Reducer	"Liquid Tile" or "Acrytex" or approved equal
13.1.4 Acrylic Solvent Based Cast	"Liquid Tile" or "Acrytex" or approved equal
13.1.5 Acrylic Solvent Based Putty Filler	"Liquid Tile" or "Acrytex" or approved equal
13.1.6 Acrylic Solvent Based Penetrating Sealer	"Liquid Tile" or "Acrytex" or approved equal
13.1.7 Latex Paint	Flat (White) & Semi-Gloss Type (verify approved Color Scheme)
13.1.8 Acri-Color	Colors will be based on the approved Color Scheme
13.1.9 Masonry Putty	Water based, for Latex Paints
13.1.10 Quick Dry Enamel Paint	Colors will be based on the approved Color Scheme
13.1.11 Primer Paint	Zinc Phosphate or Zinc Chromate
13.1.12 Glazing Putty	Alkyd type, for Enamel Paints
<u>13.2 Thinners & Fillers</u>	
13.2.1 Thinners	Paint & Lacquer Type
13.2.2 Body Filler	Epoxy Type, with Hardener
13.2.3 Paint Stripper	Non-corrosive, for all types of paint
13.2.4 Neutralizer	For concrete, liquid acidic substance
14. TILE WORKS	

<p>14.1 Tiles</p> <p>14.1.1 Floor Tiles</p> <p>14.1.2 Wall Tiles</p> <p>14.1.3 Homogeneous Tiles</p> <p> 14.1.3.a Non-Skid/Unpolished</p> <p>14.2 Others</p> <p>14.2.1 Tile Grout</p> <p>14.2.2 Tile Adhesive</p>	<p>20cm x 20cm & 30cm x 30cm Vitrified Floor Tiles (verify color & design)</p> <p>20cm x 20cm & 30cm x 30cm Glazed Wall Tiles (verify color & design)</p> <p>60cm x 60cm (verify color & design)</p> <p>Color: Black, PNS ISO 13007 – 1:2014</p> <p>Color: Black, PNS ISO 13007 – 1:2014 Type C2</p>
15. WATERPROOFING	
<p>15.1 Cold process, Water-based, Polymerized Seamless Rubberized Membrane Type</p>	<p>Multi-Copolymerized resin w/ Nano Silica solid contents; High Quality, High Adhesion, Non-toxic, Non-flammable, with primer sealer, brush and roller applied</p>
16. ELECTRONICS & COMMUNICATION WORKS	
<p>16.1 Audio System</p> <p>16.1.1 Signal & Patching Cables</p> <p>16.1.2 Pro Audio Connectors</p> <p>16.1.3 Switchboard Power</p> <p>16.1.4 Power Cables</p> <p>16.1.5 Audio Mixer</p> <p>16.1.6 Audio Cables</p> <p>16.2 CCTV System</p> <p>16.2.1 Cable Wires</p> <p>16.2.2 BNC Connectors</p> <p>16.2.3 BNC & Cable</p> <p>16.2.4 Power Distributor</p> <p>16.2.5 Adapter</p> <p>16.3 Fire Alarm System</p> <p>16.3.1 Fire Alarm Control Panel</p> <p>16.3.2 Fire Alarm Bell</p> <p>16.3.3 Manual Station Switch</p>	<p>submit sample for approval</p> <p>submit sample for approval</p> <p>220-240V 15/30A</p> <p>submit sample for approval</p> <p>8channel, with USB port</p> <p>submit sample for approval</p> <p>submit sample for approval.</p> <p>submit sample for approval.</p> <p>submit sample for approval.</p> <p>submit sample for approval</p> <p>AC/DC 12V 2A</p> <p>Two-Zone. Surface Mounted, Metal Enclosure, LPCB certified 230V, 50/60 Hz</p> <p>8" diameter, 240V, Loud & clear ringing tone with with "Break Glass" cover, suitable for open or close circuit system</p>

16.3.5 Fire Exit Sign	LED Type Single Faced, with Overcharging Protection and 3 Hour back-up Battery, fuse protected, Wall Mounted
16.3.6 Emergency Light	2 Beam Light LED Type, with Overcharging Protection, fuse protected, Wall Mounted

SUMMARY OF MATERIALS (TECHNICAL SPECIFICATIONS)

Project : REPAIR, REHABILITATION & RESTORATION
OF BACHELORS HALL
Location : Baguio Teacher's Camp, Baguio City

WORK ITEM/MATERIAL	TECHNICAL SPECIFICATION
1. EARTHWORKS	
1.1 Soil Poisoning	Solvent Based, Low odor, environment friendly
2. CONCRETING WORKS	
2.1 Cement	Portland, PNS 7:2005
3. REBAR WORKS	
3.1 Rebars	Steel Bars, PNS 49:2000, Grade 33 G.I., gauge16
3.2 Tie Wires	
4. FORMWORKS	
4.1 Form Plywood	½" thk., PNS 196:2000 Coco Lumber
4.2 Form Lumber	
5. MASONRY WORKS	
5.1 Concrete Hollow Block	6"X8"X16" Load Bearing CHB, 800psi, confirming with ASTM C-90- 70 "Kennon Stone" or any approved equal
5.2 Natural Stones	
6. DOORS & WINDOWS	
6.1 Doors	
6.1.1 Panel Doors	Hardwood, Kiln Dried (verify approved design) Marine Plywood & Ordinary Plywood (verify approved design)
6.1.2 Flush Doors	
6.2 Windows & Screens	
6.2.1 Casement & Awning Windows	uPVC (White) Casement/Awning Window with Clear Glass on uPVC Jamb complete with Accessories ⅛" thk or ¼" thk Clear Glass ¼" thk Smoked Glass Insect Fiber Screen on Aluminum Powdercoated complete with Accessories
6.2.2 Clear Glass	
6.2.3 Jalousie Glass	
6.2.4 Insect Screen	
6.3 Hardwares & Accessories	
6.3.1 Entrance Handleset with Deadbolt & Dummy Handle	Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty

6.3.2	Entrance Lockset	Lever Type, Antique Brass or Antique Copper Finish, Heavy Duty
6.3.3	Privacy Lockset	Lever, Type Antique Brass or Antique Copper Finish Heavy Duty
6.3.4	Door Hinges	Loose Pin, Heavy Duty, 3" x 3", Stainless Steel Finish
6.3.5	Foot Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.6	Chain Bolt	8", Heavy Duty, Stainless Steel Finish
6.3.7	Barrel Bolt	4", Heavy Duty, Stainless Steel Finish
7. STEEL WORKS		
7.1 Structural Steel		
7.1.1	Angle Bars, Flat Bars, Tubular Bars, Round Bars & Channel Bars	PNS 26:199, Standard sizes (as per specified)
7.1.2	G.I. Pipes	Schedule 40
7.1.3	Steel Plate	6mm thk.
7.2 Others		
7.2.1	Wood Screws	Flat Head, Black, (submit sample for approval)
7.2.2	Welding Rod	AWS A5.1 E6013
7.2.3	Anchor Bolts	10mmØ and 12mmØ with Nuts & Washer
8. ROOFING WORKS		
8.1	Roofing Sheets	Corrugated type Pre-painted Longspan Sheets, Gauge 25, Forrest Green
8.2	Roofing Bended Accessories (Ridge Roll, Flashngs, Gutters)	Pre-painted Bended Accessories Gauge 24, Forrest Green
8.3	Others	Aluminum type, submit sample for approval
8.3.1	Rivets	Steel, For wood & metal, hex head
8.3.2	Tek screw	Clear, Construction Grade, neutral cure,
8.3.2	Roof Sealant	100% silicone
9. CARPENTRY WORKS		
9.1 Fiber Cement & Acoustic Boards		
9.1.1	Ficem Boards	4.5mm & 6mm thk. Fiber Cement Board
9.1.1	Fascia Boards	12"x12'x ½" Fiber Cement Board

<p>9.1.1 Acoustic Boards 9.1.1 Metal Furrings, Metal Studs & T-runners</p>	<p>5/8" thk., 2'x4' Panels, Fine Fissured Light Gauge, Galvanized Steel</p>
<p><u>9.2 Plywood & Wood Items</u></p>	
<p>9.2.1 T & G Wood Planks</p>	<p>Kiln Dried, Hardwood (submit sample for approval)</p>
<p>9.2.2 Rough Wood</p>	<p>Kiln Dried, Hardwood (submit sample for approval)</p>
<p>9.2.3 S4S Wood</p>	<p>Kiln Dried, Hardwood (submit sample for approval)</p>
<p>9.2.4 Plywood</p>	
<p>9.2.4.a Marine Plywood</p>	<p>3/4" thk. or 1/2" thk. or 1/4" thk, PNS 196:2000</p>
<p>9.2.4.b Ordinary Plywood</p>	<p>3/4" thk. or 1/2" thk. or 1/4" thk, PNS 196:2000</p>
<p>9.2.4 Wood Preservation</p>	<p>Brown color, solvent based, for fungicidal and insecticidal</p>
<p><u>9.3 Others</u></p>	
<p>9.3.1 Drawer Guides</p>	<p>16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type)</p>
<p>9.3.2 Felt Guide</p>	<p>Metal Felt Guide, 6m long with screws</p>
<p>9.3.3 Felt Roller</p>	<p>Plastic Roller with Metal Casing (including screws)</p>
<p>9.3.4 Chrome Flange</p>	<p>3/4"Ø with screws</p>
<p>9.3.5 Chrome Bar</p>	<p>3/4"Ø x 6m long</p>
<p>9.3.6 Cabinet Handle</p>	<p>3" to 4" Flush Type Handle</p>
<p>9.3.7 Toilet Partitions</p>	<p>3/4" thk. Laminated Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets), verify approved Color.</p>
<p>Anodized Aluminum Stucco Sheet on Anodized Aluminum Frame including Accessories (Brackets)</p>	
<p>10. ELECTRICAL WORKS</p>	
<p><u>10.1 Wires, Pipes & Boxes</u></p>	
<p>10.1.1 Electrical Wires</p>	<p>THW and/or THNN, Stranded</p>
<p>10.1.2 PVC Pipes & Fittings</p>	<p>PNS 14:1983, Series 600, PVC Orange Pipes</p>
<p>10.1.3 RSC Pipes & Fittings</p>	<p>Standard trade sizes, hot dipped galvanized with inside enamel or epoxy coating</p>

10.1.4 Junction Box	4 x 4 PVC
10.1.5 Utility Box	4 x 2 PVC
<u>10.2 Fixtures & Accessories</u>	
10.2.1 Lighting Switches (Plate & Element)	“Wide Series” Plain White, 1-Gang, 2-Gang, 3-way switches
10.2.2 Convenience Outlets (Plate & Element)	“Wide Series” Plain White, Duplex, Universal Type
10.2.3 Downlight & Pinlight	
10.2.3.a Tubular Type Downlight	4”ø & 8”ø, White Color with 8w LED Bulb (Daylight)
10.2.3.b Circular LED Downlight	4”ø & 6”ø White Color with 6.5w LED Bulb (Daylight & Warm White)
10.2.4 Chandeliers	6”ø, White Color with 15w LED Bulb (Daylight)
	5 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)
10.2.5 Post Lamp	3 Bracket, with 5w LED Bulbs, Warm White (submit sample for approval)
10.2.6 Flourescent Lights	with 12w Bulb, see approved sample
10.2.7 Panel Box	Industrial Type Housing, single and double socket, with 18w T8 LED
10.2.8 Breakers	
10.2.8.a Individual Circuit Breakers	Bolt-on or Plug-on, Flushed Type
10.2.8.b Main Circuit Breakers	Bolt-on or Plug-on
10.2.9 Manual Transfer Switch	Bolt-on or Plug-on
<u>10.3 Others</u>	
10.3.1 Centralized Water Heater	Breaker Type, with Metal Recessed Casing
10.3.2 Calorifer Tank	“Heat Pump” Type, 2.7Kw, LPCB certified 230V, 50/60 Hz
10.3.3 Recirculating Pump	130 gals, with Sacrificial Anode, 6Kw Back-up Heating Element, Temperature Guage Monitor, Pressure Relief Valve
10.3.4 Bladder Tank	1HP Pump
10.3.5 Centrifugal Pump	60gals capacity

	1HP Pump Self Priming with Gauge and Automatic Switch
11. PLUMBING WORKS	
<u>11.1 Pipes & Fittings</u>	
11.1.1 Pipes	PN20 PPR Pipes
11.1.2 Fittings	PN20 PPR
<u>11.2 Fixtures & Accessories</u>	
11.2.1 Water Closet	Dual Flush Type (Water Saver), 1.6gpf, White, Complete with Accessories
11.2.2 Lavatory	Wall-Hung Type, White, Complete with Accessories (including Faucet, Valves & Flexible Hose)
11.2.3 Paper & Soap Holder	Stainless Steel Finish
11.2.4 Floor Drains	4" Stainless Steel Finish with Strainer
11.2.5 Bidet Faucet	Chrome Plated, with rotating Head, complete with accessories.
11.2.6 Shower Set	3-Way Valve (H/C) with Shower Head (Telephone Type) and Handle Bar
11.2.7 Gate Valves	1/2"Ø and/or 3/4"Ø, Brass Type
11.2.8 Three-way Angle Valves	1/2" x 1/2" x 1/2", Chrome Plated
11.2.9 Mirror	1/4" thk., Frameless
12. SANITARY WORKS	
<u>12.1 Pipes & Fittings</u>	
12.1.1 PVc Pipes	Series 1000, UPVc Orange Pipes
12.1.2 Fittings	Series 1000, UPVc Orange Pipes
<u>12.2 Others</u>	
12.2.1 Septic Tank	2000 Liter, Horizontal, LLDPE (Low Linear Density) Type
13. PAINTING WORKS	
<u>13.1 Paints & Varnish</u>	
13.1.1 Acrylic Solvent Based Paint (Light & Dark)	"Liquid Tile" or "Acrytex" or approved equal (verify approved Color Scheme) --- Tulle White & Baguio Green
13.1.2 Acrylic Solvent Based Primer	"Liquid Tile" or "Acrytex" or approved equal
13.1.3 Acrylic Solvent Based Reducer	"Liquid Tile" or "Acrytex" or approved equal
13.1.4 Acrylic Solvent Based Cast	"Liquid Tile" or "Acrytex" or approved equal
13.1.5 Acrylic Solvent Based Putty Filler	"Liquid Tile" or "Acrytex" or approved equal
13.1.6 Acrylic Solvent Based Penetrating Sealer	"Liquid Tile" or "Acrytex" or approved equal

<p>13.1.7 Latex Paint</p> <p>13.1.8 Acri-Color</p> <p>13.1.9 Masonry Putty</p> <p>13.1.10 Quick Dry Enamel Paint</p> <p>13.1.11 Primer Paint</p> <p>13.1.12 Glazing Putty</p> <p>13.2 Thinners & Fillers</p> <p>13.2.1 Thinners</p> <p>13.2.2 Body Filler</p> <p>13.2.3 Paint Stripper</p> <p>13.2.4 Neutralizer</p>	<p>Flat (White) & Semi-Gloss Type (verify approved Color Scheme)</p> <p>Colors will be based on the approved Color Scheme</p> <p>Water based, for Latex Paints</p> <p>Colors will be based on the approved Color Scheme</p> <p>Zinc Phosphate or Zinc Chromate</p> <p>Alkyd type, for Enamel Paints</p> <p>Paint & Lacquer Type</p> <p>Epoxy Type, with Hardener</p> <p>Non-corrosive, for all types of paint</p> <p>For concrete, liquid acidic substance</p>
14. TILE WORKS	
<p>14.1 Tiles</p> <p>14.1.1 Floor Tiles</p> <p>14.1.2 Wall Tiles</p> <p>14.1.3 Homogeneous Tiles</p> <p> 14.1.3.a Non-Skid/Unpolished</p> <p>14.2 Others</p> <p>14.2.1 Tile Grout</p> <p>14.2.2 Tile Adhesive</p>	<p>20cm x 20cm & 30cm x 30cm Vitrified Floor Tiles (verify color & design)</p> <p>20cm x 20cm & 30cm x 30cm Glazed Wall Tiles (verify color & design)</p> <p>60cm x 60cm (verify color & design)</p> <p>Color: Black, PNS ISO 13007 – 1:2014</p> <p>Color: Black, PNS ISO 13007 – 1:2014 Type C2</p>
15. WATERPROOFING	
<p>15.1 Cold process, Water-based, Polymerized Seamless Rubberized Membrane Type</p>	<p>Multi-Copolymerized resin w/ Nano Silica solid contents; High Quality, High Adhesion, Non-toxic, Non-flammable, with primer sealer, brush and roller applied</p>
16. ELECTRONICS & COMMUNICATION WORKS	
<p>16.1 Audio System</p> <p>16.1.1 Signal & Patching Cables</p> <p>16.1.2 Pro Audio Connectors</p> <p>16.1.3 Switchboard Power</p> <p>16.1.4 Power Cables</p> <p>16.1.5 Audio Mixer</p> <p>16.1.6 Audio Cables</p>	<p>submit sample for approval</p> <p>submit sample for approval</p> <p>220-240V 15/30A</p> <p>submit sample for approval</p> <p>8channel, with USB port</p> <p>submit sample for approval</p>

<p><u>16.2 CCTV System</u></p> <p>16.2.1 Cable Wires 16.2.2 BNC Connectors 16.2.3 BNC & Cable 16.2.4 Power Distributor 16.2.5 Adapter</p>	<p>submit sample for approval. submit sample for approval. submit sample for approval. submit sample for approval AC/DC 12V 2A</p>
<p><u>16.3 Fire Alarm System</u></p> <p>16.3.1 Fire Alarm Control Panel</p> <p>16.3.2 Fire Alarm Bell 16.3.3 Manual Station Switch</p> <p>16.3.5 Fire Exit Sign</p> <p>16.3.6 Emergency Light</p>	<p>Two-Zone. Surface Mounted, Metal Enclosure, LPCB certified 230V, 50/60 Hz</p> <p>8" diameter, 240V, Loud & clear ringing tone with with "Break Glass" cover, suitable for open or close circuit system</p> <p>LED Type Single Faced, with Overcharging Protection and 3 Hour back-up Battery, fuse protected, Wall Mounted</p> <p>2 Beam Light LED Type, with Overcharging Protection, fuse protected, Wall Mounted</p>

PROJECT: REPAIR, REHABILITATION & RESTORATION OF ESCODA HALL

I. SCHEDULE OF REQUIREMENTS: Contract Duration / Delivery Schedule

The Contract duration of the projects shall be within **One Hundred Ninety Five (195) calendar days** from receipt of Notice to Proceed.

