

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Procurement of INFRASTRUCTURE PROJECTS

Government of the Republic of the Philippines

***PROJECT 2021-44: CONSTRUCTION OF CBE
BUILDING FOR BAYOMBONG CAMPUS***

**Sixth Edition
July 2020**

Preface

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

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

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

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

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

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

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

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

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

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

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

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods,

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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



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

INVITATION TO BID
FOR Project 2021-44: CONSTRUCTION OF CBE BUILDING
FOR BAYOMBONG CAMPUS

1. The *Nueva Vizcaya State University*, through the General Fund (GF) for *Fund FY 2021* intends to apply the sum of *Php35,564,442.56* being the ABC to payments under the contract for *2021-44: Construction of CBE Building for Bayombong Campus*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *NVSU* now invites bids for the above procurement project. Delivery of the Goods/Equipment is required by *three hundred (300) calendar days*. Bidders should have completed, within *two (02) years* from the date of submission and receipt of bids, a contract similar to the project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.

4. Prospective Bidders may obtain further information from *NVSU-BAC* and inspect the Bidding Documents at the address given below during *Mondays-Fridays from 8:00AM-5:00PM*.
5. A complete set of Bidding Documents may be acquired by interested Bidders starting on *December 6, 2021* from the given address and website(s) below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Php25,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *through electronic means*.
6. The *NVSU* will hold a Pre-Bid Conference¹ on *December 14, 2021, 2:00PM* at *the Function Room, 3/F New Administration Building, NVSU Bayombong Campus* and through video conferencing or webcasting *via Zoom*, which shall be open to prospective bidders. To reduce the risks and hazards of community transmission of COVID-19, the BAC shall conduct meetings and conferences via **ZOOM (Meeting ID: 449 830 9933, Password: nvsu@2021)** until further notice, or until such time that the state of calamity, or implementation of community quarantine or similar government restrictions shall have been lifted by the proper government authorities.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before *December 27, 2021 at 8:59am* or courier submission on the same address on or before *December 24, 2021 at 5:00pm*. Late bids shall not be accepted.

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a Pre-Bid Conference.

8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
9. Bid opening shall be on *December 27, 2021, 9:00am* at the given address and via **ZOOM (Meeting ID: 982 530 7938, Password: nvsu@2021)**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The *NVSU* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bid.
11. For further information, please refer to:

<p>MS. MARITNESS N. MORTERA MS. ICY B. PASI MS. JEANYBEE A. MARIANO MS. DIANNE MARGARETH B. TITO UBAC Secretariat</p>	<p>MR. RICHARD JOHN D. GUZMAN MS. FLORIDA P. URBANO MS. JULIET S. SANCHEZ</p>
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3rd floor UBAC Office, New Administration Building
 NVSU Bayombong Campus, Bayombong, Nueva Vizcaya
 Tel. No. 078-392-1605/078-321-2112
 Email Address: ubac@nvsu.edu.ph and ubacbayombong@gmail.com
12. You may visit the website:
 For downloading of Bidding Documents: www.nvsu.edu.ph *December 6, 2021*.

ARACELI V. DOMAGAS, RCE, PhD
 UBAC Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, Nueva Vizcaya State University Invites Bids for the *Construction of CBE Building for Bayombong Campus*, with Project Identification Number *Project 2021-44*.

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

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

2. Funding Information

2.1. The GOP through the source of funding as indicated below for *General Fund (F101)* in the amount of *Php35,564,442.56*.

2.2. The source of funding is:

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

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

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

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

3. Bidding Requirements

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

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

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

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

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex “I” of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA’s CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

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

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

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.

The Procuring Entity has prescribed that:

[Select one, delete other/s]

- a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed fifty percent (50%) of the contracted Works.
 - b. Subcontracting is not allowed.
- 7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
- 7.2. *[If subcontracting is allowed during the contract implementation stage, state:]* The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.
- 7.3. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

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

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.

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

[Select one, delete other/s]

a. Philippine Pesos.

