

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

# **Procurement of INFRASTRUCTURE PROJECTS**

Government of the Republic of the Philippines

*For Project 2024-08i: Completion of Business  
Stalls and Classrooms for Bambang 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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**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 nonpersonal 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.

# INVITATION TO BID

## ***For Project 2024-08i: Completion of Business Stalls and Classrooms for Bambang Campus***

1. The *Nueva Vizcaya State University*, through the *Special Trust Fund (F164)* intends to apply the sum of Fifteen Million One Hundred Thirty-Seven Thousand pesos only (*Php15,137,000.00*) being the Approved Budget for the Contract (ABC) to payments under the contract of the project 2024-08i: Completion of Business Stalls and Classrooms for Bambang 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 340 *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 June 18, 2024 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*.

### **NVSU LANDBANK ACCOUNT No.: 0432-1028-82**

6. The *NVSU* will hold a Pre-Bid Conference<sup>1</sup> on *June 26, 2024 @ 9:00am at the Board Room, 3/F New Administration Building, NVSU Bayombong, Campus* and through videoconferencing/webcasting *via Zoom (Meeting ID: 525 793 2135; Password: nvsu@2024)*, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before July 8, 2024 at 8:59am. 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 *July 8, 2024 at 9:00am at the Board Room, 3/F New Administration Building, NVSU Bayombong, Campus* and through *via Zoom (Meeting ID: 525 793 2135; Password: nvsu@2024)*. Bids will be opened in the presence of the bidders’ representatives who choose to attend the activity.
10. 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.

11. For further information, please refer to:

**DR. MARITESS N. MORTERA**  
**MS. ICY B. PASI-GARCIA**  
**MS. JOVELYN M. GUILLERMO**  
**MS. DIANNE MARGARETH B. TITO**  
**MS. GLAIZA C. SIERRA**  
**MS. LEAH MARRIZE F. BANTA**  
**MR. PEEJAY EDVIE V. BARAL**  
**MR. NORBERT R. CALSE**  
**MR. MICHAEL ANGELO F. PEROLINA**  
**MS. JULIET S. SANCHEZ**  
UBAC Secretariat

UBAC Office, 3<sup>rd</sup> floor New Administration Building,  
NVSU Bayombong Campus,  
Bayombong, Nueva Vizcaya  
Tel. No. 078-321-2112-115 (trunkline)  
Email address: [nvsubacinfra@gmail.com](mailto:nvsubacinfra@gmail.com)

12. You may visit the website:

For downloading of Bidding Documents: [www.nvsu.edu.ph](http://www.nvsu.edu.ph) on June 18, 2024.

**JONAR I. YAGO**  
UBAC Chairperson, Infrastructure

## **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 Completion of Business Stalls and Classrooms for Bambang Campus. with Project Identification Number *Project 2024-08i*.

*[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 Special Trust Fund (F164) source of funding as indicated below for *FY2024* in the amount of Fifteen Million One Hundred Thirty-Seven Thousand pesos only (*Php15,137,000.00*).

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 criterion 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. In joint ventures, a special PCAB License, and registration for the type and cost of the contract for this Project, shall be required. 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 *[one hundred twenty (120) calendar days from the bid opening]*. 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: Completion of Business Stalls and Classrooms for Bambang Campus. <i>[provide description/clarification of what are major categories of work].</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 style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"><u>Key Personnel</u></td> <td style="width: 33%;"><u>General Experience</u></td> <td style="width: 33%;"><u>Relevant Experience</u></td> </tr> <tr> <td>Engineer</td> <td>Civil</td> <td></td> </tr> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Engineer	Civil	
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>					
Engineer	Civil						
10.5	The minimum major equipment requirements are the following:  <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;"><u>Equipment</u></td> <td style="width: 33%;"><u>Capacity</u></td> <td style="width: 33%;"><u>Number of Units</u></td> </tr> </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> Not applicable.						
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 Three Hundred Two Thousand Seven Hundred Forty pesos only (<u>Php302,740.00</u>) <i>[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 Seven Hundred Fifty-Six Thousand Eight Hundred Fifty pesos only (<u>Php756,850.00</u>) <i>[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> Not Applicable						
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 (CSHP) 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> Not Applicable
7.2	<i>[Select one, delete the other.]</i>  <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.
10	<i>[Select one, delete the other:]</i>  a. 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>seven (7)</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> . Not Applicable.
13	The amount of the advance payment is <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> . 15% advance payment.
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. Not Applicable.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> . Not Applicable. The date by which “as built” drawings are required is <i>[date]</i> . Upon final billing.
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> . Not Applicable.

# Section VI. Specifications

## **Notes on Specifications**

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

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

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

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

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

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

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

## **Section VII. Drawings**

*[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/her 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/her 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.

CONTRACTOR'S HEADINGS

Project: **COMPLETION OF BUSINESS STALLS AND CLASSROOMS**  
 Location: **NVSU Compound, Bambang, Nueva Vizcaya**  
 ABC: **P15,137,000.00**  
 Project Duration: **340 CD**

**BILL OF QUANTITIES**

**A. PHASE 2 (CHARGED TO ACCUMULATED SAVINGS, ABC = 6, 402, 000.00)**

ITEM	DESCRIPTION OF WORK	%	QTY	UNIT	UNIT COST	AMOUNT
B.5 (1)	Project Billboard / Signboard		1.00	each		
B.7 (2)	Occupational Safety and Health Program		1.00	LS		
801(1)	Removal of Structures and Obstructions		1.00	ls		
803 (1)a	Structure Excavation, Common Soil (Manual)		119.98	cu.m.		
804(1)a	Embankment From Structure Excavation		94.54	cu.m.		
804(2)a	Embankment From Borrow, Common Soil		63.71	cu.m.		
804 (7)	Gravel Fill		89.99	cu.m.		
900(a)	Structural Concrete, Class A COLUMN FOOTING & SLAB ON GRADE 1		37.78	cu.m.		
900(b)	Structural Concrete, Class A GROUND TIE BEAM		13.72	cu.m.		
900(c)	Structural Concrete, Class A COLUMNS		20.69	cu.m.		
900(d)	Structural Concrete, Class A Second Floor Beams		16.59	cu.m.		
900(e)	Structural Concrete, Class A ROOF BEAMS		6.43	cu.m.		
900(f)	Structural Concrete, Class A FLOOR SLAB		25.93	cu.m.		
900(g)	Structural Concrete, Class A STAIRS		4.23	cu.m.		
900(h)	Structural Concrete, Class A CONCRETE CANOPY		4.74	cu.m.		
902(1)a1	Reinforced Steel(deformed), Grade 40 - COLUMN FOOTING & SLAB ON GRADE 1		2,157.49	kg		
902(1)a2	Reinforced Steel(deformed), Grade 40 - GROUND TIE BEAM		1,892.90	kg		
902(1)a3	Reinforced Steel(deformed), Grade 40 - COLUMN		4,081.94	kg		
902(1)a4	Reinforced Steel(deformed), Grade 40 -SECOND FLOOR BEAMS		3,438.74	kg		
902(1)a5	Reinforced Steel(deformed), Grade 40 -ROOF BEAMS		2,003.73	kg		
902(1)a6	Reinforced Steel(deformed), Grade 40 -FLOOR SLAB		1,855.39	kg		
902(1)a7	Reinforced Steel(deformed), Grade 40 -STAIRS		551.37	kg		
902(1)a8	Reinforced Steel(deformed), Grade 40 -CONCRETE CANOPY		406.51	kg		
902(1)a9	Reinforced Steel(deformed), Grade 40 -CCOUNTER TOP AT CR AND STALLS		59.14	kg		
903 (2)	Formworks and Falseworks		876.33	L		
1000 (1)	Soil Posioning		26.00	L		
1001 (8)	Sewer Line Works		1.00	LS		
1001(9)	Storm Drainage and Downspout		1.00	LS		
1002(4)	Plumbing Fixtures		1.00	LS		

1002 (24)	Cold Water Lines		1.00	LS		
1003(1)a1	Ceiling, Metal Frame, Fiber Cement Board		290.00	sq.m.		
1013(2)b	Fabricated Metal Roofing Accessory, Flashing, 0.6mm thick		156.16	lm		
1014(1)1b1	Prepainted Metal Sheets, above 0.427mm, Rib type, Long Span		299.07	sq.m.		
1027(1)	Cement Plaster Finish		1,045.50	sq.m.		
1032(1)c	Painting Works, Steel		494.88	sq.m.		
1038(1)	Reflective Insulation		360.00	sq.m.		
1046(2)a1	CHB Non Load Bearing (including RSB), 125mm		116.78	sq.m.		
1046(2)a2	CHB Non Load Bearing (including RSB), 100mm		308.27	sq.m.		
1047(2)a	Structural Steel (TRUSS)		3,875.47	kg		
1047(2)b	Structural steel (purlins)		2,008.78	kg		
1047(6)	Metal Structure Accessories (steel Plates)		208.44	kg		
1047(7)b	Metal Structure Accessories (sag rods, cross bracing, turnbuckles)		171.20	kg		
1100(10)	Conduits/Pipes, Boxes, Fittings (Conduit Works/Rough-in)		1.00	LS		
<b>SUB-TOTAL A. PHASE 2 =</b>						

Signed and sealed by:

\_\_\_\_\_  
Civil Engineer  
PRC No.: \_\_\_\_\_ Valid Until: \_\_\_\_\_  
PTR No.: \_\_\_\_\_ Issued On: \_\_\_\_\_  
Issued at: \_\_\_\_\_ TIN No.: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Contractor's Representative

CONTRACTOR'S HEADINGS

Project: **COMPLETION OF BUSINESS STALLS AND CLASSROOMS**  
 Location: **NVSU Compound, Bambang, Nueva Vizcaya**  
 ABC: **P15,137,000.00**  
 Project Duration: **340 CD**

**BILL OF QUANTITIES**

**B. PHASE 3 (CHARGED TO ACCOUNTS RECEIVABLE - FREE HIGHER EDUCATION, ABC = 8, 735, 000.00 )**

ITEM	DESCRIPTION OF WORK	%	QTY	UNIT	UNIT COST	AMOUNT
A.1.1 (11)	Provision of Furniture/Fixtures, Equipment &		1.00	LS		
B.3 (1)	Permits and Clearances		1.00	LS		
B.7 (1)	Field/Laboratory Office & Living Quarters (Rental		1.00	LS		
B.7 (2)	Occupational Safety and Health Program		1.00	LS		
B.16 (1)	Recognition Plate/Marker		29.00	each		
800 (3) a4	Individual Removal of Trees (751 - 900 mm.dia)		1.00	each		
803 (1)a	Structure Excavation, Common Soil (Manual)		87.88	cu.m.		
804 (7)	Gravel Fill		19.46	cu.m.		
900(a)	Structural Concrete, Class A		55.21	cu.m.		
902(1)a1	Reinforced Steel(deformed), Grade 40		1,996.98	kg		
1001(11)	Septic Vault/Tank - CHB (RSB Included)		16.59	LS		
1003(2)a1	Wall Metal Frame with 4.5 Fiber cement board (		6.43	sq.m		
1003(23)	Modular Partition		25.93	LS		
1006(2)	Doors -Flush		4.23	sq.m.		
1007(1)a	Aluminum Framed Glass Door, Sliding Type		4.74	sq.m.		
1008(1)a	Aluminum Framed Glass Windows, Sliding Type		2,157.49	sq.m.		
1010(2)b	Doors, Wood Panel		1,892.90	sq.m.		
1011(1)a	Roll-Up Door		4,081.94	sets		
1018(1)	Glazed Tiles & Trims		3,438.74	sq.m.		
1018(2)	Unglazed Tiles		2,003.73	sq.m.		
1032(1)a	Painting Works, Masonry/Concrete		2,106.26	sq.m.		

