

**PHILIPPINE BIDDING DOCUMENTS**  
(As Harmonized with Development Partners)

**Procurement of  
INFRASTRUCTURE  
PROJECTS**

Government of the Republic of the Philippines

**Project 2021-05: *CONSTRUCTION OF CBE  
BUILDING FOR BAYOMBONG CAMPUS***

**Sixth Edition  
July 2020**

# Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the “Works”) through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

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

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv) the obligations, duties, and/or functions of the winning Bidder.

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

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

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.

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

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# *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.



Republic of the Philippines  
**NUEVA VIZCAYA STATE UNIVERSITY**  
Bayombong, Nueva Vizcaya

**INVITATION TO BID**  
***2021-05: Construction of CBE Building for  
Bayombong Campus***

1. The *Nueva Vizcaya State University*, through the *General Fund (F101)* intends to apply the sum of *Php35,130,531.84* being the Approved Budget for the Contract (ABC) to payments under the contract for *2021-05: Construction of CBE Building for Bayombong Campus*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Nueva Vizcaya State University* now invites bids for the above Procurement Project. Completion of the Works is required *300 calendar days*. Bidders should have completed within two (02) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using 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 *Nueva Vizcaya State University* and inspect the Bidding Documents at the address given below from *Mondays to Fridays, 8:00AM to 5:00PM*.
5. A complete set of Bidding Documents may be acquired by interested bidders starting on December 23, 2020 from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Php25,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *through electronic means*.
6. The *NVSU* will hold a Pre-Bid Conference<sup>1</sup> on *January 4, 2021 @ 9:00am* at the *Board Room, 3/F New Administration Building, NVSU Bayombong, Campus* and through videoconferencing/webcasting *via Zoom*, which shall be open to prospective bidders. To reduce the risks and hazards of community transmission of COVID-19, the BAC shall conduct meetings and conferences via **ZOOM (Meeting ID: 459 146 9541, Password: nvsu2020)** until further notice, or until such time that the state of calamity, or implementation of community quarantine or similar government restrictions shall have been lifted by the proper government authorities.

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<sup>1</sup> May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

7. Bids must be duly received by the BAC Secretariat through courier submission at the office address indicated below on or before January 15, 2021 at 5:00pm. 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.
9. Bid opening shall be on *January 18, 2021 at 9:00am at the given address and via Zoom*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *Submission of Bid Envelopes by the bidder's representative must be accompanied by an authorization through a Special Power of Attorney (SPA):*

*A limit of three (3) projects shall be awarded per contractor. In case that a contractor won more than 03 projects, the BAC shall determine the 03 projects; and*

*In case a contractor wins more than one project, the contractor must detail specific manpower and equipment for every project.*

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

<b>MS. MARITNESS N. MORTERA</b>	<b>MS. ICY B. PASI</b>
<b>MS. JEANYBEE A. MARIANO</b>	<b>MS. FLORIDA P. URBANO</b>
<b>MS. DIANNE MARGARETH B. TITO</b>	<b>MS. JULIET S. SANCHEZ</b>

UBAC Secretariat UBAC Secretariat

3<sup>rd</sup> floor UBAC Office, New Administration Building  
 NVSU Bayombong Campus, Bayombong, Nueva Vizcaya  
 Tel. No. 078-321-2112-138 (trunkline)  
 Email address: **ubacbayombong@gmail.com**

13. You may visit the website:  
 For downloading of Bidding Documents: **www.nvsu.edu.ph** on December 23, 2020.

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**ARACELI V. DOMAGAS, RCE, PhD**  
 UBAC 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, Nueva Vizcaya State University invites Bids for the *Construction of CBE Building for Bayombong Campus.*, with Project Identification Number *Project 2021-05*.

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

The Procurement Project (referred to herein as “Project”) is 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 *General Fund (F101)* in the amount of *Php35,130,531.84*.

2.2. The source of funding is:

*[If an early procurement activity, select one and delete others:]*

- a. NGA, the National Expenditure Program.
- b. GOCC and GFIs, the proposed Corporate Operating Budget.
- c. LGUs, the proposed Local Expenditure Program.

*[If not an early procurement activity, select one and delete others:]*

- a. NGA, the General Appropriations Act or Special Appropriations.
- b. GOCC and GFIs, the Corporate Operating Budget.
- c. LGUs, the Annual or Supplemental Budget, as approved by the Sanggunian.

## 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:

[Select one, delete other/s]

- a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed fifty percent (50%) of the contracted Works.
- b. Subcontracting is not allowed.

7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.

7.2. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

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

## **8. Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address *{[insert if applicable]}* and/or through videoconferencing/webcasting} as indicated in paragraph 6 of the **IB**.

## **9. Clarification and Amendment of Bidding Documents**

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

## **10. Documents Comprising the Bid: Eligibility and Technical Components**

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section 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:*

*[Select one, delete other/s]*

a. Philippine Pesos.

b. *[indicate currency if procurement involves a foreign-denominated bid as allowed by the Procuring Entity, which shall be tradeable or acceptable by the BSP.]*

#### **15. Bid Security**

15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

15.2. The Bid and bid security shall be valid until *May 13, 2021*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

#### **16. Sealing and Marking of Bids**

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

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

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

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

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

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

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

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

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

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

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 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: <i>2021-05: Construction of CBE Building for Bayombong Campus</i>						
7.1	<i>[Specify the portions of Works and the maximum percentage allowed to be subcontracted, which shall not be significant or material components of the Project as determined by the Procuring Entity.]</i>						
10.3	<i>[Specify if another Contractor license or permit is required. ]</i>						
10.4	The key personnel must meet the required minimum years of experience set below: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Key Personnel</u></th> <th style="text-align: center;"><u>General Experience</u></th> <th style="text-align: center;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>			
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>					
10.5	The minimum major equipment requirements are the following: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Equipment</u></th> <th style="text-align: center;"><u>Capacity</u></th> <th style="text-align: center;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>			
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>					
12	<i>[Insert Value Engineering clause if allowed.]</i>						
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: <ul style="list-style-type: none"> <li>a. The amount of not less than <i>Php702,610.64 [Insert two percent (2%) of ABC]</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</li> <li>b. The amount of not less than <i>Php1,756,526.59[Insert five percent (5%) of ABC]</i> if bid security is in Surety Bond.</li> </ul>						
19.2	Partial bids are allowed, as follows: <i>[Insert grouping of lots by specifying the items and the quantity for every identified lot.]</i>						
20	<i>[List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.]</i>						
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.						

## ***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	<i>[If different dates are specified for completion of the Works by section, i.e. “sectional completion,” these dates should be listed here.]</i>
4.1	<i>[Specify the schedule of delivery of the possession of the site to the Contractor, whether full or in part.]</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
10	Dayworks are applicable at the rate shown in the Contractor’s original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <u>Php5,269,579.78</u> <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> .
	The date by which “as built” drawings are required is <i>[date]</i> .
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .

## *Section VI. Specifications*

### **Notes on Specifications**

A set of precise and clear specifications is a prerequisite for Bidders to respond realistically and competitively to the requirements of the Procuring Entity without qualifying or conditioning their Bids. In the context of international competitive bidding, the specifications must be drafted to permit the widest possible competition and, at the same time, present a clear statement of the required standards of workmanship, materials, and performance of the goods and services to be procured. Only if this is done will the objectives of economy, efficiency, and fairness in procurement be realized, responsiveness of Bids be ensured, and the subsequent task of bid evaluation facilitated. The specifications should require that all goods and materials to be incorporated in the Works be new, unused, of the most recent or current models, and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.

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

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

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

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

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted subject to the Procuring Entity's Representative's prior review and written consent.

Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

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

## *Section VI. Specifications*

<b>ITEM</b>	<b>DESCRIPTION OF WORK</b>	<b>UNIT</b>	<b>QUANTITY</b>
A.1.1(3)	Construction of Field Office for the Engineers	LS	1.00
B.3	Permit and Clearances	LS	1.00
B.5	Project Billboard/Sign Board	each	2.00
B.7(1)	Occupational Safety and Health Program	months	10.00
B.9	Mobilization and Demolization	LS	1.00
800(2)	Clearing & Grubbing	LS	1.00
100(3)a2	Individual Removal of Trees, (301-500mm)	ea.	9.00
801 (1)	Removal of Structure and Obstruction	LS	1.00
803(1)a	Structure Excavation (Common Soil)	cu.m.	840.70
804(1)a	Embankment (from Structure Excavation)	cu.m.	630.52
804(1)b	Embankment from Common Borrow by Equipment	cu.m.	669.60
804(4)	Gravel Bedding	cu.m.	113.00
900(1)c2	Structural Concrete (Footings & Slab On Fill), Class "A", 28 Days	cu.m.	301.91
900(1)c3	Structural Concrete (Footing Tie Beam),Class "A" 28 Days	cu.m.	40.95
900(1)a4	Structural Concrete (Columns - Class "A", 28 Days)	cu.m.	144.31
900(1)c5	Structural Concrete (Suspended Slab/Stairs/gutter), Class "A", 28 Days	cu.m.	194.93
900(1)c6	Structural Concrete (Beams/Girders),Class "A" 28 Days	cu.m.	131.78
902(1)a	Reinforcing Steel (Deformed) GR 40	kgs	96,352.56
903(1)	Formworks or Falsework	LS	1.00
1000 (1)	Soil Poisoning	Liter	48.00
1001 (5)b	Catch Basin/Canal, CHB	Sq..	226.00
1001 (8)	Sewer Line Works	LS	1.00
1003(2)	6.0mm Fiber Cement Board on Metal Fame Double Wall Partition	set	2.00
1001 (9)	Storm Drainage & Downspout	LS	1.00
1002(27)	Plumbing Fixtures	LS	1.00
1002 (24)	Cold Water Lines	LS	1.00
1003(1)a1	Ceiling (Metal Frame & Fiber Cement Board)	Sq.m.	512.00
1003(17)	Carpentry and Joinery Works (Blackboard)	LS	1.00
1004(2)	Finishing Hardwares	LS	1.00
1005 (5)	Steel Window (Window Grilles)	Sq.m.	260.20
1006(1)	Hollow Steel Door	Sq.m.	78.00
1008	Aluminum/PVC Glass Window (Sliding/Casement/Awning/Fixed Type)	Sq.m.	250.81

1010 (1)	Frames, Jambs, sills, head, Transom and Mullions	Set	32.00
1010(2)a	Doors, Flush	Sq.m.	11.40
1010(2)b	Doors, Wood Panel	Sq.m.	3.78
1013(2)a2	Fabricated Metal Roofing Accessories, Flashing	Ln.m.	139.20
1014(1)b2	Prepainted Metal Sheets (Rib Type, Long Span, Above 0.427mm thk)	Sq.m.	528.00
1016(1)a	Waterproofing, Cement-Base	Sq.m.	381.74
1018(1)	Glazed Tiles and Trim	Sq.m.	103.19
1018(2)	Unglazed Tiles and Trim	Sq.m.	1,808.80
1021(1) a	Cement Floor Finish, Plain	Sq.m.	282.00
1027(1)	Cement Plaster Finish	Sq.m.	4,470.54
1032(1)a	Painting Works (Masonry/Concrete)	Sq.m.	5,222.82
1032(1)b	Painting Works (Woods)	Sq.m.	99.78
1032(1)c	Painting Works (Steel)	Sq.m.	540.00
1038 (1)	Reflective Insulation	Sq.m.	561.60
1046(2)a2	CHB Non Load Bearing (Include RSB), 125mm	Sq.m.	1,441.82
1047 (2)a	Structural Steel (Trusses)	Kgs	8,706.44
1047 (2) b	Structural Steel (Purlins)	Kgs	2,808.00
1051(6)	Railings	Kg	3,914.47
1100(10)	Conduits, Boxes & Fitting (conduit Works/Conduit Rough-in)	LS	1.00
1101 (33)	Wires & Wiring Devices	LS	1.00
1102(1)	Panel Board with Main & Branch Breakers	LS	1.00
1103(1)	Lighting Fixtures and Lamps	LS	1.00
1200(2)c	Oscillating, Ceiling Fan	Set	60.00
1200 (5) b	Exhaust Fan	Set	36.00
1200(13)	Airconditioning and Refrigeration System	Set	30.00
SPL-1	Furnishing	LS	1.00
B.16	Recognition Plate / Project Marker	LS	1.00

## ***Section VII. Drawings***

*[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]*



## ***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.

# *Bill of Quantities*

Name of Project : **2021-05: Construction of CBE Building for Bayombong Campus**  
 Location : NVSU Bayombong, Nueva Vizcaya  
 Mode of Implementation : Public Bidding  
 Source of Fund : General Fund  
 Number of Calendar Days to Complete: 300 calendar days  
 Approved Budget for Contract : Php35,130,531.84

ITEM	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT COST	AMOUNT
A.1.1(3)	Construction of Field Office for the Engineers	LS	1.00		
B.3	Permit and Clearances	LS	1.00		
B.5	Project Billboard/Sign Board	each	2.00		
B.7(1)	Occupational Safety and Health Program	months	10.00		
B.9	Mobilization and Demolization	LS	1.00		
800(2)	Clearing & Grubbing	LS	1.00		
100(3)a2	Individual Removal of Trees, (301-500mm)	ea.	9.00		
801 (1)	Removal of Structure and Obstruction	LS	1.00		
803(1)a	Structure Excavation (Common Soil)	cu.m.	840.70		
804(1)a	Embankment (from Structure Excavation)	cu.m.	630.52		
804(1)b	Embankment from Common Borrow by Equipment	cu.m.	669.60		
804(4)	Gravel Bedding	cu.m.	113.00		
900(1)c2	Structural Concrete (Footings & Slab On Fill), Class "A", 28 Days	cu.m.	301.91		
900(1)c3	Structural Concrete (Footing Tie Beam),Class "A" 28 Days	cu.m.	40.95		
900(1)a4	Structural Concrete (Columns - Class "A", 28 Days)	cu.m.	144.31		
900(1)c5	Structural Concrete (Suspended Slab/Stairs/gutter), Class "A", 28 Days	cu.m.	194.93		
900(1)c6	Structural Concrete (Beams/Girders),Class "A" 28 Days	cu.m.	131.78		
902(1)a	Reinforcing Steel (Deformed) GR 40	kgs	96,352.56		
903(1)	Formworks or Falsework	LS	1.00		
1000 (1)	Soil Poisoning	Liter	48.00		
1001 (5)b	Catch Basin/Canal, CHB	Sq..	226.00		
1001 (8)	Sewer Line Works	LS	1.00		
1003(2)	6.0mm Fiber Cement Board on Metal Fame Double Wall Partition	set	2.00		
1001 (9)	Storm Drainage & Downspout	LS	1.00		
1002(27)	Plumbing Fixtures	LS	1.00		