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

15. Bid Security

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

15.2. The Bid and bid security shall be valid until *March 29, 2022*. 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)

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.

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.

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.

Bid Data Sheet

ITB Clause							
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>2021-44: Construction of CBE Building for Bayombong Campus.</i>						
7.1	<i>[Specify the portions of Works and the maximum percentage allowed to be subcontracted, which shall not be significant or material components of the Project as determined by the Procuring Entity.]</i>						
10.3	<i>[Specify if another Contractor license or permit is required.]</i>						
10.4	The key personnel must meet the required minimum years of experience set below: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;"><u>Key Personnel</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>General Experience</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>			
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>					
10.5	The minimum major equipment requirements are the following: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center; border-bottom: 1px solid black;"><u>Equipment</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Capacity</u></th> <th style="text-align: center; border-bottom: 1px solid black;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td colspan="3" style="padding-top: 5px;"><u>(Referred to DUPA)</u></td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	<u>(Referred to DUPA)</u>		
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>					
<u>(Referred to DUPA)</u>							
12	<i>[Insert Value Engineering clause if allowed.]</i>						
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than <u>Php711,288.86</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; b. The amount of not less than <u>Php1,778,222.13</u> <i>[Insert five percent (5%) of ABC]</i> if bid security is in Surety Bond. 						
19.2	Partial bids are allowed, as follows: <i>[Insert grouping of lots by specifying the items and the quantity for every identified lot.]</i>						
20	<i>[List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.]</i>						
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.						

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

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.

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

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

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

Special Conditions of Contract

GCC Clause	
2	<i>[If different dates are specified for completion of the Works by section, i.e. “sectional completion,” these dates should be listed here.]</i>
4.1	<i>[Specify the schedule of delivery of the possession of the site to the Contractor, whether full or in part.]</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
10	Dayworks are applicable at the rate shown in the Contractor’s original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <u>Php5,334,666.39</u> <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> .
	The date by which “as built” drawings are required is <i>[date]</i> .

15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .
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Section VI. Specifications

Notes on Specifications

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

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

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

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

Sample Clause: Equivalency of Standards and Codes

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

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

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

Section VI. Specifications

Item No:	Description/Particular	Qty	Unit
A.1.1(3)	Construction of Field Office for the Engineer	LS	1.00
B.3	Permits & Clearances	LS	1.00
B.5	Project Billboard & Signboard	each	6.00
B.7(1)	Occupational Safety & Health Program	month	10.00
B.9	Mobilization and Demobilization	LS	1.00
B.16	Recognition Plate / Project Marker	each	1.00
B.19	Geotechnical Exploration	LS	1.00
800(2)	Clearing & Grubbing	LS	1.00
800(3)a2	Individual Removal of Trees	each	9.00
801(1)	Removal of Structures and Obstruction	LS	1.00
803(1)a	Structure Excavation (Common Soil)	cu.m	961.10
804(1)a	Embankment (From Structure Excavation)	cu.m	720.82
804(1)b	Embankment (From Borrow)	cu.m	669.60
804(4)	Gravel Fill	cu.m	112.00
900(1)a2	Structural Concrete - Footings & Slab on Fill	cu.m	210.22
900(1)a3	Structural Concrete - Footing Tie Beam	cu.m	57.58
900(1)a4	Structural Concrete - Column	cu.m	138.25
900(1)a5	Structural Concrete - Suspended Slab	cu.m	196.07
900(1)a6	Structural Concrete - Beams/Girders	cu.m	144.86
902(1)a	Reinforcing Steel - Deformed	kg	102,476.53
902(2)	Reinforcing Steel - Plain	kg	37.90
903(1)	Formworks or Falsework	LS	1.00
1000(1)	Soil Poisoning	liter	43.00
1001(5)b	Catch Basin - CHB	sq.m	226.00
1001(8)	Sewer Line Works	LS	1.00
1001(9)	Storm Drainage & Downspout	LS	1.00
1002(24)	Cold Water Lines	LS	1.00
1002(27)	Plumbing Fixtures	LS	1.00
1003(1)a1	Ceiling - Metal Frame	sq.m	537.60
1003(22)	Modular Partition	sq.m	17.30
1004(2)	Finishing Hardware	LS	1.00
1007(1)a	Aluminum Framed Glass Door	sq.m	20.16
1008(2)	Aluminum Glass Windows	LS	1.00
1010(2)b	Doors - Panel Door	sq.m	76.20
1011(1)a	Roll-Up Door	set	2.00
1013(2)a2	Fabricated Metal Roofing Accessory - Flashing	ln.m	116.40
1014(1)b2	Prepainted Metal Sheet - Rib Type Long Span	sq.m	491.00
1016(1)a	Waterproofing	sq.m	429.46
1018(1)	Glazed Tiles & Trim	sq.m	1,127.19
1018(2)	Unglazed Tiles	sq.m	631.63
1027(1)	Cement Plaster	sq.m	5,621.52
1032(1)a	Painting Works - Masonry	sq.m	5,372.58
1032(1)b	Painting Works - Wood	sq.m	76.20
1032(1)c	Painting Works - Steel	sq.m	1,469.22
1038(1)	Reflective Insulation	sq.m	489.60
1046(2)a2	CHB Non Load Bearing (Including RSB)	sq.m	1,390.45
1047(8)	Structural Steel - Roof Framing	LS	1.00
1051(6)	Railings	LS	1.00
1100	Conduit, Boxes & Fittings (Conduit Works)	LS	1.00
1101(33)	Wires & Wiring Devices	LS	1.00
1102(1)	Panelboard with Main & Branch Breakers	LS	1.00
1103(1)	Lighting Fixtures & Lamps	LS	1.00
1200(13)c	Airconditioning and Ventilating System	LS	1.00