1032(1)b	Painting Works, Wood		182.15	sq.m.		
1032(1)c	Painting Works, Steel		813.12	sq.m.		
1043(1)	PVC Doors and Frames		13.44	sq.m.		
1035(2)a	Non-Structural Metal Framing (Window Grills)		1.00	LS		
1035(2)b	Non-Structural Metal Framing (Sunbreaker)		1.00	LS		
1046(2)a1	CHB Non Load Bearing (including RSB), 125mm		84.00	sq.m.		
1047(8)a	Structural Steel- Built up Truss (Beam)		960.64	kg		
1047(8)c	Structural Steel- Cladding Frames and Panels		2,216.49	kg		
1051(1)	Railing Stairs, Ground & 2nd Floor Corridor, Façade		97.96	m		
1101(33)	Wires & Wiring		1.00	LS		
1102(1)	Panelboard with Main & Branch Breakers		1.00	LS		
1102 (17)	Solar Panel with Inverter, Battery and other Devic		1.00	LS		
1103(1)	Lighting Fixtures and Lamps		1.00	LS		
1,200.00	Air Conditioning and Ventilating System		30.00	set		
1202(6)a1	Fire Extinguisher		14.00	set		
1208(2)	Smoke Detector with Base		10.00	set		
1208(4)	Fire Alarm Bell		14.00	set		
1208(6)	Manual Pull Station		14.00	set		
<b>SUB-TOTAL B. PHASE 3 =</b>						
<b>TOTAL ESTIMATED PROJECT COST (SUB-TOTAL A. PHASE 2 + SUB-TOTAL B. PHASE 3) =</b>						

Signed and sealed by:

\_\_\_\_\_  
Civil Engineer  
PRC No.: \_\_\_\_\_ Valid Until: \_\_\_\_\_  
PTR No.: \_\_\_\_\_ Issued On: \_\_\_\_\_  
Issued at: \_\_\_\_\_ TIN No.: \_\_\_\_\_

Submitted by: \_\_\_\_\_  
Contractor's Representative



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Project Billboard / Signboard  
 Item No.: B.5(1)  
 Unit of Measurement: each  
 Output per Hour: 1 each

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	4.00		
b.	Skilled Laborer	1	4.00		
c.	Unskilled Laborer	1	4.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	each		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Plywood Marine (0.00625m x 1.20m x 2.44m)	set	1.00		
b.	Coco Lumber				
c.	Project Sign (tarpaulin)				
d.	CWN Assorted				
	<i>Note:</i>				
	Billboards shall be adopted from the DPWH standard.				
	Project billboard shall be installed prior to the start of the project.				
	Billboard/Signages shall be removed after the construction.				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	N/A
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Occupation Safety and Health  
 Item No.: B.7(2)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	Duration: 92.00				
a.	Safety Practitioner/ Officer (Full time)	1	104.00		
b.	Health Personnel - First Aider (Full time)	1	104.00		
c.	Health Personnel - Sanitation Aide (Full time)	1	104.00		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
<b>SUB TOTAL (B)</b>					
C.	<b>Total (A + B)</b>				
D.	Output per Hour	1	LS		
E.	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<b>PPE (Rental Basis):</b>				
a.	Safety Helmets	MD	1,283.00		
b.	Safety Gloves (Rubber palm Orange 90g)	MD	1,283.00		
c.	Safety Shoes	MD	1,283.00		
d.	Safety Vest	MD	1,283.00		
e.	Body Harness and Lanyard	MD	210.00		
f.	Dust Mask	MD	218.00		
g.	Eye Goggles	MD	23.00		
h.	Ear Muff	MD	23.00		
J.	Consumables (varoius medicines, etc.)	LS	1.00		
	<b>Signage &amp; Baricades:</b>				
k.	PPE signage (4' x 8')	set	3.00		
l.	Safety First (4' x 4')	set	2.00		
m.	Warning Signs (2' x 3')	set	3.00		
n.	Caution Tape, 100ft	roll	2.00		
<b>Sub Total (F)</b>					
G.	Direct Unit Cost (E + F)	(E + F)			
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses	15%,12%,10%,8% of G			N/A
I.	Contractor's Profit (CP)	10%, 8% of G			
J.	Value Added Tax (Vat)	5% of (G+H+I)			
K.	Total Unit Cost	(G + H + I + J)			









**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Gravel Fill  
 Item No.: 804(7)  
 Unit of Measurement: cu.m.  
 Output per Hour: 1.20 cu.m.

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	74.91		
b.	Unskilled Laborer	3	74.91		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	Plate Compactor (5 hp)	1	37.46		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1.20	Cu.m.		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Gravel G-1	cu.m.	94.49		
	Note: Considered 5% compaction rate				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Concrete, Class A COLUMN FOOTING & SLAB ON GRADE 1  
 Item No.: 900(a)  
 Unit of Measurement: cu.m  
 Output per Hour: 0.56 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	67.40		
b.	Skilled Laborer	1	67.40		
c.	Unskilled Laborer	4	67.40		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	One Bagger Mixer, 4.0-6.0 cu.ft/min cap Minor Tools (10% of Labor Cost)	1	67.40		
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	0.357	cu.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Gravel G-1	cu.m.	38		
b.	Sand	cu.m.	19		
c.	Portland Cement	bags	344		
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		





**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Concrete, Class A COLUMNS  
 Item No.: 900(c)  
 Unit of Measurement: cu.m  
 Output per Hour: 0.357 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	57.96		
<b>b.</b>	Skilled Laborer	1	57.96		
<b>c.</b>	Unskilled Laborer	4	57.96		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	One Bagger Mixer, 4.0-6.0 cu.ft/min cap Minor Tools (10% of Labor Cost)	1	57.96		
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	0.357	cu.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Gravel G-1	cu.m.	21		
<b>b.</b>	Sand	cu.m.	10		
<b>c.</b>	Portland Cement	bags	188		
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Concrete, Class A Second Floor Beams  
 Item No.: 900(d)  
 Unit of Measurement: cu.m  
 Output per Hour: 0.357 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	46.47		
b.	Skilled Laborer	1	46.47		
c.	Unskilled Laborer	4	46.47		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	One Bagger Mixer, 4.0-6.0 cu.ft/min cap	1	46.47		
	Minor Tools (10% of Labor Cost)	1	7.73		
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	0.357	Cu.m.		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Gravel G-1	cu.m.	17		
b.	Sand	cu.m.	8		
c.	Portland Cement	bags	149		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Concrete, Class A ROOF BEAMS  
 Item No.: 900(e)  
 Unit of Measurement: cu.m  
 Output per Hour: 0.357 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	<b>Labor</b>				
a.	Construction Foreman	1	18.01		
b.	Skilled Laborer	1	18.01		
c.	Unskilled Laborer	4	18.01		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	<b>Equipment</b>				
a.	One Bagger Mixer, 4.0-6.0 cu.ft/min cap Minor tools (10% of Labor Cost)	1	18.01		
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	0.357	Cu.m		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	<b>Materials</b>				
a.	Gravel G-1	cu.m.	6		
b.	Sand	cu.m.	3		
c.	Portland Cement	bags	59		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>		15%,12%,10%,8% of G		
<b>I.</b>	<b>Contractor's Profit (CP)</b>		10%, 8% of G		
<b>J.</b>	<b>Value Added Tax (Vat)</b>		5% of (G+H+I)		
<b>K.</b>	<b>Total Unit Cost</b>			<b>(G + H + I + J)</b>	



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work:     Structural Concrete, Class A STAIRS  
 Item No.:                 900(g)  
 Unit of Measurement: cu.m  
 Output per Hour:         0.357 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	11.85		
b.	Skilled Laborer	1	11.85		
c.	Unskilled Laborer	4	11.85		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	One Bagger Mixer, 4.0-6.0 cu.ft/min cap	1	11.85		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	0.357	Cu.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Gravel G-1	cu.m.	4		
b.	Sand	cu.m.	2		
c.	Portland Cement	bags	38		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Concrete, Class A CONCRETE CANOPY  
 Item No.: 900(h)  
 Unit of Measurement: cu.m  
 Output per Hour: 0.357 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	13.28		
<b>b.</b>	Skilled Laborer	1	13.28		
<b>c.</b>	Unskilled Laborer	4	13.28		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	One Bagger Mixer, 4.0-6.0 cu.ft/min cap Minor Tools (10% of Labor Cost)	1	13.28		
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	0.357	Cu.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Gravel G-1	cu.m.	5		
<b>b.</b>	Sand	cu.m.	2		
<b>c.</b>	Portland Cement	bags	43		
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		







**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Reinforced Steel(deformed), Grade 40 - GROUND TIE BEAM  
 Item No.: 902(1)a2  
 Unit of Measurement: kg  
 Output per Hour: 129.094 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	14.30		
<b>b.</b>	Skilled Laborer	3	14.30		
<b>c.</b>	Unskilled Laborer	12	14.30		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	Bar Cutter	1	7.15		
<b>b.</b>	Bar Bender	1	7.15		
	Minor Tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	129.094	kg		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Deformed Reinforcing Steel	kg	1,892.9		
<b>b.</b>	Galvanized Iron Tie Wire #16	kg	32.000		
	Consumables (5% of Materials Cost)				
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		



G.	Direct Unit Cost (E + F)	(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses	15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)	10%, 8% of G	
J.	Value Added Tax (Vat)	5% of (G+H+I)	
K.	Total Unit Cost	(G + H + I + J)	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Reinforced Steel(deformed), Grade 40 – SECOND FLOOR BEAMS  
Item No.: 902(1)a4  
Unit of Measurement: kg  
Output per Hour: 129.094 kg

	Designation	No of	No. of	Hourly	Amount
		Person/ s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	26.00		
b.	Skilled Laborer	3	26.00		
c.	Unskilled Laborer	12	26.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./ s	Hour/s	Rate	Cost
B.	Equipment				
a.	Bar Cutter	1	13.00		
b.	Bar Bender	1	13.00		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	129.094	kg		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Deformed Reinforcing Steel	kg	3438.74		
b.	Galvanized Iron Tie Wire #16	kg	51.000		
c.	Steel Deck 1.00mm thick	sq.m.	198.00		
	Consumables (3% of Materials Cost)				





**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Reinforced Steel(deformed), Grade 40 -FLOOR SLAB  
 Item No.: 902(1)a6  
 Unit of Measurement: kg  
 Output per Hour: 129.094 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	14.37		
<b>b.</b>	Skilled Laborer	3	14.37		
<b>c.</b>	Unskilled Laborer	12	14.37		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	Bar Cutter	1	7.19		
<b>b.</b>	Bar Bender	1	7.19		
	Minor Tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	129.094	kg		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Deformed Reinforcing Steel	kg	1855.39		
<b>b.</b>	Galvanized Iron Tie Wire #16	kg	15.000		
	Consumables (5% of Materials Cost)				
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Reinforced Steel(deformed), Grade 40 -STAIRS  
 Item No.: 902(1)a7  
 Unit of Measurement: kg  
 Output per Hour: 129.094 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	4.27		
b.	Skilled Laborer	3	4.27		
c.	Unskilled Laborer	12	4.27		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	Bar Cutter	1	2.14		
b.	Bar Bender	1	2.14		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	129.094	kg		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Deformed Reinforcing Steel	kg	551.37		
b.	Galvanized Iron Tie Wire #16	kg	6.000		
	Consumables (5% of Materials Cost)				
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		





**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Reinforced Steel(deformed), Grade 40 -CCOUNTER TOP AT CR AND STALLS  
 Item No.: 902(1)a9  
 Unit of Measurement: kg  
 Output per Hour: 129.094 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	0.46		
<b>b.</b>	Skilled Laborer	3	0.46		
<b>c.</b>	Unskilled Laborer	12	0.46		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	Bar Cutter	1	0.23		
<b>b.</b>	Bar Bender	1	0.23		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	129.094	kg		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Deformed Reinforcing Steel	kg	59.14		
<b>b.</b>	Galvanized Iron Tie Wire #16	kg	7		
	Consumables (5% of Materials Cost)				
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Formworks and Falseworks  
 Item No.: 903(2)  
 Unit of Measurement: sq.m  
 Output per Hour: 4.50 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	Installation				
a.	Construction Foreman	1	194.74		
b.	Skilled Laborer	4	194.74		
c.	Unskilled Laborer	6	194.74		
	Stripping				
a.	Construction Foreman	1	109.05		
b.	Unskilled Laborer	6	109.05		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	H-Frame 1.7m x 1.2m, set	47	14.00		
	2 pcs H-Frames				
	4 pcs diagonal cross braces				
	4 pcs Horizontal cross braces				
	8 pcs joint pins				
b.	Shoring Jack, 3.8m full extension	70	14.00		
c.	Adj. U-head Jack, 0.60m	90	14.00		
d.	Adj. Base Jack, 6.0m	90	14.00		
e.	1-1/2" GI Pipe x 6.0m	70	14.00		
f.	1-1/2" GI Pipe x 4.0m	35	14.00		
g.	1-1/2" GI Pipe x 3.0m	20	14.00		
h.	1-1/2" GI Pipe x 1.0m	238	14.00		
i.	Tie Rod x 0.60m	308	14.00		
J.	Round Wing Not	617	14.00		
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	4.50	Sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Phenolic Board (0.019m x 1.4m x 2.44m) - 5 uses	pcs	61.00		
b.	Good Lumber - 3 uses	bd ft	1,380.81		

c.	Assorted Common Wire Nails	kg	184.00		
d.	Consumables (5% of Materials Cost)				
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Soil Posioning  
Item No.: 1000(1)  
Unit of Measurement: L  
Output per Hour: 5.40 L