II. GENERAL CONDITIONS

1. The work under this project shall consist of the materials, equipment, tools, labor and supervision and all other items necessary to properly complete the work in a safe, effective, and efficient manner to complete the construction of the project.
2. Materials deemed necessary to complete the works but not specifically mentioned in the Specifications, Working Drawing, or in the Contract Document shall be supplied and installed by the Contractor. Such materials shall be of the highest quality and kind, and installed or applied in a right manner at prescribed or appropriate locations following the Standard Practice of Architectural, Civil and Electrical Engineering, National Building Code of the Philippines and Construction Procedures;
3. The Contractor shall be held liable for damage/s during the construction period and shall be repaired and/or replaced at no additional cost to the DepEd.
4. It shall be the responsibility of the Prospective Bidders to inspect the site before submission of bids. No plea of ignorance by the Bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill the requirements of this Contract will be accepted.
5. The Bidders / Contractors shall include in his bid all related expenses and obligations, including VAT, E-VAT, as well as the carrying out of the services and supply of all necessary requirements in handling over the work to DepEd, in accordance with relevant conditions, rules and regulations.
6. The Contractor shall closely coordinate with DepEd Project In-charge to ensure proper phasing or schedule of works.
7. The Contractor shall submit a daily / weekly / monthly activity report. The report shall contain the daily activities in the site, including weather condition, delivery, manpower and other matter pertaining to the condition of the project. This will also serve as data for Contractor and the DepEd Inspector.

8. Employees of the Contractor shall at all times be wearing uniforms that clearly identify them as an employee of the Contractor.
9. The Contractor shall conduct site monitoring for the effective implementation of the project. Any discrepancies on plans and actual site conditions shall be properly coordinated with DepEd for verification.
10. The Contractor shall pay their electric and water consumption bills. Sub meters shall be installed at the expense of the Contractor to determine their actual consumption. Billings of utilities consumption will be sent in writing by the DepEd to the Contractor. Payment of bills shall be made thru the Cashiers Office every month until the completion of the project.
11. The contractor shall process and secure all the necessary permits as required by the National Building Code for the preparation, execution and upon completion of the contract. The Contractor shall coordinate with other agencies and pay the corresponding fees incidental to the acquisition of the required permits.

III. KEY PERSONNEL

1. Site / Construction Supervisor (Architect, Engineer)	Full Time from initiation of site mobilization activities up to final acceptance of the works.	Must be competent and duly licensed to practice their respective professions, with at least three (3) years' experience in their fields of specialization.
2. Skilled Workers	Full Time	Master Plumbers, Tile Setters, Masons (Finishing), Master Electricians, Carpenters (Rough and Finishing), Building Painters (Finishing), Welder
3. Safety Officer	Full Time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and injury on workers or loss of properties.

IV. QUALITY CONTROL

1. The plans and specifications shall form part as one. Anything mentioned on plans and not mentioned on the scope of work and specifications and

vice versa shall be properly consulted to DepEd Project-In-Charge for clarification.

2. Any work or materials not in accordance with the drawings or specifications shall be rejected.
3. In the case of any conflict between the technical requirement and specifications of this contract and the reference documents, or among the reference documents, the order of precedence is: 1) Scope of Work 2) Basic Engineering Drawings 3) Technical Specifications 4) National Standards for Building Construction 5) International Codes and Standards. The Contractor shall notify any discrepancy found in the documentation to DepEd in writing for clarification. DepEd will respond to such request in writing.
4. No alteration or additional work shall be implemented without prior approval by DepEd. The Contractor shall secure written authority from DepEd for any change or variation of works.
5. DepEd may at all time issue revisions to the Contact Documents, Specifications and Drawings.
6. The Contractor shall at all times be fully equipped with necessary standard sampling facilities on all materials needed for the project.
7. Prior to installation of any item / construction materials, the Contractor is required to submit product sample / catalogue / brochures and result of testing of materials with complete specifications to DepEd for evaluation and approval.
8. The Contractor shall request to DepEd Project In-Charge for any inspection.
9. Punch Listing. The Contractor shall request a joint punch listing works prior to 95% completion to DepEd Project In-Charge. Rectification works shall be done within 15 calendar days.

V. SAFETY MEASURES AND WORK PROTECTION

1. Wearing of Personal Protective Equipment or safety gadgets (i.e belt, goggles, hard hat, working uniform and safety shoes) for all workers shall be observed at all time including provision of first aid kit, as well as the provision of necessary safety signages on site.
2. The Contractor shall provide a warning sign, including barricades, temporary facilities, temporary fences, warning lights and similar safeguards as they are required for protection of his manpower and others during the construction life of this project.

3. Good housekeeping shall be observed at all times at the construction premises. The Contractor shall clear the area from all obstruction or as affected by the construction works, except those structures indicated on the drawings or designated by Architect/Engineer to be left standing.
4. The Contractor shall protect existing buildings and other structures such as ceilings, rooms and hallways, which are indicated to remain, from damage and repair damage caused by this work at no additional cost to the DepEd.
5. Existing utility lines indicated or locations of which are made known to the Contractor prior to execution of works, and that which are indicated to be retained, as well as utility lines constructed during operations, shall be protected from damage during execution of the work, and if damaged, shall be repaired at no extra cost. Site survey shall be conducted by the Contractor to acquaint with existing utility lines. Proper measures shall be taken and immediate information forwarded to the Architect / Engineer when utility lines are encountered within the area of operation.
6. The Contractor shall protect existing buildings and other structures, which are indicated to remain, from damage and repair damage caused by this work at no additional cost to the DepEd.
7. Where utility lines are encountered within the area of operations, the Contractor shall notify the DepEd in ample time for the necessary measures to be taken if there is an interruption of the service.
8. The contractor shall comply to the guidelines stated on the DepEd Order No.9 s.2020 titled Construction Safety Guidelines for the Implementation of DepEd Infrastructure Projects during the Covid-19 Public Health Crises.

VI. PROJECT MEETINGS

1. Pre-construction Conference / Coordination Meeting - Immediately after the Notice to Proceed, a Preconstruction Conference / Meeting / Kick off meeting shall be held between DepEd and Contractor.
2. Pre-construction Safety Conference / meeting – A preconstruction Safety Conference / meeting shall be held to review and discuss the contractor's safety program to achieve a mutual understanding of the contractor's Accident Prevention Plan APP.
3. Progress Meeting – The Contractor and DepEd Project In-Charge shall meet as need arises.

VII. SUBMITTALS

1. The Contractor shall submit the Construction Schedule to DepEd Project Project-In-Charge before covering up any work so that proper inspection may be made.

2. The Contractor shall prepare a Network Analysis Schedules / Bar Chart Construction Schedule to indicate all activities necessary to complete the project.
3. Monthly accomplishment report in narrative form shall be submitted to DepEd complete with pictures of on-going project
4. Shop Drawings, Product Data and Samples
 - 4.1 The Contractor shall review, stamp with his approval and submit shop drawings and submittals for approval of the DepEd Project In-Charge for conformance of the design concept and information given in the Contract Documents. The work shall be in accordance with the Drawings and Specifications.
 - 4.2 Where specified or required, the Contractor shall submit samples to the DepEd Project In-Charge together with specification material, affidavits and other documentation as may be required by the DepEd. It is the Contractor's specific responsibility to ascertain that the samples submitted have been checked and approved by him. The cost of the samples together with the transportation, delivery and any other costs shall be borne by the Contractor.
 - 4.3 The contractor shall submit three (3) copies of the approved plans and permits to construct respective Lot(s) of the above projects at DepEd Central Office.
 - 4.5 The Contractor shall submit three (3) copies of certified final as-built drawings, 20" x 30", and all documents related to the project to the DepEd.
 - 4.6 Where samples are specifically required to be submitted for approval, no work involving the samples / materials shall proceed until written approval has been obtained from the DepEd.
 - 4.7 Monthly accomplishment report shall be submitted to DepEd
 - a. Narrative Report
 - b. Progress photographs;
 - c. Materials Test Result
 - d. Construction Schedule
 - e. Highlights of Events and Activities

XIII. DEMOBILIZATION AND CLEAN-UP

1. The Contractor shall be responsible for the general cleaning and demobilization of all tools, surplus materials and equipment used in the execution of the work.
2. The Contractor shall turn-over and transfer any salvaged construction materials to a designated location as directed by DepEd.
3. Disposal of Cleared and Grubbed Materials – Logs, stumps, roots, bush, rotten wood, and other refuse resulting from the clearing and grubbing, operations shall be disposed of by removing from the site at the Contractor's expense.

XIV. EVALUATION AND AWARD

Evaluation and award shall be on a per Lot basis.

XV. GUARANTEE

The Contractor shall guarantee all works under this Contract to be free from any technical defects and shall replace and repair to the satisfaction of the DepEd which may fall within a period of **One (1) year** after the final acceptance of the project provided such failure is due to defects in the material or workmanship.

PROJECT: REPAIR, REHABILITATION & RESTORATION OF RECTO HALL

I. SCHEDULE OF REQUIREMENTS: Contract Duration / Delivery Schedule

The Contract duration of the projects shall be within **One Hundred Ninety Five (195) calendar days** from receipt of Notice to Proceed.

II. GENERAL CONDITIONS

1. The work under this project shall consist of the materials, equipment, tools, labor and supervision and all other items necessary to properly complete the work in a safe, effective, and efficient manner to complete the construction of the project.
2. Materials deemed necessary to complete the works but not specifically mentioned in the Specifications, Working Drawing, or in the Contract Document shall be supplied and installed by the Contractor. Such materials shall be of the highest quality and kind, and installed or applied in a right manner at prescribed or appropriate locations following the Standard Practice of Architectural, Civil and Electrical Engineering, National Building Code of the Philippines and Construction Procedures;
3. The Contractor shall be held liable for damage/s during the construction period and shall be repaired and/or replaced at no additional cost to the DepEd.
4. It shall be the responsibility of the Prospective Bidders to inspect the site before submission of bids. No plea of ignorance by the Bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill the requirements of this Contract will be accepted.
5. The Bidders / Contractors shall include in his bid all related expenses and obligations, including VAT, E-VAT, as well as the carrying out of the services and supply of all necessary requirements in handling over the work to DepEd, in accordance with relevant conditions, rules and regulations.
6. The Contractor shall closely coordinate with DepEd Project In-charge to ensure proper phasing or schedule of works.
7. The Contractor shall submit a daily / weekly / monthly activity report. The report shall contain the daily activities in the site, including weather

condition, delivery, manpower and other matter pertaining to the condition of the project. This will also serve as data for Contractor and the DepEd Inspector.

8. Employees of the Contractor shall at all times be wearing uniforms that clearly identify them as an employee of the Contractor.
9. The Contractor shall conduct site monitoring for the effective implementation of the project. Any discrepancies on plans and actual site conditions shall be properly coordinated with DepEd for verification.
10. The Contractor shall pay their electric and water consumption bills. Sub meters shall be installed at the expense of the Contractor to determine their actual consumption. Billings of utilities consumption will be sent in writing by the DepEd to the Contractor. Payment of bills shall be made thru the Cashiers Office every month until the completion of the project.
11. The contractor shall process and secure all the necessary permits as required by the National Building Code for the preparation, execution and upon completion of the contract. The Contractor shall coordinate with other agencies and pay the corresponding fees incidental to the acquisition of the required permits.

III. KEY PERSONNEL

1. Site / Construction Supervisor (Architect, Engineer)	Full Time from initiation of site mobilization activities up to final acceptance of the works.	Must be competent and duly licensed to practice their respective professions, with at least three (3) years' experience in their fields of specialization.
2. Skilled Workers	Full Time	Master Plumbers, Tile Setters, Masons (Finishing), Master Electricians, Carpenters (Rough and Finishing), Building Painters (Finishing), Welder
3. Safety Officer	Full Time	The contractor shall put up and continuously maintain adequate safety measures that shall prevent undue loss, damages and injury on workers or loss of properties.

IV. QUALITY CONTROL

1. The plans and specifications shall form part as one. Anything mentioned on plans and not mentioned on the scope of work and specifications and vice versa shall be properly consulted to DepEd Project-In-Charge for clarification.
2. Any work or materials not in accordance with the drawings or specifications shall be rejected.
3. In the case of any conflict between the technical requirement and specifications of this contract and the reference documents, or among the reference documents, the order of precedence is: 1) Scope of Work 2) Basic Engineering Drawings 3) Technical Specifications 4) National Standards for Building Construction 5) International Codes and Standards. The Contractor shall notify any discrepancy found in the documentation to DepEd in writing for clarification. DepEd will respond to such request in writing.
3. No alteration or additional work shall be implemented without prior approval by DepEd. The Contractor shall secure written authority from DepEd for any change or variation of works.
4. DepEd may at all time issue revisions to the Contact Documents, Specifications and Drawings.
5. The Contractor shall at all times be fully equipped with necessary standard sampling facilities on all materials needed for the project.
6. Prior to installation of any item / construction materials, the Contractor is required to submit product sample / catalogue / brochures and result of testing of materials with complete specifications to DepEd for evaluation and approval.
7. The Contractor shall request to DepEd Project In-Charge for any inspection.
8. Punch Listing. The Contractor shall request a joint punch listing works prior to 95% completion to DepEd Project In-Charge. Rectification works shall be done within 15 calendar days.

V. SAFETY MEASURES AND WORK PROTECTION

1. Wearing of Personal Protective Equipment or safety gadgets (i.e belt, goggles, hard hat, working uniform and safety shoes) for all workers shall be observed at all time including provision of first aid kit, as well as the provision of necessary safety signages on site.

2. The Contractor shall provide a warning sign, including barricades, temporary facilities, temporary fences, warning lights and similar safeguards as they are required for protection of his manpower and others during the construction life of this project.
3. Good housekeeping shall be observed at all times at the construction premises. The Contractor shall clear the area from all obstruction or as affected by the construction works, except those structures indicated on the drawings or designated by Architect/Engineer to be left standing.
4. The Contractor shall protect existing buildings and other structures such as ceilings, rooms and hallways, which are indicated to remain, from damage and repair damage caused by this work at no additional cost to the DepEd.
5. Existing utility lines indicated or locations of which are made known to the Contractor prior to execution of works, and that which are indicated to be retained, as well as utility lines constructed during operations, shall be protected from damage during execution of the work, and if damaged, shall be repaired at no extra cost. Site survey shall be conducted by the Contractor to acquaint with existing utility lines. Proper measures shall be taken and immediate information forwarded to the Architect / Engineer when utility lines are encountered within the area of operation.
6. The Contractor shall protect existing buildings and other structures, which are indicated to remain, from damage and repair damage caused by this work at no additional cost to the DepEd.
7. Where utility lines are encountered within the area of operations, the Contractor shall notify the DepEd in ample time for the necessary measures to be taken if there is an interruption of the service.
8. The contractor shall comply to the guidelines stated on the DepEd Order No.9 s.2020 titled Construction Safety Guidelines for the Implementation of DepEd Infrastructure Projects during the Covid-19 Public Health Crises.

VI. PROJECT MEETINGS

1. Pre-construction Conference / Coordination Meeting - Immediately after the Notice to Proceed, a Preconstruction Conference / Meeting / Kick off meeting shall be held between DepEd and Contractor.
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XIV. EVALUATION AND AWARD

Evaluation and award shall be on a per Lot basis.

XV. GUARANTEE

The Contractor shall guarantee all works under this Contract to be free from any technical defects and shall replace and repair to the satisfaction of the DepEd which may fall within a period of **One (1) year** after the final acceptance of the project provided such failure is due to defects in the material or workmanship.

PROJECT: REPAIR, REHABILITATION & RESTORATION OF BACHELORS HALL

I. SCHEDULE OF REQUIREMENTS: Contract Duration / Delivery Schedule

The Contract duration of the projects shall be within **One Hundred Sixty Five (165) calendar days** from receipt of Notice to Proceed.