Section VII. Drawings

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

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

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

Signature Box

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

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

Bill of Quantities

Name of Project : **2021-44: Construction of CBE Building for Bayombong Campus**

Location : NVSU Bayombong, Nueva Vizcaya

Mode of Implementation : Public Bidding

Source of Fund : General Fund

Number of Calendar Days to Complete: 300 calendar days

Approved Budget for Contract : Php35,564,442.56

ITEM	DESCRIPTION OF WORK	QTY	UNIT	UNIT COST	AMOUNT
A.1.1(3)	Construction of Field Office for the Engineer	LS	1.00		
B.3	Permits & Clearances	LS	1.00		
B.5	Project Billboard & Signboard	each	6.00		
B.7(1)	Occupational Safety & Health Program	month	10.00		
B.9	Mobilization and Demobilization	LS	1.00		
B.16	Recognition Plate / Project Marker	each	1.00		
B.19	Geotechnical Exploration	LS	1.00		
800(2)	Clearing & Grubbing	LS	1.00		
800(3)a2	Individual Removal of Trees	each	9.00		
801(1)	Removal of Structures and Obstruction	LS	1.00		
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804(4)	Gravel Fill	cu.m	112.00		
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900(1)a5	Structural Concrete - Suspended Slab	cu.m	196.07		
900(1)a6	Structural Concrete - Beams/Girders	cu.m	144.86		
902(1)a	Reinforcing Steel - Deformed	kg	102,476.53		
902(2)	Reinforcing Steel - Plain	kg	37.90		
903(1)	Formworks or Falsework	LS	1.00		
1000(1)	Soil Poisoning	liter	43.00		
1001(5)b	Catch Basin - CHB	sq.m	226.00		
1001(8)	Sewer Line Works	LS	1.00		
1001(9)	Storm Drainage & Downspout	LS	1.00		
1002(24)	Cold Water Lines	LS	1.00		
1002(27)	Plumbing Fixtures	LS	1.00		
1003(1)a1	Ceiling - Metal Frame	sq.m	537.60		
1003(22)	Modular Partition	sq.m	17.30		
1004(2)	Finishing Hardware	LS	1.00		
1007(1)a	Aluminum Framed Glass Door	sq.m	20.16		
1008(2)	Aluminum Glass Windows	LS	1.00		
1010(2)b	Doors - Panel Door	sq.m	76.20		