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	4.81		
b.	Skilled Laborer	2	4.81		
c.	Unskilled Laborer	4	4.81		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	5.40	L		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit	Amount
				Cost	
F.	Materials				
a.	Soil Poisoning (Pesticide)	L	3.0		



E. Direct Unit Cost (C/D)					
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F. Materials					
a.	4" dia. X 3m uPVC Pipe S1000	pcs	24.00		
b.	4" x 4" uPVC Wye S1000	pcs	22.00		
c.	4" dia. x 135° uPVC Elbow S1000	pcs	16.00		
d.	4" dia. x 90° uPVC Elbow S1000	pcs	10.00		
e.	4" dia. Clean Out with Plug	pcs	12.00		
f.	4" x 2" uPVC Tee Reducer S100	pcs	8.00		
g.	3" dia. X 3m uPVC Pipe S1000	pcs	28.00		
h.	3" x 3" uPVC Wye S1000	pcs	34.00		
i.	3" dia. x 135° uPVC Elbow S1000	pcs	18.00		
j.	3" dia. x 90° uPVC Elbow S1000	pcs	6.00		
k.	3" dia. Clean Out with Plug	pcs	17.00		
l.	3" x 3" uPVC Sanitary Tee S1000	pcs	6.00		
m.	3" x 2" uPVC Wye Reducer S100	pcs	19.00		
n.	2" dia. X 3m uPVC Pipe S1000	pcs	16.00		
o.	2" x 2" uPVC Wye S1000	pcs	24.00		
p.	2" dia. x 135° uPVC Elbow S1000	pcs	12.00		
q.	2" dia. x 90° uPVC Elbow S1000	pcs	14.00		
r.	2" x 2" uPVC Sanitary Tee S1000	pcs	7.00		
s.	2" dia. Clean Out with Plug	pcs	7.00		
t.	2" dia. uPVC P-trap S1000	pcs	24.00		
u.	PVC Solvent, 100cc	can	16.00		
v.	Consumables (5% of materials cost)	LS	1.00		
Scope of Work:					
1. Installation of uPVC sewerline pipes.					
Note:					
1. All inlet pipes of plumbing fixture drains shall be by a plug or fabricated uPVC pipes.					
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Storm Drainage and Downspout  
 Item No.: 1001(9)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	16.00		
b.	Skilled Laborer	1	16.00		
c.	Unskilled Laborer	2	16.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	4" dia. X 3m uPVC Pipe S1000	pc	18.00		
b.	4" dia. x 90° uPVC Elbow S1000	pc	35.00		
c.	PVC Solvent, 100cc	can	4.00		
	Consumables (3% of materials cost)	LS	1.00		
	Scope of Work:				
	1. Installation of downspout				
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Plumbing Fixtures  
 Item No.: 1002 (4)  
 Unit of Measurement: 1  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	64.80		
<b>b.</b>	Skilled Laborer	1	64.80		
<b>c.</b>	Unskilled Laborer	2	64.80		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	1	LS		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Water Closet (elongated w/ flush tank, and accessories, American Standard, HCG or equivalent)	set	15.00		
<b>b.</b>	Lavatory, (ceramic, american standard, HCG or equivalent)	set	7.00		
<b>c.</b>	Urinal (HCG, American Standard, waterless ceramic urinal or equivalent)	set	3.00		
<b>d.</b>	Kitchen Sink	set	6.00		
<b>e.</b>	Heavy Duty Stainless Steel Gooseneck Tap Faucet	pcs	6.00		
<b>f.</b>	Lavatory Faucet	pcs	11.00		
<b>g.</b>	Stainless Hand Bidet	set	15.00		
<b>h.</b>	Stainless Floor Drain 4"x4"	pcs	12.00		
<b>i.</b>	Water Meter	pcs	6.00		
<b>j.</b>	1/2" PPR- Gate Valve	set	8.00		
<b>k.</b>	Self Closing Urinal Flash Valve	set	3.00		
<b>l.</b>	Angle Valve 1/2"x 1/2", Stainless, Two Way	pcs	15.00		
<b>m.</b>	Angle Valve 1/2", Stainless, One Way	pcs	17.00		



n.	Flexible Hose, 1/2" x 1/2"	pcs	32.00		
o.	Consumables (5% of materials cost)	LS	1.00		
	Scope of Work:				
	1. Installation of plumbing fixtures				
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Cold Water Lines  
Item No.: 1002 (24)  
Unit of Measurement: LS  
Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	31.58		
b.	Skilled Laborer	1	31.58		
c.	Unskilled Laborer	2	31.58		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	1" Ø x 4m PPR Pipe PN 20				
b.	1" Ø PPR Elbow	kg	406.51		
c.	1" Ø PPR Coupling	kg	8		

d.	1"x1/2" Ø PPR Tee Reducer				
e.	1"x1/2" Ø PPR Elbow Reducer				
f.	1/2" PPR Union Patente				
g.	1/2" Ø x 4m PPR Pipe PN 20				
h.	1/2" Ø PPR Coupling				
i.	1/2" Ø PPR Elbow				
j.	1/2" Ø PPR Threaded Elbow				
k.	PPR Cap, 1/2" Ø				
l.	Consumables (3% of materials cost)				
	Scope of Work:				
	1. Installation of cold water lines				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

#### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Ceiling, Metal Frame, Fiber Cement Board  
Item No.: 1003(1)a1  
Unit of Measurement: sq.m  
Output per Hour: 1.243 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	116.65		
b.	Skilled Laborer	2	116.65		
c.	Unskilled Laborer	4	116.65		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1.243	Sq.m		
E.	Direct Unit Cost (C/D)				

	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<b>Classrooms</b>				
a.	Fiber Cement Board, 4.5mm x 4' x 8'	pc	53.00		
b.	Metal Double Furring Channel, 0.60mm thk. x 19mm x 50mm x 5m	pc	162.00		
c.	Metal Carrying Channel, 1.00mm thk x 12mm x 38mm x 5m	pc	51.00		
d.	Rod suspension hanger w/adjustment spring	pc	144.00		
e.	Metal Furring Clip	pc	864.00		
f.	Wall Angle,0.50mm thk x25mmx25mm x 3m	pc	34.00		
g.	Blind Rivets, 5/32" x 3/4"	pc	2,016.00		
h.	1" Metal Screw	pc	576.00		
i.	2" x 30m Mechtape	roll	7.00		
j.	Consumables	ln.m	1.00		
	<b>Hallway, Stairs &amp; Eaves</b>				
k.	0.4mm thk x 6" perforated spandrel	ln.m	1,080.00		
l.	End Moulding 6" x 8"	pc	75.00		
m.	Metal Double Furring Channel, 0.60mm thk. x	pc	60.00		
n.	#12 x 55mm Teckscrew w/ neoprene washer	pc	295.00		
o.	1/8" x 1/2" Blind Rivets	pc	1,450.00		
p.	Concrete Nail 1"	kg	2.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Fabricated Metal Roofing Accessory, Flashing, 0.6mm thick  
 Item No.: 1013(2)b  
 Unit of Measurement: ln.m  
 Output per Hour: 10.00 ln.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
<b>a.</b>	Construction Foreman	1	7.81		
<b>b.</b>	Skilled Laborer	2	7.81		
<b>c.</b>	Unskilled Laborer	2	7.81		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	10.00	Ln.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<b>Ground roofing</b>				
<b>a.</b>	Prepainted End flashing x0.6mm thk x 2.44m	pc	1.00		
<b>b.</b>	Prepainted Wallflashing x0.6mm thk x 2.44m	pc	5.00		
<b>c.</b>	Prepainted gutter x 0.6mm thk x 2.44m	pc	1.00		
	<b>Main Roof</b>				
<b>d.</b>	Prepainted End flashing x0.6mm thk x 2.44m	pc	17.00		
<b>e.</b>	Prepainted fascia cover x0.6mm thk x 2.44m	pc	28.00		
<b>f.</b>	Prepainted gutter x 0.6mm thk x 2.44m	pc	12.00		
<b>g.</b>	1/8" x 1/2" Blind Rivet	pcs	1216.00		
<b>h.</b>	G.I Strap 12" x 12"	pcs	120.00		
	Consumables (3% of Material Cost)				
Sub Total (F)					

G.	Direct Unit Cost (E + F)	(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses	15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)	10%, 8% of G	
J.	Value Added Tax (Vat)	5% of (G+H+I)	
K.	Total Unit Cost	(G + H + I + J)	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work:      Prepainted Metal Sheets, above 0.427mm, Rib type, Long Span  
Item No.:                    1014(1)1b1  
Unit of Measurement: sq.m  
Output per Hour:         2.08 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
<b>a.</b>	Construction Foreman	1	143.49		
<b>b.</b>	Skilled Laborer	1	143.49		
<b>c.</b>	Unskilled Laborer	2	143.49		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	2.08	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
<b>a.</b>	Prepainted Metal Sheets 0.5mm thk double rib	sq.m	314.02		
<b>b.</b>	2 1/2" x 1/4" J - bolt w/ nut and banded washer	pc	2979.00		
	Consumables (5% of Material Cost)				

Sub Total (F)					
G.	Direct Unit Cost (E + F)				(E + F)
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses				15%,12%,10%,8% of G
I.	Contractor's Profit (CP)				10%, 8% of G
J.	Value Added Tax (Vat)				5% of (G+H+I)
K.	Total Unit Cost				(G + H + I + J)

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Cement Plaster Finish  
Item No.: 1027(1)  
Unit of Measurement: sq.m  
Output per Hour: 7.125 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	146.74		
b.	Skilled Laborer	2	146.74		
c.	Unskilled Laborer	4	146.74		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	7.125	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Portland Cement	bag	314.00		
b.	Sand	cu.m.	29.000		
Sub Total (F)					
G.	Direct Unit Cost (E + F)				(E + F)
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses				15%,12%,10%,8% of G
I.	Contractor's Profit (CP)				10%, 8% of G
J.	Value Added Tax (Vat)				5% of (G+H+I)
K.	Total Unit Cost				(G + H + I + J)