1002 (24)	Cold Water Lines	LS	1.00		
1003(1)a1	Ceiling (Metal Frame & Fiber Cement Board)	Sq.m.	512.00		
1003(17)	Carpentry and Joinery Works (Blackboard)	LS	1.00		
1004(2)	Finishing Hardwares	LS	1.00		
1005 (5)	Steel Window (Window Grilles)	Sq.m.	260.20		
1006(1)	Hollow Steel Door	Sq.m.	78.00		
1008	Aluminum/PVC Glass Window (Sliding/Casement/Awning/Fixed Type)	Sq.m.	250.81		
1010 (1)	Frames, Jambs, sills, head, Transom and Mullions	Set	32.00		
1010(2)a	Doors, Flush	Sq.m.	11.40		
1010(2)b	Doors, Wood Panel	Sq.m.	3.78		
1013(2)a2	Fabricated Metal Roofing Accessories, Flashing	Ln.m.	139.20		
1014(1)b2	Prepainted Metal Sheets (Rib Type, Long Span, Above 0.427mm thk)	Sq.m.	528.00		
1016(1)a	Waterproofing, Cement-Base	Sq.m.	381.74		
1018(1)	Glazed Tiles and Trim	Sq.m.	103.19		
1018(2)	Unglazed Tiles and Trim	Sq.m.	1,808.80		
1021(1) a	Cement Floor Finish, Plain	Sq.m.	282.00		
1027(1)	Cement Plaster Finish	Sq.m.	4,470.54		
1032(1)a	Painting Works (Masonry/Concrete)	Sq.m.	5,222.82		
1032(1)b	Painting Works (Woods)	Sq.m.	99.78		
1032(1)c	Painting Works (Steel)	Sq.m.	540.00		
1038 (1)	Reflective Insulation	Sq.m.	561.60		
1046(2)a2	CHB Non Load Bearing (Include RSB), 125mm	Sq.m.	1,441.82		
1047 (2)a	Structural Steel (Trusses)	Kgs	8,706.44		
1047 (2) b	Structural Steel (Purlins)	Kgs	2,808.00		
1051(6)	Railings	Kg	3,914.47		
1100(10)	Conduits, Boxes & Fitting (conduit Works/Conduit Rough-in)	LS	1.00		
1101 (33)	Wires & Wiring Devices	LS	1.00		
1102(1)	Panel Board with Main & Branch Breakers	LS	1.00		
1103(1)	Lighting Fixtures and Lamps	LS	1.00		
1200(2)c	Oscillating, Ceiling Fan	Set	60.00		
1200 (5) b	Exhaust Fan	Set	36.00		
1200(13)	Airconditioning and Refrigeration System	Set	30.00		
SPL-1	Furnishing	LS	1.00		
B.16	Recognition Plate / Project Marker	LS	1.00		

		<b>Total Bid Cost:</b>	<b>Php.</b>	
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**Prepared By:**

\_\_\_\_\_

**Civil Engineer**

**PRC No.:** \_\_\_\_\_

**PTR No.:** \_\_\_\_\_

**Submitted by:**

\_\_\_\_\_

**General Manager/Authorized Representatives**

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS: Construction of Field Office for the Engineer**

**COST SHEET ID: A.1.1(3)**

**QUANTITY : 1.00**

LS

**PRODUCTION RATE**

**NUMBER OF HOURS**

Hr.

A. MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
GI Pipe, 1½"	kg	581.4		
Ø				
Swivel Clamp	pc	120		
Portland Cement, 40kg/bag	bags	4		
Marine Plywood, 3/4" thick	pc	15		
Assorted Lumber, Good Lumber	Bd.ft.	320		
CW Nail, Assorted	kg	8		
Pre-painted Roofing Sheet, 0.5mm thick, Corrugated Type	It shall be provided by NVSU			
Screened Sand, S-1 (included in concrete works)				
<p>All above materials shall be considered as property of the univerty. It shall be turn over to the supply office after completion of the project.</p>				
<p><b>Note:</b> Dimension of Field Office shall be 4.0mx6.0m</p>				
<p>Other fixtures that are essential to the field office shall be provided by the contractor.</p>				
<p>Field Office shall be constructed on areas accessible to every one or adjacent to the bunkhouse. It should be compliance with Covid-19 Safety protocols and other requirements in accordance with COSH. Bunkhouse and barracks shall be constructed at the expenses of the contractor. Barracks shall be provided with water supply, electrical supply, wash area and comfort rooms.</p>				

SUB TOTAL (A)					
B.	LABOR COST	Total Hours		Hourly Rate	Total Cost
		Construction Foreman			
	Carpenter				
	Laborer				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
		Total Days			
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
	<b>TOTAL COST (D+E)</b>				
	<b>UNIT COST</b>				

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Permit and Clearances**

**COST SHEET ID: B.3**

**QUANTITY : 1.00 LS**

**PRODUCTION RATE  
NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	<p>This Includes payment of professional signatures, Building Permit, Ancillary Permits &amp; occupancy permit requirements</p> <p>Building Permit shall be secured first before commencing any construction activity.</p> <p>Permit Number shall be incorporated in the project billboards.</p> <p>The cost shall be based on Bayombong Engineering Office/Building Official.</p> <p>Building Permit shall be process before the advance payment be released.</p> <p>Reproduction of Plans and others documents required for the said permits shall be C/O the contractor.</p> <p>As-built plan with signature of professional shall be submitted at the infrastucture section in two copies aside from the copies for the occupancy permits building before the approval of final billing.</p> <p>All payment shall be shouldred by the contractor.</p>	LS	1		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST			Hourly Rate	Total Cost
	<p>Liaison Officer</p> <p>It shall be the liaison officer who will coordinate to PPSDS for all documents needed and submit to the building officials for the issuance of building permit and occupancy permit.</p>		Total Hours		



SUB TOTAL (B)				
C. EQUIPMENT COST			Hourly Rate	Total Cost
		Total Hours		
SUB TOTAL (C)				
D. TOTAL DIRECT COST (A + B + C)				
E. ADD INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D+E)
				UNIT COST

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Project Billboard/Sign Board

**COST SHEET ID:** B.5

**QUANTITY :** 2.00 each **PRODUCTION RATE**  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Tarpaulin, 4'x8'	pc	2		
	Safety Sign Boards, 3' x 4' - Tarpaulin	pc	4		
	Marine Plywood, 1/4" thick	pc	2		
	G-Melina, Assorted Size	Bd.ft.	100		
	Assorted CW Nails	kg.	2		
	<p>Note:</p> <p>Billboards shall be adopted from the DPWH standard. It shall be installed in a compacious space at the frontage of the building.</p> <p>Safety sign boards shall be provided in all working areas such as in fabrication, installation,etc.</p>				
<b>SUB TOTAL (A)</b>					-
				<b>Hourly Rate</b>	<b>Total Cost</b>
B.	LABOR COST		Total Hours		
	Construction Foreman				
	Skilled Labor - Carpenter				
	Laborer				
<b>SUB TOTAL (B)</b>					

C. EQUIPMENT COST	Total Days	Hourly Rate	Total Cost
Minor Tools (maximum of 10% of Labor)			
<b>SUB TOTAL (C)</b>			
<b>D. TOTAL DIRECT COST (A + B + C)</b>			
<b>E. ADD INDIRECT COST</b>			
	1. OCM		
	2. Contractor's Profit		
	3. VAT		
<b>TOTAL INDIRECT COST</b>			
			<b>TOTAL COST (D+E)</b>
			<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS:** Occupational Safety and Health Program  
**COST SHEET ID:** B.7(1)  
**QUANTITY :** 10.00 months      **PRODUCTION RATE**  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Medical Supplies (i.e. Vitamins, paracetamols, etc.)	set	1		
	Pairs, Rubber Boots Men, Long Steel Toe, Black	pair	40		
	Pairs, Working Gloves (Maong Materials)	pair	40		
	Safety Hard Hats (White, yellow, Red)	set	40		
	Safety Best, approved color.	set	40		
	<p><b>NOTE:</b>                      All workers shall be provided with the above as they go for work.                      Workers with no PPE shall not be allowed to do any construction activities.                      House keeping shall also be performed everyday in all working areas.                      Compliance to the this item shall be monitored by the PPSDS Safety incharge.</p>				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Part Time Safety Practitioner	1			
	<p><b>NOTE:</b>                      The safety officer shall report to the PPSDS office once a week after conducting tool box meeting at all their workforce regarding safety of all labor force as required by DOLE.</p>				

<p>Compliance to Health &amp; Safety protocols against Covid-19 and COSH shall be observed at all times.</p> <p>Certificate and ID of Safety Officer shall be submitted at the office.</p> <p>Safety Officer shall submit weekly accident report.</p> <p>No appearance, No report, No claim for this item.</p>					
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Days</b>		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		<ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Unit Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Mobilization and Demolization

**COST SHEET ID:** B.9

**QUANTITY :** 1.00 LS **PRODUCTION RATE**  
**NUMBER OF HOURS** Hr.

<b>A. MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
<p>NOTE:</p> <p>All materials and equipment to be delivered inside the campus shall be documented and submit listing at the PPSDS office.</p> <p>All personnel to be employed on this project shall be free from Covid-19. Hence, they are required to submit Health Certificate and carry travel/construction pass once they enter to the university.</p>				
<b>SUB TOTAL (A)</b>				
<b>B. LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
<b>SUB TOTAL (B)</b>				
<b>C. EQUIPMENT COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
Use Acel Rate 2019:				
Dumprtruck		1		
Backhoe with Breaker (0.80 cu.m.)		1		
<b>SUB TOTAL (C)</b>				

<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>		
<b>E.</b>	<b>ADD INDIRECT COST</b>		
		1. OCM	(No cost)
		2. Contractor's Profit	(No cost)
		3. VAT	
	<b>TOTAL INDIRECT COST</b>		
			<b>TOTAL COST (D+E)</b>
			<b>UNIT COST</b>

**Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Clearing & Grubbing

**COST SHEET ID:** 800(2)

**QUANTITY :** 1.00 LS

**PRODUCTION RATE**

sq.m./hr

**NUMBER OF HOURS**

Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	<p><b>Scope:</b></p> <p>Clearing of all plants, flowers, ornamental plant and other brushes at the area.</p> <p>Grubbing shall include removal of all stumps. Roots shall be removed to a depth not less 0.45 m below the subgrade.</p> <p>The work also include also includes commplete removal and disposal of all felled trees, brush and stump, etc.</p> <p>This including cleaning of the building after completion and before turnover.</p> <p>All ornamentall plants shall transferred to appropriate area.</p> <p>Area: 15x 60m                      900 Sq.m.</p>				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	<p>Construction Foreman</p> <p>Unskilled Laborers</p>				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	<p>Minor Tools</p>				
<b>SUB TOTAL (C)</b>					



**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Individual Removal of Trees, (301-500mm)

**COST SHEET ID:** 100(3)a2

**QUANTITY :** 9.00 ea.      **PRODUCTION RATE**      ea/hr.  
**NUMBER OF HOURS**      Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	<p>This include cutting and pruning of trees as directed by the supervising engineers.</p> <p>Nylon Rope, 16mm Ø x 200m</p> <p>Trees to cut shall be as directed by the PPSDS office in coordination to the office concern with regards to cutting permit. (College of Forestry building, or VPDIS office)</p> <p><b>Note:</b> All cut trees shall be delivered to the area directed by the university official.</p> <p>Rope shall be turn over to the PPSDS Infrastructure Section.</p> <p>Cut trees shall be sized to 2 ¼" thick and shall be turn over to the university.</p>	roll	1		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	<p>Construction Foreman</p> <p>Skilled Labor</p> <p>Unskilled Labor</p>				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Back Hoe, (0.80 cu.m. capacity) 80% Efficiency	1			
	Chain Saw	1			
	Dump Truck (12 Cu.Yd)	1			
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Removal of Structure and Obstruction

**COST SHEET ID:** 801 (1)

**QUANTITY :** 1.00 LS

**PRODUCTION RATE** LS

**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
<p><b>SCOPE:</b></p> <p>This include demolision of existing structure (portion od Old CMT Building- only one room) . All salvage materials shall be quantify and turnover to the supply office/suppy bodega.</p> <p>Shed structure shall be relocated as shown on plan (SDP). Coordinate to PPSDS prior to relocation.</p> <p>Documentation shall be done before, during and after the removal of structure.</p> <p>Demolition shall only be done after the approval of the end user.</p> <p>All demolision work shall be supervised the site engineer and safety officer.</p> <p>Refer to Site Development Plan.</p>					
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
Construction Foreman Skilled Laborers Laborers					
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
Dump Truck, 5 Cu.m.		1			
Minor Tools		1	LS		

<b>SUB TOTAL (C)</b>	
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>
<b>E.</b>	<b>ADD INDIRECT COST</b>
	1. OCM
	2. Contractor's Profit
	3. VAT
	<b>TOTAL INDIRECT COST</b>
	<b>TOTAL COST (D+E)</b>
	<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING

**PAY ITEMS** : **Structure Excavation (Common Soil)**

**COST SHEET ID:** 803(1)a

**QUANTITY** : 840.70 cu.m.

**PRODUCTION RATE**

Cu.m./hr

**NUMBER OF HOURS**

Hr.

A.	MATERIAL: COST/UNIT				QUANTITY	UNIT PRICE	TOTAL COST
	<b>No.</b>	<b>Depth</b>	<b>Vol.</b>				
<b>F-1</b>	<b>18</b>	2.6	269.57	Cu.m.			
<b>F-2</b>	<b>16</b>	2.6	292.14	Cu.m.			
<b>F-3</b>	<b>13</b>	2.6	163.59	Cu.m.			
	<b>47</b>						
<b>ST</b>		2*4*2*2	32.00	Cu.m.			
<b>WB</b>		1*1*1*16	16.00	Cu.m.			
	<b>Pipe</b>						
	<b>Lines</b>	0.3*.4*20	2.40				
	<b>Canal</b>	65x1x1.0	65.00	Cu.m.			
		Total	840.70	Cu.m.			
<b>Note:</b>	All excavated materials shall be used as fill materials.  it shall be properly stocked pile on appropriate area to avoid falling during rainy days.  Canal shall be located on the front area from existing CBE to Colocol area.						
<b>SUB TOTAL (A)</b>							
B.	LABOR COST				Total Hours	Hourly Rate	Total Cost
	Construction Foreman						
	Unskilled Laborers						
<b>SUB TOTAL (B)</b>							

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Back Hoe,0.80Cu.m. 80% Efficiency	1			
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
					<b>TOTAL COST (D+E)</b>
					<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Embankment (from Structure Excavation)**

**COST SHEET ID: 804(1)a**

**QUANTITY : 630.52 cu.m. PRODUCTION RATE Cu.m./hr**

**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
<b>NOTE:</b>	Interior fill shall be mixed gravel & sand All backfill materials shall be mixed with sand & gravel prior to compaction of all backfill.				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman Laborer				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Plate Compactor, Backhoe (0.80 cu.m.) Minor Tools	1 1 1			LS
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
					<b>TOTAL COST (D+E)</b>
<b>UNIT COST</b>					



**Detailed Units Price Analysis**

**JOB** : **CONSTRUCTION OF CBE BUILDING**  
**PAY ITEMS** : **Embankment from Common Borrow by Equipment**  
**COST SHEET ID:** 804(1)b  
**QUANTITY** : 669.60 cu.m. **PRODUCTION RATE** Cu.m./hr  
**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Mixed Gravel & Sand or approved materials 2.50 cu.m. / T-Load Volume: 535.68 Cu.m. w/ 25% Shrinkage Factor <b>669.6</b>  <b>Note:</b> Ground floor level shall be elevated at an elevation the same with adjacent buildings or at the existing CBE Bulding.  All fill materials shall be thouroughly compacted before pouring concrete on grade slab.  Interior fill shall be mixed gravel & sand  <b>NOTE:</b> All backfill materials shall be mixed with sand & gravel prior to compaction of all backfill.	T-Loads	268.00		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman	1			
	Laborer	8			
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Plate Compactor, 400 - 500 Gasoline Engine	1			
	Backhoe, (0.80cu.m.)	1			
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

**Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Gravel Bedding

**COST SHEET ID:** 804(4)

**QUANTITY :** 113.000 cu.m. **PRODUCTION RATE** Cu.m./hr

**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Gravel Materials, Max. 50mm (Wash)	cu.m	113		
	Column Footing: 30.23				
	Slab on Grade & Tie Beam: 55.20				
	Total 93.97				
	113 Cu.m.				
<b>NOTE:</b>	<p>All footing shall be filled with gravel before placing rebars. Provide concrete spacer with a thickness of 75mm.</p> <p>Spacer shall be with adequate number to hold the footing rebars stable.</p> <p>Footing rebars shall be placed properly as to plan.</p>				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Unskilled Labor				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Plate Compactor, 5 HP	1			
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