1011(1)a	Roll-Up Door	set	2.00		
1013(2)a2	Fabricated Metal Roofing Accessory - Flashing	ln.m	116.40		
1014(1)b2	Prepainted Metal Sheet - Rib Type Long Span	sq.m	491.00		
1016(1)a	Waterproofing	sq.m	429.46		
1018(1)	Glazed Tiles & Trim	sq.m	1,127.19		
1018(2)	Unglazed Tiles	sq.m	631.63		
1027(1)	Cement Plaster	sq.m	5,621.52		
1032(1)a	Painting Works - Masonry	sq.m	5,372.58		
1032(1)b	Painting Works - Wood	sq.m	76.20		
1032(1)c	Painting Works - Steel	sq.m	1,469.22		
1038(1)	Reflective Insulation	sq.m	489.60		
1046(2)a2	CHB Non Load Bearing (Including RSB)	sq.m	1,390.45		
1047(8)	Structural Steel - Roof Framing	LS	1.00		
1051(6)	Railings	LS	1.00		
1100	Conduit, Boxes & Fittings (Conduit Works)	LS	1.00		
1101(33)	Wires & Wiring Devices	LS	1.00		
1102(1)	Panelboard with Main & Branch Breakers	LS	1.00		
1103(1)	Lighting Fixtures & Lamps	LS	1.00		
1200(13)c	Airconditioning and Ventilating System	LS	1.00		
	SUB TOTAL:				
	TOTAL ESTIMATED (DIRECT + INDIRECT) COST:				

Prepared by:

Civil Engineer

PRC NO.:

PTR NO.:

Submitted by:

_____ Expiry Date:

_____ Date Issued:

Contractor's Representative

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY : Airconditioning and Ventilating System
 ITEMS
 COST : 1200(13)c
 ID
 QTY **1.00** **LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p>Wall mounted exhaust fan, 12" Orbit Fan, 18"</p> <p>2HP Air Conditioning Unit, Split type, inverter capacity 19000kj/Hw Power Consumption (Cooling,W) 1520W, full installation including condensate drain system and refrigerant piping</p> <p>Scope: Furnishing and Installation of specified ACU complete with condensate drain. use water line pipe blue. (this materials is included in the cost of the airconditioning unit)</p> <p>This includes:</p> <p style="margin-left: 40px;">40 uPVC Blue Pipe 3/4 Ø 40 uPVC Blue Tee 3/4 Ø 40 uPVC Blue Tee 3/4 Ø uPVC Blue 10 Female Adopter 3/4 Ø 10 uPVC Blue Male Plug 3/4 Ø 2 PVC Solvent</p> <p>Note: for Airconditioning (Materials, installation, equipment and labor cost are included in material cost for Air Conditioning)</p>	<p>set set set</p>	<p>34.00 60.000 30.00</p>		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
<p>Note: Work shall only be done in the presence of the contractor's electrical engineer or master electrician and other contractor technical personnel</p> <p>Leadman (REE/RME) Electrician(Skilled) Laborer</p>				
SUB - TOTAL (B)				

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equip.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST
Page	1			

Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Lighting Fixtures & Lamps

ITEMS : 1103(1)

QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
20 Watts LED T8 Tube & Box Type Set	pcs	90.00		
Louver, Aluminum reflector for 20W LED T8 Tube	pcs	90.000		
12 Watts LED Bulb, Daylight for CR	pcs	8.000		
14 Watts LED Bulb, Daylight for Hallway & Room	pcs	39.00		
E27 Ceiling Receptacle 4 1/4", Porcelain	pcs	47.00		
Note: Work shall only be done in the presence of the contractor's electrical engineer or master electrician				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Leadman (REE/RME)				
Electrician(Skilled)				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipmt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
		1. OCM		
		2. Contractor's Profit		
		3. 5 % VAT		
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				
Page	2			