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Reflective Insulation  
 Item No.: 1038(1)  
 Unit of Measurement: sq.m  
 Output per Hour: 5.560 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	64.75		
b.	Skilled Laborer	1	64.75		
c.	Unskilled Laborer	2	64.75		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	5.560	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Reflective Insulation (Double Bubble Double Sided One Meter wide, 1 cm thk)	ln.m	346.00		
b.	Wishmesh Screen, 4ft x 25m	roll	24.00		
c.	Tie Wire #16	kg	10.00		
	Consumables (Aluminum Foil Tape/Adhesive)	LS	1.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work:     Painting Works, Steel  
 Item No.:                 11032(1)c  
 Unit of Measurement: sq.m  
 Output per Hour:         2.00 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	247.44		
b.	Skilled Laborer	2	247.44		
c.	Unskilled Laborer	1	247.44		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	2.00	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Epoxy Metal Primer Paint , Gray (1ga./pair)	gal	20.00		
b.	Paint Thinner	gal	32.00		
	Consumables (5% of Material Cost)				
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: CHB Non Load Bearing (including RSB), 125mm  
 Item No.: 1046(2)a1  
 Unit of Measurement: sq.m  
 Output per Hour: 3.825 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	15.26		
<b>b.</b>	Skilled Laborer	2	15.26		
<b>c.</b>	Unskilled Laborer	4	15.26		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	One Bagger Mixer, 4.0-6.0 cu.ft/min cap	1	7.63		
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	3.825	sq.m		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	CHB Ordinary (125mm x 200mm x 400mm)	pc	1518.00		
<b>b.</b>	Portland Cement	bag	63.000		
<b>c.</b>	Sand	cu.m.	5.000		
<b>d.</b>	Reinforcing Steel Bars Deformed Grade 40	kg	222.000		
<b>e.</b>	GI Tie Wire #16	kg	6.00		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>			15%,12%,10%,8% of G	
<b>I.</b>	<b>Contractor's Profit (CP)</b>			10%, 8% of G	
<b>J.</b>	<b>Value Added Tax (Vat)</b>			5% of (G+H+I)	
<b>K.</b>	<b>Total Unit Cost</b>			<b>(G + H + I + J)</b>	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: CHB Non Load Bearing (including RSB), 100mm  
 Item No.: 1046(2)a2  
 Unit of Measurement: sq.m  
 Output per Hour: 3.825 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	37.75		
<b>b.</b>	Skilled Laborer	2	37.75		
<b>c.</b>	Unskilled Laborer	4	37.75		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	One Bagger Mixer, 4.0-6.0 cu.ft/min cap Minor tools (10% of Labor Cost)	1	18.88		
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	3.825	sq.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	CHB Ordinary (125mm x 200mm x 400mm)	pc	4008.00		
<b>b.</b>	Portland Cement	bag	162.000		
<b>c.</b>	Sand	cu.m.	13.000		
<b>d.</b>	Reinforcing Steel Bars Deformed Grade 40	kg	814.000		
<b>e.</b>	GI Tie Wire #16	kg	16.00		
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Steel (TRUSS)  
 Item No.: 1047(2)a  
 Unit of Measurement: kg  
 Output per Hour: 85.00 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	<b>Fabrication</b>				
a.	Construction Foreman	1	45.50		
b.	Skilled Laborer	2	45.50		
c.	Unskilled Laborer	2	45.50		
	<b>Erection</b>				
a.	Skilled Laborer	3	22.30		
b.	Unskilled Laborer	3	22.30		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a	Welding Machine (300)	1.00	34.13		
	Cutting Outfit	1.00	11.38		
	Truck Mounted Crane (20-25mt)	1.00	22.29		
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
C.	<b>Total (A + B)</b>				
D.	Output per Hour	85.00	kg		
E.	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Angle bar 6mmx50mmx50mmx 6.0	kg	2,625.42		
b	Angle bar 6mmx38mmx38mm x 6.00	kg	1,111.60		
c	2" x 4" x 6.0m x 1.5mm thk GI Tubular	kg	83.40		
d.	Cleats angle bar 4mmx50mmx50xx-x6.0	kg	55.05		
e.	Acetylene(content only)	kg	43.00		
f.	oxygen(content only)	kg	86.00		
g.	Welding Rod	kg	78.00		
	Consumable Materials (5% of material cost)				
<b>Sub Total (F)</b>					
G.	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
H.	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>			15%,12%,10%,8% of G	
I.	<b>Contractor's Profit (CP)</b>			10%, 8% of G	
J.	<b>Value Added Tax (Vat)</b>			5% of (G+H+I)	
K.	<b>Total Unit Cost</b>			<b>(G + H + I + J)</b>	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Steel (purlins)  
 Item No.: 1047(2)b  
 Unit of Measurement: kg  
 Output per Hour: 90.450 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	22.20		
<b>b.</b>	Skilled Laborer	2	22.20		
<b>c.</b>	Unskilled Laborer	4	22.20		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	Welding Machine (300)	1	22.20		
<b>b.</b>	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	90.450	kg		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Structural Steel Purlins 1.5mmx50mmx100mm	kg	2,008.78		
<b>b.</b>	Structural Steel Purlins 2.0mmx50mmx150mm	kg	610.56		
	Welding Rod	kg	40.00		
	Consumables (5% of Material Cost)				
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Metal Structure Accessories (steel plates)  
 Item No.: 1047(6)  
 Unit of Measurement: kg  
 Output per Hour: 13.00 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
	Fabrication				
<b>a.</b>	Construction Foreman	1	16.00		
<b>b.</b>	Skilled Laborer	2	16.00		
<b>c.</b>	Unskilled Laborer	2	16.00		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	12.995	kg		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Gusset Plate 5mm x 100 x 6,0	kg	208.44		
	Consumables (3% of Material Cost)				
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
<b>I.</b>	Contractor's Profit (CP)			10%, 8% of G	
<b>J.</b>	Value Added Tax (Vat)			5% of (G+H+I)	
<b>K.</b>	Total Unit Cost			(G + H + I + J)	



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Conduits/Pipes, Boxes, Fittings (Conduit Works/Rough-in)  
 Item No.: 1100 (10)  
 Unit of Measurement: LS  
 Output per Hour: All

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	101.00		
b.	Skilled Laborer	2	101.00		
c.	Unskilled Laborer	2	101.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	All		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	<b>For Electrical Works</b>				
b.	20mmØ uPVC Thickwall (3m)	pc	454.00		
a.	Junction Box, octagonal,PVC,orange, w/ cover	pc	85.00		
b.	Pull Box,4"x4",PVC,orange, w/ cover	pc	12.000		
d.	Utility Box, 2"x4", deep type, PVC, orange, flush type	pc	94.000		
e.	Butane gas (270 ml)	can	15.000		
f.	Blow torch, heavy duty (for butane gas)	pc	3.000		
g.	<b>For FDAS Works</b>				
h.	20mmØ IMC	pc	44.000		
i.	Junction Box, octagonal,GI,orange, w/ cover	pc	19.000		
j.	IMC Coupling,20mmØ	pc	31.000		
k.	Consumables(Screw,Tocks,etc.) 3% of Material Cost	ls	1.000		
Sub Total (F)					
G.	Direct Unit Cost (E + F)				(E + F)
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses				15%,12%,10%,8% of G
I.	Contractor's Profit (CP)				10%, 8% of G
J.	Value Added Tax (Vat)				5% of (G+H+I)
K.	Total Unit Cost				(G + H + I + J)

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Provision of Furniture/Fixtures, Equipment & Appliances for the Field office for the Engineer  
 Item No.: A.1.1 (11)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of Person/s	No. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
Sub Total (A)					
	Name and Capacity	No. of Equipt./s	No of Hour/s	Hourly Rate	Total Cost
B.	Equipment				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
		set	1.00		
a.	Desktop Computer Unit i7 12th gen, Nvidia RTX 4060, 32GB RAM, MOBO - MSI H610M Memory - 1TB, SSD 2.5" PSU - CX550 corsair Mechanical keyboard and mouse 24" monitor UPS 650VA				
b.	Office Printer EPSON L15150	each	1.00		
c.	Office Table Tempered Glass Wide table (0.80m x 1.50m)	set	3.00		
d.	Ergonomic Office Chair Note: All furniture/Fixtures, Equipment & Appliances shall be turned over at PPSDS - Infra Office				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	N/A
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Permits and Clearances  
 Item No.: B.3 (1)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<b>Building Permit for the repair/improvement</b>				
a.	Building Permit Processing Fee	LS	1.00		
b.	Professional fees	LS	1.00		
c.	Locational Zoning Clearance Fee	LS	1.00		
d.	Fire Safety Evaluation Clearance Fee	LS	1.00		
e.	Barangay Clearance Fee	LS	1.00		
f.	Plans and Document Reproduction	LS	1.00		
g.	Notarial Fees	LS	1.00		
	<b>Occupancy Permit for the repair/improvement</b>				
h.	Occupancy Permit Processing Fee	LS	1.00		
i.	Professional fees	LS	1.00		
j.	Fire Safety Inspection Clearance Fee	LS	1.00		
k.	Plans and Documents reproductions	LS	1.00		
l.	Notarial Fees	LS	1.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		N/A
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Field/Laboratory Office & Living Quarters (Rental Basis)  
 Item No.: B.7 (1)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of		Man-Days	Hourly Rate	Amount (PhP)
		Person/s				
A.	Labor					
a.	Construction Foreman	1		8.00		
b.	Skilled Laborer	2		8.00		
c.	Unskilled Laborer	2		8.00		
Sub Total (A)						
	Name and Capacity	No. of Equipt./s	No of Hour/s	Hourly Rate	Total Cost	
B.	Equipment					
SUB TOTAL (B)						
C.	Total (A + B)					
D.	Output per Hour	1	LS			
E.	Direct Unit Cost (C/D)					
	Name and Specification	Unit	Quantity	Unit Cost	Amount	
F.	Materials					
a.	Construction of Temporary Field Office, Bunkhouse with C.R., wash area, water supply, electrical supply, and waste disposal pit.	LS	1.00			
	<i>Note:</i>					
	1. All materials to be used for this item shall be rental basis.					
	2. Field office location shall be identified by PPSDS-Infra section upon resume of the construction.					
	3. Temporary field office shall be removed after the completion of the project. The area shall be free from waste/debris.					
	4. Water supply line shall be provided with non-defective water meter to be installed once the project commenced.					
	5. Power supply line shall be provided with non-defective electric meter.					
	6. Field office and bunkhouse shall be properly maintained at all times.					
Sub Total (F)						
G.	Direct Unit Cost (E + F)			(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G		N/A
I.	Contractor's Profit (CP)			10%, 8% of G		
J.	Value Added Tax (Vat)			5% of (G+H+I)		
K.	Total Unit Cost			(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Occupational Safety and Health Program  
 Item No.: B.7 (2)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	Duration: 71.00				
a.	Safety Practitioner/ Officer (Full time)	1	71.00		
b.	Health Personnel - First Aider (Full time)	1	71.00		
c.	Health Personnel - Sanitation Aide (Full time)	1	71.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<b>PPE (Rental Basis):</b>				
a.	Safety Helmets				
b.	Safety Gloves (Rubber palm Orange 90g)	MD	1,640.00		
c.	Safety Shoes	MD	1,640.00		
d.	Safety Vest	MD	1,142.00		
e.	Body Harness and Lanyard	MD	1,640.00		
f.	Dust Mask	MD	77.00		
g.	Eye Goggles	MD	189.00		
h.	Ear Muff	MD	51.00		
i.	Rubber Boots	MD	24.00		
J.	Consumables (varoius medicines, etc.)	MD	663.00		
	<b>Signage &amp; Baricades:</b>	LS	1.00		
k.	PPE signage (4' x 8')				
l.	Safety First (4' x 4')	set	1.00		
m.	Warning Signs (2' x 3')	set	2.00		
n.	Caution Tape, 100ft	set	3.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	N/A
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Recognition Plate/Marker  
 Item No.: B.16 (1)  
 Unit of Measurement: each  
 Output per Hour: 2 each

A.	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	14.50		
b.	Skilled Laborer	1	14.50		
Sub Total (A)					
B.	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	2	each		
E.	Direct Unit Cost (C/D)				
F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Acrylic Type Project Marker with complete information & fastener, 30cm x 40cm	each	1.00		
b.	Stainless Lettering, Cut to Size (Maximum of 50cm H) (Maximum of 415mm H x 2" T) see plan <b>(NUEVA VIZCAYA STATE UNIVERSITY)</b>	each	27.00		
c.	NVSU Logo (2m diameter)	each	1.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Individual Removal of Trees (751 - 900 mm.dia)  
 Item No.: 800 (3)a4  
 Unit of Measurement: each  
 Output per Hour: 1 each

	Designation	No. of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	5.34		
b.	Skilled Laborer	1	5.34		
c.	Unskilled Laborer	2	5.34		
Sub Total (A)					
	Name and Capacity	No. of	No. of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	Backhoe (0.80 cu.m.)	1	4.00		
b.	Dumptruck (12 cubic yards)	1	2.67		
c.	Chain Saw	1	2.67		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	each		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	Scope:				
	Cutting and sizing. Cut trees shall be size into dos lapad.				
	Tree root shall be remove all and dumped at the proper location				
	Proper turnover of all sized lumber to the supply office.				
	This item shall be properly coordinated to the concerned office prior to the cutting activities.				
Sub Total (F)					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Individual Removal of Trees (301 - 500 mm.dia)  
 Item No.: 800 (3)a2  
 Unit of Measurement: each  
 Output per Hour: 1 each

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	35.33		
b.	Skilled Laborer	2	35.33		
c.	Unskilled Laborer	4	35.33		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	Backhoe (0.80 cu.m.)	1	35.78		
b.	Dumptruck (12 cubic yards)	1	35.33		
	Chain Saw	2	35.33		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	each		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	Scope:				
	Cutting and sizing. Cut trees shall be size into dos lapad.				
	Tree root shall be remove all and dumped at the proper location				
	Proper turnover of all sized lumber to the supply office.				
	This item shall be properly coordinated to the concerned office prior to the cutting activities.				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work:     Structure Excavation, Common Soil (Manual)  
 Item No.:                 803 (1)a  
 Unit of Measurement: cu.m  
 Output per Hour:         20.00 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	4.39		
b.	Unskilled Laborer	3	4.39		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
a.	Backhoe (0.80 cu.m.)	1	4.39		
b.	Dumptruck (12 cubic yards)	2	4.39		
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	20.00	cu.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Gravel Fill  
 Item No.: 804 (7)  
 Unit of Measurement: cu.m  
 Output per Hour: 1.20 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	16.22		
<b>b.</b>	Unskilled Laborer	3	16.22		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	Plate Compactor (5 hp) Minor Tools (10% of Labor Cost)	1	8.11		
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	1.20	cu.m		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Gravel G-1 (w/ 5% Shrinkage Factor)	cu.m.	21.00		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>			15%,12%,10%,8% of G	
<b>I.</b>	<b>Contractor's Profit (CP)</b>			10%, 8% of G	
<b>J.</b>	<b>Value Added Tax (Vat)</b>			5% of (G+H+I)	
<b>K.</b>	<b>Total Unit Cost</b>			<b>(G + H + I + J)</b>	