II. GENERAL CONDITIONS

1. The work under this project shall consist of the materials, equipment, tools, labor and supervision and all other items necessary to properly complete the work in a safe, effective, and efficient manner to complete the construction of the project.
2. Materials deemed necessary to complete the works but not specifically mentioned in the Specifications, Working Drawing, or in the Contract Document shall be supplied and installed by the Contractor. Such materials shall be of the highest quality and kind, and installed or applied in a right manner at prescribed or appropriate locations following the Standard Practice of Architectural, Civil and Electrical Engineering, National Building Code of the Philippines and Construction Procedures;
3. The Contractor shall be held liable for damage/s during the construction period and shall be repaired and/or replaced at no additional cost to the DepEd.
4. It shall be the responsibility of the Prospective Bidders to inspect the site before submission of bids. No plea of ignorance by the Bidder of conditions that exist or that may hereafter exist as a result of failure to fulfill the requirements of this Contract will be accepted.
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XIV. EVALUATION AND AWARD

Evaluation and award shall be on a per Lot basis.

XV. GUARANTEE

The Contractor shall guarantee all works under this Contract to be free from any technical defects and shall replace and repair to the satisfaction of the DepEd which may fall within a period of **One (1) year** after the final acceptance of the project provided such failure is due to defects in the material or workmanship.

Section VII. Drawings

[Please refer to Annex C]

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

- a. to provide sufficient information on the quantities of Works to be performed to enable Bids to be prepared efficiently and accurately; and
- b. when a Contract has been entered into, to provide a priced Bill of Quantities for use in the periodic valuation of Works executed.

In order to attain these objectives, Works should be itemized in the Bill of Quantities in sufficient detail to distinguish between the different classes of Works, or between Works of the same nature carried out in different locations or in other circumstances which may give rise to different considerations of cost. Consistent with these requirements, the layout and content of the Bill of Quantities should be as simple and brief as possible.

Daywork Schedule

A Daywork Schedule should be included only if the probability of unforeseen work, outside the items included in the Bill of Quantities, is high. To facilitate checking by the Entity of the realism of rates quoted by the Bidders, the Daywork Schedule should normally comprise the following:

- a. A list of the various classes of labor, materials, and Constructional Plant for which basic daywork rates or prices are to be inserted by the Bidder, together with a statement of the conditions under which the Contractor will be paid for work executed on a daywork basis.
- b. Nominal quantities for each item of Daywork, to be priced by each Bidder at Daywork rates as Bid. The rate to be entered by the Bidder against each basic Daywork item should include the Contractor's profit, overheads, supervision, and other charges.

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future

need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

The estimated cost of specialized work to be carried out, or of special goods to be supplied, by other contractors should be indicated in the relevant part of the Bill of Quantities as a particular provisional sum with an appropriate brief description. A separate procurement procedure is normally carried out by the Procuring Entity to select such specialized contractors. To provide an element of competition among the Bidders in respect of any facilities, amenities, attendance, etc., to be provided by the successful Bidder as prime Contractor for the use and convenience of the specialist contractors, each related provisional sum should be followed by an item in the Bill of Quantities inviting the Bidder to quote a sum for such amenities, facilities, attendance, etc.

Signature Box

A signature box shall be added at the bottom of each page of the Bill of Quantities where the authorized representative of the Bidder shall affix his signature. Failure of the authorized representative to sign each and every page of the Bill of Quantities shall be a cause for rejection of his bid.

These Notes for Preparing a Bill of Quantities are intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They should not be included in the final documents.

PROGRAM OF WORKS

BILL OF QUANTITIES

Office: BAGUIO TEACHER'S CAMP		Date:				
		Budget Allocation:				
Region: CA R		Engineering and Administrative Overhead:				
		Approved Budget for Contract:				
Project Title: REPAIR, REHABILITATION & RESTORATION OF ESCODA HALL		Completion Period: 195 calendar days				
		Minimum Required Manpower:				
		Project Engineer	Electrician	Carpenter	Mason	
		General Foreman	Plumber	Painter	Tile Setter	
		Laborer				
Plan: DepED Plans		Minimum Required Equipment:				
Location: Baguio Teacher's Camp, Baguio City		Hand Tools	Bar Cutter		Power Tools	
Item No.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
I	GENERAL REQUIREMENTS		lot	1.00		
1.0	Earthworks		sq.m	146.10		
2.0	Concreting Works		cu.m	15.44		
3.0	Rebar Works		kg	2,635.47		
4.0	Formworks		sq.m	50.16		
5.0	Masonry Works		sq.m	86.70		
6.0	Doors and Windows		lot	1.00		
7.0	Steelworks		lot	1.00		
8.0	Roofing Works		m	649.09		
9.0	Ceiling and Carpentry Works		sq.m	500.04		
10.0	Electrical Works		lot	1.00		
11.0	Plumbing Works		lot	1.00		
12.0	Sanitary Works		lot	1.00		
13.0	Painting Works		sq.m	645.56		
14.0	Tile Works		sq.m	161.79		
16.0	Electronic & Communication Works		lot	1.00		
	Sub-Total					
	II. INDIRECT COST 17% of (I less Item "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)					

Prepared:

Bidder/Contractor

PROGRAM OF WORKS

BILL OF QUANTITIES

Office: BAGUIO TEACHER'S CAMP			Date: October 2019			
			Budget Allocation:			
Region: CA R			Engineering and Administrative Overhead:			
			Approved Budget for Contract:			
Project Title: REPAIR, REHABILITATION & RESTORATION RECTO HALL			Completion Period:		195 calendar days	
			Minimum Required Manpower:		Project Engineer General Foreman Laborer	
Plan: DepED Plans			Minimum Required Equipment:			
Location: Baguio Teacher's Camp, Baguio City			Hand Tools		Bar Cutter Power Tools	
Item No.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
i	General Requirements		lot	1.00		
1.0	Earthworks		sq.m	334.80		
2.0	Concreting Works		cu.m	42.73		
3.0	Rebar Works		kg	2,514.86		
5.0	Masonry Works		sq.m	14.57		
6.0	Doors and Windows		lot	1.00		
7.0	Steelworks		lot	1.00		
8.0	Roofing Works		m	1,154.27		
9.0	Ceiling and Carpentry Works		sq.m	1,313.74		
10.0	Electrical Works		lot	1.00		
11.0	Plumbing Works		lot	1.00		
12.0	Sanitary Works		lot	1.00		
13.0	Painting Works		sq.m	2,724.17		
14.0	Tile Works		sq.m	467.06		
15.0	Waterproofing		sq.m	150.80		
16.0	Electronic & Communication Works		lot	1.00		
	Sub-Total					
	II. INDIRECT COST 17% of (I less Item "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)					

Prepared:

Bidder/Contractor

PROGRAM OF WORKS

BILL OF QUANTITIES

Office: BAGUIO TEACHER'S CAMP			Date:			
			Budget Allocation:			
Region: CA R			Engineering and Administrative Overhead:			
			Approved Budget for Contract:			
Project Title: REPAIR, REHABILITATION & RESTORATION OF BACHELORS HALL			Completion Period: 165 calendar days			
			Minimum Required Manpower:			
			Project Engineer General Foreman Laborer	Electrician Plumber	Carpenter Painter	Mason Tile Setter
Plan: DepED Plans			Minimum Required Equipment:			
Location: Baguio Teacher's Camp, Baguio City			Hand Tools	Bar Cutter	Power Tools	
Item No.	Item Description	% of Total	Unit	Quantity	Total Cost	Remarks
	I. DIRECT COST					
i	General Requirements		lot	1.00		
1.0	Earthworks		sq.m	171.50		
2.0	Concreting Works		cu.m	16.59		
3.0	Rebar Works		kg	2,128.15		
4.0	Formworks		sq.m	28.50		
5.0	Masonry Works		sq.m	319.19		
6.0	Doors and Windows		lot	1.00		
7.0	Steelworks		lot	1.00		
8.0	Roofing Works		m	456.10		
9.0	Carpentry Works		lot	1.00		
10.0	Electrical Works		lot	1.00		
11.0	Plumbing Works		lot	1.00		
12.0	Sanitary Works		lot	1.00		
13.0	Painting Works		sq.m	0.00		
14.0	Tile Works		sq.m	108.27		
15.0	Water Proofing		sq.m	34.83		
16.0	Electronic & Communication Works		lot	1.00		
	Sub-Total					
	II. INDIRECT COST 17% of (I less Item "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)					

Prepared:

Bidder/Contractor

PROGRAM OF WORKS DETAILED COST ESTIMATES

PROJECT : REPAIR, REHABILITATION & RESTORATION OF ESCODA HALL
OFFICE : BAGUIO TEACHER'S CAMP
LOCATION : BAGUIO CITY
OWNER : DEPARTMENT OF EDUCATION

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
I	INDIRECT COST							
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Project Billboard	lot	1.00					
	Safety and Health/Equipment	lot	1.00		0.00		0.00	
	Fire Safety Inspection Certificate (FSIC)	lot	1.00	0.00		0.00		
	Hauling cost	lot	1.00	0.00		0.00		
	Sub-total							
1.00	Earthworks							
1.0100	Clearing and Grubbing	sq. m	146.10	0.00		0.00		
1.0200	Structural Excavation	cu. m	44.60	0.00		0.00		
1.0300	Backfilling and Compaction	cu. m	26.84	0.00		0.00		
1.0400	Gravel Bedding G-1	cu. m	7.33					
1.0500	Select Fill	cu. m	8.81					
1.0600	Soil Poisoning	sq. m.	246.10					
	Sub-total							
2.00	Concreting Works							
	Main Entrance Steps & Ramp	cu. m	4.59					
2.0200	Portland Cement	bag	42.00					
2.0300	Crushed Gravel 3/4"	cu. m	4.75					
2.0500	Washed Sand	cu. m	2.50					
	Heat Pump Slab on Fill	cu. m	0.45					
2.0200	Portland Cement	bag	5.00					
2.0300	Crushed Gravel 3/4"	cu. m	0.50					
2.0500	Washed Sand	cu. m	0.25					
	Perimeter Walkway	cu. m	9.54					
2.0200	Portland Cement	bag	86.00					
2.0300	Crushed Gravel 3/4"	cu. m	9.75					
2.0500	Washed Sand	cu. m	5.00					
	Pedestal Columns	cu. m	0.51					

2.02 00	Portland Cement	bag	5.00					
2.03 00	Crushed Gravel 3/4"	cu. m	0.75					
2.05 00	Washed Sand	cu. m	0.50					
	Retaining/RipRap Wall (at the Rear)							
	Column Footing	cu. m	4.55					
2.02 00	Portland Cement	bag	41.00					
2.03 00	Crushed Gravel 3/4"	cu. m	4.75					
2.05 00	Washed Sand	cu. m	2.50					
	Beams	cu. m	4.72					
2.02 00	Portland Cement	bag	43.00					
2.03 00	Crushed Gravel 3/4"	cu. m	4.75					
2.05 00	Washed Sand	cu. m	2.50					
	Columns	cu. m	2.66					
2.02 00	Portland Cement	bag	24.00					
2.03 00	Crushed Gravel 3/4"	cu. m	2.75					
2.05 00	Washed Sand	cu. m	1.50					
	Common Toilet							
	Column Footing	cu. m	0.80					
2.02 00	Portland Cement	bag	8.00					
2.03 00	Crushed Gravel 3/4"	cu. m	1.00					
2.05 00	Washed Sand	cu. m	0.50					
	Tie beams	cu. m	0.26					
2.02 00	Portland Cement	bag	3.00					
2.03 00	Crushed Gravel 3/4"	cu. m	0.50					
2.05 00	Washed Sand	cu. m	0.25					
	Columns	cu. m	0.54					
2.02 00	Portland Cement	bag	5.00					
2.03 00	Crushed Gravel 3/4"	cu. m	0.75					
2.05 00	Washed Sand	cu. m	0.50					
	Roof Beams	cu. m	0.26					
2.02 00	Portland Cement	bag	3.00					
2.03 00	Crushed Gravel 3/4"	cu. m	0.50					
2.05 00	Washed Sand	cu. m	0.25					
	Slab on Grade	cu. m	4.80					
2.02 00	Portland Cement	bag	44.00					
2.03 00	Crushed Gravel 3/4"	cu. m	5.00					
2.05 00	Washed Sand	cu. m	2.50					

	Sub-total						
3.00	Rebar Works						
	Main Entrance Steps & Ramp		217.74				
	Heat Pump Slab on Fill		163.30				
	Perimeter Walkway		184.65				
	Pedestal Columns		115.97				
	Retaining/RipRap Wall (at the Rear)						
	Column Footing		180.64				
	Beams		705.76				
	Columns		496.08				
	Common Toilet						
	Column Footing		63.20				
	Tie Beams		104.80				
	Columns		165.84				
	Roof Beams		104.80				
	Slab on Grade		132.68				
3.05 00	Deformed Round Bars, Grade 40	kg	2,635.4 7				
3.12 00	G.I. Tie Wire	kg	53.00				
	Sub-total						
4.00	Formworks						
	Retaining/RipRap Wall (at the Rear)						
	Beams	sq. m	16.20				
4.01 00	Coco Lumber	bd.f t	276.00				
4.03 00	Plywood Ordinary, 1/2" x 4' x 8'	pc	5.00				
4.04 00	CWN, Assorted	kg	4.00				
	Columns	sq. m	12.00				
4.01 00	Coco Lumber	bd.f t	204.00				
4.03 00	Plywood Ordinary, 1/2" x 4' x 8'	pc	4.00				
4.04 00	CWN, Assorted	kg	3.00				
	Common Toilet						
	Tie beams	sq. m	4.68				
4.01 00	Coco Lumber	bd.f t	80.00				
4.03 00	Plywood Ordinary, 1/2" x 4' x 8'	pc	2.00				
4.04 00	CWN, Assorted	kg	2.00				
	Columns	sq. m	12.60				
4.01 00	Coco Lumber	bd.f t	215.00				
4.03 00	Plywood Ordinary, 1/2" x 4' x 8'	pc	4.00				
4.04 00	CWN, Assorted	kg	4.00				
	Roof Beams	sq. m	4.68				
4.01 00	Coco Lumber	bd.f t	80.00				
4.03 00	Plywood Ordinary, 1/2" x 4' x 8'	pc	2.00				
4.04 00	CWN, Assorted	kg	2.00				
	Sub-total						

5.00	Masonry Works							
5.01 00	Chipping Works	sq m	51.70	0.00		0.00		
	For Main Entry Steps & Open Canal	sq. m	14.87					
5.03 00	CHB 4" thk	pc	186.00					
2.02 00	Portland Cement	bag	8.00					
2.05 00	Washed Sand	cu. m	1.00					
5.04 00	10mm x 6m RSB	kg	20.00					
3.12 00	G.I. Tie Wire	kg	1.00					
	Plastering	sq. m	35.74					
2.02 00	Portland Cement	bag	12.00					
2.05 00	Washed Sand	cu. m	2.00					
	Floor Topping	sq. m	5.85					
2.02 00	Portland Cement	bag	4.00					
2.05 00	Washed Sand	cu. m	1.00					
	Fireplace Stone Finish							
	Natural Stone (Boulders)	cu. m	3.00					
2.02 00	Portland Cement	bag	5.00					
2.05 00	Washed Sand	cu. m	1.50					
	Retaining/RipRap Wall (at the Rear)							
	Natural Stone (Boulders)	cu. m	23.00					
2.02 00	Portland Cement	bag	42.00					
2.05 00	Washed Sand	cu. m	8.00					
	Common Toilet							
	Masonry wall	sq. m	28.90					
5.03 00	CHB 4" thk	pc	362.00					
2.02 00	Portland Cement	bag	15.00					
2.05 00	Washed Sand	cu. m	2.00					
5.04 00	10mm x 6m RSB	kg	39.00					
3.12 00	G.I. Tie Wire	kg	1.00					
	Plastering	sq. m	57.80					
2.02 00	Portland Cement	bag	20.00					
2.05 00	Washed Sand	cu. m	2.00					
	Floor Topping	sq. m	40.00					
2.02 00	Portland Cement	bag	27.00					
2.05 00	Washed Sand	cu. m	3.00					
	Sub-total							
6.00	Doors and Windows							
6.01 00	Removal of Door with Jamb	set	14.00	0.00		0.00		

6.02 00	Removal of Window with Jamb	sq. m	15.76	0.00		0.00		
	New Doors							
6.04 20	D-1, Flush Door 0.90m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	11.00					
	D-3, Flush Door 0.70m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	3.00					
	Main Panel Door 1.80m x 2.10m on 150mm Wooden Jamb complete with Accessories (Entrance, Handleset with Deadbolt & Dummy Handle type Lockset)	set	1.00					
	Rehabilitated Doors							
	Flush Doors	set	2.00					
	New Windows							
	W - 1, (0.6m x 0.6m) uPVC (White) Awning Window with Clear Glass on uPVC Jamb complete with Accessories	set	5.00					
	W - 2, (2.3m x 1.65m) uPvc (White) Casement Window (French Type) with Clear Glass on uPvc Jamb complete with Accessories	set	2.00					
	Rehabilitated Windows							
	Bedrooms	set	35.00					
	Jamb Replacement	set	12.00					
	Clear Glass Replacement	sqft	194.64					
	Window Screens							
	Insect Fiber Screen on Aluminum Powdercoated complete with Accessories	sqft	848.78					
	Hardware & Accessories							
	Entrance, Handleset with Deadbolt & Dummy Handle	set	1.00					
	Foot Bolt	set	1.00					
	Chain Bolt	set	1.00					
	Barrel Bolt, 4"	set	80.00					
	Hinges, Standard 3" x 3"	pair	100.00					
	Sub-total							
7.00	Steel Works							
	Heat Pump Area							
7.00 90	LC 75 x 38 x 15 x 2.0mm	kg	136.50					
7.26 10	G.I. Pipe 1-½"Ø Sch. 40	pc	4.00					
7.26 00	G.I. Pipe 2"Ø Sch.40	pc	2.00					
7.11 00	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25					
7.16 00	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 150mm	pc	16.00					
7.36 00	Welding Rod	kg	15.00					
	Main Stair & Ramp Railing							
7.26 10	G.I. Pipe 1-½"Ø Sch. 40	pc	4.00					
	2" x 3" x 1.2mm Tubular Bar	kg	182.84					
	1" x 1" x 1.2mm Tubular Bar	kg	86.80					
7.10 60	Flat Bar 1½" x ¼"	kg	68.40					
7.11 00	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25					