Units Price Analysis

JOB : **CONSTRUCTION OF CBE BUILDING**

PAY ITEMS : **Formworks or Falsework**

COST SHEET ID: **903(1)**

QUANTITY :	1	LS	PRODUCTION RATE	Sq.m.
	<b>2,082.64</b>	Sq.m.	NUMBER OF HOURS	Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Phenolic Board, 0.019mx 1.22m x 2.44m	pc	225.00		
	Good Lumber, Assorted	Bd.Ft.	6,000.00		
	CW Nail, Assorted, 25kg /box	Box	4		
	Portable Circular Saw, Bosc	set	1		
	Consumables (pencils, tancy, etc.)	1	LS		
	<p>Scope: Column below floor Line, Tie beam, Column above floor line, 2nd floor beam, 2nd floor slab, column above 2nd floor,</p> <p>3rd floor beam, 3rd floor slab, column above 3rd floor, roof beam, concrete gutter and cantilever slab, etc.</p> <p><b>Note:</b></p> <p>Portable circular saw shall be use for cutting of forms (Phenolic Board) in all phases of concrete works and it shall be turn-over to the infrastructure section w/ certificate of transfer. The said unit shall be brand new, it shall be presented to PPSDS office for recording of serial No.. It shall be makita brand.</p> <p>All lumber after construction shall be turnover to the university.</p>				
SUB TOTAL (A)					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost

<b>Fabrication Installation</b>					
	Construction Foreman	1			
a.	Skilled Laborer	4			
b.	Laborer	6			
Stripping of Forms					
a.	Construction Foreman	1			
b.	Unskilled	6			
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	<b>Scaffolding Rentals (Includes the Following)</b>	<b>1</b>	<b>LS</b>		
a.	H-Frame 1.7m x 1.20, set 2pcs H-frames 2pcs diagonal cross braces 4pcs horizontal braces 8 pcs joint pins	40			
b.	Shoring Jack, 3.8m full extension	80			
c.	Adjustable U-head Jack, 0.6m	80			
d.	Adjustable Base Jack, 0.6m	80			
e.	1 ½" Ø GI Pipe x 6.0m	120			
f.	1 ½" Ø GI Pipe x 3.0m	80			
g.	1 ½" Ø GI Pipe x 4.0m	60			
h.	1 ½" Ø GI Pipe x 1.0	220			
i.	Tie Rod x 0.60m	280			
j.	Round Wing Nut	560			
<b>SUB TOTAL (C)</b>					
D.	TOTAL DIRECT COST (A + B + C)				
E.	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	TOTAL INDIRECT COST				
					TOTAL COST (D+E)
					UNIT COST

Units Price Analysis

JOB : **CONSTRUCTION OF CBE BUILDING**

PAY ITEMS: **Structural Concrete (Footings & Slab On Fill), Class "A", 28 Days**

COST SHEET ID: **900(1)c2**

QUANTITY : **301.91**      **cu.m.**      PRODUCTION RATE      **Cu.m./hr**  
 NUMBER OF HOURS

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40kg/bag	bags	2718		
	Screened & Washed Sand, S-1 - 2.50cu.m/T-Load	T-Load	73		
	Screened & Washed Gravel, G-1 - 2.50cu.m/T-Load	T-Load	136		
	Vol.                  No.				
	F-1                  48.99                  18				
	F-2                  53.09                  16				
	F-3                  29.73                  13				
					47
	Slab on Fill                  60.72                  1				
	Slab in front                  4.80				
	Setic Tank                  4.00				
	CBC                  1.73				
	Road Ent.                  54.00				
	D-Cover                  6.00				
	Canal CHB                  5.40				
	Footing				
	Ramp:                  1.30				
	Entrance:                  2.55	This shall be contracted at the Middle 2 Span.			
	Steps                  2.16	4 run @ 0.30m and 4 @ 0.1875m rise.			
	<b>Total:                  274.46</b> <b>Cu.m.</b>				

Note: All rebars shall maintain a concrete cover by placing of concrete cube spacer.					
SUB TOTAL (A)					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Skilled Laborer				
	Laborer				
SUB TOTAL (B)					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	One- bagger mixer	2			
	Concrete Vibrator	1			
	Power Sprayer	1			
	Note: Power spayer shall be used for cleaning of surfaces to be poured w/ concrete. All debris, loose concrete materials shall be removed before pouring of concrete.				
SUB TOTAL (C)					
D.	TOTAL DIRECT COST (A + B + C)				
E.	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	TOTAL INDIRECT COST				
	TOTAL COST (D+E)				
	UNIT COST				



**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Structural Concrete (Footing Tie Beam),Class "A" 28 Days

**COST SHEET ID:** 900(1)c3

**QUANTITY :** 40.95 cu.m.      **PRODUCTION RATE**      Cu.m./hr  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40kg /bag	bags	369		
	Screened & Washed Sand S-1, 2.5cu.m/T-load	T-load	9		
	Screened & Washed Gravel G-1, 2.50 cu.m/T-Load	T-load	17		
<b>Tie Beam:</b>	L 260* W 0.3* D 0.5*1.05      40.95				
<b>NOTE:</b>	<p>All concrete works with forms shall be provided with concrete spacer or RSB spacer with the allowed concrete cover throughout the surface.</p> <p>All forms shall be placed/installed with proper alignment, free from gaps to avoid leakage of concrete mixture.</p>				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Skilled Laborer (Carpenter/Mason)				
	Laborer				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	One- bagger mixer	2			
	Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS** : Structural Concrete (Columns - Class "A", 28 Days)  
**COST SHEET ID:** 900(1)a4  
**QUANTITY** : 144.31 cu.m.      **PRODUCTION RATE**      Cu.m./hr  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement	bags	1304		
	Screened & Washed Sand, S-1 - 2.50cu.m/T-Load	T-Load	36		
	Screened & Washed Gravel, G-1-2.50cu.m/T-Load	T-Load	66		
	<b>SCOPE:</b>				
	<b>Below 1Flr:</b>				
	C-1,C-2,C-3 0.55*0.55*2.6*47			36.97	
	<b>Below 2Flr:</b>				
	C-1,C-2,C-3 0.45*0.45*3.4*47			36.17	
	<b>Below 3Flr:</b>				
	C-1,C-2,C-3 0.45*0.45*3.2*47			30.74	
	<b>Below rbFlr:</b>				
	C-1,C-2,C-3 0.45*0.45*3*47			28.55	
	<b>Stiffener between door jamb &amp; window jamb:</b>			5.01	
	Stiffener shall be thickness of wall x 0.125m with two 10mm Ø main RSB and 10mm Ø C-bar spaced @ 0.20m o.c.	This include stiffener at the stair frontage.			

<p><b>NOTE:</b> All concrete works with forms shall be provided with concrete spacer or RSB spacer with the allowed concrete cover throughout the surface.</p> <p>All forms shall be placed/installed with proper alignment, free from gaps to avoid leakage of concrete mixture.</p>					
<b>Total:</b>		144.31			
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
Construction Foreman					
Skilled Laborer					
Laborer					
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
One- bagger mixer		2			
Porta Lift, Complete with function motor, cable & bucket		1			
Minor Tools (Maximum of 10% of Laborer)		1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
	<ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>				
	<b>TOTAL INDIRECT COST</b>				
	<b>TOTAL COST (D+E)</b>				
	<b>UNIT COST</b>				

**Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS :** Structural Concrete (Suspended Slab/Stairs/gutter), Class "A", 28 Days  
**COST SHEET ID:** 900(1)c5 Pc/Hr  
**QUANTITY :** 194.93 cu.m. **PRODUCTION RATE** Cu.m./hr  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40kg/bag	bags	1761		
	Screened & Washed Sand, S-1 - 2.50cu.m./T-Load	T-Load	47		
	Screened & Washed Gravel, G-1 - 2.50cu.m./T-Load	T-Load	86		
	Sahara water Proofing Compound, 908g	bags	95		
	Steel Deck, 1.0mm x 0.452m x 3.82m (Verify)	pc	396		
	Steel Deck, 1.0mm x 0.452m x 2.82m (Verify)	pc	216		
	Decking Teckscrew 24mmx20mm, 500pc/box	Box	16		
	Consumables (Fasteners, Screws, etc.)	LS	1		
<b>SCOPE:</b>					
<b>Second Floor Slab</b>	<b>79.09 Cu.m.</b>				
	$(48*11-4*4*2)*0.115+1.2*(50.4*2+11*2)*0.1+(1.75*4*2+3.02*4)*0.15+0.25*0.17*0.5*20*2+8.5*3*.10$				
<b>Third Floor Slab</b>	<b>76.50 Cu.m.</b>				
	$48*11-4*4*2)*0.115+(1.2*(50.4*2+11*2)*0.1)+(1.75*4*2+3.02*4)*0.15+(0.25*0.17*0.5*19)*2)$				
<b>Roof Slab &amp; Gutter</b>	<b>22.76 Cu.m.</b>				
	$(50.4*0.6+50.4*2*0.35+0.65*2)*0.12+(1.2*(50.4*2+11*2)*0.1),2)$				
<b>Stairs:</b>					

	7.2					
	4.5					
<b>Landing</b>	3.6					
<b>Landing Beam:</b>	1.28					
<b>NOTE:</b>	<p>All concrete works with forms shall be provided with concrete spacer or RSB spacer with the allowed concrete cover throughout the surface.</p> <p>All forms shall be placed/installed with proper alignment, free from gaps to avoid leakage of concrete mixture.</p> <p>This include installation of Steel Deck. Deck shall be securely placed complete w/ screws and other fastener.</p>					
<b>SUB TOTAL (A)</b>						
<b>B.</b>	<b>LABOR COST</b>			<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	<p>Construction Foreman</p> <p>Skilled Labor</p> <p>Unskilled Laborer (add additional cost for hauling)</p>					
<b>SUB TOTAL (B)</b>						
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	<p>One- bagger mixer</p> <p>Minor Tools (Include Portalift)</p> <p>Includes rentals for portalift</p>					
		2				
		1				
<b>SUB TOTAL (C)</b>						
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>					
<b>E.</b>	<b>ADD INDIRECT COST</b>					
	<p>1. OCM</p> <p>2. Contractor's Profit</p> <p>3. VAT</p>					
	<b>TOTAL INDIRECT COST</b>					
	<b>TOTAL COST (D+E)</b>					
	<b>UNIT COST</b>					

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS :** Structural Concrete (Beams/Girders),Class "A" 28 Days  
**COST SHEET ID:** 900(1)c6  
**QUANTITY :** 131.782 cu.m. **PRODUCTION RATE** Cu.m./hr  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement	bags	1190		
	Screened & Washed Sand, S-1 - 2.50cu.m./T-Load	T-Load	35		
	Screened & Washed Gravel, G-1 - 2.50cu.m/T-Load	T-Load	58		
Scope:					
Second Floor	this include CB @ the entrance.				
	<b>32.2 Cu.m.</b>				
	$(3.55*12*3*0.25*0.65)+((3.55*2+7.55*5)*0.3*0.65)+$				
	$((3.55+3.55)*0.2*0.4)+((3.75+3.75)*0.15*0.65)+.25*$				
	$5*3*2+.15*8.5*.5$				
	<b>23.075 Cu.m.</b>				
	$(3.55*2*4+2.55*1*4+1.2*1*4)*0.25*0.65+$				
	$(3.55*2*4+2.55*1*4)*$				
	$0.25*0.65+(7.55*1*5+2.45*1*5)*0.3*0.65$				
Third Floor					
Longitudinal:	<b>28.486 Cu.m.</b>				
	$(3.55*12*3*0.25*0.6)+((3.55*2+7.55*5)*0.3*0.6)+$				
	$((3.55+3.55)*0.2*0.4)+$				
	$((3.75+3.75)*0.15*0.6)$				
Trans.:	<b>21.3 Cu.m.</b>				
	$(3.55*2*4+2.55*1*4+1.2*1*4)*0.25*0.6+$				
	$(3.55*2*4+2.55*1*4)$				
	$*0.25*0.6+(7.55*1*5+2.45*1*5)*0.3*0.6$				
Roof Beam					
Long.	<b>15.84225 Cu.m.</b>				

	$(3.55*12*3)*0.25*0.45+(3.55*2)*0.3*0.45+$ $(3.75+3.75)*0.15*0.45$ <b>Trans.: 10.87875 Cu.m.</b> $(3.55*2*4+2.55*1*4+1.2*1*4)*0.25*0.45+$ $(3.55*2*4+2.55*1*4)*0.25*$ $0.45+(2.45*1*5)*0.3*0.45$  All concrete works with forms shall be provided with concrete spacer or RSB spacer with the <b>NOTE:</b> allowed concrete cover throughout the surface.  All forms shall be placed/installed with proper alignment, free from gaps to avoid leakage of concrete mixture.				
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Leadman	1			
	Skilled	3			
	Laborers	12			
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	One- bagger mixer	1			
	Minor Tools (maximum 10% Labor Cost)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
					<b>TOTAL COST (D+E)</b>
					<b>UNIT COST</b>



**Detailed Units Price Analysis**

**JOB :CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS :** Reinforcing Steel (Deformed) GR 40

**COST SHEET ID:** 902(1)a

**QUANTITY :** 96,352.56 kgs                      **PRODUCTION RATE**                      kg./hr  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Reinforcing Steel Bars (see below for the breakdown)		kg		
			96,352.56		
	Tie Wire, # 16		kg		
			2,409.00		
<b>SCOPE:</b>					
Footings:					
	16mm x 9m                      126      1790.586				
	16mm x 7.5m                      160      1894.8				
	16mm x 6m                      113      1070.562				
Columns:	<b>4,755.95</b>				
	20mm x 7.5m                      1034      19,131.59	@7.50	47		
	10mm x 6m                      2340      8,648.64			#REF!	
	This includes dowels for CHB Wall.			#REF!	
		@ 7.50m	47		
				#REF!	
Tie Beams:	<b>27,780.23</b>				
	20mm x 12m                      216      6,394.46	@ 3.75	47		
	20mm x 9m                      12      266.44			#REF!	
	20mm x 7.5m                      18      333.05			#REF!	
	20mm x 6m                      6      88.81			#REF!	
	12mm x 6m                      100      532.80				
	10mm x 6m                      434      1,764.47				
	<b>9,380.03</b>				
2FB					
	20mm x 12m                      246      7,282.58				
	20mm x 9m                      4      88.81				
	20mm x 7.5m                      24      444.06				
	20mm x 6m                      94      1,391.39				
	16mm x 12m                      36      682.13				