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Concrete, Class A  
 Item No.: 900(a)  
 Unit of Measurement: cu.m  
 Output per Hour: 0.357 cu.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	98.59		
<b>b.</b>	Skilled Laborer	1	98.59		
<b>c.</b>	Unskilled Laborer	4	98.59		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
<b>a.</b>	One Bagger Mixer	1	98.59		
	Minor Tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	0.357	cu.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Gravel G-1	cu.m.	55		
<b>b.</b>	Sand	cu.m.	28		
<b>c.</b>	Portland Cement	bags	502		
	Scope:				
	Structure concrete of septic tank, front slab, catch basin and wall footing				
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
<b>I.</b>	Contractor's Profit (CP)			10%, 8% of G	
<b>J.</b>	Value Added Tax (Vat)			5% of (G+H+I)	
<b>K.</b>	Total Unit Cost			(G + H + I + J)	



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Septic Vault/Tank - CHB (RSB Included)  
 Item No.: 1001(11)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
a.	Construction Foreman	1	12.50		
b.	Skilled Laborer	4	12.50		
c.	Unskilled Laborer	6	12.50		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
a.	One Bagger Mixer, 4.0-6.0 cu.ft/min cap Minor tools (10% of Labor Cost)	1.00	12.50		
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	1	LS		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
a.	CHB Ordinary (101mm x 203mm x 406mm)	pcs	999.00		
b.	Sand	cu.m.	6.00		
c.	Portland Cement	bag	64.00		
d.	Reinforcing Steel Bars, Grade 40	kg	203.00		
e.	GI Tie Wire #16	kg	4.00		
	Plaster Finish				
f.	Portland Cement	bags	24.00		
g.	Sand	cu.m.	2.00		
h.	Cement-based Water Proofing	bags	24.00		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>		15%,12%,10%,8% of G		
<b>I.</b>	<b>Contractor's Profit (CP)</b>		10%, 8% of G		
<b>J.</b>	<b>Value Added Tax (Vat)</b>		5% of (G+H+I)		
<b>K.</b>	<b>Total Unit Cost</b>		<b>(G + H + I + J)</b>		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Wall Metal Frame with 4.5 Fiber cement board ( at Stalls above Roll-up Door)  
 Item No.: 1003(2)a1  
 Unit of Measurement: sq.m  
 Output per Hour: 1.24 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
a.	Construction Foreman	1	24.67		
b.	Skilled Laborer	1	24.67		
c.	Unskilled Laborer	2	24.67		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	1.243	kg		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
a.	4.5mm x 1220mm x 2440mm FiCem Board	pcs	11.00		
b.	0.5mm x 50mm x 100mm x 3.0m Metal Studs	pcs	22.000		
c.	Blind Rivets, 5/32" x 3/4"	pcs	430.00		
d.	1" Metal Screw	pcs	324.00		
	5mm x 50mm x 100mm C-Bar	kg	966.72		
	10mm dia. Threaded Rod	pcs	4.00		
	10mm X 75mm Expansion Bolt	pcs	24.00		
	10mm dia. Knot w/ Washer	pcs	48.00		
	Consumables (5% of Materials Cost)	pcs	11.00		
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
<b>I.</b>	Contractor's Profit (CP)			10%, 8% of G	
<b>J.</b>	Value Added Tax (Vat)			5% of (G+H+I)	
<b>K.</b>	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Modular Partition  
 Item No.: 1003(23)  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	88.00		
<b>b.</b>	Skilled Laborer	1	88.00		
<b>c.</b>	Unskilled Laborer	2	88.00		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor Tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	1	LS		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Modular Partition, 3.025W x 1.80H m, Furnishing & Installation of Modular Toilet Partition with Two (2) Door (0.60m x 1.8): 18mm thick Phenolic Compact Board (Anti-Bacterial) Toilet Partition and Doors complete w/ stainless chrome accessories, hinges bracket, head rail, adjustable footleg, h profile, u profile, rising hinge, HD screws, Knob handle, indicator lockset, concealed hinges, latches & stainless C-puller.	sq.m.	7.31		
<b>b.</b>	Modular Partition, 4.810W x 1.80H m, Furnishing & Installation of Modular Toilet Partition with Four (4) Door (0.60 x 1.80) : 18mm thick Phenolic Compact Board (Anti-Bacterial) Toilet Partition and Doors complete w/ stainless chrome accessories, hinges bracket, head rail, adjustable footleg, h profile, u profile, rising hinge, HD screws, Knob handle, indicator lockset, concealed hinges, latches & stainless C-puller.	sq.m	16.29		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>		<b>(E + F)</b>		

H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses	15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)	10%, 8% of G	
J.	Value Added Tax (Vat)	5% of (G+H+I)	
K.	Total Unit Cost	(G + H + I + J)	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Doors -Flush  
Item No.: 1006(2)  
Unit of Measurement: sq.m  
Output per Hour: 0.32 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	2.63		
b.	Skilled Laborer	1	2.63		
c.	Unskilled Laborer	2	2.63		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor Tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	0.320	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<b>D6 - 1 UNIT</b>				
a.	Wooden Flush Door Including Frame, Door Knob (Kwikset)	sq.m.	sq.m.		
	heavy duty hinges, 3 keys and complete accessories - 0.6m x 1.4m x 1 set				
f.	Consumables (3% of Material Cost)				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Aluminum Framed Glass Door, Sliding Type  
 Item No.: 1007(1)a  
 Unit of Measurement: sq.m  
 Output per Hour: 1.08 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	92.94		
<b>b.</b>	Skilled Laborer	1	92.94		
<b>c.</b>	Unskilled Laborer	1	92.94		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor Tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	1.080	sq.m		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
	<b>D-9 (13 SETS)</b>				
<b>a.</b>	Aluminum Framed Sliding glass door with awning & fixed window & accessories 2.5m x 3.65m Window/Door Frame must be 1 3/4" x 3" with 1/4" thk clear glass and silicon sealant	sq.m.	100.38		
	Consumables (3% Material Cost)	ls	1.00		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>		15%,12%,10%,8% of G		
<b>I.</b>	<b>Contractor's Profit (CP)</b>		10%, 8% of G		
<b>J.</b>	<b>Value Added Tax (Vat)</b>		5% of (G+H+I)		
<b>K.</b>	<b>Total Unit Cost</b>			<b>(G + H + I + J)</b>	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Aluminum Framed Glass Windows, Sliding Type  
 Item No.: 1008(1)a  
 Unit of Measurement: sq.m  
 Output per Hour: 1.08 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	70.58		
<b>b.</b>	Skilled Laborer	1	70.58		
<b>c.</b>	Unskilled Laborer	1	70.58		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	1.080	Sq.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
	<b>W-1 (6 sets)</b>	sq.m.	5.88		
<b>a.</b>	Aluminum Framed Sliding Window & accessories 1.4m x 0.70m x 5 sets, Window Frame must be 1 3/4" x 3" with 1/4" thk clear glass and silicon sealant				
	<b>W-2 (6sets)</b>	sq.m.	2.52		
	Aluminum Framed Sliding Window & accessories 0.6m x 0.7m x 6sets, Window Frame must be 1 3/4" x 3" with 1/4" thk clear glass and silicon sealant				
	<b>W-3 (4 sets)</b>	sq.m.	12.00		
	Aluminum Framed Sliding Window & accessories 2.0m x 1.5m x 4 sets, Window Frame must be 1 3/4" x 3" with 1/4" thk clear glass and silicon sealant				
	<b>W-4 (4 sets)</b>	sq.m.	8.85		
	Aluminum Framed Sliding Window & accessories 1.475m x 1.5m x 2 set, Window Frame must be 1 3/4" x 3" with 1/4" thk clear glass and silicon sealant				
	<b>W-5 (2 sets)</b>	sq.m.	19.50		
	Aluminum Framed Awning Window & accessories 3.75m x 2.6m x 2 set, Window Frame must be 1 3/4" x 3" with 1/4" thk clear glass and silicon sealant				
	<b>W-6 (2 sets)</b>	sq.m	20.54		





**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Doors, Wood Panel  
 Item No.: 1010(2)b  
 Unit of Measurement: sq.m  
 Output per Hour: 0.36 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	59.78		
<b>b.</b>	Skilled Laborer	1	59.78		
<b>c.</b>	Unskilled Laborer	1	59.78		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	0.360	sq.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	<b>D-1 ( 6 sets)</b>	sq.m.	11.52		
	Wooden Panel Door Including Frame, Door Knob Transom, 1/4" thick clear glass and accessories 0.8m x 2.4m x 5 sets				
	<b>D-2 (2 sets)</b>	sq.m.	10.00		
	Wooden Panel Door Including Frame, Door Knob Transom, 1/4" thick clear glass and accessories 1.0m x 2.5m x 4 sets	sq.m.	11.52		
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Roll-Up Door  
 Item No.: 1011(1)a  
 Unit of Measurement: sets  
 Output per Hour: 2.00 sets

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	3.00		
<b>b.</b>	Skilled Laborer	1	44.13		
<b>c.</b>	Unskilled Laborer	1	44.13		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	2	sets		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Roll-up door with Standard Blades, Frames,	set	6.00		
<b>b.</b>	Complete Lockset & Accessories				
<b>c.</b>	Heavy Duty Padlock with 3 keys	set	12.00		
	Scope of Work: Installation of Roll-Up Door at Stalls				
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%, 12%, 10%, 8% of G	
<b>I.</b>	Contractor's Profit (CP)			10%, 8% of G	
<b>J.</b>	Value Added Tax (Vat)			5% of (G+H+I)	
<b>K.</b>	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Glazed Tiles & Trims  
 Item No.: 1018(1)  
 Unit of Measurement: sq.m  
 Output per Hour: 1.365 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	188.97		
<b>b.</b>	Skilled Laborer	5	188.97		
<b>c.</b>	Unskilled Laborer	5	188.97		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	<u>1.365</u>	sq.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Ceramic Tiles Glazed Tiles	sq.m.	271		
<b>b.</b>	Portland Cement, 40kg/bag	bags	84		
<b>c.</b>	Fine & Washed Sand	cu.m	7		
<b>d.</b>	ABC Tile Grout, White/Biege, 25kg	bags	32		
<b>e.</b>	Tile Adhesive (25kg)	bags	37		
<b>f.</b>	Aluminum Tile trim	pcs	15		
<b>g.</b>	Consumables (3% of Material Cost)	sq.m.	271		
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)			<b>(E + F)</b>	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
<b>I.</b>	Contractor's Profit (CP)			10%, 8% of G	
<b>J.</b>	Value Added Tax (Vat)			5% of (G+H+I)	
<b>K.</b>	Total Unit Cost			<b>(G + H + I + J)</b>	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Unglazed Tiles  
 Item No.: 1018(2)  
 Unit of Measurement: sq.m  
 Output per Hour: 1.950 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	105.27		
<b>b.</b>	Skilled Laborer	5	105.27		
<b>c.</b>	Unskilled Laborer	5	105.27		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	1.950	sq.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Ceramic Unglazed Tiles	sq.m.	215.54		
<b>e.</b>	Aluminum Matte Stair Nosing 2cmx4cmx2.44m	pcs	20.00		
<b>f.</b>	Portland Cement	bags	67.000		
<b>g.</b>	Fine & Washed Sand	cu.m	6.000		
<b>h.</b>	ABC Tile Ground, White/Biege, 25kg	bags	26.000		
<b>i.</b>	Tile Adhesive (25kg)	bags	30.000		
<b>j.</b>	Consumables (3% material Cost)	sq.m.	215.54		
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)			(E + F)	
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work:     Painting Works, Masonry/Concrete  
 Item No.:                 1032(1)a  
 Unit of Measurement: sq.m  
 Output per Hour:         2.100 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	1002.98		
<b>b.</b>	Skilled Laborer	2	1002.98		
<b>c.</b>	Laborers	1	1002.98		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	2.100	sq.m		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Concrete Neutralizer	gal	43.00		
<b>b.</b>	Concrete Sealer/Primer	gal	85.00		
<b>c.</b>	Patching Compound	gal	106.00		
<b>d.</b>	Semi Gloss Latex (two coats only)	gal	169.00		
	Consumables (5% of Material Cost)				
	Scope:				
	Painting of all exterior wall including phase 1				
	Painting of all interior wall				
<b>Sub Total (F)</b>					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		