7.17 00	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 125mm	pc	16.00					
7.36 00	Welding Rod	kg	20.00					
	Window Grilles							
7.19 01	Plain Round Bar 12mmØ x 6m	pc	118.00					
7.10 50	Flat Bar 1" x ¼"	kg	1,237.2 0					
	1"Wood Screw, Flat Head	pc	900.00					
7.36 00	Welding Rod	kg	50.00					
	Sub-total							
8.00	Roofing Works							
8.01 00	Removal of Roofing Sheets	m	582.09	0.00		0.00		
8.02 00	Removal of Ridge Roll	pc	20.00	0.00		0.00		
8.03 00	Removal of Flashing	pc	17.00	0.00		0.00		
8.04 00	Removal of Gutter	pc	24.00	0.00		0.00		
8.05 00	Removal of Fascia Board	pc	24.00	0.00		0.00		
	Main Building Roofing		549.09					
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	549.09					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	18.00					
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	22.00					
8.35	Teckscrew 2-1/2"	pc	5,490.9 0					
8.36	Roof Sealant	L	4.00					
8.37	Blind Rivets	pc	400.00					
	Canopy Roofing		33.00					
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	33.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	11.00					
8.35	Teckscrew 2-1/2"	pc	330.00					
8.36	Roof Sealant	L	1.00					
8.37	Blind Rivets	pc	110.00					
	Common Toilet		46.00					
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	46.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	12.00					
8.35	Teckscrew 2-1/2"	pc	460.00					
8.36	Roof Sealant	L	1.00					
8.37	Blind Rivets	pc	120.00					
	Roofing for Heat Pump Area	m	21.00					
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	21.00					
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	2.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	3.00					
8.35	Teckscrew 2-1/2"	pc	210.00					

8.36	Roof Sealant	L	2.00					
8.37	Blind Rivets	pc	30.00					
	Sub-total							
9.00	Ceiling and Carpentry Works							
	<i>Dismantling Works</i>							
9.01 00	Removal of Ceiling	sq. m	470.60	0.00		0.00		
9.00 90	Removal of Partition	sq. m	214.82	0.00		0.00		
	Removal of Damaged Wooden Columns	bdft .	420.00	0.00		0.00		
	Fascia Replacement							
9.14 30	Fascia Board, Fiber Cement 12" x 8'	pc	80.00					
	1"x12" Wood Panels	bd.f t.	420.00					
4.04 00	CWN, Assorted	kg	9.00					
	Interior ceiling							
	Hallways, Common Toilet/Bath and Bedrooms (GF & 2F)	sq. m	470.60					
9.10 00	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	161.00					
9.08 00	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	90.00					
9.11 00	Wall Angle	pc	104.00					
9.12 00	Preformed Wire Clip	pc	386.00					
9.13 00	Rod Suspension Hanger with Adjustment Spring	pc	386.00					
9.13 10	Steel Angle	pc	386.00					
9.22 00	Concrete Nails	kg	5.00					
8.11 00	Blind Rivets	pc	1,582.0 0					
9.09 00	Fiber Cement Ceiling Board (4.5 mm thk)	pc	194.00					
9.19 00	Wood Preservative, Brown	L	20.00					
	Main Entry Canopy & Roof Eaves	sq. m	29.44					
9.10 00	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	11.00					
9.08 00	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	6.00					
9.11 00	Wall Angle	pc	7.00					
9.12 00	Preformed Wire Clip	pc	25.00					
9.13 00	Rod Suspension Hanger with Adjustment Spring	pc	25.00					
9.13 10	Steel Angle	pc	25.00					
9.22 00	Concrete Nails	kg	1.00					
8.11 00	Blind Rivets	pc	99.00					
9.09 00	Fiber Cement Ceiling Board (4.5 mm thk)	pc	25.00					
	Wood Replacement							
	Replacement for Wooden Columns							
	6"x6" Hardwood Columns	bd.f t.	420.00					

	Machine bolts with nuts and washers 20mmØ x 350mm	pc	63.00					
	Metal Strap 75mm x 800mm x 6mm thk	set	42.00					
	Replacement for Wooden Trusses							
	2"x 6" Hardwood Purlins	bd.f t.	540.00					
	2"x 3" Hardwood Purlins	bd.f t.	348.00					
	2"x 8" Hardwood Truss Chord/Rafter Member	bd.f t.	440.00					
4.04 00	CWN, Assorted	kg	18.00					
9.19 00	Wood Preservative, Brown	L	25.00					
	Replacement for T&G Flooring							
	T&G 1" x 4"	bdft .	1,100.0 0					
	T&G 1" x 6"	bdft .	540.00					
4.04 00	CWN, Assorted	kg	10.00					
9.21 00	Finishing Nails	kg	15.00					
	Replacement/Rehabilitation for Floor Studs							
	2"x 6" Hardwood Purlins	bd.f t.	580.00					
4.04 00	CWN, Assorted	kg	6.00					
9.19 00	Wood Preservative, Brown	L	12.00					
	Replacement for Mouldings & Cornices							
	1"x2" S4S Lumber	bd.f t.	360.00					
	1"x4" S4S Lumber	bd.f t.	440.00					
4.04 00	CWN, Assorted	kg	8.00					
9.22	Finishing Nails	kg	8.00					
	Replacement for Wall Panels (interior/Exterior)							
	Plain G.I. Sheet Ga.24, 4' x 8'	pc	140.00					
	Plywood, Narra 1/4" x 4' x 8'	pc.	22.00					
9.02 00	Plywood, Ordinary 1/4" x 4' x 8'	pc.	160.00					
	1"x4" S4S Lumber	bd.f t.	980.00					
9.17 00	Rough Lumber, Sun Dried, Tanguile	bd.f t.	2,120.0 0					
4.04 00	CWN, Assorted	kg	35.00					
9.21 00	Finishing Nails	kg	25.00					
9.19 00	Wood Preservative, Brown	L	25.00					
	Others							
	Native Cloth Accent							
	Traditional Native Cloth, 4" wide	yd	158.00					
9.02 00	Plywood, Ordinary 1/4" x 4' x 8'	pc	6.00					
9.17 00	Rough Lumber, Sun Dried, Tanguile	bd.f t.	210.00					
9.21 00	Finishing Nails	kg	5.00					
	Bedroom Cabinets & Table							
9.03 00	Plywood, Ordinary 1/2" x 4' x 8'	pc	4.00					

9.04 00	Plywood, Ordinary 3/4" x 4' x 8'	pc	40.00				
9.17 00	Rough Lumber, Sun Dried, Tanguile	bd.f t.	48.00				
4.04 00	CWN, Assorted	kg	6.00				
9.21 00	Finishing Nails	kg	6.00				
	16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type	set	8.00				
	Felt Roller (4 roller per set)	set	8.00				
	Metal Felt Guide (6m length)	len gth	8.00				
	Chrome Flush type Door Handle	pc	16.00				
	3/4"Ø Chrome Flange	pc	16.00				
	3/4"Ø Chrome Bar (6m)	len gth	2.00				
	Wooden Trim for Toilets						
	Rough Lumber, Sun Dried	bd.f t.	32.00				
	Sanding Sealer	gal	3.00				
4.04 00	CWN, Assorted	kg	3.00				
	Reception Counter						
9.04 00	Plywood, Ordinary 3/4" x 4' x 8'	pc	7.00				
9.02 00	Plywood, Ordinary 1/4" x 4' x 8'	pc	3.00				
9.17 00	Rough Lumber, Sun Dried, Tanguile	bd.f t.	100.00				
	Concealed Hinges	pair	8.00				
	Cabinet Lock	set	2.00				
4.04 00	CWN, Assorted	kg	3.00				
9.21 00	Finishing Nails	kg	3.00				
	Toilet Partition						
	Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets)	sq m	23.41				
	Anodized Aluminum Stucco Sheet on Anodized Aluminum Frame including Accessories (Brackets)	sq m	34.45				
	Sub-total						
10.0 0	Electrical Works						
	Roughing-ins						
10.0 200	Electrical Conduit uPVC, 20mmØ	pc	220.00				
10.0 210	Electrical Conduit uPVC, 25mmØ	pc	48.00				
	RSC 50mmØ	pc	4.00				
	Entance Cap 2"	pc	1.00				
	Junction Box, 4" x 4" PVC	pc	67.00				
	Utility Box, 2" x 4" PVC	pc	55.00				
	Grounding Rod	pc	1.00				
	Wires & Fixtures						
	3.5 mm ² THHN Wire, Stranded	pc	2,194.0 0				
	5.5 mm ² THHN Wire, Stranded	pc	175.00				
	22.0 mm ² THHN Wire, Stranded	m	90.00				
	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	50.00				
	Single Convenience Outlet, Grounding Type, 15 AMP, 230V (EF)	set	6.00				

	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	8.00				
	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	6.00				
	3 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	3.00				
	Three Way Wall Switch, 1-Gang (10 AMP, 230 V)	set	2.00				
	12" Duct Fan & Switch	set	3.00				
	6" mm Ø 18 Watts, Circular LED Downlight (Daylight)	set	32.00				
	6" mm Ø 15 Watts, Circular LED Downlight (Cool White)	set	10.00				
	4" mm Ø 12 Watts, Circular LED Downlight (Daylight)	set	9.00				
	4" Surface Downlight, Tubular, with 12w LED Bulb	set	4.00				
	8" Surface Downlight, Tubular, with 12w LED Bulb	set	5.00				
	Industrial Type Housing, with 1 x 18 Watts T8 LED	set	1.00				
	Post Lamp with 12w LED Bulb	set	2.00				
	Chandelier, 5 Bracket with LED Bulb	set	1.00				
	Chandelier, 3 Bracket with LED Bulb	set	1.00				
	Panel Box, Bolt on, Center main, 16 branches	set	1.00				
10.4 100	Circuit Breaker, Bolt-on, 20A 2P	pc	9.00				
10.4 200	Circuit Breaker, Bolt-on, 30A 2P	pc	5.00				
10.4 200	Circuit Breaker, Bolt-on, 30A 2P	pc	1.00				
10.4 500	Circuit Breaker, Bolt-on, 70A 2P	set	1.00				
	Circuit Breaker, Bolt-on, 100A 2P	set	1.00				
	100AT, 2P, MTS, Breaker Type	set	1.00				
	Electrical Tape	roll	42.00				
	Water Heater						
	Heat Pump Water Heater, 2.7 Kw 220-240v, with Control Board	unit	1.00				
	Calorifier Tank – 130 Gal Storage	unit	1.00				
	Re-circulating Pump	unit	1.00				
	60gals Bladder Tank	unit	1.00				
	1HP Pump Self Priming Centrifugal Pump with Gauge and Automatic Switch	unit	1.00				
	Sub-total						
11.0 0	Plumbing Works						
	Dismantling & Re-installation of Existing Fixtures						
	Dismantling of Existing Water Closets	set	10.00	0.00		0.00	
	Dismantling of Existing Lavatories	set	6.00	0.00		0.00	
	Fixtures & Accessories						
11.0 200	Water Closet 1.6gpf with Accessories (Dual Flush)	set	6.00				
	Lavatory, Wall Hung Type with Accessories	set	5.00				
	Shower Set, 3-Way Valve (H/C) with Shower Head	set	9.00				
11.4 410	S.S. Floor Drain 4" x 4"	set	15.00				
11.4 300	Tissue Holder	pc	6.00				
	Soap Holder	pc	14.00				
	Bidet Faucet, rotating head, complete with Accessories	set	5.00				

11.4 500	Mirror	sqft	54.25				
	Pipes & Fittings						
11.1 000	PP-R Pipe 3/4"Ø x 4.0m (PN20)	pc	40.00				
11.1 500	PP-R Coupling, 3/4"Ø	pc	35.00				
11.2 600	PP-R Tee, 3/4"Ø	pc	30.00				
11.2 100	PP-R Elbow 90° x 3/4"Ø	pc	30.00				
11.2 910	PP-R Tee Reducer, 3/4" x 1/2"Ø	pc	18.00				
11.1 100	PP-R Pipe 1/2"Ø x 4.0m (PN20)	pc	15.00				
11.2 200	PP-R Elbow 90° x 1/2"Ø	pc	18.00				
11.1 600	PP-R Coupling, 1/2"Ø	pc	18.00				
11.2 700	PP-R Tee, 1/2"Ø	pc	18.00				
	PP-R Female Adapter x 1/2"Ø	pc	24.00				
11.3 800	Gate Valve, 3/4"Ø	pc	7.00				
11.4 400	S.S. Grab Rail 1-1/2"Ø	lm	5.00				
11.4 200	Teflon Tape	pc	18.00				
	Three-way Angle Valve, 1/2" x 1/2" x 1/2"	pc	5.00				
	Sub-total						
12.0 0	Sanitary Works						
	Pipes & Fittings						
12.0 500	PVC Sanitary Pipe 4"Ø x 3.0m	pc	55.00				
12.1 300	PVC Sanitary Elbow 1/8 x 4"Ø	pc	40.00				
12.1 600	PVC Sanitary Wye 4" x 4"	pc	35.00				
	Brass Cleanout 4"x4"	pc	6.00				
12.0 700	PVC Sanitary Pipe 2"Ø x 3.0m	pc	12.00				
12.1 100	PVC Sanitary Elbow 90° x 2"Ø	pc	16.00				
12.1 800	PVC Sanitary Wye 2" x 2"	pc	16.00				
12.2 200	PVC Sanitary Tee 2" x 2"	pc	16.00				
	PVC P-Trap 2"	pc	6.00				
12.1 410	PVC Sanitary Elbow 1/8 x 2"Ø	pc	10.00				
12.3 000	PVC Cement	can	25.00				
	Others						
	New Septic Vault						
	Septic Vault						
	Linear Low Density Polyethylene (LLDPE) Septic Vault, 2000L	set	1.00				
	Excavation Works						
1.01 00	Clearing and Grubbing	sq. m	6.00	0.00		0.00	
1.02 00	Structural Excavation	cu. m	18.00	0.00		0.00	
2.03 00	Crushed Gravel 3/4"	cu. m	9.00				
2.05 00	Washed Sand	cu. m	5.00				
	Concreting Works						

	<i>Slab on Fill</i>	<i>cu. m</i>	<i>0.79</i>					
2.01	Portland Cement	bag	8.00					
2.03 00	Crushed Gravel 3/4"	cu. m	1.00					
2.05 00	Washed Sand	cu. m	0.50					
	Manhole Cover	cu. m	0.05					
2.01	Portland Cement	bag	1.00					
2.03 00	Crushed Gravel 3/4"	cu. m	0.25					
2.05 00	Washed Sand	cu. m	0.25					
	Rebar Works							
	<i>Manhole Cover</i>	<i>kg</i>	<i>18.51</i>					
	<i>Slab on Fill</i>	<i>kg</i>	<i>51.82</i>					
3.05 00	Deformed Round Bars, Grade 40	kg	81.38					
3.12 00	G.I. Tie Wire	kg	3.00					
	Masonry Works							
	<i>Septic Wall</i>	<i>sq. m</i>	<i>9.50</i>					
5.02 00	CHB 6" thk	bag	125.00					
2.02 00	Portland Cement	cu. m	10.00					
2.05 00	Washed Sand	cu. m	3.00					
5.04 00	10mm x 6m RSB	kg	95.88					
3.12 00	G.I. Tie Wire	kg	6.00					
	<i>Manhole Wall</i>	<i>sq. m</i>	<i>2.44</i>					
5.02 00	CHB 6" thk	bag	31.00					
2.02 00	Portland Cement	cu. m	3.00					
2.05 00	Washed Sand	cu. m	1.00					
5.04 00	10mm x 6m RSB	kg	15.98					
3.12 00	G.I. Tie Wire	kg	1.00					
	<i>Plastering</i>	<i>sq. m</i>	<i>1.44</i>					
2.02 00	Portland Cement	cu. m	1.00					
2.05 00	Washed Sand	cu. m	1.00					
	Sub-total							
13.0 0	Painting Works							
	Scraping and Re-sanding							
	Paint Remover	gal	54.00					
	Sanding paper	yrd	180.00					
	Scaffoldings							
9.17 00	Rough Lumber, Sun Dried, Tanguile	bd.f t.	1,720.00					
4.04 00	CWN, Assorted	kg	42.00					
	Concrete & Ceiling Surfaces	sq. m	245.60					
13.1 800	Neutralizer	gal	5.00					
13.0 200	Latex, Flat	gal	20.00					