	16mm x 9m	8	113.69				
	16mm x 7.5m	16	189.48				
	16mm x 6m	208	1,970.59				
	12mmx 7.50m	8	53.28				
	12mm x 6m	103	548.78				
	10mm x 6m	1019	3,954.54				
<b>3FB</b>			<b>16,719.33</b>				
	20mm x 12m	168	4,973.47				
	20mm x 9m						
	20mm x 7.5m	24	444.06				
	20mm x 6m	78	1,154.56				
	16mm x 7.5m	32	378.96				
	16mm x 6m	260	2,463.24				
	12mmx 7.50m	8	53.28				
	12mm x 6m	121	644.69				
	10mm x 6m	1049	4,070.96				
<b>RB</b>			<b>9,209.74</b>				
	16mm x 12m	78	<b>1,477.94</b>				
	16mm x 9m	10	<b>142.11</b>				
	16mm x 7.5m	60	<b>710.55</b>				
	16mm x 6m	42	<b>397.91</b>				
	12mmx 9m	8	<b>63.94</b>				
	12mm x 6m	190	<b>1,012.32</b>				
	10mm x 6m	487	<b>1,799.95</b>				
<b>NOTE:</b>							
All quantities of rebar shall be subject to adjustment base on actual installed.							
<b>SLAB:</b>			<b>5,604.72</b>				
1Sl	10mm x 6m	752	<b>2,779.39</b>				
2flr	12mm x 7.5m	180	1198.8				
	12mm x 6m	609	<b>3,244.75</b>				
	10mm x 7.5m	180	<b>831.60</b>				
	10mm x 6m	609	<b>2,250.86</b>				
3flr	12mm x 7.5m	180	<b>1,198.80</b>				
	12mm x 6m	609	<b>3,244.75</b>				
	10mm x 7.5m	180	831.6				
	10mm x 6m	609	2363.4072				

<b>Gslab</b>	10mm x 6m	200	739.2			
<b>Per. Cant. Slab</b>	10mm x 6m	250	924			
<b>TW</b>	10mm x 6m	393	1525.1544			
<b>Stair &amp; Landing:</b>						
	12mm x 6m	160	591.36			
	10mm x 6m	106	411.3648			
<b>Stiffeners:</b>			<b>22,135.05</b>			
<b>1st</b>	12mm x 6m	12	63.936			
<b>2nd</b>	12mm x 6m	14	74.592			
<b>3rd</b>	12mm x 6m	14	74.592			
			<b>213.12</b>			
<b>Canal Cover and footing</b>			<b>554.4</b>			
<b>NOTE:</b>	<p>All RSB to be furnished shall be free from damage, rust and other imperfection.</p> <p>All RSB shall be as to size indicated. All changes shall be subject for approval of the designer.</p> <p>All RSB from 12mm Ø above shall be grade 40 (275MPa) with compliance to DTI certification.</p> <p>Upon delivery of all RSB, it shall be accompanied by mil certificate.</p> <p>All rebar arrangement shall be referred to the designer including splicing zone.</p> <p>Running board shall be first setup before placing rebars on beams.</p> <p>Rebars concrete cover shall be in accordance with NSCP 2015.</p> <p>Concrete spacer shall be provided to bottom and side forms.</p>					
	Sub Total (A)	Total	<b>96,352.56</b>			
<b>B.</b>	<b>LABOR COST</b>			<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Construction Foreman					
	Skilled Labor/Steelman					
	Laborer (include labor for lifting to 2nd & 3rd flr)					
<b>SUB TOTAL (B)</b>						

C.	EQUIPMENT RENTAL COST			Hourly Rate	Total Cost
			Total Hours		
	Bar Cutter	1.00			
	Bar Bender	1.00			
	<b>Rental of Scaffolding are included Forms &amp; False Work.</b>				
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
					<b>TOTAL COST (D+E)</b>
					<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Soil Poisoning**

**COST SHEET ID:** 1000 (1)

**QUANTITY:** 48.00 Liter

**PRODUCTION RATE**

Lit./hr

**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Termite Control (Hometrek) Coverage: 12.5 Sq.m./Liter  Area= 528 Sq.m.  NOTE: Mix 2 liters of Hometrek* TC and 100 liters of water. Apply an overall treatment under entire surface of floor slab including porch floors and entrance platform at the rate of 4 liters solution per square meter. If fill is washed gravel or other coarse material, apply at the rate of 7 liter solution per square meter.  NOTE:	Liter	42.00		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman Skilled Laborer Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Minor Tools (Maximum 10 % of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

**Detailed Units Price Analysis**

**JOB :CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Catch Basin/Canal, CHB**

**COST SHEET ID: 1001 (5)b**

**QUANTITY : 226.00 Sq..**

**PRODUCTION RATE**

ea/Hr.

**NUMBER OF HOURS**

ea

A.	MATERIAL: COST/UNIT			QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40 kg/bags		bags	302		
	CHB, 5"		pcs	1803		
	RSB, 10mm Ø		kgs	760.3904		
	Tie Wire		kgs	20		
	<b>Scope:</b>					
	Construction of 1m wide x 1m depth catch/canal basin with cover of					
	reinforce concrete 0.10m thick. Concrete cover					
	shall be constructed on existing pavement to minimize the use of forms					
	& placed on CB when cured.					
	It shall be constructed					
	No. CB					
	<b>CHB Area:</b>	96	24	96		
	<b>CHB Footing:</b>	2.88	24			
	<b>CB Cover:</b>	2.4	24	5.28		
	<b>CHB RSB:</b>	141.9264	24			
	<b>CB Cover RSB:</b>	147.84	24	760.3904		
	<b>Canal</b>	130				
	<b>Canal Cover</b>	6.5				
<b>SUB TOTAL (A)</b>						

B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman Mason Laborers  Note: Excavation is included in item 803(1)a				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (Maximum 10 % of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			



**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING

**PAY ITEMS** : Sewer Line Works

**COST SHEET ID:** 1001 (8)

**QUANTITY** : 1.00 LS  
124 m

**PRODUCTION RATE**  
**NUMBER OF HOURS**

Unit/Hr.  
Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	4" diameter uPVC pipe S 1000 (atlanta)	pc	20		
	4" diameter uPVC CO with plug S 1000 (atlanta)	pc	8		
	4" diameter uPVC Elbow S 1000 (atlanta)	pc	10		
	4" x 2" diameter uPVC Tee reducer S 1000 (atlanta)	pc	4		
	4" diameter uPVC Bend with plug S 1000 (atlanta)	pc	8		
	4" diameter uPVC Wye S 1000 (atlanta)	pc	12		
	4" diameter uPVC Socket S 1000 (atlanta)	pc	6		
	4" x 2" diameter uPVC Wye reducer S 1000 (atlanta)	pc	4		
	4" diameter uPVC Tee S 1000 (atlanta)	pc	3		
	2" diameter uPVC Pipe S 1000 (atlanta)	pc	42		
	2" diameter uPVC CO with plug S 1000 (atlanta)	pc	6		
	2" diameter uPVC Elbow S 1000 (atlanta)	pc	28		
	2" diameter uPVC Tee S 1000 (atlanta)	pc	14		
	2" diameter uPVC Bend with plug S 1000 (atlanta)	pc	10		
	2" diameter uPVC Wye S 1000 (atlanta)	pc	21		
	2" diameter uPVC P-trap with plug & seal S 1000 (atlanta)	pc	16		
	2" diameter uPVC socket S 1000 (atlanta)	pc	4		
	uPVC solvent	Can	12		
	Mics. (pipe clamp, hangers; pipe support system)	LS	1		
<b>SUB TOTAL (A)</b>					

B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman/Master Plumber Plumber Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D. TOTAL DIRECT COST (A + B + C)</b>					
<b>E. ADD INDIRECT COST</b>					
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
<b>TOTAL INDIRECT COST</b>					
<b>TOTAL COST (D+E)</b>					
<b>UNIT COST</b>					

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : 6.0mm Fiber Cement Board on Metal Fame Double Wall Partition**

**COST SHEET ID: 1003(2)**

**QUANTITY : 2.00 Sq.m. PRODUCTION RATE Unit/Hr.**  
**0 m NUMBER OF HOURS Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Fabrication and Installation of metal framed Panel complete w/ 6mm thick (Back to Back) Fiber Cement Board securely anchored (use Dyna Bolt) on wall with angle bracket (6pc/panel). Panel shall be completely finish with aluminum gloss paints. Frames shall be 2mmx 5mm x25mm Tubular Panel shall be 0.40m x 1.0m - 2 sets  <b>Scope:</b> partition wall of Urinal	set	2		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Include in the material Cost				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Included in the material cost				
<b>SUB TOTAL (C)</b>					

<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>		
<b>E.</b>	<b>ADD INDIRECT COST</b>		
		1. OCM	
		2. Contractor's Profit	
		3. VAT	
	<b>TOTAL INDIRECT COST</b>		
			<b>TOTAL COST (D+E)</b>
			<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Storm Drainage & Downspout

**COST SHEET ID:** 1001 (9)

<b>QUANTITY :</b>	1.00	LS	<b>PRODUCTION RATE</b>	Unit/Hr.
		108 Ln.m.	<b>NUMBER OF HOURS</b>	Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	4" Ø uPVC Pipe S1000	pcs	36		
	uPVC Solvent Cement, 400 cc	cans	5		
	3mm x 38 mm Flat Bar Clamp Holder w/ Nut & Bolt	set	30		
	4" Ø uPVC Cleanout with plug S 1000	pcs	4		
	4" Ø uPVC Tee S1000	pcs	5		
	4" Ø uPVC Bend,	pcs	8		
<b>delete</b>	Plastic Rain Water Collector Tank, 2000 gal				
	Miscellaneous (Fabricated Clamp, etc.)	LS	1		
<b>Scope:</b>	Includes erection and dismantling of scaffoldings, fabrication of flat bar clamps and installation of downspout securely placed on column with expansion bolt.				
	Installation of rain water collector tank with complete accessories. Tank shall be connected from the downspout and attach to the water line of Water Closets and garden/landscape drip irrigation.				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman				
	Plumbers				
	Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (10% of Labor Cost)	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		<ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB** : **CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS** : **Plumbing Fixtures**

**COST SHEET ID:** 1002(27)

**QUANTITY** : 1.00 LS  
96 set

**PRODUCTION RATE** Set/Hr.  
**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Closed Coupled Water Closet, CS6815N - Titan	set	8		
	Lavatory w/ short pedestal - (Titan, complete w/ acc.)	set	2		
	Urinals, Kohoutek - U28 Hcg (complete w/ flush valve)	set	3		
	Hand Bidet, (1X Hand Held Bathroom Toilet ABS Bath Bidet Diaper Shower Head Spray Sprayer)	Set	8		
	Faucets,Cuff single handle wall-mount kit. Faucet-kohler	set	14		
	Stainless Grab Handrail (as per sample)-concealed mount	set	2		
	Stainless Steel D-87 Floor drain	set	20		
	Angle Valve, 1/2" Ø -WC	set	8		
	Water Meter, Great Volume-32mm Ø	set	1		
	Hose Bibb	set	2		
	Flexible Hose Brass , 1/2" Ø (POZZI JY-5)	set	8		
	Soap Holder, BA 31-Titan	set	10		
	Paper Holder, BA 38-Titan	set	10		
	Consumables (Teflon tapes, sealant, etc.)	LS	1		
<b>Note:</b> All fixtures shall be as specified unless certificate of non availability is submitted before using other brand. This include provision for wash area in compliance to Covid-19 health safety protocols.					
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Plumber				
	Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (maximum of 10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			



**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Cold Water Lines

**COST SHEET ID:** 1002 (24)

<b>QUANTITY :</b>	1.00 LS	<b>PRODUCTION RATE</b>	Unit/Hr.
	168 Ln.m.	<b>NUMBER OF HOURS</b>	Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	32mm Ø PP-R Pipe (fro Tapping point to building end)	pc	20		
	25mm Ø PP-R Pipe	pc	8		
	20mm Ø PP-R Pipe	pc	14		
	PPR Gate Valve, 32mm Ø	set	2		
	PPR Gate Valve, 25mm Ø	set	4		
	Tee Reducer, 32mmx25mm	pc	4		
	Tee Reducer, 25mmx20mm	pc	24		
	Elbow Reducer, 32mm x 25mm Ø	pc	2		
	End Cap, 32mm Ø	pc	1		
	End Cap, 25 mm Ø	LS	2		
	End Cap, 20 mm Ø	LS	21		
	Coupling, 32mm Ø	pc	24		
	PPR Tee Adapter, 20mm Ø	pc	13		
	Elbow Adapter, 20mm Ø	pc	12		
	Fusion machine, Complete set (20, 25, 32mm Ø)	set	1		
	uPVC Pipe Cutter, Tolsen	set	1		
	Miscellaneous (fittings, etc.)	LS	1		
	<b>Note:</b> All PPR-Pipe shall be PN 20				
	Fusion Machine shall be turn over to the PPSDS with Certificate of acceptance.				
<b>SUB TOTAL (A)</b>					
B.	<b>LABOR COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
	Construction Foreman				
	Plumber				
	Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (10% of Labor Max.)	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Ceiling (Metal Frame & Fiber Cement Board)

**COST SHEET ID:** 1003(1)a1

**QUANTITY :** 512.00 Sq.m.      **PRODUCTION RATE** Sq.m./Hr.  
**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Cement Fiber Board, 1/4" thick x 4' x 8'	pcs	200		
	Metal Furring, 0.8mmx12mmx50mm, 5m	pcs	264		
	Primer Channel, 0.8mm x 12mmx 38mm, 5m	pcs	148		
	W-Clip, 10pc/set	set	450		
	C-Purlins, 1.5mmx50mmx100mm x 6m	pcs	30		
	Wall Angle, 0.8mm x 38mmx38mm,5m	pcs	65		
	Colonial Casing, 1" x2"x10 Ft.	pcs	65		
	Tox Screw,	pcs	4800		
	Blind Rivet, 1/8" x 3/4" - 1000pc/box	box	24		
<p><b>NOTE:</b> C-purlins shall be placed at every 2400mm along length of the building. It shall be placed above the Top Chord. This shall be use as anchorage of carrying channel ceiling hanger. Carrying Channel shall be perpendicular to the c-purlins and it shall be place below it with spacing of 2 ft (61cm) Metal furring shall be spcaced @ 16 inches perpendicular to the carrying channel. Place Metal furring at the joint of sheating. Refer to PPSDS prior to the installation of ceiling materails.</p>					
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Skilled Worker/Carpenter				
	Unskilled Labor				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (10% of Labor Max.)	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Carpentry and Joinery Works (Blackboard)

**COST SHEET ID:** 1003(17)

<b>QUANTITY :</b>	1.00	LS	<b>PRODUCTION RATE</b>	LS
	5 set per floor level		<b>NUMBER OF HOURS</b>	Hr.

<b>A.</b>	<b>MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
	Fabrication and installation of fixed black board 4' x 16' framed with tubular (1.5mm x 50mm x 50mm) complete with Sliding White Board (4' x 8') framed with (1" x 2") attached to the fixed black board with bearing roller.(refer to PPSDS for additional Details)  Materials per set <b>2</b> Marine Plywood, 6mm thick x 4' x 8' <b>1</b> White Board <b>4</b> 1.5mm x 2" x 2" Tubular <b>2</b> 1.50mm x 1" x 2" Tubular <b>36</b> Dyna Bolt or placed dowels during CHB layout. <b>3</b> Bearing, 1 ½" Ø Screw, Blind Rivet, etc.  Paints (Flat Wall, green board paints, Putty, metal primer and other consumables)	set	15		
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Included in the material cost.				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Included in the material cost.				
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Finishing Hardware**

**COST SHEET ID: 1004(2)**

**QUANTITY : 1.00 LS**

**PRODUCTION RATE**

LS

**NUMBER OF HOURS**

Hr.