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Panelboard with Main and Branch Breakers
 COST
 ID : 1102(1)
 QTY **1.00** **LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
10 branches panel board, 2P, Center Main Bolt-on main and branches w/ copper hot and ground busbars	set	15.00		
6 branches Panel board, 3P, Center Main Bolt-on main and branches w/ copper hot and	set	3.00		
4 branches Panel board, MDP, 3P, Center Main Bolt-on main and branches w/ copper hot and ground busbars	set	1.00		
15AT Circuit Breaker, 2Pole	pc	15.00		
20AT Circuit Breaker, 2Pole	pc	15.00		
30AT Circuit Breaker, 2Pole	pc	68.00		
50AT Circuit Breaker, 2Pole	pc	15.00		
50AT Circuit Breaker, 2Pole	pc	15.00		
125AT Circuit Breaker, 3Pole	pc	3.00		
125AT Circuit Breaker, 3Pole	pc	3.00		
250AT Circuit Breaker, 3Pole	pc	1.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Leadman (REE/RME) Electrician(Skilled) Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Eqipt.	Total Hours	Rate	Cost
Note: Work shall only be done in the presence of the contractor's electrical engineer or master electrician				
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Wires & Wiring Devices

ITEMS

COST ID : 1101(33)

QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
2.0mm ² THHN Cu. Wire	In.m	1,681.00		
3.5mm ² THHN Cu. Wire	In.m	749.000		
2.0mm ² THWN Cu. Wire	In.m	375.000		
5.5mm ² THHN Cu. Wire	In.m	1,380.00		
3.5mm ² THWN Cu. Wire	In.m	690.00		
14mm ² THHN Cu. Wire	In.m	918.00		
5.5mm ² THWN Cu. Wire	In.m	459.00		
50mm ² THHN Cu. Wire	In.m	90.00		
14mm ² THWN Cu. Wire	In.m	30.00		
150mm ² THWN Cu. Wire	In.m	45.00		
30mm ² THWN Cu. Wire	In.m	15.00		
80mm ² ACSR, Polyethylene Insulated	In.m	180.00		
1-gang, switch wide series	set	29.00		
2-gang, switch wide series	set	6.00		
3-gang, switch wide series	set	15.00		
Special outlet	set	34.00		
Air-conditioning outlet	set	34.00		
2 Gang Universal Outlet w/ ground	set	66.00		
Rubber Tape	roll	3.00		
Electric Tape (Big)	roll	45.00		
Copper Coated Ground Rod 5/8 x 10	pc	1.00		
Ground Clamp 5/8	pc	1.00		
Solderless Connector	pc	6.00		
Secondary Rack w/ spoon insulator w/ complete accessories	set	5.00		
Consumables (Cost for Tapping Service Drop)	LS	1.00		
Note: Tapping of Service Drop will be coordinated to the NUVELCO and will be shouldered by the contractor				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Note: Work shall only be done in the presence of the contractor's electrical engineer or master electrician				
Leadman (REE/RME)				
Electrician(Skilled)				
Laborer				
SUB - TOTAL (B)				

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST
Page	4			

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Conduit Boxes & Fittings (Conduit Works)
 COST ID : 1100(10)
 QTY **1.00** **LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
20mmØ uPVC Thick Wall	pc	643.00		
50mmØ uPVC Thick Wall	pc	10.00		
100mmØ uPVC Thick Wall	pc	5.000		
50mmØ uPVC Long Elbow	pc	45.000		
100mmØ uPVC Long Elbow	pc	2.00		
20mmØ uPVC Male Threaded Adaptor	pc	120.00		
50mmØ uPVC Male Threaded Adaptor	pc	6.00		
100mmØ uPVC Male Threaded Adaptor	pc	1.00		
20mmØ uPVC Lock Nut	pc	120.00		
50mmØ uPVC Lock Nut	pc	6.00		
100mmØ uPVC Lock Nut	pc	1.00		
20mmØ uPVC Connector	pc	30.00		
50mmØ uPVC Connector	pc	20.00		
100mmØ uPVC Connector	pc	2.00		
100mmØ Entrance Cap w/ adaptor	pc	1.00		
Junction Box w/ cover & screw	pc	191.00		
2 x 4 Utility Box	pc	50.00		
400 ml PVC Solvent	can	10.00		
Tie Wire #16	kg	10.00		
Butane gas (270 ml)	can	30.00		
Blow torch (for butane gas)	pcs	2.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Leadman (REE/RME)				
Electrician(Skilled)				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipmt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