13.0 300	Masonry Putty	gal	15.00				
13.0 400	Latex, Semi Gloss	gal	40.00				
13.0 500	Acri Color	gal	10.00				
	Exterior Surfaces	sq. m	399.96				
	Acrylic Solvent Based Penetrating Sealer	gal	32.00				
	Acrylic Solvent Based Cast	gal	32.00				
	Acrylic Solvent Base Putty Filler	gal	16.00				
	Acrylic Solvent Reducer	gal	48.00				
	Acrylic Solvent Based Primer	gal	48.00				
	Acrylic Solvent Based Top Coat (Light, Semi-Gloss)	gal	98.00				
	Acrylic Solvent Based Top Coat (Dark, Semi-Gloss)	gal	35.00				
	Metal Surfaces						
13.1 100	Primer, Zinc Chromate	gal	35.00				
	Body Filler	gal	8.00				
	Enamel, Quick Dry	gal	65.00				
13.0 900	Paint Thinner	gal	50.00				
	Varnishing Surfaces (including Handrails, Cornices, Mouldings & Baseboard)	sq. m	452.66				
	Sanding Sealer	gal	35.00				
	Lacquer Flo	gal	13.00				
	Lacquer Clear Top Coat	gal	45.00				
	Wood Filler	lit	20.00				
	Acrylic Top Coat (Clear)	gal	5.00				
13.1 000	Lacquer Thinner	gal	45.00				
	Sub-total						
14.0 0	Tile Works						
	Chipping Works						
	Chipping & removing of Existing Tiles	sq m	126.70	0.00		0.00	
5.01 00	Demolition of Masonry Wall	sq m	45.80	0.00		0.00	
	Main Entry						
	Flooring	sq. m	10.35				
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	30.00				
14.0 300	Tile Adhesive 25 kg/bag	bag	2.00				
14.0 500	Tile Grout 5 kg/bag	bag	1.00				
	Male Common Toilet						
	Wall	sq. m	47.85				
	Glazed Wall Tile, 30cm x 30cm	pc	548.00				
14.1 6	Tile Adhesive 25 kg/bag	bag	9.00				
14.1 5	Tile Grout 5 kg/bag	bag	4.00				
	Flooring	sq. m	27.87				
	Unglazed Floor Tile, 30cm x 30cm	pc	319.00				
14.0 300	Tile Adhesive 25 kg/bag	bag	6.00				

14.0 500	Tile Grout 5 kg/bag	bag	3.00					
	Female Common Toilet							
	Wall	sq. m	47.85					
	Glazed Wall Tile, 30cm x 30cm	pc	548.00					
14.1 6	Tile Adhesive 25 kg/bag	bag	9.00					
14.1 5	Tile Grout 5 kg/bag	bag	4.00					
	Flooring	sq. m	27.87					
	Unglazed Floor Tile, 30cm x 30cm	pc	319.00					
14.0 300	Tile Adhesive 25 kg/bag	bag	6.00					
14.0 500	Tile Grout 5 kg/bag	bag	3.00					
	Others							
	Resanding & Resealing of T&G Floor @ GF	sqft	2,370.79					
	Resanding & Resealing of T&G Floor @ 2F	sqft	1,681.72					
	Resanding & Resealing of Wooden Main Stairs (2)	sqft	234.97					
	Sub-total							
16.0 0	Electronic & Communication Works							
	Fire Alarm System							
10.5 100	Fire Alarm Bell, Vibrating Type, 8"	set	2.00					
10.5 200	Fire Alarm Station, Manual Single Action	set	2.00					
	Smoke Detector	set	12.00					
10.5 300	Fire Alarm Control Panel, One Zone	set	1.00					
	2 Beam Emergency Light	set	4.00					
	CCTV System							
	Cable Wires, Category 6	mtr	350.00					
	BNC Connector	pc	8.00					
	Ground Loop Isolator	set	8.00					
	Audio System (Pipe-In)							
	HDMI Cable	mtr	75.00					
	HDMI Splitter with Video Amplifier/Extender (4 input)	unit	4.00					
	Audio Cable	roll	0.75					
	Sub-total							
I	DIRECT COST							
II	INDIRECT COST 17% of (I less Item "i")							
III	TAX 5% of (I + II)							
IV	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared:

Bidder Contractor

PROGRAM OF WORKS DETAILED COST ESTIMATES

PROJECT : REPAIR, REHABILITATION & RESTORATION OF RECTO HALL
OFFICE : BAGUIO TEACHER'S CAMP
LOCATION : BAGUIO CITY
OWNER : DEPARTMENT OF EDUCATION

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
I	INDIRECT COST							
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Project Billboard	lot	1.00					
	Safety and Health/Equipment	lot	1.00		0.00		0.00	
	Fire Safety Inspection Certificate (FSIC)	lot	1.00	0.00		0.00		
	Hauling cost	lot	1.00	0.00		0.00		
	Sub-total							
1.00	Earthworks							
1.0100	Clearing and Grubbing	sq. m	234.80	0.00		0.00		
1.0200	Structural Excavation	cu. m	65.74	0.00		0.00		
1.0300	Backfilling and Compaction	cu. m	8.65	0.00		0.00		
1.0400	Gravel Bedding G-1	cu. m	4.10					
1.0500	Select Fill	cu. m	7.04					
1.0600	Soil Poisoning	sqm	334.80					
	Sub-total							
2.00	Concreting Works							
	Main Entrance Steps	cu. m	4.69					
2.0200	Portland Cement	bag	43.00					
2.0300	Crushed Gravel 3/4"	cu. m	4.75					
2.0500	Washed Sand	cu. m	2.50					
	Heat Pump Slab on Fill	cu. m	0.60					
2.0200	Portland Cement	bag	6.00					
2.0300	Crushed Gravel 3/4"	cu. m	0.75					
2.0500	Washed Sand	cu. m	0.50					
	Open Canal	cu. m	34.92					
2.0200	Portland Cement	bag	315.00					
2.0300	Crushed Gravel 3/4"	cu. m	35.00					
2.0500	Washed Sand	cu. m	17.50					
	Pedestal Columns	cu. m	3.12					
2.0200	Portland Cement	bag	29.00					

2.030 0	Crushed Gravel 3/4"	cu. m	3.25				
2.050 0	Washed Sand	cu. m	1.75				
	Sub-total						
3.00	Rebar Works						
	<i>Main Entrance Steps & Ramp</i>		229.74				
	<i>Heat Pump Slab on Fill</i>		168.30				
	<i>Open Canal</i>		1,313.30				
	<i>Pedestal Columns</i>		803.52				
3.050 0	Deformed Round Bars, Grade 40	kg	2,514.86				
3.120 0	G.I. Tie Wire	kg	51.00				
	Sub-total						
5.00	Masonry Works						
5.010 0	Chipping Works	sqm	13.33	0.00		0.00	
	For Main Entry Steps & Open Canal	sq. m	14.57				
5.030 0	CHB 4" thk	pc	183.00				
2.020 0	Portland Cement	bag	8.00				
2.050 0	Washed Sand	cu. m	1.00				
5.040 0	10mm x 6m RSB	kg	20.00				
3.120 0	G.I. Tie Wire	kg	1.00				
	Plastering	sq. m	35.74				
2.020 0	Portland Cement	bag	12.00				
2.050 0	Washed Sand	cu. m	2.00				
	Floor Topping	sq. m	5.85				
2.020 0	Portland Cement	bag	4.00				
2.050 0	Washed Sand	cu. m	1.00				
	Sub-total						
6.00	Doors and Windows						
6.010 0	Removal of Door with Jamb	set	56.00	0.00		0.00	
6.020 0	Removal of Window with Jamb	sq. m	22.40	0.00		0.00	
	New Doors						
	D-2, Flush Door 0.80m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	28.00				
	D-3, Flush Door 0.70m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	27.00				
	Main Panel Door 1.80m x 2.10m on 150mm Wooden Jamb complete with Accessories (Entrance, Handleset with Deadbolt & Dummy Handle type Lockset)	set	1.00				
	Rehabilitated Doors						
	Main Double Panel Doors	set	1.00				
	Rehabilitated Windows						
	Lobby	set	6.00				
	Bedrooms	set	45.00				

	Comfort Room	set	27.00				
	Clear Glass Replacement	sqft	545.60				
	Jalousie Glass Replacement	sqft	545.60				
	Window Screens						
	Insect Fiber Screen on Aluminum Powdercoated complete with Accessories	sqft	1,429.81				
	Hardwares & Accessories						
	Entrance, Handleset with Deadbolt & Dummy Handle	set	1.00				
	Foot Bolt	set	2.00				
	Chain Bolt	set	2.00				
	Barrel Bolt, 4"	set	160.00				
	Hinges, Standard 3" x 3"	pair	160.00				
	Sub-total						
7.00	Steel Works						
	Heat Pump Area						
7.009 0	LC 75 x 38 x 15 x 2.0mm	kg	204.75				
7.261 0	G.I. Pipe 1-½"Ø Sch. 40	pc	6.00				
7.260 0	G.I. Pipe 2"Ø Sch.40	pc	3.00				
7.110 0	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25				
7.160 0	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 150mm	pc	24.00				
7.360 0	Welding Rod	kg	20.00				
	Main Stair & Ramp Railing						
7.261 0	G.I. Pipe 1-½"Ø Sch. 40	pc	4.00				
	2" x 3" x 1.2mm Tubular Bar	kg	180.96				
	1" x 1" x 1.2mm Tubular Bar	kg	85.80				
7.106 0	Flat Bar 1½" x ¼"	kg	68.40				
7.110 0	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25				
7.170 0	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 125mm	pc	16.00				
7.360 0	Welding Rod	kg	20.00				
	Window Grilles						
7.190 1	Plain Round Bar 12mmØ x 6m	pc	220.00				
7.105 0	Flat Bar 1" x ¼"	kg	2,465.60				
	1"Wood Screw, Flat Head	pc	1,750.00				
7.360 0	Welding Rod	kg	75.00				
	Sub-total						
8.00	Roofing Works						
8.010 0	Removal of Roofing Sheets	m	1,130.27	0.00		0.00	
8.020 0	Removal of Ridge Roll	pc	35.00	0.00		0.00	
8.030 0	Removal of Flashing	pc	50.00	0.00		0.00	
8.050 0	Removal of Fascia Board	pc	100.00	0.00		0.00	
	Main Building Roofing	m	956.97				
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	956.97				

	Valley Gutter, Stainless, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	8.00				
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	22.00				
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	35.00				
8.35	Teckscrew 2-1/2"	pc	9,569.70				
8.36	Roof Sealant	L	8.00				
8.37	Blind Rivets	pc	650.00				
	Canopy & Media Agua Roofing	m	173.30				
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	173.30				
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	10.00				
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	10.00				
8.35	Teckscrew 2-1/2"	pc	1,733.00				
8.36	Roof Sealant	L	4.00				
8.37	Blind Rivets	pc	100.00				
	Roofing for Heat Pump Area	m	24.00				
	Long-Span Roofing, Corrugated, Pre-Painted, 1220mm x 0.5mm thk	m	24.00				
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	2.00				
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	4.00				
8.35	Teckscrew 2-1/2"	pc	240.00				
8.36	Roof Sealant	L	2.00				
8.37	Blind Rivets	pc	40.00				
	Sub-total						
9.00	Ceiling and Carpentry Works						
	Dismantling Works						
9.010 0	Removal of Ceiling	sq. m	1,313.74	0.00		0.00	
9.009 0	Removal of Partition	sq. m	1,333.31	0.00		0.00	
	Removal of Damaged Wooden Columns	bdft.	240.00	0.00		0.00	
	Fascia Replacement						
9.143 0	Fascia Board, Fiber Cement 12" x 8'	pc	104.00				
	1"x12" Wood Panels	bd.ft.	144.00				
4.040 0	CWN, Assorted	kg	7.00				
	Interior ceiling						
	Hallways and Bedrooms (GF & 2F)	sq. m	1,042.15				
9.100 0	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	355.00				
9.080 0	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	199.00				
9.110 0	Wall Angle	pc	230.00				
9.120 0	Preformed Wire Clip	pc	855.00				
9.130 0	Rod Suspension Hanger with Adjustment Spring	pc	855.00				
9.131 0	Steel Angle	pc	855.00				

9.220 0	Concrete Nails	kg	11.00				
8.110 0	Blind Rivets	pc	3,502.00				
9.090 0	Fiber Cement Ceiling Board (4.5 mm thk)	pc	70.00				
	Main Entry Canopy & Roof Eaves	sq. m	271.59				
9.100 0	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	93.00				
9.080 0	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	52.00				
9.110 0	Wall Angle	pc	60.00				
9.120 0	Preformed Wire Clip	pc	223.00				
9.130 0	Rod Suspension Hanger with Adjustment Spring	pc	223.00				
9.131 0	Steel Angle	pc	223.00				
9.220 0	Concrete Nails	kg	3.00				
8.110 0	Blind Rivets	pc	913.00				
9.090 0	Fiber Cement Ceiling Board (4.5 mm thk)	pc	188.00				
	Wood Replacement						
	Replacement for Wooden Columns						
	6"x6" Hardwood Columns	bd.ft	240.00				
	Machine bolts with nuts and washers 20mmØ x 350mm	pc	50.00				
	Metal Strap 75mm x 800mm x 6mm thk	set	30.00				
	Replacement for Wooden Trusses						
	2"x 6" Hardwood Purlins	bd.ft	320.00				
	2"x 3" Hardwood Purlins	bd.ft	240.00				
	2"x 8" Hardwood Truss Chord Member	bd.ft	160.00				
4.040 0	CWN, Assorted	kg	15.00				
9.190 0	Wood Preservative, Brown	L	7.00				
	Replacement for T&G Flooring						
	T&G 1" x 4"	bd.ft.	720.00				
4.040 0	CWN, Assorted	kg	6.00				
9.210 0	Finishing Nails	kg	6.00				
	Replacement for Mouldings & Cornices						
	1"x2" S4S Lumber	bd.ft	120.00				
	1"x4" S4S Lumber	bd.ft	320.00				
4.040 0	CWN, Assorted	kg	4.00				
9.22	Finishing Nails	kg	4.00				
	Replacement for Wall Panels						
	1"x8" Wood Panels	bd.ft	640.00				
9.020 0	Plywood, Ordinary 1/4" x 4' x 8'	pc.	110.00				
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	540.00				

4.040 0	CWN, Assorted	kg	12.00					
9.210 0	Finishing Nails	kg	10.00					
	Others							
	Native Cloth Accent							
	Traditional Native Cloth, 4" wide	yd	225.00					
9.020 0	Plywood, Ordinary 1/4" x 4' x 8'	pc	12.00					
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	372.00					
9.210 0	Finishing Nails	kg	7.00					
	Bedroom Cabinets & Table							
9.030 0	Plywood, Ordinary 1/2" x 4' x 8'	pc	15.00					
9.040 0	Plywood, Ordinary 3/4" x 4' x 8'	pc	108.00					
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	140.00					
4.040 0	CWN, Assorted	kg	12.00					
9.210 0	Finishing Nails	kg	15.00					
	16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type	set	27.00					
	Felt Roller (4 roller per set)	set	27.00					
	Metal Felt Guide (6m length)	length	27.00					
	Chrome Flush type Door Handle	pc	54.00					
	3/4"Ø Chrome Flange	pc	54.00					
	3/4"Ø Chrome Bar (6m)	length	8.00					
	Wooden Trim for Toilets							
	Rough Lumber, Sun Dried	bd.ft	162.00					
	Sanding Sealer	gal	10.00					
4.040 0	CWN, Assorted	kg	12.00					
	Reception Counter							
9.040 0	Plywood, Ordinary 3/4" x 4' x 8'	pc	9.00					
9.020 0	Plywood, Ordinary 1/4" x 4' x 8'	pc	3.00					
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	100.00					
	Concealed Hinges	pair	8.00					
	Cabinet Lock	set	2.00					
4.040 0	CWN, Assorted	kg	5.00					
9.210 0	Finishing Nails	kg	4.00					
	Sub-total							
10.0 0	Electrical Works							
	Roughing-ins							
10.02 00	Electrical Conduit uPVC, 20mmØ	pc	220.00					
10.02 10	Electrical Conduit uPVC, 25mmØ	pc	5.00					
10.07 00	RSC 50mmØ	pc	7.00					
10.11 00	Entrance Cap 50mm dia.	pc	1.00					
	Junction Box, 4" x 4" PVC	pc	60.00					
	Utility Box, 2" x 4" PVC	pc	50.00					