A.	MATERIAL: COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
	Security Padlock (Abloy PL320/20 High Security Padlock)	pcs	32		
	Barrel Bolts (Fabricated)	set	64		
	Slide Bolt Gate Latch Heavy Duty Premium Safety Stainless Steel Barrel Bolt. For CR Door.	set	6		
	Door Closer, Yale Heavy Duty Hydraulic DC 60kg	set	32		
	Door Knobs, Yale Standard Duty Cylindrical Entrance Knobsets	set	32		
	Butt Hinges, 3" x 4" x 3mm with screw	pc	8		
	Cylindrical Hinges, 3/4" Ø - 4pc/door	set	120		
	Powerhouse Double Action Spring Hinges 3 with Screw	set	12		
	Steel Drop Door Handles, 150mm L	set	32		
	Stainless grab bar, for PWD, L-shape 3 anchorage per set.	set	2		
<b>Note:</b> All hardwares shall be as specify. Subtitution shall not be allowed unless approved.					
	Fabricated Barrel bolts shall be made of 10mm Ø plain round bar on flat bar. See sample.				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Labor Cost are included in doors and window works and other fabricaded materials.				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost

<b>SUB TOTAL (C)</b>	
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>
<b>E.</b>	<b>ADD INDIRECT COST</b>
	1. OCM
	2. Contractor's Profit
	3. VAT
	<b>TOTAL INDIRECT COST</b>
	<b>TOTAL COST (D+E)</b>
	<b>UNIT COST</b>



**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Steel Window (Window Grilles)**

**COST SHEET ID: 1005 (5)**

<b>QUANTITY :</b>	30.00	pcs	<b>PRODUCTION RATE</b>	pcs/Hr.
	260.2	Sq.m.	<b>NUMBER OF HOURS</b>	Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
<b>Scope</b>	Fabricated Window grilles framed w/ Flat Bar (4mm x 1" standard) and 12mm Square bar standard space @ 0.125m (verical) & @0.40m (Horizontal). Primer painted	SQ.m.	103.95		
	Welding Rod, E6013	box	5		
	Grey Tox Wall Plug w/ screw-Concrete Set, 50x	pcs	480		
	Consumables (Paint Brush, Grinding Disc, etc.)	LS	1		
<b>SCOPE:</b>	Area				
<b>W-1</b>	122.4	34			
<b>W-1a</b>	18.9	6			
<b>W-2</b>	90	30			
<b>W-3</b>	1.6	4			
<b>W-4</b>	15.3	4			
<b>W-5</b>	12	12			
	<b>260.2</b>	<b>Sq.m.</b>	<b>90</b>		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Labor for Installation only:				
	Construction Foreman				
	Welder				
	Laborers				

<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
	Welding Maschine	1			
	Minor Tools (maximum 10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	<b>ADD INDIRECT COST</b>				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Hollow Steel Door**

**COST SHEET ID: 1006(1)**

**QUANTITY : 78.00 Sq.m.      PRODUCTION RATE      Sq.m./Hr.**  
**NUMBER OF HOURS      Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
<b>D-1    30</b>	Fabricated Hollow Steel Door complete with	Sq.m.	78		
<b>78.0   Sq.m</b>	transom (1/4" Clear Glass). Door shall be Gauge 18 back to back framed with 2mmx50mmx50mm Tubular.				
	Consumables (paints, brush, sand paper, etc.)	LS	1		
<b>Note:</b>	<p>Jamb shall be 1.50mm x 50mm x150mm Steel Section (Open Back &amp; Tubular)</p> <p>All connection shall be fully weld. Jamb shall be fixed with RSB dowels to every sides. Use 3/4"Ø Cylindrical</p> <p>Hinges properly welded on jamb and door. Padlock shall be PL 341/25</p> <p>Lock set, barrel bolt, Padlock, hinges, door handle, etc. are included in Item 1004 (2).</p> <p>Door frames height shall be divided into 6 space/or horizontal frame shall be spaced at 0.333m o/c.</p>				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Labor for Installation Only: Construction Foreman Skilled Worker, Welder Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Welding Machine	1			
	Minor Tools (maximum 10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
	<b>UNIT COST</b>				

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Aluminum/PVC Glass Window (Sliding/Casement/Awning/Fixed Type)**

**COST SHEET ID: 1008**

**QUANTITY : 250.81 Sq.m. PRODUCTION RATE Sq.m./Hr.**

**NUMBER OF HOURS Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Fabrication and Installation of:				
	PVC Framed Sliding Window complete w/ 1/4" thick Colored Class, Locksets, and other accessories.	Sq.m.	203.4		
	PVC Framed Awning Window with fixed glass complete w/ 1/4" thick Colored Glass, Lockset, and other accessories.	Sq.m.	47.41		
	<b>Include 2 set D-3:</b>				
	Aluminum Framed Sliding Window complete with lockset and other accessories.	Sq.m.	20.16		
	<b>NOTE:</b>				
	Window Jamb shall be 50mmx100mm PVC/Aluminum.				
	Windows shall be provided with DIY Bug Mosquito Insect Door Window Net Mesh				
	<b>Scope:</b>				
	<b>W-1</b> W2.40xH1.50m 34 sets	122.4			
	<b>W-1a</b> W2.40xH1.125m 6 sets	16.2			
	<b>W-2</b> W1.80xH1.50m 30 sets	81			
	<b>W-3</b> W1.70xH1.15m 2 Sets	3.91			
	<b>W-4</b> W1.70xH2.25m 4 sets	15.3			
	<b>W-5</b> W0.5xH2.0m 12 sets	12			
	<b>Area= 250.81</b>				
<b>SUB TOTAL (A)</b>					

B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Included in the material cost				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Included in the material cost	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D+E)</b>					
<b>UNIT COST</b>					

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Frames, Jambs, sills, head, Transom and Mullions

**COST SHEET ID:** 1010 (1)

<b>QUANTITY :</b>	32.00	Set	<b>PRODUCTION RATE</b>	Set/Hr.
			<b>NUMBER OF HOURS</b>	Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Fabrication and Installation of: Steel Door Jamb with Transom, 0.90m x 2.50m	sets	30		
	Welding Rod, E6013	box	3		
	Epoxy Metal Primer, Gray	gal	12		
	Consumables, (RSB Scrap, Paint Brush, etc.)	LS	1		
<b>NOTE:</b>	All steel jambs shall be securedly anchored on CHB/Column Dowels. It shall be filled with concrete throughout its lengths. Jamb shall be 1.5mmx50mmx100mm				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Carpenter/Welder				
	Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			



**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Doors, Flush

**COST SHEET ID:** 1010(2)a

**QUANTITY :** 11.40 Sq.m.

**PRODUCTION RATE** Sq.m./Hr.

**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Flush Door, framed w/ Tanguile or Equivalent Marine Plywood Sheating back to back. Provide flat bar (4mm x 50mm) framed vent on the lower portion. Doors shall be attached with heavy duty hinges (3pc/door) and Lock set (2sets) This include door jambs and anchorage, etc.	Sq.m.	11.4		
6 set	0.75m x 1.60m	7.2 Sq.m.			
2 set	1.0m x 2.10 (verify)	4.2 Sq.m.			
		<b>11.4 Sq.m.</b>			
	<b>Scope:</b> Comfort Room Doors. 0.75m x 1.50m				
<b>SUB TOTAL (A)</b>					
				<b>Hourly Rate</b>	<b>Total Cost</b>
B.	<b>LABOR COST</b>		<b>Total Hours</b>		
	For Installation only Construction Foreman Welder Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		<ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Doors, Wood Panel**

**COST SHEET ID: 1010(2)b**

**QUANTITY : 3.78 Sq.m. PRODUCTION RATE Sq.m./Hr.  
NUMBER OF HOURS Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Panel Door (Tanguile/ Equivalent) on wooden Jamb (Tanguile/Equivalent, 2"x5") with transom Use 1/4" thick clear glass with wooden clip Doors shall be provided with 4 set - 3" x 4" heavy duty hinges. <b>Scope:</b> Panel door at the CR Entrance (2 sets)	Sq.m.	3.78		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman Carpenter Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

**Detailed Units Price Analysis**

**JOB:** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Fabricated Metal Roofing Accessories, Flashing

**COST SHEET ID:** 1013(2)a2

**QUANTITY :** 139.20 Ln.m.                      **PRODUCTION RATE** Ln.m./Hr.  
**NUMBER OF HOURS** Hr.

<b>A.</b>	<b>MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
	Pre-painted Side/End Flashing, 0.50 mm thick	Pcs	58		
	Teckscrew	Pcs	150		
	Blind Rivet, 1/8" x 1" ) 500pc/box	box	2		
	Miscellaneous(Sealant, other Fasteners, etc)	LS	1		
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
	Construction Foreman				
	Tinsmith				
	Laborers				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
	Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D. TOTAL DIRECT COST (A + B + C)</b>					
<b>E. ADD INDIRECT COST</b>					
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
<b>TOTAL INDIRECT COST</b>					
					<b>TOTAL COST (D+E)</b>
<b>UNIT COST</b>					

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Pre-painted Metal Sheets (Rib Type, Long Span, Above 0.427mm thk)

**COST SHEET ID:** 1014(1)b2

**QUANTITY :** 528.00      Sq.m.    **PRODUCTION RATE**    Ln.m/Hr.

**NUMBER OF HOURS**    Hr.

<b>A.</b>	<b>MATERIAL: COST/UNIT</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
	Pr-painted Metal Sheets, Double Rib Type 0.50 mm thick x 0.945 Effective Width (8.4m & 2.40m)	Ln.m	528	
	Tekscrew, #12/65 (500pc/box)	box	12	
	Toks w/ Screw as per sample	pcs	342	
	Aluminum Blind rivet, 1/8" x1/2"	box	5	
	Consumables (Sealant, Aluminum Tape, etc.)	LS	1	
<b>SUB TOTAL (A)</b>				
<b>B.</b>	<b>LABOR COST</b>	<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Construction Foreman			
	Tinsmith			
	Laborers			
<b>SUB TOTAL (B)</b>				
<b>C.</b>	<b>EQUIPMENT COST</b>	<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Minor Tools (10% of Labor) This include rentals of all tools and equipment's	1.00	LS	
<b>SUB TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>E. ADD INDIRECT COST</b>				
	1. OCM			
	2. Contractor's Profit			
	3. VAT			
<b>TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D+E)</b>				
<b>UNIT COST</b>				

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Waterproofing, Cement-Base**

**COST SHEET ID: 1016(1)a**

**QUANTITY : 381.74 Sq.m.**

**PRODUCTION RATE**

Sq.m./Hr.

**NUMBER OF HOURS**

Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Water Proofing Membrane(Primero Pro Deck)	gal	77		
	Paint Roller, 7"	set	8		
	Paint Brush, 3"	pcs	6		
	Consumables	LS	1		
	<b>Scope:</b>				
	Concrete gutter flooring and side wall.				
	Roof Deck Cantelever slab, and perimeter side wall.				
	<b>Gutter Floor: 37.8</b>				
	<b>Gutter Side Wall: 30.798</b>				
	<b>RD Cantelever Slab: 128.94</b>				
	<b>Parapet Wall: 184.2</b>				
	<b>TOTAL: 381.738</b>				
	<b>Note:</b>				
	Application shall be done on the concrete gutter.				
	Concrete gutter surface should be free from loose sand & other foreign materials before applying water proofing.				
	Gutter surface shall be subject for inspection prior to application of water proofing.				
	Water Roofing shall be 2 coatings. (5 Sq.m./4kg)				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman				
	Skilled Labor				
	Unskilled Labor (with additional for hauling of materials)				
<b>SUB TOTAL (B)</b>					

C. EQUIPMENT COST			Hourly Rate	Total Cost
	Total Hours			
Minor Tools(Max 10% of labor)	1	LS		
<b>SUB TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>E. ADD INDIRECT COST</b>				
	1. OCM			
	2. Contractor's Profit			
	3. VAT			
<b>TOTAL INDIRECT COST</b>				
	<b>TOTAL COST (D+E)</b>			
	<b>UNIT COST</b>			



**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING

**PAY ITEMS** : Glazed Tiles and Trim

**COST SHEET ID:** 1018(1)

**QUANTITY** : 103.19 Sq.m.

**PRODUCTION RATE**

Sq.m./Hr.

**NUMBER OF HOURS**

Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Glazed Tiles, 40cm x40cm (approved Color)	pcs	710		
	Portland Cement, 40kg/bag	bags	24		
	Tile Adhesive, ABC - 25kg/bag	bags	18		
	Fined Sand, wash sand	Cu.m.	2		
	Tile Grout, Approved Color	bags	15		
	Tile Trim, approved color	pc	30		
	Consumables	LS	1		
	<b>Scope:</b>				
	CR Wall Tiles: <b>98.64</b>				
	Lav.: <b>4.55</b>				
			<b>103.19</b>		
		Sq.m.			
	Wall Length				
	<b>31</b> m				
Tiles Quantities shall be subject to actual installed/placed					
<b>SUB TOTAL (A)</b>					
				<b>Hourly Rate</b>	<b>Total Cost</b>
B.	<b>LABOR COST</b>		<b>Total Hours</b>		
	Construction Foreman				
	Tile Setter				
	Laborers				
<b>SUB TOTAL (B)</b>					

C. EQUIPMENT COST			Hourly Rate	Total Cost
		Total Hours		
Minor Tools (Maximum 10% of Labor Cost)	1	LS		
<b>SUB TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>E. ADD INDIRECT COST</b>				
		1. OCM		
		2. Contractor's Profit		
		3. VAT		
<b>TOTAL INDIRECT COST</b>				
			<b>TOTAL COST (D+E)</b>	
			<b>UNIT COST</b>	

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Unglazed Tiles and Trim

**COST SHEET ID:** 1018(2)

**QUANTITY :** 1,808.80 Sq.m.      **PRODUCTION RATE** Sq.m./Hr.  
**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Unglazed tiles, 40cm x 40cm (approved Color)	pcs	12,436.00		
	Brass Stair Nosing, F-type 38mmx 38mm x 2m.	pcs	80		
	Portland Cement, 40kg/bag	bags	407		
	Tile Adhesive, ABC - 25kg/bag	bags	301		
	Fined Sand, wash sand	Cu.m.	35		
	Tile Grout, Approved Color	bags	240		
	Consumables	LS	1		
	<b>SCOPE:</b>	Rooms    Corr.	Total		
	First Floor Area:	320    155.2	475.20		
	Second Floor Area:	448    155.2	603.20		
	Third Floor Area:	448    155.2	603.20		
	Stair:	81.6	81.6		
	Landing:	28.8	28.8		
	Ramp to CR:	16.8	16.8		
			1,808.80		
<b>NOTE :</b>	All floor areas shall be free from loose materials like sand, dust & dried mortar.				
	No tiles shall be set/placed unless approved by the NVSU engineers.				
	Placed Tile Adhesive grout on flooring before placing concrete				

mortar. Mortar shall be maximum thickness of 50mm.					
Strictly follow the proper method of setting tiles.					
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
		<b>Total Hours</b>			
Construction Foreman					
Tile Setter					
Laborers					
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
		<b>Total Hours</b>			
Minor Tools (maximum 10% of Labor)		1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
	1. OCM				
	2. Contractor's Profit				
	3. VAT				
	<b>TOTAL INDIRECT COST</b>				
	<b>TOTAL COST (D+E)</b>				
	<b>UNIT COST</b>				

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Cement Floor  
Finish, Plain**

**COST SHEET ID: 1021(1) a**

**QUANTITY : 282.00 Sq.m. PRODUCTION RATE**

**COMBINED PROD.  
OUTPUT;** Sq.m./hr

**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40kg/bag (Holcim)	bags	226		
	Fined Sand, was sand	cu m	16		
<b>Scope:</b>	Floor finished of cantilever slab at 1st floor, 2nd floor, 3rd floor, roof Deck,				
<b>1st Flr.</b>	28.8				
<b>2nd Flr.</b>	84.4				
<b>3rd Flr.</b>	84.4				
<b>Roof Deck</b>	84.4 gutter				
	282 Sq.m.				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman Skilled Laborers (Include Houling to 2nd & 3rd flr)				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools (maximum 10 % of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Cement Plaster Finish