**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: PVC Doors and Frames  
 Item No.: 1043(1)  
 Unit of Measurement: sq.m  
 Output per Hour: 0.315 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	21.33		
b.	Skilled Laborer	2	21.33		
c.	Laborers	1	21.33		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	0.315	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	<b>D-3 (4 sets)</b>	set	5.88		
b.	0.7m x 2.1m x 2 sets PVC Door with 3 sets heavy duty door hinge, PVC Door Frame Heavy duty door knob, Automatic Door Closer and accessories				
	<b>D-4 (6 sets)</b>	set	7.56		
	0.6m x 2.1m x 7 sets PVC Door with 3 sets heavy duty door hinge, PVC Door Frame Heavy duty door knob, Automatic Door Closer and accessories				
		set	5.88		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Non-Structural Metal Framing (Window Grills)  
 Item No.: 1035(2)a  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	<b><i>Fabrication &amp; Installation</i></b>				
a.	Construction Foreman	1	37.53		
b.	Skilled Laborer	2	37.53		
c.	Laborers	1	37.53		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Welding Machine (300)	1.00	28.15		
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
C.	Total (A + B)				
D.	Output per Hour	1.00	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	GI Tubular 1.2 thick x 19mm x 19mm x 6.0	kg	912.73		
b.	Red Oxide Primer	gal	5.00		
c.	Flat Wall Enamel	gal	11.00		
d.	Paint Thinner	gal	7.000		
e.	GI Tubular 1.2 thick x 19mm x 19mm x 6.0	kg	19.00		
f.	Welding Rod				
	Consumables (5% of Material Cost)				
<b>Sub Total (F)</b>					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Non-Structural Metal Framing (Sunbreaker)  
 Item No.: 1035(2)b  
 Unit of Measurement: LS  
 Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	<b><i>Fabrication &amp; Instsallation</i></b>				
a.	Construction Foreman	1	56.57		
b.	Skilled Laborer	2	56.57		
c.	Laborers	1	56.57		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Welding Machine (300)	1.00	42.43		
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1.00	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	GI Tubular 1.5 thick x 50 x 100 x 6.0m	kg	288.00		
b.	GI Tubular 1.5 thick x 25 x 50 x 6.0m	kg	1,018.98		
c.	Red Oxide Primer	gal	5.00		
d.	Flat Wall Enamel	gal	12.00		
e.	Paint Thinner	gal	8.000		
f.	Welding Rod	kg	27.00		
	Consumables (5% of Material Cost)				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: CHB Non Load Bearing (including RSB), 125mm  
 Item No.: 1046(2)a1  
 Unit of Measurement: sq.m  
 Output per Hour: 3.825 sq.m

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	33.75		
b.	Skilled Laborer	2	33.75		
c.	Laborers	4	33.75		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	3.825	sq.m		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	CHB Ordinary (125mm x 200mm x 400mm)	pc	1092		
b.	Portland Cement	bag	45		
c.	Sand	cu.m.	4		
d.	Reinforcing Steel Bars Deformed Grade 40	kg	222		
e.	GI Tie Wire #16	kg	5		
	<b>Rough Cement Plaster</b>				
a.	Portland Cement	bags	17.00		
b.	Sand	cu.m.	3.000		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Steel- Built up Truss (Beam)  
 Item No.: 1047(8)a  
 Unit of Measurement: kg  
 Output per Hour: 90.450 kg

	Designation	No. of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	<b>Installation of Frames</b>				
a.	Construction Foreman	1	10.62		
b.	Skilled Laborer	2	10.62		
c.	Laborers	1	10.62		
Sub Total (A)					
	Name and Capacity	No. of	No. of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Welding Machine (300)	1.00	7.97		
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	90.450	kg		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Channel Bar 5mm x 50mm x 100mm C-Bar	kg	960.64		
b.	10mm dia. Threaded Rod	pcs	4.00		
c.	10mm X 75mm Expansion	pcs	24.00		
d.	10mm X 75mm Dyna Bolt	pcs	48.00		
e.	10mm dia. Knot w/ Washer	pcs	24.00		
	Consumables (5% of Material Cost)				
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Structural Steel- Cladding Frames and Panels  
 Item No.: 1047(8)c  
 Unit of Measurement: kg  
 Output per Hour: 90.450 kg

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
	<b>Installation of Frames</b>				
a.	Construction Foreman	1	24.51		
b.	Skilled Laborer	2	24.51		
c.	Unskilled Laborer	1	24.51		
	<b>Installation of of Cladding Panel</b>				
	Skilled Laborer	2	59.26		
	Unskilled Laborer	1	59.26		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Welding Machine (300)	1.00	24.51		
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
C.	Total (A + B)				
D.	Output per Hour	90.450	kg		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	GI Tubular 1.2 thick x 50mmx100mm x 6.0m	kg	894.24		
b.	GI Tubular 1.5 thick x 50mmx100mm x 6.0m	kg	617.40		
c.	GI Tubular 1.5 thick x 50mmx50mm x 6.0m	kg	167.64		
d.	Angle bar 6mm 50mmx50mm	kg	509.01		
e.	Flat Bar 6mm x 50mm	kg	28.20		
f.	Dynabolt 1/2" x 100mm	pcs	110.00		
	Dynabolt 3/8" x 75mm	pcs	40.00		
g.	Angle Bar 5mm x 50mm x 50mm x6m	kg	509.00		
h.	Welding Rod	pcs	750.00		
i.	4mm thick PE/PVDF Glossy Solid Green Aluminum Panel with complete accessories Phase I	sq.m.	123.260		
	Consumables (5% of Material Cost)				
<b>Sub Total (F)</b>					
G.	Direct Unit Cost (E + F)		(E + F)		
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
I.	Contractor's Profit (CP)		10%, 8% of G		
J.	Value Added Tax (Vat)		5% of (G+H+I)		
K.	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Railing Stairs, Ground & 2nd Floor Corridor, Façade  
 Item No.: 1051(1)  
 Unit of Measurement: m  
 Output per Hour: 4.750 m

A.	Designation	No. of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>Sub Total (A)</b>					
B.	Name and Capacity	No. of	No. of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>SUB TOTAL (B)</b>					
C.	Total (A + B)				
D.	Output per Hour	4.750	m		
E.	Direct Unit Cost (C/D)				
F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>Materials</b>					
a.	1.2mm X 50 X 100 x 6.0m GI Tubular	Kg	428.00		
b.	1.2mm X 50 X 50 x 6.0m GI Tubular	Kg	43.95		
c.	1.2mm X 25 X 50 x 6.0m GI Tubular	Kg	346.00		
d.	1.2mm X 25 X 25 x 6.0m GI Tubular	Kg	38.45		
e.	1 1/2" Ø x 6.0m GI Pipe Sched 20	pcs	14.00		
f.	5mm x 100mm x100mm base plate	Kg	21.00		
g.	1/2" x 50mm Dyna Bolt	pcs	45.00		
h.	Welding Rod	kg	254.00		
	Consumables 5% Material Cost				
<b>Sub Total (F)</b>					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Wires & Wiring Devices  
 Item No.: 1101(33)  
 Unit of Measurement: LS  
 Output per Hour: ALL

A.	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
	Labor				
<b>a.</b>	Construction Foreman	1	63.00		
<b>b.</b>	Skilled Laborer	2	63.00		
<b>c.</b>	Laborers	2	63.00		
Sub Total (A)					
B.	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour		All		
E.	Direct Unit Cost (C/D)				
F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>For Electrical Works</b>				
	2.0mm <sup>2</sup> THHN Cu. Wire	ln m	1,169.00		
	3.5mm <sup>2</sup> THHN Cu. Wire	ln m	1,332.00		
	5.5mm <sup>2</sup> THHN Cu. Wire	ln m	979.00		
	KiloWatt-Hour Digital Meter Single Phase CL200 or equivalent	set	6.00		
	KiloWatt-Hour meter KV2C FM48A 3-phase or equivalent	set	1.00		
	1-gang, switch wide series	set	12.00		
	2-gang, switch wide series	set	6.00		
	3-gang, switch wide series	set	1.00		
	2 Gang Universal Outlet w/ ground	set	48.00		
	3-Way Switch	set	3.00		
	4-Way Switch	set	2.00		
	Electrical Tape (16m/roll)	roll	3.000		
	Rubber Tape	roll	1.000		
	<b>For FDAS Works</b>				
	3.5mm <sup>2</sup> THHN Cu. Wire	ln m	262.00		
	Consumable(Screws,Tocks, etc )5% of material cost	pc	1.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		



I.	Contractor's Profit (CP)	10%, 8% of G	
J.	Value Added Tax (Vat)	5% of (G+H+I)	
K.	Total Unit Cost	(G + H + I + J)	

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Panelboard with Main & Branch Breakers  
Item No.: 1102(1)  
Unit of Measurement: LS  
Output per Hour: 1 LS

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	10.00		
b.	Skilled Laborer	2	10.00		
c.	Laborers	2	10.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1	LS		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	Panel Board, Center Main 2-Pole + 4 branches 2-pole	set	8.00		
b.	15AT Circuit Breaker, 2 Pole	pc	8.00		
c.	20AT Circuit Breaker, 2 Pole	pc	24.00		
d.	30AT Circuit Breaker, 2 Pole	pc	16.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Solar Panel with Inverter, Battery and other Devices  
 Item No.: 1102 (17)  
 Unit of Measurement: LS  
 Output per Hour: All

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	REE/RME, PV Installers (Php12.00/watt)	104.00			
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour		All		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	<i>550W Monocrystalline Panel, JA or equivalent</i>	pc	22.00		
	<i>10kW Three-Phase Hybrid Inverter, Solis or Equivalent</i>	pc	1.00		
	<i>200Ah, 51.2V, Dyness Battery</i>	pc	1.00		
	<i>PV Cable, 4mm<sup>2</sup>, 2/c (100m)</i>	roll	1.00		
	<i>MC4 Connector, Positive and negative</i>	pc	20.00		
	<i>Aluminum PV Railings, 2.4m</i>	pc	28.00		
	<i>Aluminum PV Middle Clamp</i>	pc	24.00		
	<i>Aluminum PV End Clamp</i>	pc	8.00		
	<i>Aluminum PV L-foot</i>	pc	84.00		
	<i>Aluminum PV Splice/Connector</i>	pc	26.00		
	<i>20AT Minature DC Breaker</i>	pc	2.00		
	<i>100AT Battery Breaker</i>	pc	1.00		
	<i>63AT Minature DC Breaker</i>	pc	2.00		
	<i>DC Surge Protective Device</i>	pc	2.00		
	<i>AC Surge Protective Device</i>	pc	1.00		
	<i>Battery Cable, 25mm</i>	m	10.00		
	<i>Galvanized RSC 15mmØ</i>	pc	12.00		
	<i>Galvanized RSC 15mmØ, Coupling/Connector</i>	pc	10.00		
	<i>4 x 4 GI Pull box</i>	pc	7.00		
	<i>MCB 12 Way Panel Box</i>	pc	1.00		
	<i>100AT Automatic Transfer Switch</i>	pc	1.00		
	<i>Copper Coated Ground Rod 5/8</i>	pc	1.00		
	<i>Ground Clamp 5/8</i>	pc	2.00		
	<i>CT Sensor</i>	pc	3.00		
	<i>Slotted Cable Tray</i>	pc	5.00		

	3.5mm <sup>2</sup> THHN Conductor	m	75.00		
	Consumables (5% of Materials Cost)	ls	1.00		
				Sub Total (F)	
G.	Direct Unit Cost (E + F)	(E + F)			
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses	15%,12%,10%,8% of G			
I.	Contractor's Profit (CP)	10%, 8% of G			
J.	Value Added Tax (Vat)	5% of (G+H+I)			
K.	Total Unit Cost	(G + H + I + J)			

### DETAILED UNIT PRICE ANALYSIS (DUPA)

Description of Work: Lighting Fixtures and Lamps  
Item No.: 1103(1)  
Unit of Measurement: LS  
Output per Hour: All

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	22.00		
b.	Skilled Laborer	2	22.00		
c.	Laborers	2	22.00		
				Sub Total (A)	
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
				SUB TOTAL (B)	
C.	Total (A + B)				
D.	Output per Hour		All		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
a.	18W, Surface Panel Down Light, Square	pc	38.00		
b.	Surface Type Dust Proof Louver (1 x 18W)	pc	24.00		
c.	LED T8 Tube 18w, Daylight	pc	24.00		
				Sub Total (F)	
G.	Direct Unit Cost (E + F)	(E + F)			
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses	15%,12%,10%,8% of G			
I.	Contractor's Profit (CP)	10%, 8% of G			
J.	Value Added Tax (Vat)	5% of (G+H+I)			
K.	Total Unit Cost	(G + H + I + J)			