**Note: Work shall only be done in the presence of the contractor's electrical engineer or master electrician
 The contractor shall submit the electrical conduit layout plan showing location of junction boxes**

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Railings
 COST ID : 1051(6)

QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Railings & Stair Railings:				
2" x 4" x 1.5mm x 6.0m Tubular	pcs	95.00		
1" x 2" x 1.5mm x 6.0m Tubular	pcs	26.00		
1" x 1" x 1.5mm x 6.0m Tubular	pcs	64.000		
1 1/2" Ø GI Pipe Schedule 40	pcs	32.00		
1 1/2" Ø Stainless Steel Pipe, Schedule 40	pcs	24.00		
Scope of work:				
1. Railings at hallway, Stair Railings and Railings Above Roof Beam towards the concrete gutter.				
2. Railings of ramp.				
Facade:				
2" x 4" x 1.5mm x 6.0m Tubular	pcs	90.00		
12mm x 1.2m x 2.4m Hardiflex Board	pcs	77.00		
Hardiflex Screws (500 pcs / box)	box	10.00		
Waterproof Fireproof Exterior Wood Plastic Wall Panel 3D Wood Grain	pcs	160.00		
Decorative WPC Wall Cladding(21mm x 174mm x 2.2m)	pcs			
Welding Rod, E6013 (5kg/box)	box	20.000		
Consumables (Grinding Disk,Sand Paper etc.)	LS	1.00		

Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff

SUB-TOTAL (A)

B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Welder				
Laborer				

SUB - TOTAL (B)

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Scaffolding Rental	1	LS		
Minor Tools (10% of Labor Cost)	1	LS		

SUB - TOTAL (C)

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Structural Steel - Roof Framing
 COST ID : 1047(8)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
300 pcs - Angular Bar, 6mm x 50mm x 50mm	kg	8,175.00		
100 pcs - Base Plate, 10mm x 125mm x 250mm	kg	246.25		
Welding Rod, E6013 (5kg/box)	box	24.000		
Epoxy Metal Primer, Gray	gal	89.000		
Paint Thinner	gal	18.00		
Consumables (Sand Papers, Grinding Disc, etc.)	LS	1.00		
Welding Machine inverter type	set	2.00		
Cut off machine	set	1.00		
160 pcs - LC section, 1.5mm thick x 50mm x 100mm	kg	2,496.00		
64 pcs - LC section , 1.5mm thick x 50mm x 100mm (ceiling hangers)	kg	998.40		
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
Note:				
1. Inclined braces at grid line 3 (bottom to top) Anchored at base plate on grid A,B,C,K,L & M toward the topchord of the adjacent truss (total of 6 sets - 3 sets each in opposite inclined direction)				
2. at least two coats of epoxy primer				
3. Two sets of welding machine and cut off machine will be turn over to the university.				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Welder				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipmt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
		1. OCM		
		2. Contractor's Profit		
		3. 5 % VAT		
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : CHB Non Load Bearing (Including Reinforcing Steel)
 COST ID : 1046(2)a1 Productivity: sq.m/(hr*worker)
 QTY **1,390.45 sq.m** Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement	bags	1,409.00		
Screened & Washed Sand, S-1	cu.m	130.00		
5" CHB	pcs	18,076.00		
6.0m x 10mm dia RSB	kg	3,665.90		
#16 Tie Wire	kg	92.00		
Includes inner & outer walls, comfort rooms, ramp, catch basin septic tank, and repair for old CMT Building.				
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipmt.	Total Hours	Rate	Cost
One Bagger Mixer	1			
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
1. OCM 2. Contractor's Profit 3. 5 % VAT				
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Reflective Insulation
 COST ID : 1038(1)
 QTY **489.60 sq.m**