**COST SHEET ID:** 1027(1)

**QUANTITY :** 4,470.54 Sq.m. **PRODUCTION RATE** Sq.m./Hr.

**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40kg/bag - Holcim/excel	bags	1476		
	Fined Sand (free from dust)	CU.m.	121		
	Skimcoat Ultra Fino, Bostik - 20kg/bag	bags	373		
	<b>Scope:</b> Area				
	<b>Col.</b> 921.2				
	<b>Beams</b> 861.19				
<b>1st</b>	<b>Wall</b> 853.01				
<b>2nd</b>	<b>Wall</b> 747.64				
<b>3rd</b>	<b>Wall</b> 739.12				
<b>rf</b>	<b>wall</b> 348.38				
	<b>TOTAL</b> 4,470.54 Sq.m				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman				
	Mason				
	Laborers (include hauling of aggregates & cement)				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools	1.00	LS		
<b>SUB TOTAL (C)</b>					
D.	<b>TOTAL DIRECT COST (A + B + C)</b>				
E.	ADD INDIRECT COST				
		1. OCM 2. Contractor's Profit 3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			



**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Painting Works  
(Masonry/Concrete)

**COST SHEET ID:** 1032(1)a

**QUANTITY :** 5,222.82 Sq.m.      **PRODUCTION RATE**      Sq.m./Hr.  
**NUMBER OF HOURS**      Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Concrete Neutralizer	gal	105		
	Flat Latex Paint,	pail	53		
	Masonry Putty,	gal	262		
	Semi-gloss Latex Paint, White	pail	97		
	Semi-gloss Latex Paint, Ready Mix (Approved Color)	pail	8		
	Tinting Color, Assorted	liter	180		
	Paint Roller, 7" w/ handle	set	20		
	Paint Roller, 4" w/ handle	set	20		
	paint Brush, 4"	pc	12		
	paint Brush, 3"	pc	8		
	paint Brush, 2"	pc	15		
	Consumables (News papers, tapes, Sand Papers, etc.) max. of 1%	LS	1		
	<b>Painting Masonry:</b>				
	<b>Scope:</b>				
	Column			364.50	
	Wall front			304.00	
	Wall GL 2			42.00	
	Wall Rear			133.2	
	Wall A,B,C			1182.6	
	Beam 1,2 ,3			500.55	
	Beam Corr			99.45	
	Beam A.B,C			276.9	
	Ceiling 1st Floor:			663.74	

	Ceiling 2nd Floor:	679.74				
	Ceiling 3rd Floor:	679.74				
	Parapet Wall:	212.4				
	Stairs & Landing	84				
		<b>5,222.82</b>	Sq.m.			
<b>SUB TOTAL (A)</b>						
<b>B.</b>	<b>LABOR COST</b>			<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Construction Foreman					
	Skilled Labor (Painter)					
	Unskilled Labor					
<b>SUB TOTAL (B)</b>						
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Minor Tools (maximum 10% of Labor)		1	LS		
<b>SUB TOTAL (C)</b>						
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>					
<b>E.</b>	<b>ADD INDIRECT COST</b>					
		1. OCM				
		2. Contractor's Profit				
		3. VAT				
	<b>TOTAL INDIRECT COST</b>					
						<b>TOTAL COST (D+E)</b>
						<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Painting Works (Woods)**

**COST SHEET ID: 1032(1)b**

**QUANTITY : 99.78 Sq.m. PRODUCTION RATE NUMBER OF HOURS Sq.m./Hr. Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Flat Wall Enamel Paint,	gal	5		
	QDE Paints, Approved Color	gal	5		
	Sand Paper, Assorted	Ln.ft.	12		
	Paint Roller, 7" w/ handle	set	5		
	Paint Roller, 4" w/ handle	set	6		
	paint Brush, 2"	pc	4		
	Miscellaneous, (News papers, tapes, palete, spatula, etc.)	LS	1		
	<b>Scope:</b>				
					13.38 Sq.m.
					86.4
					99.78
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Painter				
	Laborers				
<b>SUB TOTAL (B)</b>					

C. EQUIPMENT COST			Hourly Rate	Total Cost
		Total Hours		
Minor Tools (maximum 10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>E. ADD INDIRECT COST</b>				
		1. OCM		
		2. Contractor's Profit		
		3. VAT		
<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>		
		<b>UNIT COST</b>		

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Painting Works (Steel)**

**COST SHEET ID: 1032(1)c**

**QUANTITY : 540.00 Sq.m. PRODUCTION RATE Sq.m./Hr.**

**NUMBER OF HOURS Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Epoxy Metal Primer, Gray	gal	8		
	QDE Paints, Approved Color	gal	18		
	Easy Tite Body Filler	gal	4		
	Paint Roller, 4"	pcs	15		
	Paint Brush, 2"	pcs	12		
	Sand Paper, Assorted	Ln.m.	15		
	Miscellaneous (News Paper, Tapes, etc.)	LS	1		
	<b>Note:</b> Primer paints for doors & door jambs & other steel are included in its item of work or done during and after fabrications.				
	<b>Scope:</b> Doors: 100.80 Window Jambs: 97.20 Casement 162.00 <b>Railings</b> 144.00 Stair Railing 36.00 <b>540.00 Sq.m.</b>				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Painter				
	Laborers				
<b>SUB TOTAL (B)</b>					

C. EQUIPMENT COST			Hourly Rate	Total Cost
		Total Hours		
Minor Tools (10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>				
<b>TOTAL DIRECT COST (A + B + C)</b>				
E. ADD INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. VAT			
<b>TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D+E)</b>				
<b>UNIT COST</b>				

**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING

**PAY ITEMS** : Reflective Insulation

**COST SHEET ID:** 1038 (1)

**QUANTITY** : 561.60 Sq.m.      **PRODUCTION RATE**      Sq.m./Hr.

**NUMBER OF HOURS**      Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Reflective Insulation (Double Buble Double Sided), One meter wide, 1cm thick	Ln.m.	680		
	Wiremesh Screen, 4ft x 25m (as per sample)	roll	20		
	Tie Wire, # 16	kg	10		
	Consumables (Aluminum Foil Tape/adhesive, etc.)	1	LS		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Tinsmith				
	Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
			<b>TOTAL COST (D+E)</b>		
			<b>UNIT COST</b>		

**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS** : CHB Non Load Bearing (Include RSB), 125mm  
**COST SHEET ID:** 1046(2)a2  
**QUANTITY** : 1,441.82 Sq.m.      **PRODUCTION RATE**  
**COMBINED PROD. OUTPUT;**      Sq.m./hr  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Portland Cement, 40kg/bag (Holcim)	bags	1335.00		
	Screened & Washed Sand, S-1 - T-Load	T-Load	54.00		
	CHB 5" thick	pc	18744.00		
<b>1295.9</b>	RSB, 10 mm x 6.0 m	kg	4789.77		
<b>pc</b>	Tie Wire # 16	kg	73.00		
<b>NOTE:</b>	Includes inner /outer partition walls, comfortrooms, ramps, stairs below, plantbox, catch basin, septic tank				
	This include CHB of the portion the old CMT Building. Refer to PPSDS office.				
<b>SCOPE:</b>	CHB wall shall include 4 sets of stiffener (125mm x 250mm) w/ 4pc-10mm Ø longitudinal RSB and 10mm Ø ties @ 2 @ 50mm and rest @250.				
	<b>1<sup>st</sup> Flr.</b>		442.29		
	<b>2<sup>nd</sup> Flr.</b>		335.487		
	<b>3<sup>rd</sup> Flr.</b>		335.487		
	<b>Roof Deck</b>		201.96		
	<b>Septic Tank</b>		96		



<b>OLD CMT WALL:</b>	30.6				
	Building Wall=	1,441.82			
<b>SUB TOTAL (A)</b>					-
<b>B.</b>	<b>LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Construction Foreman				
	Skilled				
	Laborers (Include Houling to 2nd & 3rd flr)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	One Bagger	1			
	Mixer	1	LS		
	Minor Tools				
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	<b>ADD INDIRECT COST</b>				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
	<b>TOTAL COST (D+E)</b>				
	<b>UNIT COST</b>				

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Structural Steel  
(Trusses)**

**COST SHEET ID: 1047 (2)a**

**QUANTITY : 8,706.44 Kgs      PRODUCTION RATE      Kg/Hr.**

**NUMBER OF HOURS      Hr.**

<b>A.</b>	<b>MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
<b>300</b>	Angular Bar, 6mm x 50mmx 50mm	kg	8460		
<b>100</b>	Base Plate, 10mm x 125x250mm	kg	246.4375		
	Welding Rod, E6013	box	15		
	Epoxy Metal Primer, Gray	gal	20		
	Paint Thinner	gal	6		
	Consumables ( Sand Papers, Grinding Disc, etc)	LS	1		
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Fabrication Labor				
	Construction Foreman				
	Welder				
	Laborers (includes houling)				
	Erection Labor				
	Skilled Laborer				
	Laborers				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Welding Machine,	1.00			
	Cut-off Machine	1.00			
	Minor Tools (10% of Labor)	1.00	LS		
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

Detailed Units Price Analysis					
<b>JOB :</b>		<b>CONSTRUCTION OF CBE BUILDING</b>			
<b>PAY ITEMS :</b>		<b>Structural Steel (Purlins)</b>			
<b>COST SHEET ID:</b>		1047 (2) b			
<b>QUANTITY :</b>		2,808.00	Kgs	<b>PRODUCTION RATE</b>	Kg/Hr.
		<b>NUMBER OF HOURS</b>			Hr.
<b>A.</b>	<b>MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
<b>180</b>	C-Purlins, 1.50mmx50mmx100mm	kg	2808		
	Sag Rod, 16mm Ø Plain Round Bar	kg	284.22		
	Epoxy Metal Primer w/ Catalyst, Gray	gal	30		
	Welding Rod, E6013	box	5		
	Paint Thinner	gal	8		
	Consumables (Paint Brush, Grinding Disc, etc.)	LS	1		
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
	Construction Foreman				
	Skilled Labor (Welder)				
	Unskilled Labor				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>			<b>Hourly Rate</b>	<b>Total Cost</b>
			<b>Total Hours</b>		
	Welding Machine,	2			
	Minor Tools (Maximum of 10% of Labor)	1	LS		
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM

2. Contractor's Profit

3. VAT

**TOTAL INDIRECT COST**

**TOTAL COST (D+E)**

**UNIT COST**

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Railings**

**COST SHEET ID: 1051(6)**

**QUANTITY : 3,914.47 Kg**

**PRODUCTION RATE Kg/Hr.**

**NUMBER OF HOURS Hr.**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	<b>Corridor Railing:</b>				
	45 Tubular, 2mm x 50mm x100mm	kg	954.18		
	186.00 Tubular, 2mm x 50mm x50mm	kg	388.74		
	27 Flat Bar, 6mm x 50mm x 6m	kg	382.32		
	Welding Rod, E6013	kg	30		
	<b>Stair Railing:</b>				
	32 GI Pipe, HG-1½" Ø	kg	1555.2		
1.9	Tubular, 2mm x 25mmx50mm	kg	255.5064		
	Tubular, 2mm x 25mmx25mm	kg	378.528		
	<b>@ 4 meters Span:</b>	kg/m			
	1.5 x				
1594.8	50mmx100mmx6m	3.53	954.18		181.44
	1.5 x				
1128	50mmx40mmx6m	2.09	388.74		
	Flat Bar, 6mm x 50mm	2.36	382.32		
	<b>Scope:</b>				
	Corridor Railings, Stair railings, ramp railing, roof railings and exit stair frames.				
	All quantities shall be subject for actual number. Whatever excess shall be deleted.				
	<b>Note:</b>				
<b>SUB TOTAL (A)</b>					

B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Construction Foreman Skilled Labor (Welder) Unskilled Labor				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Welding Machine Cut-off Machine Minor Tools (Maximum 10% of Labor)	1 1 1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1.			
		OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
				<b>TOTAL COST (D+E)</b>	
				<b>UNIT COST</b>	

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS : Conduits, Boxes & Fitting (conduit Works/Conduit Rough-in)**

**COST SHEET ID: 1100(10)** Ln.m/Hr

**QUANTITY : 1.00** LS **PRODUCTION RATE** pc/hr

559 Ln.m. **NUMBER OF HOURS** Hr.

431 pcs

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	50mmØ uPVC Thick Wall	pc	6		
	32mmØ uPVC Thick Wall	pc	3		
	20mmØ uPVC Thick Wall	pc	550		
	50mmØ uPVC Long Elbow	pc	2		
	32mmØ uPVC Long Elbow	pc	9		
	20mmØ uPVC Long Elbow	pc	100		
	50mmØ uPVC Male Threaded Adaptor	pc	3		
	32mmØ uPVC Male Threaded Adaptor	pc	6		
	32mmØ uPVC Lock Nut	pc	3		
	50mmØ uPVC Lock Nut	pc	12		
	20mmØ uPVC Connector	pc	50		
	Junction Box w/ cover and screw	pc	281		
	2 x 4 Utility Box	pc	148		
	400 ml.PVC Solvent	can	10		
	50mmØ Entrance Cap with adaptor	pc	2		
	Tie Wire	kg	5		
	secondary rack with spool insulator, 3w, w/ complete accessories (bolt, nuts etc.)	set	2		
	Miscellaneous(rubber tape, wires, etc.)	ls	1		
<b>SUB TOTAL (A)</b>					



B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Electrical Engineer/Master Electrician Electrician Unskilled Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		<ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING

**PAY ITEMS :** Wires & Wiring Devices

**COST SHEET ID:** 1101 (33) pc/hr

**QUANTITY :** 1.00 LS **PRODUCTION RATE** Ln.m./Hr.

3570.29 Ln.m. **NUMBER OF HOURS** Hr.

124 Pcs

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	50mm <sup>2</sup> THHN Copper Wire	In m	30		
	30mm <sup>2</sup> THHN Copper Wire	In m	50		
	8.0mm <sup>2</sup> THHN Copper Wire	In m	523.52		
	3.5mm <sup>2</sup> THHN Copper Wire	In m	924.00		
	2.0mm <sup>2</sup> THHN Copper Wire	In m	1711.00		
	22mm <sup>2</sup> THW Copper Wire	In m	15		
	8.0mm <sup>2</sup> THW Copper Wire	In m	25		
	5.5mm <sup>2</sup> THW Copper Wire	In m	261.76		
	80mm <sup>2</sup> ACSR XLPE Insulated	In m	30.00		
	1-gang, switch wide series	set	31		
	2-gang, switch wide series	set	6		
	3-gang, switch wide series	set	15		
	1 gang Air-conditioning Unit Outlet	set	30		
	2 Gang Universal Outlet Set	pc	36		
	Rubber Tape	roll	3		
	Electric Tape (Big)	roll	7		
	Copper Coated Ground Rod 5/8 x 10	pc	1		
	Ground Clamp 5/8	pc	1		
	solderless connector	pcs	6.00		
	miscellaneous	LS	1.00		
<b>SUB TOTAL (A)</b>					

B.	LABOR COST			Hourly Rate	Total Cost
			Total Hours		
	Electrical Engineer/Master Electrician Electrician Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D. TOTAL DIRECT COST (A + B + C)</b>					
<b>E. ADD INDIRECT COST</b>					
			1. OCM		
			2. Contractor's Profit		
			3. VAT		
<b>TOTAL INDIRECT COST</b>					
					<hr/>
<b>TOTAL COST (D+E)</b>					
<b>UNIT COST</b>					

**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING

**PAY ITEMS** : Panel Board with Main & Branch Breakers

**COST SHEET ID:** 1102(1)

<b>QUANTITY</b> :	1.00	LS	<b>PRODUCTION RATE</b>	ckt/hr
		4 set	<b>NUMBER OF HOURS</b>	Hr.
		40 pcs		

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	4 branches MDP Board, 3P, Center Main, bolt-on main & branches w/copper hot and ground busbars :including the following breakers on the price 200A, 3P CB      6 pc 100A, 2P CB      6 pc	set	1		
	12branches MDP Board, 3P, Center Main, bolt-on main & branches w/copper hot and ground busbars :including the following breakers on the price 100A, 3P CB      3 pc 50A, 3P CB      15 pc 20A, 3P CB      6 pc 15A, 3P CB      12 pc	set	3		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Electrical Engineer/Master Electrician Electrician Laborers				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
		<b>TOTAL COST (D+E)</b>			
		<b>UNIT COST</b>			

**Detailed Units Price Analysis**

**JOB**                    **CONSTRUCTION OF CBE BUILDING**

**PAY ITEMS**    :    **Oscillating, Ceiling Fan**

**COST SHEET ID:**    1200(2)c

**QUANTITY**    :    60.00            Set                                    **PRODUCTION RATE**                                    Set/Hr.