	Wires & Fixtures						
10.16 00	3.5 mm ² THHN Wire, Stranded	pc	3,702.00				
10.17 00	5.5 mm ² THHN Wire, Stranded	pc	366.00				
10.18 00	14.0 mm ² THHN Wire, Stranded	m	40.00				
10.19 00	30.0 mm ² THHN Wire, Stranded	m	104.00				
10.27 00	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	90.00				
10.28 00	Duplex Convenience Outlet, Grounding Type, 20A, 250V (WP)	set	2.00				
10.30 00	Single Convenience Outlet, Grounding Type, 15 AMP, 230V	set	8.00				
10.29 00	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	32.00				
10.31 00	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	30.00				
10.33 00	Three Way Wall Switch, 1-Gang (10 AMP, 230 V)	set	4.00				
	6" mm Ø 18 Watts, Circular LED Downlight (Daylight)	set	93.00				
	6" mm Ø 15 Watts, Circular LED Downlight (Cool White)	set	27.00				
	4" mm Ø 12 Watts, Circular LED Downlight (Daylight)	set	11.00				
	4" Surface Downlight, Tubular, with 12w LED Bulb	set	6.00				
	8" Surface Downlight, Tubular, with 12w LED Bulb	set	27.00				
	Industrial Type Housing, with 1 x 18 Watts T8 LED	set	1.00				
	Post Lamp with 12w LED Bulb	set	2.00				
	Chandelier, 5 Bracket with LED Bulb	set	1.00				
	Chandelier, 3 Bracket with LED Bulb	set	1.00				
10.37 00	Panel Box, Flush Type, 4 Branches	pc	1.00				
	Panel Box, Bolt On, 1 Main with 20 Branches	set	2.00				
10.41 00	Circuit Breaker, Bolt-on, 20A 2P	set	32.00				
10.43 00	Circuit Breaker, Bolt-on, 40A 2P	pc	1.00				
10.45 00	Circuit Breaker, Bolt-on, 70A 2P	set	2.00				
10.47 00	Circuit Breaker, 125A 2P	set	1.00				
	125AT, 2P, MTS, Breaker Type	set	1.00				
10.55 00	Electrical Tape	roll	65.00				
	Water Heater						
	Heat Pump Water Heater, 2.7 Kw 220-240v, with Control Board	unit	1.00				
	Calorifier Tank – 130 Gal Storage	unit	1.00				
	Re-circulating Pump	unit	1.00				
	60gals Bladder Tank	unit	1.00				
	1HP Pump Self Priming Centrifugal Pump with Gauge and Automatic Switch	unit	1.00				
	Sub-total						
11.0 0	Plumbing Works						
	Dismantling & Re-installation of Existing Fixtures						
	Dismantling of Existing Water Closets	set	27.00	0.00		0.00	
	Dismantling of Existing Lavatories	set	27.00	0.00		0.00	

	Fixtures & Accessories						
11.02 00	Water Closet 1.6gpf with Accessories (Dual Flush)	set	27.00				
	Lavatory, Wall Hung Type with Accessories	set	27.00				
	Shower Set, 3-Way Valve (H/C) with Shower Head	set	27.00				
11.44 10	S.S. Floor Drain 4" x 4"	set	54.00				
11.43 00	Tissue Holder	pc	27.00				
	Soap Holder	pc	27.00				
	Bidet Faucet, rotating head, complete with Accessories	set	27.00				
11.45 00	Mirror	sqft	229.25				
	Pipes & Fittings						
11.10 00	PP-R Pipe 3/4"Ø x 4.0m (PN20)	pc	68.00				
11.15 00	PP-R Coupling, 3/4"Ø	pc	68.00				
11.26 00	PP-R Tee, 3/4"Ø	pc	68.00				
11.21 00	PP-R Elbow 90° x 3/4"Ø	pc	68.00				
11.29 10	PP-R Tee Reducer, 3/4" x 1/2"Ø	pc	81.00				
11.11 00	PP-R Pipe 1/2"Ø x 4.0m (PN20)	pc	54.00				
11.22 00	PP-R Elbow 90° x 1/2"Ø	pc	54.00				
11.16 00	PP-R Coupling, 1/2"Ø	pc	54.00				
11.27 00	PP-R Tee, 1/2"Ø	pc	81.00				
	PP-R Female Adapter x 1/2"Ø	pc	75.00				
11.38 00	Gate Valve, 3/4"Ø	pc	30.00				
11.44 00	S.S. Grab Rail 1-1/2"Ø	set	27.00				
11.42 00	Teflon Tape	pc	54.00				
	Three-way Angle Valve, 1/2" x 1/2" x 1/2"	pc	27.00				
	Sub-total						
12.0 0	Sanitary Works						
	Pipes & Fittings						
12.05 00	PVC Sanitary Pipe 4"Ø x 3.0m	pc	58.00				
12.13 00	PVC Sanitary Elbow 1/8 x 4"Ø	pc	50.00				
12.16 00	PVC Sanitary Wye 4" x 4"	pc	50.00				
	Brass Cleanout 4"x4"	pc	54.00				
12.07 00	PVC Sanitary Pipe 2"Ø x 3.0m	pc	60.00				
12.11 00	PVC Sanitary Elbow 90° x 2"Ø	pc	54.00				
12.18 00	PVC Sanitary Wye 2" x 2"	pc	54.00				
12.22 00	PVC Sanitary Tee 2" x 2"	pc	54.00				
	PVC P-Trap 2"	pc	27.00				
12.14 10	PVC Sanitary Elbow 1/8 x 2"Ø	pc	54.00				
12.30 00	PVC Cement	can	27.00				
	Sub-total						

13.00	Painting Works							
	Scraping and Re-sanding							
	Paint Remover	gal	65.00					
	Sanding paper	yard	200.00					
	Scaffoldings							
9.1700	Rough Lumber, Sun Dried, Tanguile	bd.ft	1,720.00					
4.0400	CWN, Assorted	kg	42.00					
	Concrete & Ceiling Surfaces	sq. m	497.48					
13.1800	Neutralizer	gal	7.00					
13.0200	Latex, Flat	gal	25.00					
13.0300	Masonry Putty	gal	25.00					
13.0400	Latex, Semi Gloss	gal	25.00					
13.0500	Acri Color	gal	7.00					
	Wood Surfaces (Interior)	sq. m	1,333.31					
13.0400	Enamel, Flatwall	gal	67.00					
13.1500	Glazing Putty	gal	67.00					
13.0500	Enamel, Semi Gloss	gal	67.00					
13.1600	Paint Thinner	gal	51.00					
	Exterior Surfaces	sq. m	893.38					
	Acrylic Solvent Based Penetrating Sealer	gal	55.00					
	Acrylic Solvent Based Cast	gal	50.00					
	Acrylic Solvent Base Putty Filler	gal	45.00					
	Acrylic Solvent Reducer	gal	75.00					
	Acrylic Solvent Based Primer	gal	85.00					
	Acrylic Solvent Based Top Coat (Light, Semi-Gloss)	gal	170.00					
	Acrylic Solvent Based Top Coat (Dark, Semi-Gloss)	gal	40.00					
	Metal Surfaces							
13.1100	Primer, Zinc Chromate	gal	25.00					
	Body Filler	gal	5.00					
	Enamel, Quick Dry	gal	35.00					
13.0900	Paint Thinner	gal	25.00					
	Varnishing Surfaces (including Cornices, Mouldings & Baseboard)	sq. m	574.20					
	Sanding Sealer	gal	20.00					
	Lacquer Flo	gal	16.00					
	Lacquer Clear Top Coat	gal	30.00					
	Wood Filler	lit	11.00					
13.1000	Lacquer Thinner	gal	31.00					
	Sub-total							
14.00	Tile Works							
	Chipping Works							
	Chipping & removing of Existing Tiles	sqm	415.80					
5.0100	Demolition of Masonry Wall	sqm	65.23					

	Main Entry							
	Flooring	sq. m	10.35					
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	30.00					
14.0300	Tile Adhesive 25 kg/bag	bag	2.00					
14.0500	Tile Grout 5 kg/bag	bag	1.00					
	GF Individual Toilet							
	Wall	sq. m	176.67					
	Glazed Wall Tile, 30cm x 30cm	pc	2,022.00					
14.16	Tile Adhesive 25 kg/bag	bag	32.00					
14.15	Tile Grout 5 kg/bag	bag	14.00					
	Flooring	sq. m	43.23					
	Unglazed Floor Tile, 30cm x 30cm	pc	495.00					
14.0300	Tile Adhesive 25 kg/bag	bag	8.00					
14.0500	Tile Grout 5 kg/bag	bag	4.00					
	2F Individual Toilet							
	Wall	sq. m	190.26					
	Glazed Wall Tile, 30cm x 30cm	pc	2,178.00					
14.16	Tile Adhesive 25 kg/bag	bag	35.00					
14.15	Tile Grout 5 kg/bag	bag	15.00					
	Flooring	sq. m	46.55					
	Unglazed Floor Tile, 30cm x 30cm	pc	533.00					
14.0300	Tile Adhesive 25 kg/bag	bag	9.00					
14.0500	Tile Grout 5 kg/bag	bag	4.00					
	Others							
	Resanding & Resealing of T&G Floor @ GF	sqft	2,231.46					
	Resanding & Resealing of T&G Floor @ 2F	sqft	2,231.46					
	Resanding & Resealing of Wooden Main Stairs (2)	sqft	273.90					
	Sub-total							
15.00	Waterproofing							
	Cold process, Water-based, Polymerized Seamless Rubberized Membrane Type							
a.	GF Individual Toilet	sqm	72.61					
b.	2F Individual Toilet	sqm	78.19					
	Sub-total							
16.00	Electronic & Communication Works							
	Fire Alarm System							
10.5100	Fire Alarm Bell, Vibrating Type, 8"	set	2.00					
10.5200	Fire Alarm Station, Manual Single Action	set	2.00					
	Smoke Detector	set	35.00					
10.5300	Fire Alarm Control Panel, One Zone	set	1.00					
	2 Beam Emergency Light	set	4.00					
	CCTV System							
	Cable Wires, Category 6	mtr	400.00					

	BNC Connector	pc	8.00					
	Ground Loop Isolator	set	8.00					
	Audio System (Pipe-In)							
	HDMI Cable	mtr	75.00					
	HDMI Splitter with Video Amplifier/Extender (4 input)	unit	4.00					
	Audio Cable	roll	1.00					
	Sub-total							
I	DIRECT COST							
II	INDIRECT COST 17% of (I less Item "I")							
III	TAX 5% of (I + II)							
IV	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared:

Bidder Contractor

PROGRAM OF WORKS DETAILED COST ESTIMATES

PROJECT : REPAIR, REHABILITATION & RESTORATION OF BACHELORS HALL
OFFICE : BAGUIO TEACHER'S CAMP
LOCATION : BAGUIO CITY
OWNER : DEPARTMENT OF EDUCATION

Item No.	DESCRIPTION	UNIT	QTY	UNIT COST		TOTAL COST		GRAND TOTAL
				MATERIAL	LABOR	MATERIAL	LABOR	
I	INDIRECT COST							
	GENERAL REQUIREMENTS							
	Mobilization/Temporary Structures, Utilities and Services/Demobilization	lot	1.00					
	Project Billboard	lot	1.00					
	Safety and Health/Equipment	lot	1.00					
	Fire Safety Inspection Certificate (FSIC)	lot	1.00					
	Sub-total							
1.00	Earthworks							
1.0100	Clearing and Grubbing	sq. m	22.38					
1.0200	Structural Excavation	cu. m	42.73					
1.0300	Backfilling and Compaction	cu. m	33.20					
1.0400	Gravel Bedding G-1	cu. m	12.78					
1.0500	Select Fill	cu. m	4.56					
1.0600	Soil Poisoning	sqm	171.50					
	Sub-total							
2.00	Concreting Works							
	Main Entrance Steps & Ramp	cu. m	16.59					
2.0200	Portland Cement	bag	150.00					
2.0300	Crushed Gravel 3/4"	cu. m	17.00					
2.0500	Washed Sand	cu. m	9.00					
	Heat Pump Slab on Fill	cu. m	0.45					
2.0200	Portland Cement	bag	5.00					
2.0300	Crushed Gravel 3/4"	cu. m	0.50					
2.0500	Washed Sand	cu. m	0.25					
	Perimeter Walkway	cu. m	16.25					
2.0200	Portland Cement	bag	147.00					
2.0300	Crushed Gravel 3/4"	cu. m	16.25					
2.0500	Washed Sand	cu. m	8.25					
	Open Canal	cu. m	38.22					
2.0200	Portland Cement	bag	344.00					
2.0300	Crushed Gravel 3/4"	cu. m	38.25					

2.050 0	Washed Sand	cu. m	19.25				
	Pedestal Columns	cu. m	2.25				
2.020 0	Portland Cement	bag	21.00				
2.030 0	Crushed Gravel 3/4"	cu. m	2.25				
2.050 0	Washed Sand	cu. m	1.25				
	Retaining/RipRap Wall (at the Rear)						
	Column Footing	cu. m	4.75				
2.020 0	Portland Cement	bag	43.00				
2.030 0	Crushed Gravel 3/4"	cu. m	4.75				
2.050 0	Washed Sand	cu. m	2.50				
	Beams	cu. m	5.44				
2.020 0	Portland Cement	bag	49.00				
2.030 0	Crushed Gravel 3/4"	cu. m	5.50				
2.050 0	Washed Sand	cu. m	2.75				
	Columns	cu. m	3.16				
2.020 0	Portland Cement	bag	29.00				
2.030 0	Crushed Gravel 3/4"	cu. m	3.25				
2.050 0	Washed Sand	cu. m	1.75				
	Sub-total						
3.00	Rebar Works						
	<i>Main Entrance Steps</i>		216.36				
	<i>Perimeter Walkway</i>		229.32				
	<i>Open Canal</i>		1,351.15				
	<i>Pedestal Columns</i>		331.32				
	Retaining/RipRap Wall (at the Rear)						
	<i>Column Footing</i>		178.61				
	<i>Beams</i>		715.75				
	<i>Columns</i>		501.07				
3.050 0	Deformed Round Bars, Grade 40	kg	3,523.58				
3.120 0	G.I. Tie Wire	kg	141.00				
	Sub-total						
4.00	Formworks						
	Retaining/RipRap Wall (at the Rear)						
	Beams	sq. m	15.80				
4.010 0	Coco Lumber	bd.ft	269.00				
4.030 0	Plywood Ordinary, 1/2" x 4' x 8'	pc	5.00				
4.040 0	CWN, Assorted	kg	4.00				
	Columns	sq. m	12.70				
4.010 0	Coco Lumber	bd.ft	216.00				
4.030 0	Plywood Ordinary, 1/2" x 4' x 8'	pc	4.00				

4.040 0	CWN, Assorted	kg	4.00					
	Sub-total							
5.00	Masonry Works							
5.010 0	Chipping Works	sqm	77.44					
	<i>For Main Entry Extension, Steps, Ramp & Open Canal</i>							
	Masonry Wall	sq. m	22.30					
5.030 0	CHB 4" thk	pc	279.00					
2.020 0	Portland Cement	bag	12.00					
2.050 0	Washed Sand	cu. m	1.00					
5.040 0	10mm x 6m RSB	kg	30.00					
3.120 0	G.I. Tie Wire	kg	1.00					
	Plastering	sq. m	44.10					
2.020 0	Portland Cement	bag	15.00					
2.050 0	Washed Sand	cu. m	2.00					
	Floor Topping	sq. m	8.40					
2.020 0	Portland Cement	bag	6.00					
2.050 0	Washed Sand	cu. m	1.00					
	Front Base & Pedestal Stone Finish							
	Natural Stone (Boulders)	cu. m	6.00					
2.020 0	Portland Cement	bag	9.00					
2.050 0	Washed Sand	cu. m	2.00					
	Retaining/RipRap Wall (at the Rear)							
	Natural Stone (Boulders)	cu. m	22.00					
2.020 0	Portland Cement	bag	40.00					
2.050 0	Washed Sand	cu. m	10.00					
	For Common Toilet							
	Masonry Wall for Toilet Rehabilitation	sq. m	99.93					
5.030 0	CHB 4" thk	pc	1,250.00					
2.020 0	Portland Cement	bag	50.00					
2.050 0	Washed Sand	cu. m	5.00					
5.040 0	10mm x 6m RSB	kg	133.00					
3.120 0	G.I. Tie Wire	kg	3.00					
	Plastering	sq. m	185.86					
2.020 0	Portland Cement	bag	62.00					
2.050 0	Washed Sand	cu. m	7.00					
	Floor Topping	sq. m	33.40					
2.020 0	Portland Cement	bag	23.00					

2.050 0	Washed Sand	cu. m	3.00					
	Sub-total							
6.00	Doors and Windows							
6.010 0	Removal of Door with Jamb	set	14.00					
6.020 0	Removal of Window with Jamb	sq. m	11.20					
	New Doors							
	D-2, Flush Door 0.80m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	9.00					
	D-3, Flush Door 0.80m x 2.10m on 100mm Wooden Jamb complete with Accessories (lever type door knob)	set	2.00					
	Main Panel Door 0.90m x 2.10m on 150mm Wooden Jamb complete with Accessories (Entrance, Handleset with Deadbolt)	set	2.00					
	New Windows							
	W - 1, (1.2m x 1.2m) uPVC (White) Casement Window (French Type) with Clear Glass on uPvc Jamb complete with Accessories	set	1.00					
	W - 2, (0.6m x 1.2m) uPVC (White) Casement Window (French Type) with Clear Glass on uPvc Jamb complete with Accessories	set	2.00					
	W - 3, (1.2m x 0.6m) uPVC (White) Awning Window with Clear Glass on uPVC Jamb complete with Accessories	set	4.00					
	Rehabilitated Windows							
	Clear Glass Replacement	sqft	242.24					
	Window Screens							
	Insect Fiber Screen on Aluminum Powdercoated complete with Accessories	sqft	591.39					
	Hardware & Accessories							
	Foot Bolt	set	2.00					
	Chain Bolt	set	2.00					
	Barrel Bolt, 4"	set	50.00					
	Hinges, Standard 3" x 3"	pair	60.00					
	Sub-total							
7.00	Steel Works							
	Heat Pump Area							
7.009 0	LC 75 x 38 x 15 x 2.0mm	kg	136.50					
7.261 0	G.I. Pipe 1-½"Ø Sch. 40	pc	4.00					
7.260 0	G.I. Pipe 2"Ø Sch.40	pc	2.00					
7.110 0	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.25					
7.160 0	Anchor Bolt with Nuts and Washer, 12mmØ x 50mm x 150mm	pc	16.00					
7.360 0	Welding Rod	kg	15.00					
	Main Stair & Ramp Railing							
7.261 0	G.I. Pipe 1-½"Ø Sch. 40	pc	8.00					
	2" x 3" x 1.2mm Tubular Bar	kg	196.44					
	1" x 1" x 1.2mm Tubular Bar	kg	102.48					