A. MATERIALS : COST/UNIT		UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Reflective Insulation (Double Bubble Double Sided One Meter wide , 1 cm thick)		ln.m	490.00		
Wiremesh Screen, 4ft x 25m (as per sample)		roll	20.000		
Tie Wire, #16		kg	10.000		
Consumables (Aluminum Foil Tape/adhesive)		LS	1.00		
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>					
SUB-TOTAL (A)					-
B. LABOR COST		QUANTITY		Hourly Rate	Total Cost
		No. Personnel	Total Hours		
Foreman					
Skilled					
Laborer					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QUANTITY		Hourly Rate	Total Cost
		No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)		1	LS		
SUB - TOTAL (C)					
TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM					
2. Contractor's Profit					
3. 5 % VAT					
TOTAL INDIRECT COST					
					TOTAL COST (D + E)
					UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Painting Works - Steel

COST ID : 1032(1)c

Productivity: sq.m/(hr*worker)

QTY **1,469.22 sq.m**

Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Epoxy Metal Primer, Gray	gal	98.00		
QDE Paint, Approved Color	gal	98.00		
Easy Tite Body Filler	gal	4.00		
Paint Brush 2"	pcs	10.00		
Paint Roller 4'	pcs	10.00		
Consumables (News Paper, Tape, Sand Paper)	LS	1.00		
Scope of Work:				
For Steel Deck Painting, Railings, Stair Railing and Facade frame				
Steel truss and purlins painting work is included in item 1047(8) - Structural Steel Roof Framing				

Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff

SUB-TOTAL (A)

B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				

SUB - TOTAL (B)

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1			

SUB - TOTAL (C)

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Painting Works - Wood
ITEMS

COST ID : 1032(1)b

Productivity: sq.m/(hr*worker)

QTY **76.20 sq.m**

Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT		UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Flat Wall Enamel		Pail	1.00		
QDE, Approved Color		gal	6.000		
Masonry/Glazing Putty		gal	4.000		
Consumables (News Paper, Tape, Sand Paper)		LS	1.00		
Scope of Work: For Panel Doors and Frames					
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>					
SUB-TOTAL (A)					
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost	
	No. Personnel	Total Hours			
Foreman					
Skilled					
Laborer					
SUB - TOTAL (B)					
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost	
	No. of Equipmt.	Total Hours			
Minor Tools (10% of Labor Cost)	1	LS			
SUB - TOTAL (C)					
TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM					
2. Contractor's Profit					
3. 5 % VAT					
TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

Unit Price Analysis

JOB Construction of CBE Building
PAY : Painting Works - Masonry/Concrete
ITEMS

COST ID : 1032(1)a

Productivity: sq.m/(hr*worker)

QTY 5,372.58 sq.m

Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Skim Coat - 20kg, 1 pail	Pail	430.00		
Flat Latex Paint	Pail	54.00		
Masonry putty	gal	269.000		
Semi-gloss Latex Paint, White	Pail	108.000		
Semi-gloss Latex Paint, Ready Mix (Approved Color)	Pail	8.00		
Tinting Color, Assorted	liter	180.00		
Paint Roller, 7" w/ handle	set	20.00		
Paint Brush, 4" w/ handle	set	20.00		
Paint Brush, 4"	pc	12.00		
Paint Brush, 3"	pc	8.00		
Paint Brush, 2"	pc	15.00		
Consumables (News Paper, Tape, Sand Paper)	LS	1.00		
Scope of Work: For All Concrete Surfaces.				
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Eqpmt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Cement Plaster Finish
 ITEMS

COST ID : 1027(1)

Productivity: sq.m/(hr*worker)