**NUMBER OF HOURS**                                    Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Ceiling Fan, 18" Standard/Heavy Duty	Set	60.00		
	Consumables (Fasteners, electrical Tapes, etc)	LS	1		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Electrical Engineer/Master Electrician	1			
	Electrician	1			
	Laborers	1			
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Minor Tools (10%)	1	LS		
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST				
		1. OCM			
		2. Contractor's Profit			
		3. VAT			
	<b>TOTAL INDIRECT COST</b>				
			<b>TOTAL COST (D+E)</b>		
				<b>UNIT COST</b>	

**Detailed Units Price Analysis**

**JOB : CONSTRUCTION OF CBE BUILDING**  
**PAY ITEMS : Lighting Fixtures and Lamps**  
**COST SHEET ID: 1103(1)**  
**QUANTITY : 1.00 LS PRODUCTION RATE set/hr**  
**131 set NUMBER OF HOURS Hr.**

<b>A.</b>	<b>MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
	2-18 watts LED Straight Fluorescent Tube with LED Started Included, 1800 Lumen, Daylight, inside Surface Type with Aluminum Reflector Fixture ESLS2X40/0	set	90		
	14 watts LED A-Bulb Regular, 1400 Lumens, Daylight, with E27 Ceiling Receptacle 4¼" White	set	16		
	Vertical Downlight Surface Type with Glass Cover 6" Black FD161BL6 with LED Bulb 12 watts, 1080 Lumen, Daylight	set	25		
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Electrical Engineer/Master Electrician				
	Electrician				
	Laborers				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>EQUIPMENT COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**



**Detailed Units Price Analysis**

**JOB** : CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS** : Exhaust Fan  
**COST SHEET ID:** 1200 (5) b  
**QUANTITY** : 36.00 Set      **PRODUCTION RATE** Set/Hr  
**NUMBER OF HOURS** Hr.

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Exhaust Fan, Iwata Tornado Grille	set	36.00		
	Consumables, (Fasteners, Electrical Tapes, etc.)	LS	1		
<b>Scope:</b>	1 set per comfort room, 2 sets each class room it shall be provided with uPVC exhaust pipe in the direction directed by the mechanical engineer. Exhaustfan shall be wall mounted securely anchored on wall w/ fastener.				
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	Construction Foreman				
	Skilled Laborer				
	Laborers				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Minor Tools (10 %)	1	LS		
<b>SUB TOTAL (C)</b>					

<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>		
<b>E.</b>	ADD INDIRECT COST	<ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>	
	<b>TOTAL INDIRECT COST</b>		
		<b>TOTAL COST (D+E)</b>	
		<b>UNIT COST</b>	

**Detailed Units Price Analysis**

**JOB** : **CONSTRUCTION OF CBE BUILDING**  
**PAY ITEMS** : **Airconditioning and Refrigeration System**  
**COST SHEET ID:** 1200(13)  
**QUANTITY** : 30.00 Set **PRODUCTION RATE** Set/Hr.  
**NUMBER OF HOURS** Hr.

<b>A.</b>	<b>MATERIAL: COST/UNIT</b>		<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>TOTAL COST</b>
	Split Type Inverter Aircon Unit, 2HP) Complete with mounting frames, condenset drain pipes and other required accessories.	set	30		
	Consumables ( Fasteners, Clips, electrical tape, etc.)	LS	1		
	<b>Scope:</b> Furnishing and Installation of specified ACU complete with condensate drain:  Use water line pipe blue. Refer to plan for proper location or at the PPSDS office.  This include:				
	40 uPVC Blue Pipe, 3/4" Ø				
	40 uPVC Blue Tee, 3/4" Ø				
	40 uPVC Blue Elbow, 3/4" Ø				
	10 uPVC Blue Female Adopter, 3/4" Ø				
	10 uPVC Blue Male Plug, 3/4" Ø				
	2 PVC Solvent				
<b>SUB TOTAL (A)</b>					
<b>B.</b>	<b>LABOR COST</b>		<b>Total Hours</b>	<b>Hourly Rate</b>	<b>Total Cost</b>
	Included in the material cost				
<b>SUB TOTAL (B)</b>					

C.	EQUIPMENT COST			Hourly Rate	Total Cost
			Total Hours		
	Included in the material cost				
<b>SUB TOTAL (C)</b>					
<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>				
<b>E.</b>	ADD INDIRECT COST <ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. VAT</li> </ol>				
	<b>TOTAL INDIRECT COST</b>				
					<b>TOTAL COST (D+E)</b>
					<b>UNIT COST</b>

**Detailed Units Price Analysis**

**JOB** : **CONSTRUCTION OF CBE BUILDING**  
**PAY ITEMS** : **Furnishing**  
**COST SHEET ID:** SPL-1  
**QUANTITY** : 1.00 LS **PRODUCTION RATE**  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Uratex Classmate Chair complete w/ acc. & approve color	set	600		
	Teachers Table (Wood table w/ varnish complete with drawer, drawer lock, C-puller	set	15		
	Ergodynamic EHC-77P High Back EXECUTIVE Mesh Office Chair (Black)	set	15		
	Slim LED TV Sizes 65", Mount Wall compl. Bracket Flat Fixed	set	15		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
<b>SUB TOTAL (C)</b>					

**D. TOTAL DIRECT COST (A + B + C)**

**E. ADD INDIRECT COST**

1. OCM
2. Contractor's Profit
3. VAT

**TOTAL INDIRECT COST**

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**TOTAL COST (D+E)**

**UNIT COST**

**Detailed Units Price Analysis**

**JOB :** CONSTRUCTION OF CBE BUILDING  
**PAY ITEMS :** Recognition Plate / Project Marker  
**COST SHEET ID:** B.16  
**QUANTITY :** 1.00 LS **PRODUCTION RATE**  
**NUMBER OF HOURS**

A.	MATERIAL: COST/UNIT		QUANTITY	UNIT PRICE	TOTAL COST
	Brass/Bronze Type Project Marker complete with information. Size: 30cm x 40cm  <b>NOTE:</b> Coordinate at the PPSDS office for the proper content of the marker.		1		
<b>SUB TOTAL (A)</b>					
B.	LABOR COST		Total Hours	Hourly Rate	Total Cost
	<b>Labor for Installation Only:</b> Construction Foreman Skilled Labor				
<b>SUB TOTAL (B)</b>					
C.	EQUIPMENT COST		Total Hours	Hourly Rate	Total Cost
	Minor Tools	1	LS		
<b>SUB TOTAL (C)</b>					

<b>D.</b>	<b>TOTAL DIRECT COST (A + B + C)</b>		
<b>E.</b>	<b>ADD INDIRECT COST</b>		
		1. OCM	
		2. Contractor's Profit	
		3. VAT	
	<b>TOTAL INDIRECT COST</b>		
			<hr/>
		<b>TOTAL COST (D+E)</b>	
		<b>UNIT COST</b>	



Project: **CONSTRUCTION OF CBE BUILDING**

Location: **NVSU, Bayombong Campus**

Mode of Implementation: **By Contract**

Source of Fund: **General Appropriation - CY 2021**

Project Duration: **300 Calendar Days**

**SUMMARY SHEET**

ITEM	DESCRIPTION OF WORK	UNIT	QUANTITY	EQUIPMENT COST	MATERIAL COST	UNIT COST	AMOUNT
A.1.1(3)	Construction of Field Office for the Engineers	LS	1.00				
B.3	Permit and Clearances	LS	1.00				
B.5	Project Billboard/Sign Board	each	2.00				
B.7(1)	Occupational Safety and Health Program	months	10.00				
B.9	Mobilization and Demolization	LS	1.00				
800(2)	Clearing & Grubbing	LS	1.00				
100(3)a2	Individual Removal of Trees, (301-500mm)	ea.	9.00				
801 (1)	Removal of Structure and Obstruction	LS	1.00				
803(1)a	Structure Excavation (Common Soil)	cu.m.	840.70				
804(1)a	Embankment (from Structure Excavation)	cu.m.	630.52				
804(1)b	Embankment from Common Borrow by Equipment	cu.m.	669.60				
804(4)	Gravel Bedding	cu.m.	113.00				
900(1)c2	Structural Concrete (Footings & Slab On Fill), Class "A", 28 Days	cu.m.	301.91				
900(1)c3	Structural Concrete (Footing Tie Beam),Class "A" 28 Days	cu.m.	40.95				
900(1)a4	Structural Concrete (Columns - Class "A", 28 Days)	cu.m.	144.31				
900(1)c5	Structural Concrete (Suspended Slab/Stairs/gutter), Class "A", 28 Days	cu.m.	194.93				
900(1)c6	Structural Concrete (Beams/Girders),Class "A" 28 Days	cu.m.	131.78				
902(1)a	Reinforcing Steel (Deformed) GR 40	kgs	96,352.56				
903(1)	Formworks or Falsework	LS	1.00				

1000 (1)	Soil Poisoning	Liter	48.00				
1001 (5)b	Catch Basin/Canal, CHB	Sq..	226.00				
1001 (8)	Sewer Line Works	LS	1.00				
1003(2)	6.0mm Fiber Cement Board on Metal Fane Double Wall Partition	set	2.00				
1001 (9)	Storm Drainage & Downspout	LS	1.00				
1002(27)	Plumbing Fixtures	LS	1.00				
1002 (24)	Cold Water Lines	LS	1.00				
1003(1)a1	Ceiling (Metal Frame & Fiber Cement Board)	Sq.m.	512.00				
1003(17)	Carpentry and Joinery Works (Blackboard)	LS	1.00				
1004(2)	Finishing Hardwares	LS	1.00				
1005 (5)	Steel Window (Window Grilles)	Sq.m.	260.20				
1006(1)	Hollow Steel Door	Sq.m.	78.00				
1008	Aluminum/PVC Glass Window (Sliding/Casement/Awning/Fixed Type)	Sq.m.	250.81				
1010 (1)	Frames, Jambs, sills, head, Transom and Mullions	Set	32.00				
1010(2)a	Doors, Flush	Sq.m.	11.40				
1010(2)b	Doors, Wood Panel	Sq.m.	3.78				
1013(2)a2	Fabricated Metal Roofing Accessories, Flashing	Ln.m.	139.20				
1014(1)b2	Prepainted Metal Sheets (Rib Type, Long Span, Above 0.427mm thk)	Sq.m.	528.00				
1016(1)a	Waterproofing, Cement-Base	Sq.m.	381.74				
1018(1)	Glazed Tiles and Trim	Sq.m.	103.19				
1018(2)	Unglazed Tiles and Trim	Sq.m.	1,808.80				
1021(1) a	Cement Floor Finish, Plain	Sq.m.	282.00				
1027(1)	Cement Plaster Finish	Sq.m.	4,470.54				
1032(1)a	Painting Works (Masonry/Concrete)	Sq.m.	5,222.82				
1032(1)b	Painting Works (Woods)	Sq.m.	99.78				
1032(1)c	Painting Works (Steel)	Sq.m.	540.00				
1038 (1)	Reflective Insulation	Sq.m.	561.60				
1046(2)a2	CHB Non Load Bearing (Include RSB), 125mm	Sq.m.	1,441.82				
1047 (2)a	Structural Steel (Trusses)	Kgs	8,706.44				

1047 (2) b	Structural Steel (Purlins)	Kgs	2,808.00				
1051(6)	Railings	Kg	3,914.47				
1100(10)	Conduits, Boxes & Fitting (conduit Works/Conduit Rough-in)	LS	1.00				
1101 (33)	Wires & Wiring Devices	LS	1.00				
1102(1)	Panel Board with Main & Branch Breakers	LS	1.00				
1103(1)	Lighting Fixtures and Lamps	LS	1.00				
1200(2)c	Oscillating, Ceiling Fan	Set	60.00				
1200 (5) b	Exhaust Fan	Set	36.00				
1200(13)	Airconditioning and Refrigeration System	Set	30.00				
SPL-1	Furnishing	LS	1.00				
B.16	Recognition Plate / Project Marker	LS	1.00				
		<b>Total Bid Cost:</b>		<b>Php.</b>			

**Prepared By:**

\_\_\_\_\_

**Civil Engineer**

**PRC No.:** \_\_\_\_\_

**PTR No.:** \_\_\_\_\_

**Submitted by:**

\_\_\_\_\_

**General Manager/Authorized Representative**

LIST OF MATERIALS		
ITEM	UNIT	COST
GI Pipe, 1 1/2" Ø	kg	
Swivel Clamp	pc	
Portland Cement, 40 kg/bag	bags	
Marine Plywood, 3/4" thick	pc	
Assorted Lumber, Good Lumber	Bd.ft.	
CW Nail, Assorted	kg	
Tarpaulin 4' x 8'	pc	
Safety Sign Boards, 3' x 4' - Tarpaulin	pc	
Marine Plywood, 1/4" thick	pc	
G-Melina, Assorted Size	Bd.ft.	
Medical Supplies (i.e. Vitamins, paracetamols, etc.)	set	
Pairs, Rubber Boots Men, Long Steel Toe, Black	pair	
Pairs, Working Gloves (Maong Materials)	pair	
Safety Hard Hats (White, yellow, Red)	set	
Safety Vest, approved color.	set	
Nylon Rope, 16mm Ø x 200m	roll	
Mixed Gravel & Sand or approved materials		
2.50 cu.m. / T-Load	T-Loads	
Gravel Materials, Max. 50mm (Wash)	cu.m	
Phenolic Board, 0.019mx 1.22m x 2.44m	pc	
Good Lumber, Assorted	Bd.Ft.	
CW Nail, Assorted, 25kg /box	Box	
Portable Circular Saw, Bosc	set	
Consumables (pencils, tancy, etc.)	LS	
Portland Cement, 40kg/bag	bags	
Screened & Washed Sand, S-1 - 2.50cu.m/T-Load	T-Load	
Screened & Washed Gravel, G-1 - 2.50cu.m/T-Load	T-Load	
Sahara water Proofing Compound, 908g	bags	
Steel Deck, 1.0mm x 0.452m x 3.82m (Verify)	pc	
Steel Deck, 1.0mm x 0.452m x 2.82m (Verify)	pc	
Decking Teckscrew 24mmx20mm, 500pc/box	Box	
Consumables (Fasteners, Screws, etc.)	LS	
20mm x 12m	kg	
20mm x 9m	kg	
20mm x 7.5m	kg	