7.106 0	Flat Bar 1½" x ¼"	kg	84.60				
7.110 0	Steel Plate 1.20m x 2.40m x 6mm thk	pc	0.50				
7.170 0	Anchor Bolt with Nuts and Washer, 10mmØ x 50mm x 125mm	pc	28.00				
7.360 0	Welding Rod	kg	27.00				
	Window Grilles						
7.190 1	Plain Round Bar 12mmØ x 6m	pc	102.00				
7.105 0	Flat Bar 1" x ¼"	kg	959.24				
	1"Wood Screw, Flat Head	pc	400.00				
7.360 0	Welding Rod	kg	45.00				
	Sub-total						
8.00	Roofing Works						
8.010 0	Removal of Roofing Sheets	m	386.60				
8.020 0	Removal of Ridge Roll	pc	8.00				
8.030 0	Removal of Flashing	pc	4.00				
8.040 0	Removal of Gutter	pc	4.00				
8.050 0	Removal of Fascia Board	pc	4.00				
	Main Building Roofing	m	330.30				
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	330.30				
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	9.00				
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	14.00				
8.35	Teckscrew 2-1/2"	pc	1,080.00				
8.36	Roof Sealant	L	3.00				
8.37	Blind Rivets	pc	720.00				
	Media Agua Roofing	m	48.50				
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	48.50				
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	16.00				
8.35	Teckscrew 2-1/2"	pc	672.00				
8.36	Roof Sealant	L	2.00				
8.37	Blind Rivets	pc	280.00				
	Canopy Roofing	m	56.30				
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	56.30				
	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	3.00				
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	7.00				
8.35	Teckscrew 2-1/2"	pc	672.00				
8.36	Roof Sealant	L	2.00				
8.37	Blind Rivets	pc	280.00				
	Roofing for Heat Pump Area	m	21.00				
	Long-Span Roofing, Corrugated, Pre- Painted, 1220mm x 0.5mm thk	m	21.00				

	Ridge Roll, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	2.00					
	Flashing, Pre-Painted, Ordinary, 0.610m x 2.440m x 0.6mm thk	pc	3.00					
8.35	Teckscrew 2-1/2"	pc	210.00					
8.36	Roof Sealant	L	2.00					
8.37	Blind Rivets	pc	30.00					
	Sub-total							
9.00	Ceiling and Carpentry Works							
	Dismantling Works							
9.010 0	Removal of Ceiling	sq. m	119.80					
9.009 0	Removal of Partition	sq. m	45.00					
	Removal of Damaged Wooden Columns	lot	1.00					
	Fascia Replacement							
9.143 0	Fascia Board, Fiber Cement 12" x 8'	pc	75.00					
	1"x12" Wood Panels	bd.ft .	280.00					
4.040 0	CWN, Assorted	kg	7.00					
	Interior ceiling							
	Hallways and Bedrooms (GF & 2F)	sq. m	129.20					
9.100 0	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	52.00					
9.080 0	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	25.00					
9.110 0	Wall Angle	pc	29.00					
9.120 0	Prefomed Wire Clip	pc	106.00					
9.130 0	Rod Suspension Hanger with Adjustment Spring	pc	106.00					
9.131 0	Steel Angle	pc	106.00					
9.220 0	Concrete Nails	kg	2.00					
8.110 0	Blind Rivets	pc	435.00					
9.090 0	Fiber Cement Ceiling Board (4.5 mm thk)	pc	84.00					
	Main Entry Canopy & Roof Eaves	sq. m	81.76					
9.100 0	Metal Double Furring Channel (19mm x 50mm x 5m x 0.5mm thk)	pc	33.00					
9.080 0	Metal Carrying Channel (12mm x 38mm x 5m x 0.8mm thk)	pc	16.00					
9.110 0	Wall Angle	pc	18.00					
9.120 0	Prefomed Wire Clip	pc	68.00					
9.130 0	Rod Suspension Hanger with Adjustment Spring	pc	68.00					
9.131 0	Steel Angle	pc	68.00					
9.220 0	Concrete Nails	kg	1.00					
8.110 0	Blind Rivets	pc	275.00					
9.090 0	Fiber Cement Ceiling Board (4.5 mm thk)	pc	188.00					
	Wood Replacement							
	Replacement for Wooden Columns							

	6"x6" Hardwood Columns	bd.ft	360.00				
	Machine bolts with nuts and washers 20mmØ x 350mm	pc	40.00				
	Metal Strap 75mm x 800mm x 6mm thk	set	12.00				
	Replacement for Wooden Trusses						
	2"x 6" Hardwood Purlins	bd.ft	400.00				
	2"x 3" Hardwood Purlins	bd.ft	240.00				
	2"x 8" Hardwood Truss Chord Member	bd.ft	320.00				
4.040 0	CWN, Assorted	kg	18.00				
9.190 0	Wood Preservative, Brown	L	12.00				
	Replacement for T&G Flooring						
	T&G 1" x 4"	bd.ft.	480.00				
4.040 0	CWN, Assorted	kg	6.00				
9.210 0	Finishing Nails	kg	10.00				
	Additional & Replacement for Media Aguas						
	2"x 4" Hardwood Purlins	bd.ft	380.00				
	2"x 3" Hardwood Purlins	bd.ft	320.00				
9.143 0	Fascia Board, Fiber Cement 12" x 8'	pc	33.00				
4.040 0	CWN, Assorted	kg	15.00				
9.190 0	Wood Preservative, Brown	L	7.00				
	Replacement for Mouldings & Cornices						
	1"x2" S4S Lumber	bd.ft	148.00				
	1"x4" S4S Lumber	bd.ft	274.00				
9.210 0	Finishing Nails	kg	6.00				
4.040 0	CWN, Assorted	kg	9.00				
	Replacement for Wall Panels						
	1"x8" Wood Panels	bd.ft	972.00				
	1"x4" S4S Lumber	bd.ft	564.00				
9.020 0	Plywood, Ordinary 1/4" x 4' x 8'	pc	165.00				
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	540.00				
4.040 0	CWN, Assorted	kg	184.00				
	Others						
	Native Cloth Accent						
	Traditional Native Cloth, 4" wide	yd	165.00				
9.020 0	Plywood, Ordinary 1/4" x 4' x 8'	pc	6.00				
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	214.00				
9.210 0	Finishing Nails	kg	5.00				
	Bedroom Cabinets & Table						
9.030 0	Plywood, Ordinary 1/2" x 4' x 8'	pc	7.00				

9.040 0	Plywood, Ordinary 3/4" x 4' x 8'	pc	55.00					
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	74.00					
4.040 0	CWN, Assorted	kg	8.00					
9.210 0	Finishing Nails	kg	8.00					
	16" Metal Drawer Guide, Heavy Duty, Full Extension Ball Bearing Type	set	9.00					
	Felt Roller (4 roller per set)	set	9.00					
	Metal Felt Guide (6m length)	length	18.00					
	Chrome Flush type Door Handle	pc	18.00					
	3/4"Ø Chrome Flange	pc	18.00					
	3/4"Ø Chrome Bar (6m)	length	4.00					
	Wooden Trim for Toilets							
	Rough Lumber, Sun Dried	bd.ft	64.00					
	Sanding Sealer	gal	3.00					
4.040 0	CWN, Assorted	kg	4.00					
	Reception Counter							
9.040 0	Plywood, Ordinary 3/4" x 4' x 8'	pc	5.00					
9.020 0	Plywood, Ordinary 1/4" x 4' x 8'	pc	2.00					
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	80.00					
	Concealed Hinges	pair	8.00					
	Cabinet Lock	set	2.00					
4.040 0	CWN, Assorted	kg	4.00					
9.210 0	Finishing Nails	kg	4.00					
	Toilet Partition							
	Phenolic Toilet Door & Partition, including Accessories (Lock and Brackets)	sqm	24.14					
	Anodized Aluminum Stucco Sheet on Anodized Aluminum Frame including Accessories (Brackets)	sqm	19.73					
	Sub-total							
10.0 0	Electrical Works							
	Roughing-ins							
10.02 00	Electrical Conduit uPVC, 20mmØ	pc	115.00					
10.02 10	Electrical Conduit uPVC, 25mmØ	pc	45.00					
	RSC 50mmØ	pc	4.00					
	Entance Cap 2"	pc	1.00					
	Junction Box, 4" x 4" PVC	pc	75.00					
	Utility Box, 2" x 4" PVC	pc	40.00					
	Grounding Rod	pc	1.00					
	Wires & Fixtures							
10.16 00	3.5 mm² THHN Wire, Stranded	m	1,288.00					
	5.5 mm² THHN Wire, Stranded	m	65.00					
10.18 00	22.0 mm² THHN Wire, Stranded	m	55.00					
10.27 00	Duplex Convenience Outlet, Grounding Type, 20A, 250V	set	28.00					

10.30 00	Single Convenience Outlet, Grounding Type, 15 AMP, 230V (EF)	set	6.00				
10.29 00	Single Pole Wall Switch in One Switch Plate (10 AMP, 230V)	set	9.00				
10.31 00	2 Single Pole Wall Switches in One Switch Plate (10 AMP, 230V)	set	4.00				
10.33 00	Three Way Wall Switch, 1-Gang (10 AMP, 230 V)	set	2.00				
	Three Way Wall Switch, 2-Gang (10 AMP, 230 V)	set	2.00				
	6" mm Ø 18 Watts, Circular LED Downlight (Daylight)	set	20.00				
	4" mm Ø 12 Watts, Circular LED Downlight (Cool White)	set	10.00				
	4" Surface Downlight, Tubular, with 12w LED Bulb	set	4.00				
	8" Surface Downlight, Tubular, with 12w LED Bulb	set	7.00				
	Industrial Type Housing, with 1 x 18 Watts T8 LED	set	1.00				
	Post Lamp with 12w LED Bulb	set	2.00				
	Chandelier, 3 Bracket with LED Bulb	set	2.00				
10.38 00	Panel Box, Flush Type, Center main, 14 branches	set	1.00				
10.41 00	Circuit Breaker, Bolt-on, 20A 2P	set	10.00				
10.43 00	Circuit Breaker, Bolt-on, 40A 2P	pc	1.00				
10.46 00	Circuit Breaker, Bolt-on, 70A 2P	set	1.00				
	70AT, 2P, MTS, Breaker Type	set	1.00				
10.55 00	Electrical Tape	roll	34.00				
	Water Heater						
	Heat Pump Water Heater, 2.7 Kw 220-240v, with Control Board	unit	1.00				
	Calorifier Tank – 130 Gal Storage	unit	1.00				
	Re-circulating Pump	unit	1.00				
	60gals Bladder Tank	unit	1.00				
	1HP Pump Self Priming Centrifugal Pump with Gauge and Automatic Switch	unit	1.00				
	Sub-total						
11.0 0	Plumbing Works						
	Dismantling & Re-installation of Existing Fixtures						
	Dismantling of Existing Water Closets	set	6.00				
	Dismantling of Existing Lavatories	set	2.00				
	Fixtures & Accessories						
11.02 00	Water Closet 1.6gpf with Accessories (Dual Flush)	set	6.00				
	Lavatory, Wall Hung Type with Accessories	set	2.00				
	Shower Set, 3-Way Valve (H/C) with Shower Head	set	4.00				
11.44 10	S.S. Floor Drain 4" x 4"	set	12.00				
11.43 00	Tissue Holder	pc	6.00				
	Soap Holder	pc	6.00				
	Bidet Faucet, rotating head, complete with Accessories	set	6.00				
11.45 00	Mirror	sqft	15.50				
	Pipes & Fittings						

11.10 00	PP-R Pipe 3/4"Ø x 4.0m (PN20)	pc	21.00				
11.15 00	PP-R Coupling, 3/4"Ø	pc	15.00				
11.26 00	PP-R Tee, 3/4"Ø	pc	12.00				
11.21 00	PP-R Elbow 90° x 3/4"Ø	pc	10.00				
11.29 10	PP-R Tee Reducer, 3/4" x 1/2"Ø	pc	6.00				
11.11 00	PP-R Pipe 1/2"Ø x 4.0m (PN20)	pc	8.00				
11.22 00	PP-R Elbow 90° x 1/2"Ø	pc	6.00				
11.16 00	PP-R Coupling, 1/2"Ø	pc	6.00				
11.27 00	PP-R Tee, 1/2"Ø	pc	3.00				
	PP-R Female Adapter x 1/2"Ø	pc	14.00				
11.38 00	Gate Valve, 3/4"Ø	pc	4.00				
11.44 00	S.S. Grab Rail 1-1/2"Ø	lm	6.00				
11.42 00	Teflon Tape	pc	10.00				
	Three-way Angle Valve, 1/2" x 1/2" x 1/2"	pc	6.00				
	Sub-total						
12.0 0	Sanitary Works						
	<i>Pipes & Fittings</i>						
12.05 00	PVC Sanitary Pipe 4"Ø x 3.0m	pc	24.00				
12.13 00	PVC Sanitary Elbow 1/8 x 4"Ø	pc	18.00				
12.16 00	PVC Sanitary Wye 4" x 4"	pc	10.00				
	Brass Cleanout 4"x4"	pc	8.00				
12.07 00	PVC Sanitary Pipe 2"Ø x 3.0m	pc	11.00				
12.11 00	PVC Sanitary Elbow 90° x 2"Ø	pc	6.00				
12.18 00	PVC Sanitary Wye 2" x 2"	pc	6.00				
12.22 00	PVC Sanitary Tee 2" x 2"	pc	3.00				
	PVC P-Trap 2"	pc	3.00				
12.14 10	PVC Sanitary Elbow 1/8 x 2"Ø	pc	6.00				
12.30 00	PVC Cement	can	12.00				
	Others						
	New Septic Vault						
	Septic Vault						
	Linear Low Density Polyethylene (LLDPE) Septic Vault, 2000L	set	1.00				
	Excavation Works						
1.010 0	Clearing and Grubbing	sq. m	6.00				
1.020 0	Structural Excavation	cu. m	18.00				
2.030 0	Crushed Gravel 3/4"	cu. m	9.00				
2.050 0	Washed Sand	cu. m	5.00				
	Concreting Works						
	<i>Slab on Fill</i>	cu. m	0.79				
2.01	Portland Cement	bag	8.00				

2.030 0	Crushed Gravel 3/4"	cu. m	1.00					
2.050 0	Washed Sand	cu. m	0.50					
	Manhole Cover	cu. m	0.05					
2.01	Portland Cement	bag	1.00					
2.030 0	Crushed Gravel 3/4"	cu. m	0.25					
2.050 0	Washed Sand	cu. m	0.25					
	Rebar Works							
	<i>Manhole Cover</i>	<i>kg</i>	<i>18.51</i>					
	<i>Slab on Fill</i>	<i>kg</i>	<i>51.82</i>					
3.050 0	Deformed Round Bars, Grade 40	kg	81.38					
3.120 0	G.I. Tie Wire	kg	3.00					
	Masonry Works							
	<i>Septic Wall</i>	<i>sq. m</i>	<i>9.50</i>					
5.020 0	CHB 6" thk	bag	125.00					
2.020 0	Portland Cement	cu. m	10.00					
2.050 0	Washed Sand	cu. m	3.00					
5.040 0	10mm x 6m RSB	kg	95.88					
3.120 0	G.I. Tie Wire	kg	6.00					
	<i>Manhole Wall</i>	<i>sq. m</i>	<i>2.44</i>					
5.020 0	CHB 6" thk	bag	31.00					
2.020 0	Portland Cement	cu. m	3.00					
2.050 0	Washed Sand	cu. m	1.00					
5.040 0	10mm x 6m RSB	kg	15.98					
3.120 0	G.I. Tie Wire	kg	1.00					
	<i>Plastering</i>	<i>sq. m</i>	<i>1.44</i>					
2.020 0	Portland Cement	cu. m	1.00					
2.050 0	Washed Sand	cu. m	1.00					
	Sub-total							
13.0 0	Painting Works							
	Scraping and Re-sanding							
	Paint Remover	gal	45.00					
	Sanding paper	yrd	140.00					
	Scaffoldings							
9.170 0	Rough Lumber, Sun Dried, Tanguile	bd.ft	1,540.00					
4.040 0	CWN, Assorted	kg	20.00					
	Concrete & Ceiling Surfaces	sq. m						
13.02 00	Latex, Flat	gal	40.00					
13.03 00	Masonry Putty	gal	25.00					
13.04 00	Latex, Semi Gloss	gal	80.00					