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Air Conditioning and Ventilating System  
 Item No.: 1200  
 Unit of Measurement: set  
 Output per Hour: 1 set

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	49.00		
<b>b.</b>	Skilled Laborer	1	49.00		
<b>c.</b>	Laborers	1	49.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
<b>C.</b>	Total (A + B)				
<b>D.</b>	Output per Hour	1.00	set		
<b>E.</b>	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Ceiling Orbit Fan 16"	set			
<b>b.</b>	2-hp Split Type Inverter Airconditioning Unit with complete assosorries(Mounting, remote, etc.)	set			
Sub Total (F)					
<b>G.</b>	Direct Unit Cost (E + F)		(E + F)		
<b>H.</b>	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15%,12%,10%,8% of G		
<b>I.</b>	Contractor's Profit (CP)		10%, 8% of G		
<b>J.</b>	Value Added Tax (Vat)		5% of (G+H+I)		
<b>K.</b>	Total Unit Cost		(G + H + I + J)		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Fire Extinguisher  
 Item No.: 1202(6)a1  
 Unit of Measurement: set  
 Output per Hour: 1 set

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	Labor				
<b>a.</b>	Construction Foreman	1	4.00		
<b>b.</b>	Skilled Laborer	2	4.00		
<b>c.</b>	Laborers	2	4.00		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	Equipment				
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	1.00	set		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	Materials				
<b>a.</b>	Fire Extinguisher Cabinet with Lock and key, Glass with Aluminum Frame, Red Coated, 25" x 13" x 7"	set	7.00		
<b>b.</b>	Fire Extinguisher, 10lbs, ABC with bracket	pc	7.00		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>		15%,12%,10%,8% of G		
<b>I.</b>	<b>Contractor's Profit (CP)</b>		10%, 8% of G		
<b>J.</b>	<b>Value Added Tax (Vat)</b>		5% of (G+H+I)		
<b>K.</b>	<b>Total Unit Cost</b>		<b>(G + H + I + J)</b>		



**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Fire Alarm Bell  
 Item No.: 1208(4)  
 Unit of Measurement: set  
 Output per Hour: 1 set

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
<b>A.</b>	<b>Labor</b>				
	<b>a.</b> Construction Foreman	1	4.00		
	<b>b.</b> Skilled Laborer	2	4.00		
	<b>c.</b> Laborers	2	4.00		
<b>Sub Total (A)</b>					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
<b>B.</b>	<b>Equipment</b>				
	Minor tools (10% of Labor Cost)				
<b>SUB TOTAL (B)</b>					
<b>C.</b>	<b>Total (A + B)</b>				
<b>D.</b>	Output per Hour	1.00	set		
<b>E.</b>	<b>Direct Unit Cost (C/D)</b>				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
<b>F.</b>	<b>Materials</b>				
	<b>a.</b> Fire Alarm Bell with Strobe, 24VDC, 86db-120db	set	14.00		
<b>Sub Total (F)</b>					
<b>G.</b>	<b>Direct Unit Cost (E + F)</b>			<b>(E + F)</b>	
<b>H.</b>	<b>Overhead, Contingencies &amp; Miscellaneous (OCM) Expenses</b>		15%,12%,10%,8% of G		
<b>I.</b>	<b>Contractor's Profit (CP)</b>		10%, 8% of G		
<b>J.</b>	<b>Value Added Tax (Vat)</b>		5% of (G+H+I)		
<b>K.</b>	<b>Total Unit Cost</b>		<b>(G + H + I + J)</b>		

**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Description of Work: Manual Pull Station  
 Item No.: 1208(6)  
 Unit of Measurement: set  
 Output per Hour: 1 set

	Designation	No of	No. of	Hourly	Amount
		Person/s	Hour/s	Rate	(PhP)
A.	Labor				
a.	Construction Foreman	1	4.00		
b.	Skilled Laborer	2	4.00		
c.	Laborers	2	4.00		
Sub Total (A)					
	Name and Capacity	No. of	No of	Hourly	Total
		Equipt./s	Hour/s	Rate	Cost
B.	Equipment				
	Minor tools (10% of Labor Cost)				
SUB TOTAL (B)					
C.	Total (A + B)				
D.	Output per Hour	1.00	set		
E.	Direct Unit Cost (C/D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	Fire Alarm Manual Pull Station, 24VDC	set	14.00		
Sub Total (F)					
G.	Direct Unit Cost (E + F)			(E + F)	
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15%,12%,10%,8% of G	
I.	Contractor's Profit (CP)			10%, 8% of G	
J.	Value Added Tax (Vat)			5% of (G+H+I)	
K.	Total Unit Cost			(G + H + I + J)	



## SUMMARY SHEET

### A. LIST OF MATERIALS AND ITS UNIT COST

#### PHASE 2 (CHARGED TO ACCUMULATED SAVINGS)

No.	Description	Unit	Unit Cost
1	Plywood Marine (0.00625m x 1.20m x 2.44m)	pc	
2	Coco Lumber	bd. ft.	
3	Project Sign (tarpaulin)	sq. ft.	
4	CWN Assorted	kg.	
5	Safety Helmets	MD	
6	Safety Gloves (Rubber palm Orange 90g)	MD	
7	Safety Shoes	MD	
8	Safety Vest	MD	
9	Body Harness and Lanyard	MD	
10	Dust Mask	MD	
11	Eye Goggles	MD	
12	Ear Muff	MD	
13	PPE signage (4' x 8')	set	
14	Safety First (4' x 4')	set	
15	Warning Signs (2' x 3')	set	
16	Caution Tape, 100ft	roll	
17	Common Borrow (Mixed Sand and Gravel)	cu.m.	
18	Gravel G-1	cu.m.	
19	Sand	cu.m.	
20	Portland Cement	bags	
21	Deformed Reinforcing Steel	kg	
22	Galvanized Iron Tie Wire #16	kg	
23	Steel Deck 1.00mm thick	sq.m.	
24	Phenolic Board (0.019m x 1.4m x 2.44m) - 5 uses	pcs	
25	Good Lumber - 3 uses	bd ft	
26	Soil Poisoning (Pesticide)	L	
27	4" dia. X 3m uPVC Pipe S1000	pcs	
28	4" x 4" uPVC Wye S1000	pcs	
29	4" dia. x 135° uPVC Elbow S1000	pcs	
30	4" dia. x 90° uPVC Elbow S1000	pcs	
31	4" dia. Clean Out with Plug	pcs	
32	4" x 2" uPVC Tee Reducer S100	pcs	
33	3" dia. X 3m uPVC Pipe S1000	pcs	
34	3" x 3" uPVC Wye S1000	pcs	
35	3" dia. x 135° uPVC Elbow S1000	pcs	
36	3" dia. x 90° uPVC Elbow S1000	pcs	
37	3" dia. Clean Out with Plug	pcs	
38	3" x 3" uPVC Sanitary Tee S1000	pcs	
39	3" x 2" uPVC Wye Reducer S100	pcs	
40	2" dia. X 3m uPVC Pipe S1000	pcs	
41	2" x 2" uPVC Wye S1000	pcs	
42	2" dia. x 135° uPVC Elbow S1000	pcs	
43	2" dia. x 90° uPVC Elbow S1000	pcs	
44	2" x 2" uPVC Sanitary Tee S1000	pcs	
45	2" dia. Clean Out with Plug	pcs	
46	2" dia. uPVC P-trap S1000	pcs	
47	PVC Solvent, 100cc	can	

48	Water Closet (elongated w/ flush tank, and accessories, American Standard, HCG or equivalent)	set	
49	Lavatory, (ceramic, american standard, HCG or equivalent)	set	
50	Urinal (HCG, American Standard, waterless ceramic urinal or equivalent)	set	
51	Kitchen Sink	set	
52	Heavy Duty Stainless Steel Gooseneck Tap Faucet	pcs	
53	Lavatory Faucet	pcs	
54	Stainless Hand Bidet	set	
55	Stainless Floor Drain 4"x4"	pcs	
56	Water Meter	pcs	
57	1/2" PPR- Gate Valve	set	
58	Self Closing Urinal Flush Valve	set	
59	Angle Valve 1/2"x 1/2", Stainless, Two Way	pcs	
60	Angle Valve 1/2", Stainless, One Way	pcs	
61	Flexible Hose, 1/2" x 1/2"	pcs	
62	1" Ø x 4m PPR Pipe PN 20	pcs	
63	1" Ø PPR Elbow	pcs	
64	1" Ø PPR Coupling	pcs	
65	1"x1/2" Ø PPR Tee Reducer	pcs	
66	1"x1/2" Ø PPR Elbow Reducer	pcs	
67	1/2" PPR Union Patente	pcs	
68	1/2" Ø x 4m PPR Pipe PN 20	pcs	
69	1/2" Ø PPR Coupling	pcs	
70	1/2" Ø PPR Elbow	pcs	
71	1/2" Ø PPR Threaded Elbow	pcs	
72	PPR Cap, 1/2" Ø	pcs	
73	Fiber Cement Board, 4.5mm x 4' x 8'	pc	
74	Metal Double Furring Channel, 0.60mm thk. X 19mm x 50mm x 5mm	pc	
75	Metal Carrying Channel, 1.00mm thk x 12mm x 38mm x 5m	pc	
76	Rod suspension hanger w/adjustment spring	pc	
77	Metal Furring Clip	pc	
78	Wall Angle, 0.50mm thk x 25mm x 25mm x 3m	pc	
79	Blind Rivets, 5/32" x 3/4"	pc	
80	1" Metal Screw	pc	
81	2" x 30m Mechtape	roll	
82	0.4mm thk x 6" perforated spandrel	ln.m	
83	End Moulding 6" x 8"	pc	
84	Metal Double Furring Channel, 0.60mm thk. x	pc	
85	#12 x 55mm Teckscrew w/ neoprene washer	pc	
86	1/8" x 1/2" Blind Rivets	pc	
87	Concrete Nail 1"	kg	
88	Prepainted End flashing x0.6mm thk x 2.44m	pc	
89	Prepainted Wallflashing x0.6mm thk x 2.44m	pc	
90	Prepainted gutter x 0.6mm thk x 2.44m	pc	
91	Prepainted fascia cover x0.6mm thk x 2.44m	pc	
92	G.I Strap 12" x 12"	pcs	
93	Prepainted Metal Sheets 0.5mm thk double rib	sq.m	
94	2 1/2" x 1/4" J - bolt w/ nut and banded washer	pc	
95	Reflective Insulation (Double Bubble Double Sided One meter wide, 1cm thk)	ln.m	
96	Wishmesh Screen, 4ft x 25m	roll	
97	Epoxy Metal Primer Paint, Gray (1ga./pair)	gal	

98	Paint Thinner	gal	
99	CHB Ordinary (125mm x 200mm x 400mm)	pc	
100	CHB Ordinary (125mm x 200mm x 400mm)	pc	
101	Angle bar 6mmx50mmx50mmx 6.0	kg	
102	Angle bar 6mmx38mmx38mm x 6.00	kg	
103	2" x 4" x 6.0m x 1.5mm thk GI Tubular	kg	
104	Cleats angle bar 4mmx50mmx50xx-x6.0	kg	
105	Acetylene(content only)	kg	
106	oxygen(content only)	kg	
107	Welding Rod	kg	
108	Structural Steel Purlins 1.5mmx50mmx100mm	kg	
109	Structural Steel Purlins 2.0mmx50mmx150mm	kg	
110	Gusset Plate 5mm x 100 x 6,0	kg	
111	Sagrod with nuts and bolt	kg	
112	Cross Bracing 16mm dia x 6.0	kg	
113	Heavy Duty Turnbuclex16mm dia	pcs	
114	20mmØ uPVC Thickwall (3m)	pc	
115	Junction Box, octagonal,PVC,orange, w/ cover	pc	
116	Pull Box,4"x4",PVC,orange, w/ cover	pc	
117	Utility Box, 2"x4", deep type, PVC, orange, flush type	pc	
118	Butane gas (270 ml)	can	
119	Blow torch, heavy duty (for butane gas)	pc	
120	20mmØ IMC	pc	
121	Junction Box, octagonal,GI,orange, w/ cover	pc	
122	IMC Coupling,20mmØ	pc	

**PHASE 3 (CHARGED TO ACCOUNTS RECEIVABLE - FREE HIGHER EDUCATION)**

No.	Description	Unit	Unit Cost
1	Desktop Computer Unit	set	
2	Office Printer: EPSON L15150	each	
3	Office Table: Tempered Glass Wide Table (0.80m x 1.50m)	each	
4	Ergonomic Office Chair	set	
5	Safety Helmets	MD	
6	Safety Gloves (Rubber palm Orange 90g)	MD	
7	Safety Shoes	MD	
8	Safety Vest	MD	
9	Body Harness and Lanyard	MD	
10	Dust Mask	MD	
11	Eye Goggles	MD	
12	Ear Muff	MD	
13	Rubber Boots	MD	
14	PPE signage (4' x 8')	set	
15	Safety First (4' x 4')	set	
16	Warning Signs (2' x 3')	set	
17	Caution Tape, 100ft	roll	
18	Acrylic Type Project Marker with complete information & fastener, 30cm x 40cm	each	
19	Stainless Lettering, Cut to Size (Maximum of 50cm H) (Maximum of 415mm H x 2" T)	each	
20	NVSU Logo (2m diameter)	each	
21	Gravel G-1	cu.m.	