ITEM	UNIT	COST
20mm x 6m	kg	
16mm x 12m	kg	
16mm x 9m	kg	
16mm x 7.5m	kg	
16mm x 6m	kg	
12mmx 9.0m	kg	
12mmx 7.50m	kg	
12mm x 6m	kg	
10mm x 7.5m	kg	
10mm x 6m	kg	
Termite Control (Hometrek)	litter	
CHB, 5"	pcs	
#16 Tie Wire	kg	
4" diameter uPVC pipe S 1000 (atlanta)	pc	
4" diameter uPVC CO with plug S 1000 (atlanta)	pc	
4" diameter uPVC Elbow S 1000 (atlanta)	pc	
4" x 2" diameter uPVC Tee reducer S 1000 (atlanta)	pc	
4" diameter uPVC Bend with plug S 1000 (atlanta)	pc	
4" diameter uPVC Wye S 1000 (atlanta)	pc	
4" diameter uPVC Socket S 1000 (atlanta)	pc	
4" x 2" diameter uPVC Wye reducer S 1000 (atlanta)	pc	
4" diameter uPVC Tee S 1000 (atlanta)	pc	
2" diameter uPVC Pipe S 1000 (atlanta)	pc	
2" diameter uPVC CO with plug S 1000 (atlanta)	pc	
2" diameter uPVC Elbow S 1000 (atlanta)	pc	
2" diameter uPVC Tee S 1000 (atlanta)	pc	
2" diameter uPVC Bend with plug S 1000 (atlanta)	pc	
2" diameter uPVC Wye S 1000 (atlanta)	pc	
2" diameter uPVC P-trap with plug & seal S 1000 (atlanta)	pc	
2" diameter uPVC socket S 1000 (atlanta)	pc	
uPVC solvent	Can	
4" Ø uPVC Pipe S1000	pcs	
uPVC Solvent Cement, 400 cc	cans	
3mm x 38 mm Flat Bar Clamp Holder w/ Nut & Bolt	set	
4" Ø uPVC Cleanout with plug S 1000	pcs	
4" ØuPVC Tee S1000	pcs	

ITEM	UNIT	COST
4" Ø uPVC Bend,	pcs	
Closed Coupled Water Closet, CS6815N - Titan	set	
Lavatory w/ short pedestal - (Titan, complete w/ acc.)	set	
Urinals, Kohoutek - U28 Hcg (complete w/ flush valve)	set	
Hand Bidet, (1X Hand Held Bathroom Toilet ABS Bath Bidet Diaper Shower Head Spray Sprayer)	set	
Faucets,Cuff single handle wall-mount kit. Faucet-kohler	set	
Stainless Grab Handrail (as per sample)-concelaed mount	set	
Stainless Steel D-87 Floor drain	set	
Angle Valve, 1/2" Ø -WC	set	
Water Meter, Great Volume-32mm Ø	set	
Hose Bibb	set	
Flexible Hose Brass , 1/2" Ø (POZZI JY-5)	set	
Soap Holder, BA 31-Titan	set	
Paper Holder, BA 38-Titan	set	
32mm Ø PP-R Pipe (fro Tapping point to building end)	pc	
25mm Ø PP-R Pipe	pc	
20mm Ø PP-R Pipe	pc	
PPR Gate Valve, 32mm Ø	set	
PPR Gate Valve, 25mm Ø	set	
Tee Reducer, 32mmx25mm	pc	
Tee Reducer, 25mmx20mm	pc	
Elbow Reducer, 32mm x 25mm Ø	pc	
End Cap, 32mm Ø	pc	
End Cap, 25 mm Ø	LS	
End Cap, 20 mm Ø	LS	
Coupling, 32mm Ø	pc	
PPR Tee Adapter, 20mm Ø	pc	
Elbow Adapter, 20mm Ø	pc	
Fusion machine, Complete set (20, 25, 32mm Ø)	set	
uPVC Pipe Cutter, Tolsen	set	
Cement Fiber Board, 1/4" thick x 4' x 8'	pcs	
Metal Furring, 0.8mmx12mmx50mm, 5m	pcs	
Primer Channel, 0.8mm x 12mmx 38mm, 5m	pcs	
W-Clip, 10pc/set	set	
C-Purlins, 1.5mmx50mmx100mm x 6m	pcs	
Wall Angle, 0.8mm x 38mmx38mm,5m	pcs	

ITEM	UNIT	COST
Colonial Casing, 1" x2"x10 Ft.	pcs	
Tox Screw,	pcs	
Blind Rivet, 1/8" x 3/4" - 1000pc/box	box	
Security Padlock (Abloy PL320/20 High Security Padlock)	pcs	
Barrel Bolts (Fabricated)	set	
Slide Bolt Gate Latch Heavy Duty Premium Safety Stainless Steel Barrel Bolt. For CR Door.	set	
Door Closer, Yale Heavy Duty Hydraulic DC 60kg	set	
Door Knobs, Yale Standard Duty Cylindrical Entrance Knobsets	set	
Butt Hinges, 3" x 4" x 3mm with screw	pc	
Cylindrical Hinges, 3/4" Ø - 4pc/door	set	
Powerhouse Double Action Spring Hinges 3 with Screw	set	
Steel Drop Door Handles, 150mm L	set	
Stainless grab bar, for PWD, L-shape 3 anchorage per set.	set	
Welding Rod, E6013	box	
Grey Tox Wall Plug w/ screw-Concrete Set, 50x	pcs	
Fabricated Hollow Steel Door complete with transom (1/4" Clear Glass). Door shall be Gauge 18 back to back framed with 2mmx50mmx50mm Tubular.	sq.m	
PVC Framed Sliding Window complete w/ 1/4" thick	sq.m	
Colored Glass, Locksets, and other accessories.		
PVC Framed Awning Window with fixed glass complete w/ 1/4" thick Colored Glass, Lockset, and other accessories.	sq.m	
Aluminum Framed Sliding Window complete with	sq.m	
lockset and other accessories.	sets	
Steel Door Jamb with Transom, 0.90m x 2.50m	gal	
Epoxy Metal Primer, Gray		
Flush Door, framed w/ Tanguile or Equivalent	sq.m	
Marine Plywood Sheating back to back. Provide flat bar (4mm x 50mm) framed vent on the lower portion. Doors shall be attached with heavy duty hinges (3pc/door) and Lock set (2sets)		
This include door jambs and anchorage, etc.		

ITEM	UNIT	COST
Panel Door (Tanguile/ Equivalent) on wooden Jamb (Tanguile/Equivalent, 2"x5") with transom Use 1/4" thick clear glass with wooden clip Doors shall be provided with 4 set - 3" x 4" heavy duty hinges.	sq.m	
Pre-painted Side/End Flashing, 0.50 mm thick	Pcs	
Teckscrew	Pcs	
Blind Rivet, 1/8" x 1" ) 500pc/box	box	
Pre-painted Metal Sheets, Double Rib Type 0.50 mm thick x 0.945 Effective Width (8.4m & 2.40m)	Ln.m	
Tekscrew, #12/65 (500pc/box)	box	
Toks w/ Screw as per sample	pcs	
Aluminum Blind rivet, 1/8" x1/2"	box	
Water Proofing Membrane(Primero Pro Deck)	gal	
Paint Roller, 7"	set	
Paint Brush, 3"	pcs	
Glazed Tiles, 40cm x40cm (approved Color)	pcs	
Portland Cement, 40kg/bag	bags	
Tile Adhesive, ABC - 25kg/bag	bags	
Fined Sand, wash sand	Cu.m.	
Tile Grout, Approved Color	bags	
Tile Trim, approved color	pc	
Unglazed tiles, 40cm x 40cm (approved Color)	pcs	
Brass Stair Nosing, F-type 38mmx 38mm x 2m.	pcs	
Fined Sand (free from dust)	cu.m	
Skimcoat Ultra Fino, Bostik - 20kg/bag	bags	
Concrete Neutralizer	gal	
Flat Latex Paint,	pail	
Masonry Putty,	gal	
Semi-gloss Latex Paint, White	pail	
Semi-gloss Latex Paint, Ready Mix (Approved Color)	pail	
Tinting Color, Assorted	liter	
Paint Roller, 7" w/ handle	set	
Paint Roller, 4" w/ handle	set	
paint Brush, 4"	pc	
paint Brush, 3"	pc	



ITEM	UNIT	COST
paint Brush, 2"	pc	
Flat Wall Enamel Paint,	gal	
QDE Paints, Approved Color	gal	
Sand Paper, Assorted	Ln.ft.	
Epoxy Metal Primer, Gray	gal	
Easy Tite Body Filler	gal	
Reflective Insulation (Double Buble Double Sided), One meter wide, 1cm thick	Ln.m.	
Wiremesh Screen, 4ft x 25m (as per sample)	roll	
Angular Bar, 6mm x 50mmx 50mm	kg	
Base Plate, 10mm x 125x250mm	kg	
Paint Thinner	gal	
C-Purlins, 1.50mmx50mmx100mm	kg	
Sag Rod, 16mm Ø Plain Round Bar	kg	
Tubular, 2mm x 50mm x100mm	kg	
Tubular, 2mm x 50mm x50mm	kg	
Flat Bar, 6mm x 50mm x 6m	kg	
GI Pipe, HG-1½" Ø	kg	
50mmØ uPVC Thick Wall		
32mmØ uPVC Thick Wall	pc	
20mmØ uPVC Thick Wall	pc	
50mmØ uPVC Long Elbow	pc	
32mmØ uPVC Long Elbow	pc	
20mmØ uPVC Long Elbow	pc	
50mmØ uPVC Male Threaded Adaptor	pc	
32mmØ uPVC Male Threaded Adaptor	pc	
32mmØ uPVC Lock Nut	pc	
50mmØ uPVC Lock Nut	pc	
20mmØ uPVC Connector	pc	
Junction Box w/ cover and screw	pc	
2 x 4 Utility Box	pc	
400 ml.PVC Solvent	pc	
50mmØ Entrance Cap with adaptor	can	
Tie Wire	pc	
secondary rack with spool insulator, 3w,	kg	
w/ complete accessories (bolt, nuts etc.)	set	
50mm <sup>2</sup> THHN Copper Wire	ln m	

ITEM	UNIT	COST
30mm <sup>2</sup> THHN Copper Wire	In m	
8.0mm <sup>2</sup> THHN Copper Wire	In m	
3.5mm <sup>2</sup> THHN Copper Wire	In m	
2.0mm <sup>2</sup> THHN Copper Wire	In m	
22mm <sup>2</sup> THW Copper Wire	In m	
8.0mm <sup>2</sup> THW Copper Wire	In m	
5.5mm <sup>2</sup> THW Copper Wire	In m	
80mm <sup>2</sup> ACSR XLPE Insulated	In m	
1-gang, switch wide series	set	
2-gang, switch wide series	set	
3-gang, switch wide series	set	
1 gang Air-conditioning Unit Outlet	set	
2 Gang Universal Outlet Set	pc	
Rubber Tape	roll	
Electric Tape (Big)	roll	
Copper Coated Ground Rod 5/8 x 10	pc	
Ground Clamp 5/8	pc	
solderless connector	pcs	
12branches MDP Board, 3P, Center Main, bolt-on main & branches w/copper hot and ground busbars including the following breakers on the price	set	
100A, 3P CB                      3 pc		
50A, 3P CB                      15 pc		
20A, 3P CB                      6 pc		
15A, 3P CB                      12 pc		
4 branches MDP Board, 3P, Center Main, bolt-on main & branches w/copper hot and ground busbars including the following breakers on the price	set	
200A, 3P CB                      6 pc		
100A, 2P CB                      6 pc		
2-18 watts LED Straight Fluorescent Tube with LED Started Included, 1800 Lumen, Daylight, inside Surface Type with Aluminum Reflector Fixture ESLS2X40/0	set	

ITEM	UNIT	COST
14 watts LED A-Bulb Regular, 1400 Lumens, Daylight, with E27 Ceiling Receptacle 4¼" White	set	
Vertical Downlight Surface Type with Glass Cover 6" Black FD161BL6 with LED Bulb 12 watts, 1080 Lumen, Daylight	set	
Ceiling Fan, 18" Standard/Heavy Duty	set	
Exhaust Fan, Iwata Tornado Grille	set	
Split Type Inverter Aircon Unit, 2HP) Complete with mounting frames, condenset drain pipes and other required accessories.	set	
Uratex Classmate Chair complete w/ acc. & approve color	set	
Teachers Table (Wood table w/ varnish complete with drawer, drawer lock, C-puller	set	
Ergodynamic EHC-77P High Back EXECUTIVE Mesh Office Chair (Black)	set	
Slim LED TV Sizes 65", Mount Wall compl. Bracket Flat Fixed	set	
Brass/Bronze Type Project Marker complete with information.	LS	

<b>LABOR RATES &amp; EQUIPMENT RENTAL</b>	
<b>ITEM</b>	<b>Hourly Rate</b>
<b>Labor Rates</b>	
Construction Foreman	
Electrical Engineer/Master Electrician	
Part Time Safety Practitioner	
Liason Officer	
Master Plumber	
Leadman	
Carpenter	
Mason	
Steelman	
Plumber	
Electrician	
Welder	
Tinsmith	
Tile Setter	
Painter	
Skilled Laborer	
Laborer	
<b>Equipment Rental</b>	
Dump Truck (12 cu.yd)	
Backhoe with Breaker (0.80 cu.m)	
Chainsaw	
Dump Truck (5 cu.m)	
Plate Compactor, 400-500 Gasoline Engine	
Scaffolding Rental	
H-Frame 1.7m x 1.20, set	
2pcs H-frames	
2pcs diagonal cross braces	
4pcs horizontal braces	
8 pcs joint pins	
Shoring Jack, 3.8m full extension	
Adjustable U-head Jack, 0.6m	

Adjustable Base Jack, 0.6m

1 ½" Ø GI Pipe x 6.0m

1 ½" Ø GI Pipe x 3.0m

1 ½" Ø GI Pipe x 4.0m

1 ½" Ø GI Pipe x 1.0

Tie Rod x 0.60m

Round Wing Nut

One-Bagger Mixer

Concrete Vibrator

Power Sprayer

Porta Lift, (Complete with function motor, cable & bucket)

Bar Cutter

Bar Bender

Welding Machine

Cut-off Machine

## ***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.



**Omnibus Sworn Statement (Revised)**  
*[shall be submitted with the Bid]*

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

**AFFIDAVIT**

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

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

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

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

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

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

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

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

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

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

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

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

*[If a partnership or cooperative:]* None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the

Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

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

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

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

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

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

## Performance Securing Declaration (Revised)

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

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

### PERFORMANCE SECURING DECLARATION

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

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

I/We, the undersigned, declare that:

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

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

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

*[Insert signatory's legal capacity]*

Affiant

**[Jurat]**

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

# Bid Form for the Procurement of Infrastructure Projects

*[shall be submitted with the Bid]*

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## BID FORM

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

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

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, declare that:

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. 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, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>2</sup> for this purpose;
- h. 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;
- i. 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
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

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<sup>2</sup> currently based on GPPB Resolution No. 09-2020

- k. 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].
  
- l. 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: \_\_\_\_\_

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

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

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

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

# Contract Agreement Form for the Procurement of Infrastructure Projects (Revised)

*[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]*

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## 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 *[contract price in words and figures in specified currency]* 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 as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - a. Philippine Bidding Documents (PBDs);
    - i. Drawings/Plans;
    - ii. Specifications;
    - iii. Bill of Quantities;
    - iv. General and Special Conditions of Contract;
    - v. Supplemental or Bid Bulletins, if any;
  - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- c. Performance Security;
- d. Notice of Award of Contract and the Bidder's conforme thereto; and
- e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**

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

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

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

for:

for:

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

#### **Acknowledgment**

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

## **Bid Securing Declaration Form**

*[shall be submitted with the Bid if bidder opts to provide this form of bid security]*

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

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

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

I/We, the undersigned, declare that:

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

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

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

### **[Jurat]**

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