13.05 00	Acri Color	gal	10.00				
	Exterior Surfaces	sq. m					
	Acrylic Solvent Based Penetrating Sealer	gal	40.00				
	Acrylic Solvent Based Cast	gal	35.00				
	Acrylic Solvent Base Putty Filler	gal	20.00				
	Acrylic Solvent Reducer	gal	55.00				
	Acrylic Solvent Based Primer	gal	55.00				
	Acrylic Solvent Based Top Coat (Light, Semi-Gloss)	gal	110.00				
	Acrylic Solvent Based Top Coat (Dark, Semi-Gloss)	gal	25.00				
	Metal Surfaces	sq. m					
13.11 00	Primer, Zinc Chromate	gal	25.00				
	Body Filler	gal	6.00				
	Enamel, Quick Dry	gal	45.00				
13.09 00	Paint Thinner	gal	30.00				
	Varnishing Surfaces	sq. m					
	Sanding Sealer	gal	20.00				
	Lacquer Flo	gal	10.00				
	Lacquer Clear Top Coat	gal	20.00				
	Wood Filler	lit	10.00				
	Acrylic Top Coat (Clear)	gal	6.00				
13.10 00	Lacquer Thinner	gal	27.00				
	Sub-total						
14.0 0	Tile Works						
	Chipping Works						
	Chipping & removing of Existing Tiles	sqm	108.27				
5.010 0	Demolition of Masonry Wall	sqm	99.93				
	Main Entry						
	Flooring	sq. m	10.35				
	Unpolished/Non-skid Homogeneous Floor Tile, 60cm x 60cm	pc	30.00				
14.03 00	Tile Adhesive 25 kg/bag	bag	2.00				
14.05 00	Tile Grout 5 kg/bag	bag	1.00				
	Male Common Toilet						
	Wall	sq. m	25.81				
	Glazed Wall Tile, 30cm x 30cm	pc	296.00				
14.16	Tile Adhesive 25 kg/bag	bag	5.00				
14.15	Tile Grout 5 kg/bag	bag	2.00				
	Flooring	sq. m	14.35				
	Unglazed Floor Tile, 30cm x 30cm	pc	165.00				
14.03 00	Tile Adhesive 25 kg/bag	bag	3.00				
14.05 00	Tile Grout 5 kg/bag	bag	2.00				
	Female Common Toilet						
	Wall	sq. m	25.81				
	Glazed Wall Tile, 30cm x 30cm	pc	296.00				

14.16	Tile Adhesive 25 kg/bag	bag	5.00					
14.15	Tile Grout 5 kg/bag	bag	2.00					
	Flooring	sq. m	14.35					
	Unglazed Floor Tile, 30cm x 30cm	pc	165.00					
14.03 00	Tile Adhesive 25 kg/bag	bag	3.00					
14.05 00	Tile Grout 5 kg/bag	bag	2.00					
	Others							
	Resanding & Resealing of T&G Floor @ GF	sqft	844.44					
	Resanding & Resealing of T&G Floor @ 2F	sqft	844.44					
	Resanding & Resealing of Wooden Main Stairs (2)	sqft	113.02					
	Sub-total							
15.0 0	Waterproofing							
	Cold process, Water-based, Polymerized Seamless Rubberized Membrane Type							
a.	2F Common Toilet	sqm	34.83					
	Sub-total							
16.0 0	Electronic & Communication Works							
	Fire Alarm System							
10.51 00	Fire Alarm Bell, Vibrating Type, 8"	set	2.00					
10.52 00	Fire Alarm Station, Manual Single Action	set	2.00					
	Smoke Detector	set	14.00					
10.53 00	Fire Alarm Control Panel, One Zone	set	1.00					
	2 Beam Emergency Light	set	2.00					
	CCTV System							
	Cable Wires, Category 6	mtr	350.00					
	BNC Connector	pc	8.00					
	Ground Loop Isolator	set	8.00					
	Audio System (Pipe-In)							
	HDMI Cable	mtr	75.00					
	HDMI Splitter with Video Amplifier/Extender (4 input)	unit	4.00					
	Audio Cable	roll	0.75					
	Sub-total							
I	DIRECT COST							
II	INDIRECT COST 17% of (I less Item "i")							
III	TAX 5% of (I + II)							
IV	TOTAL CONSTRUCTION COST (I + II + III)							

Prepared:

Bidder Contractor

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements;
or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary “pass/fail” criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

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.

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.

Bid Form

Date: _____, 201__

IB No. _____

To: **The Honorable Secretary**
Department of Education
2nd Floor, Rizal Building
DepEd Central Office Complex, Meralco Avenue
Pasig City 1600

We, the undersigned, declare that:

- (a) We have examined and have no reservation to the Bidding Documents, including Addenda, for the Contract: **Repair, Rehabilitation, and Restoration of Scoda Hall, Recto Hall and Bachelor's Hall in Baguio Teacher's Camp**, detailed as follows:

Lot No.	Project Description	Total Approved Budget for the Contract (ABC in PhP)
1	Repair, Rehabilitation, and Restoration of Scoda Hall	7,999,987.93
2	Repair, Rehabilitation, and Restoration of Recto Hall	9,999,883.53
3	Repair, Rehabilitation, and Restoration of Bachelors Hall	6,999,873.21

- (b) We offer to execute the Works for this Contract in accordance with the Bid and Bid Data Sheet, General and Special Conditions of Contract accompanying this Bid;

The total price of our Bid, excluding any discounts offered below is:

For Lot No. _____: *[Insert lot no.]*

(Total Bid Price in words)

(Total Bid Price in figures)

The discounts offered and the methodology for their application are: *[insert information]*

Bid Form page 1 of 2

- (c) Our Bid shall be valid for a period of *[insert number]* _____ days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

- (d) If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* ____ percent of the Contract Price for the due performance of the Contract;
- (e) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries: *[insert information]* _____;
- (f) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- (g) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Funding Source;
- (h) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- (i) We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- (j) We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the *[Name of Project]* of the *[Name of the Procuring Entity]*.
- (k) We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

In the capacity of: _____

Signed: _____

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

Date: _____, 201__

I. Form of Contract Agreement

THIS AGREEMENT, made this *[insert date]* day of *[insert month]*, *[insert year]* between *[name and address of PROCURING ENTITY]* (hereinafter called the “Entity”) and *[name and address of Contractor]* (hereinafter called the “Contractor”).

WHEREAS, the Entity is desirous that the Contractor execute *[name and identification number of contract]* (hereinafter called “the Works”) and the Entity has accepted the Bid for *[insert the amount in specified currency in numbers and words]* by the Contractor for the execution and completion of such Works and the remedying of any defects therein.

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be attached, deemed to form, and be read and construed as integral part of this Agreement, to wit:
 - (a) General and Special Conditions of Contract;
 - (b) Drawings/Plans;
 - (c) Specifications;
 - (d) Invitation to Bid;
 - (e) Instructions to Bidders;
 - (f) Bid Data Sheet;
 - (g) Addenda and/or Supplemental/Bid Bulletins, if any;
 - (h) Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
 - (i) Eligibility requirements, documents and/or statements;
 - (j) Performance Security;
 - (k) Notice of Award of Contract and the Bidder’s conforme thereto;
 - (l) Other contract documents that may be required by existing laws and/or the Entity.
3. In consideration of the payments to be made by the Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Entity to execute and complete the Works and remedy any defects therein in conformity with the provisions of this Contract in all respects.

4. The Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

IN WITNESS whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

Signed, sealed, delivered by _____ the _____ (for the Entity)

Signed, sealed, delivered by _____ the _____ (for the Contractor).

Binding Signature of Procuring Entity

Binding Signature of Contractor

[Addendum showing the corrections, if any, made during the Bid evaluation should be attached with this agreement]

Omnibus Sworn Statement
For the Conduct of Procurement Activities under Republic Act No. 11494 or the *Bayanihan*
to Recover as One Act

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or

the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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

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

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

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

Name and Signature of Bidder's
Authorized Representative

[Jurat]

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

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

AFFIDAVIT OF DISCLOSURE OF NO RELATIONS

(SWORN AFFIDAVIT TO THE BIDDER THAT IT IS NOT RELATED TO THE HOPE, MEMBERS OF THE BAC, THE TWG, THE BAC SECRETARIAT, THE HEAD OF THE PMO, OR THE END-USER OR IMPLEMENTING UNIT, AND THE PROJECT CONSULTANTS, BY CONSAGUINITY OR AFFINITY UP TO THE THIRD CIVIL DEGREE)

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

1. *Select one, delete the other*

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

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

2. *Select one, delete the other*

(a) If a sole proprietorship: The owner and sole proprietor is not related to the Head of the Procuring Entity (HOPE), members of the Bids and Awards Committee (BAC), Technical Working Group (TWG), and the BAC Secretariat, the Head of Project Management Office or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree and has no conflicting interests with each other and is compliant with or is not violating Rule XV, Section 47.2 of the IRR of Republic Act 9184.

(b) If a partnership, None of the officers and members of [name of bidder] is related to the Head of the Procuring Entity (HOPE), members of the Bids and Awards Committee (BAC), Technical Working Group (TWG), and the BAC Secretariat, the Head of Project Management Office or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree and has no conflicting interests with each other and is compliant with or is not violating Rule XV, Section 47.2 of the IRR of Republic Act 9184.

(c) *If a cooperative*, None of the officers, directors, and controlling stakeholders or members of [name of bidder] is related to the Head of the Procuring Entity (HOPE), members of the Bids and Awards Committee (BAC), Technical Working Group (TWG), and the BAC Secretariat, the Head of Project Management Office or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree and has no conflicting interests with each other and is compliant with or is not violating Rule XV, Section 47.2 of the IRR of Republic Act 9184.

(d) *If a corporation*, None of the officers, directors, and controlling stockholders of [name of bidder] is related to the Head of the Procuring Entity (HOPE), members of the Bids and Awards Committee (BAC), Technical Working Group (TWG), and the BAC Secretariat, the Head of Project Management Office or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree and has no conflicting interests with each other and is compliant with or is not violating Rule XV, Section 47.2 of the IRR of Republic Act 9184.

(e) *If a joint venture*, The bidder has complied with provisions of items (a), (b), (c) or (d) of Rule XV, Section 47.2 of the IRR of Republic Act 9184 with respect to the members of the said joint venture and is compliant with or is not violating Rule XV, Section 47.2 of the IRR of Republic Act 9184.

Consistent with the Omnibus Sworn Statement,

Select one, delete the other

If a sole proprietorship: I have the full power and authority to sign this affidavit on behalf of [Name of Bidder] for (Name of Project) as shown in the attached duly notarized Special Power of Attorney (which is the same Special Power of the Attorney (SPA) attached to the Omnibus Sworn Statement);

If a partnership, corporation, cooperative, or joint venture: I have the full power and authority to sign this affidavit on behalf of [Name of Bidder] for (Name of Project) as shown in the attached duly notarized Secretary's Certificate, Board/Partnership Resolution, or SPA, whichever is applicable (which is the same SPA, Secretary's Certificate, or Board/Partnership Resolution attached to the Omnibus Sworn Statement).

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

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this ___ day of _____ 2020 at _____, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon, with no. _____ issued on ___ at _____.

Witness my hand and seal this ___ day of _____ 2020.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ [date issued], [place issued]

IBP No. _____ [date issued], [place issued]

Doc. No. _____;

Page No. _____;

Book No. _____;

Series of _____.

II. Bid-Securing Declaration

(REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.
X-----X

Invitation to Bid [*Insert reference number*]

To: **The Honorable Secretary**
Department of Education
2nd Floor, Rizal Building
DepEd Central Office Complex, Meralco Avenue
Pasig City 1600

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1 (f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
 - c. I am/we are declared as the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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

[Insert NAME OF BIDDER'S AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

SUBSCRIBED AND SWORN to before me this __ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. ____.

Witness my hand and seal this __ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ **until** _____

Roll of Attorneys No. _____

PTR No. __, *[date issued]*, *[place issued]*

IBP No. __, *[date issued]*, *[place issued]*

Doc. No. ____

Page No. ____

Book No. ____

Series of ____.

ANNEXES



Republic of the Philippines
Department of Finance
INSURANCE COMMISSION
1071 United Nations Avenue
Manila

Head Office:
P.O. Box 3589 Manila
FAX No. 522-14-34
Tel. Nos. 523-84-61 to 70
Website : www.insurance.gov.ph

CERTIFICATION

This is to certify that [redacted] is an authorize insurance company and licensed to transact general insurance business in the Philippines for such lines as **FIRE, MARINE, CASUALTY and SURETY** under Certificate of Authority Number [redacted] effective 1 July 2012 until 30 June 2013, unless sooner revoked or suspended for cause.

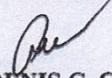
It is certified, moreover, that [redacted] is likewise authorized under Administrative Order No. 196 issue Surety Bonds, Performance Bonds and Bidder's Bonds callable on demand in favor of the various departments, agencies, instrumentalities of the government pursuant to the Revised Implementing Rules and Regulations of R.A. 9184 and that the company certifies to us that **SURETY BOND** denominated as **PPSII Bond No. G (16) HO45538** was issued in behalf of [redacted] represented by: [redacted], in favor of **DBM-PROCUREMENT SERVICE (PS)**, in the amount of **ONE HUNDRED FORTY FIVE THOUSAND ONLY (Php 145,000.00)**, for the **Supply & Delivery of Office Equipment for PS STOCKS** as per **Public Bidding No. 12-130**. Photocopy of said bond has been submitted by the company to the Regulation Division of this Commission.

This certification is issued upon the request of [redacted], Officer In Charge of [redacted] as required by the Dept. of Budget and Management – Procurement Service (PS), pursuant to Section 39.2 (c) of the Revised Implementing Rules and Regulations of R.A. 9184.

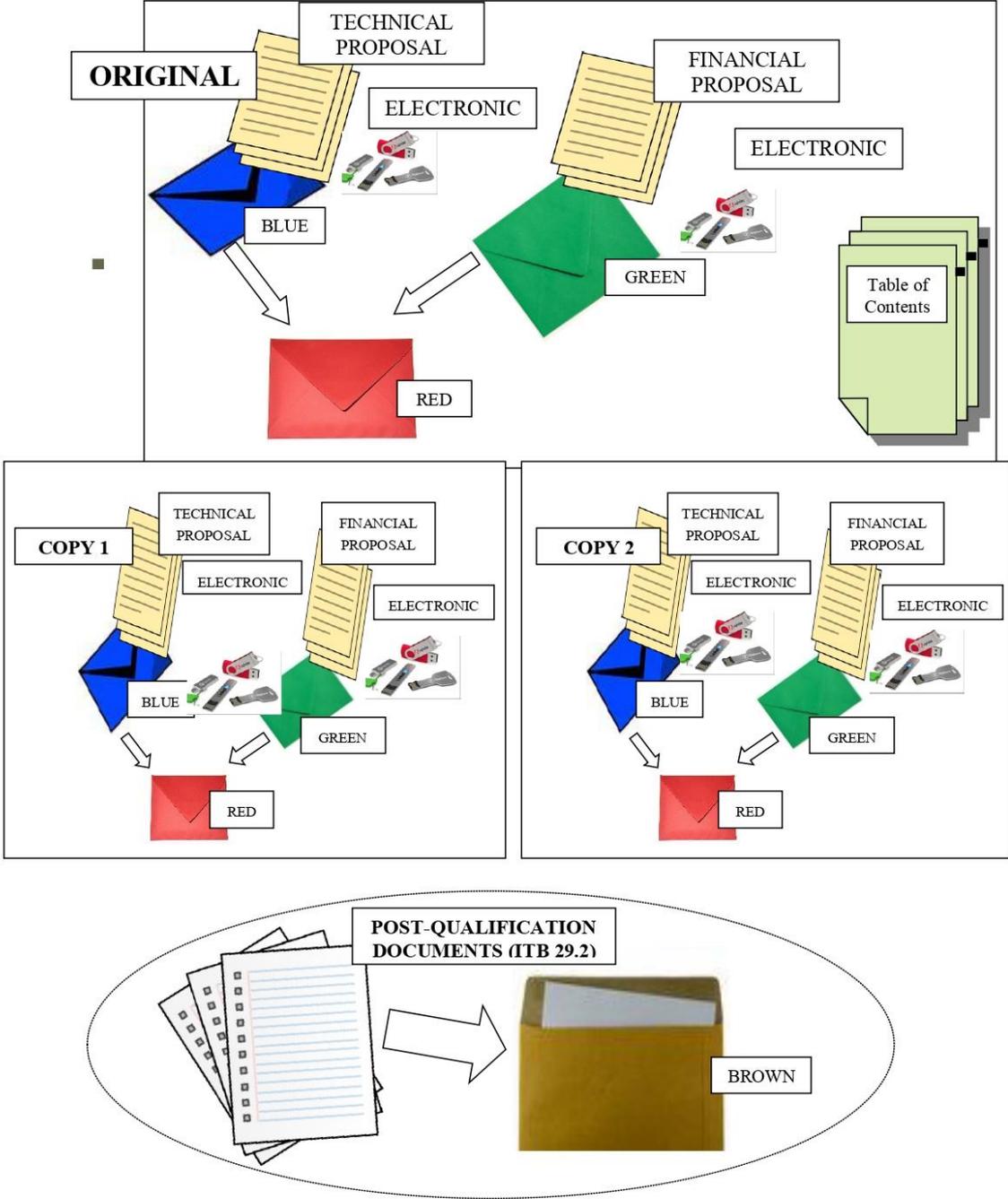
Issued on this 10th day of October, 2012.

City of Manila, Philippines.

For the Insurance Commissioner,


ATTY. DENIS C. CABUCOS
Chief-Regulation Division
Paid Under O.R. No.3482358B

SEALING AND MARKING OF BIDS



ORIGINAL / COPY NO. _____

[BIDDER'S COMPANY NAME]

[COMPANY'S OFFICE ADDRESS]

PUBLIC BIDDING: [PROJECT TITLE]

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

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

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