22	Sand	cu.m.	
23	Portland Cement	bags	
24	Deformed Reinforcing Steel	kg	
25	Galvanized Iron Tie Wire #16	kg	
26	CHB Ordinary (101mm x 203mm x 406mm)	pcs	
27	Cement-based Water Proofing	bags	
28	4.5mm x 1220mm x 2440mm FiCem Board	pcs	
29	0.5mm x 50mm x 100mm x 3.0m Metal Studs	pcs	
30	Blind Rivets, 5/32" x 3/4"	pcs	
31	1" Metal Screw	pcs	
32	5mm x 50mm x 100mm Channel-Bar	kg	
33	10mm dia. Threaded Rod	pcs	
34	10mm X 75mm Expansion Bolt	pcs	
35	Modular Partition, 3.025W x 1.80H m	sq.m	
36	Modular Partition, 4.810W x 1.80H m,	sq.m	
37	Wooden Flush Door Including Frame, Door Knob (Kwikset) eavty duty hinges, 3 keys and complete accessories - 0.6m x 1.4m x 1 set	sq.m	
38	Aluminum Framed Sliding glass door with awning & fixed window & accessories	sq.m	
39	Aluminum Framed Sliding Window & accessories: 1.4m x 0.70m x 5 sets	sq.m	
40	Aluminum Framed Sliding Window & accessories: 0.6m x 0.70m x 6 sets	sq.m	
41	Aluminum Framed Sliding Window & accessories: 2.0m x 1.5m x 4 sets	sq.m	
42	Aluminum Framed Sliding Window & accessories: 1.475m x 1.5m x 2 sets	sq.m	
43	Aluminum Framed Awning Window & accessories: 3.75m x 2.6m x 2 sets	sq.m	
44	Aluminum Framed Awning Window & accessories: 3.95m x 2.6m x 2 set	sq.m	
45	Aluminum Framed Awning Window & accessories: 0.8m x 0.4m x 5 sets	sq.m	
46	Aluminum Framed Awning Window & accessories: 0.60m x 1.95m x 2 sets	sq.m	
47	Aluminum Framed Awning Window & accessories: 2.25m x 0.8m x 2 sets	sq.m	
48	Wooden Panel Door Including Frame, Door Knob Transom, 1/4" thick clear glass and accessories: 0.8m x 2.4m x 5 sets	sq.m	
49	Wooden Panel Door Including Frame, Door Knob Transom, 1/4" thick clear glass and accessories: 1.0m x 2.5m x 4 sets	sq.m	
50	Roll-up door with Standard Blades, Frames, Complete Lockset & Accessories	set	
51	Heavy Duty Padlock with 3 keys	set	
52	Ceramic Tiles Glazed Tiles	sq.m.	
53	ABC Tile Grout, White/Biege, 25kg	bags	
54	Tile Adhesive (25kg)	bags	
55	Aluminum Tile trim	pcs	
56	Ceramic Unglazed Tiles	sq.m.	
57	Aluminum Matte Stair Nosing 2cmx4cmx2.44m	pcs	
58	Concrete Neutralizer	gal	
59	Concrete Sealer/Primer	gal	
60	Patching Compound	gal	
61	Semi Gloss Latex (two coats only)	gal	

62	Glazing Putty	gal	
63	Flat Wall Enamel	gal	
64	Enamel Quick Dry	gal	
65	Paint Thinner	gal	
66	Red Oxide Primer	gal	
67	0.7m x 2.1m x 2 sets PVC Door with 3 sets heavy duty door hinge, PVC Door Frame, Heavy duty door knob, Automatic Door Closer and accessories	set	
68	0.6m x 2.1m x 7 sets PVC Door with 3 sets heavy duty door hinge, PVC Door Frame, Heavy duty door knob, Automatic Door Closer and accessories	set	
69	GI Tubular 1.2 thick x 19mm x 19mm x 6.0	kg	
70	GI Tubular 1.5 thick x 50 x 100 x 6.0m	kg	
71	GI Tubular 1.5 thick x 25 x 50 x 6.0m	kg	
72	Welding Rod	kg	
73	CHB Ordinary (125mm x 200mm x 400mm)	pc	
74	10mm X 75mm Dyna Bolt	pcs	
75	10mm dia. Knot w/ Washer	pcs	
76	Angle bar 6mm 50mmx50mm	kg	
77	Flat Bar 6mm x 50mm	kg	
78	Dynabolt 1/2" x 100mm	pcs	
79	Dynabolt 3/8" x 75mm	pcs	
80	Angle Bar 5mm x 50mm x 50mm x6m	kg	
81	4mm thick PE/PVDF Glossy Solid Green Aluminum Panel with complete accessories Phase I	sq.m	
82	1.2mm X 50 X 100 x 6.0m GI Tubular	Kg	
83	1.2mm X 50 X 50 x 6.0m GI Tubular	Kg	
84	1.2mm X 25 X 50 x 6.0m GI Tubular	Kg	
85	1.2mm X 25 X 25 x 6.0m GI Tubular	Kg	
86	1 1/2" Ø x 6.0m GI Pipe Sched 20	pcs	
87	5mm x 100mm x100mm base plate	Kg	
88	2.0mm <sup>2</sup> THHN Cu. Wire	ln m	
89	3.5mm <sup>2</sup> THHN Cu. Wire	ln m	
90	5.5mm <sup>2</sup> THHN Cu. Wire	ln m	
91	KiloWatt-Hour Digital Meter Single Phase CL200 or equivalent	set	
92	KiloWatt-Hour meter KV2C FM48A 3-phase or equivalent	set	
93	1-gang, switch wide series	set	
94	2-gang, switch wide series	set	
95	3-gang, switch wide series	set	
96	2 Gang Universal Outlet w/ ground	set	
97	3-Way Switch	set	
98	4-Way Switch	set	
99	Electrical Tape (16m/roll)	roll	
100	Rubber Tape	roll	
101	3.5mm <sup>2</sup> THHN Cu. Wire	ln m	
102	Panel Board, Center Main 2-Pole + 4 branches 2-pole	set	
103	15AT Circuit Breaker, 2 Pole	pc	
104	20AT Circuit Breaker, 2 Pole	pc	
105	30AT Circuit Breaker, 2 Pole	pc	
106	550W Monocrystalline Panel, JA or equivalent	pc	
107	10kW Three-Phase Hybrid Inverter, Solis or Equivalent	pc	
108	200Ah, 51.2V, Dyness Battery	pc	
109	PV Cable, 4mm <sup>2</sup> , 2/c (100m)	roll	
110	MC4 Connector, Positive and negative	pc	

111	Aluminum PV Railings, 2.4m	pc	
112	Aluminum PV Middle Clamp	pc	
113	Aluminum PV End Clamp	pc	
114	Aluminum PV L-foot	pc	
115	Aluminum PV Splice/Connector	pc	
116	20AT Minature DC Breaker	pc	
117	100AT Battery Breaker	pc	
118	63AT Minature DC Breaker	pc	
119	DC Surge Protective Device	pc	
120	AC Surge Protective Device	pc	
121	Battery Cable, 25mm	m	
122	Galvanized RSC 15mmØ	pc	
123	Galvanized RSC 15mmØ, Coupling/Connector	pc	
124	4 x 4 GI Pull box	pc	
125	MCB 12 Way Panel Box	pc	
126	100AT Automatic Transfer Switch	pc	
127	Copper Coated Ground Rod 5/8	pc	
128	Ground Clamp 5/8	pc	
129	CT Sensor	pc	
130	Slotted Cable Tray	pc	
131	3.5mm <sup>2</sup> THHN Conductor	m	
132	18W, Surface Panel Down Light, Square	pc	
133	Surface Type Dust Proof Louver (1 x 18W)	pc	
134	LED T8 Tube 18w, Daylight	pc	
135	Ceiling Orbit Fan 16"	set	
136	2-hp Split Type Inverter Airconditioning Unit with complete accessories (Mounting, remote, etc.)	set	
137	Fire Extinguisher Cabinet with Lock and key, Glass with Aluminum Frame, Red Coated, 25" x 13" x 7"	set	
138	Fire Extinguisher, 10lbs, ABC with bracket	pc	
139	Smoke Detector Photoelectric, 9VDC-28VDC	set	
140	Fire Alarm Bell with Strobe, 24VDC, 86db-120db	set	
141	Fire Alarm Manual Pull Station, 24VDC	set	

**A. LABOR RATES**

**PHASE 2 (CHARGED TO ACCUMULATED SAVINGS)**

	<b>Designation</b>	<b>Labor Rates per Hour</b>
	Construction Foreman	
	Skilled Laborer	
	Unskilled Laborer	
	Safety Practitioner/ Officer (Full time)	
	Health Personnel - First Aider (Full time)	
	Health Personnel - Sanitation Aide (Full time)	

**PHASE 3 (CHARGED TO ACCOUNTS RECEIVABLE - FREE HIGHER EDUCATION)**

	<b>Designation</b>	<b>Labor Rates per Hour</b>
	Construction Foreman	
	Skilled Laborer	
	Unskilled Laborer	
	Safety Practitioner/ Officer (Full time)	
	Health Personnel - First Aider (Full time)	
	Health Personnel - Sanitation Aide (Full time)	
	REE/RME, PV Installers (Php12.00/watt)	

**B. EQUIPMENT RENTAL RATES****PHASE 2 (CHARGED TO ACCUMULATED SAVINGS)**

	<b>Name &amp; Capacity,</b>	<b>Rental Rates per Hour</b>
	Backhoe with breaker	
	Backhoe (0.80 cu.m.)	
	Dumptruck (12 cubic yards)	
	Plate Compactor (5 hp)	
	One Bagger Mixer, 4.0-6.0 cu.ft/min cap	
	Bar Cutter	
	Bar Bender	
	Welding Machine (300)	
	Cutting Outfit	
	Truck Mounted Crane (20-25mt)	
	H-Frame 1.7m x 1.2m, set	
	Shoring Jack, 3.8m full extension	
	Adj. U-head Jack, 0.60m	
	Adj. Base Jack, 6.0m	
	1-1/2" GI Pipe x 6.0m	
	1-1/2" GI Pipe x 4.0m	
	1-1/2" GI Pipe x 1.0m	
	Tie Rod x 0.60m	
	Round Wing Not	

**PHASE 3 (CHARGED TO ACCOUNTS RECEIVABLE - FREE HIGHER EDUCATION)**

	<b>Name &amp; Capacity,</b>	<b>Rental Rates per Hour</b>
	Backhoe (0.80 cu.m.)	
	Dumptruck (12 cubic yards)	
	Chain Saw	
	Plate Compactor (5 hp)	
	One Bagger Mixer, 4.0-6.0 cu.ft/min cap	
	Bar Cutter	
	Bar Bender	
	Welding Machine (300)	

## 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) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) 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**
- (d) Special PCAB License in case of Joint Ventures; **and** registration for the type and cost of the contract to be bid; **and**
- (e) 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**
- (f) 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**
- (g) 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

- (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

### *Class "B" Documents*

- (i) 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**

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

Other documentary requirements under RA No. 9184

(k) Original of duly signed Bid Prices in the Bill of Quantities; **and**

(l) 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**  (m) 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 AwardCommittee (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.

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 Signatory's Legal Capacity]* for:

*[Insert Procuring Entity]*

*[Insert Name and Signature]*  
*[Insert Signatory's Legal Capacity]* for:

*[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]*

capacity] Affiant

[Insert signatory's legal

**Jurat**

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

Republic of the Philippines



Government Procurement Policy Board