QTY **5,621.52** **sq.m**
 140.54 **cu.m**

Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement	bags	2,530.00		
Screened & Washed Sand, S-1	cu.m	141.00		
Note: Plaster Finish includes floor finish at all sides of the cantilever slab				
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equip.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				
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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Unglazed Tiles

COST ID : 1018(2)

Productivity: sq.m/(hr*worker)

QTY **631.63 sq.m**

Total
Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
30cm x 60cm Unglazed Ceramic Tiles (Bricks Design)	pcs	285.00		
30cm x 30cm Unglazed Ceramic Tiles	pcs	6,456.00		
Portland Cement	bags	143.00		
Tile Adhesive	bags	106.000		
Tile Grout, Approved Color	pack	79.000		
Fine & Washed Sand	cu.m	12.00		
8ft - Anti-Slip Aluminum Stair Nosing for stairs	pcs	78.00		
Bricks Design: 50.631 sq.m				
Third Floor Hallway: 153.80 sq.m				
Second Floor Hallway: 153.80 sq.m				
Third Floor Hallway: 153.80 sq.m				
Stairs: 64.00 sq.m				
Comfort Room: 55.6 sq.m				
631.63 sq.m				
SUB-TOTAL (A)				-
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Glazed Tiles & Trims

COST ID : 1018(1)

Productivity: sq.m/(hr*worker)

QTY **1,127.19 sq.m**

Total
Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
60cm x 60cm Glazed Ceramic Tiles (Rooms)	pcs	2,845.00		
30cm x 30cm Glazed Ceramic Tiles (CR & Lav)	pcs	1,147.00		
Portland Cement	bags	254.00		
Tile Adhesive	bags	188.000		
Tile Grout, Approved Color	pack	141.000		
Fine & Washed Sand	cu.m	22.00		
CR Wall Tiles: 98.64 sq.m				
Lavatories: 4.55 sq.m				
Room Floor Tiles: 1,024.00 sq.m				
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Waterproofing, Cement Base
 COST ID : 1016(1)a
 QTY **429.46 sq.m**

Productivity: sq.m/(hr*worker)
 Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement	bags	14.00		
Waterproofing Liquid (Boysen Plexibond #7760)	gal	79.000		
Gutter Floor: 37.575 sq.m				
Gutter Side				
Wall: 47.094 sq.m				
Parapet Wall: 196.41 sq.m				
Roof Deck				
Cantilever Slab: 148.38 sq.m				
429.46 sq.m				
Application of Waterproofing liquid will be 5-6 sq.m per gallon, 1 gal shall be mixed with 6.5kg to 7.5kg of cement				
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqiupt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Prepainted Metal Sheets - Rib Type Long Span
 COST ID : 1014(1)b2
 QTY **491.00 sq.m**

Productivity: sq.m/(hr*worker)
 Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Prepainted Metal Sheet, Double Rib Type 0.5mm thick	sq.m	1.00		
Prepainted Metal Sheet, Double Rib Type 0.5mm thick (Gross Area to be installed includes lap length)	sq.m	490.00		
Tekscrew #12/65 (500 pc/box)	box	12.000		
Toks w/ Screw as per sample	pcs	342.00		
Aluminum Blind Rivet, 1/8" x 1/2"	box	5.00		
Consumables (Sealant, Aluminum Tape, etc.)	LS	1.00		
1 sq.m Prepainted Metal sheet will be used for the cover (see detail F)				

Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff

SUB-TOTAL (A)

B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				

SUB - TOTAL (B)

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		

SUB - TOTAL (C)

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Fabricated Metal Roofing Accessory - Flashing
 COST ID : 1013(2)a2
 QTY **116.40 In.m**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Prepainted Side/End Flashing, 0.5mm thick	pcs	58.00		
Tekscrew	pcs	150.00		
Blind Rivet, 1/8" x 1" - 500pc/box	box	2.00		
Consumables (Sealant & other Fasteners)	LS	1.00		

Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff

SUB-TOTAL (A)

B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				

SUB - TOTAL (B)

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		

SUB - TOTAL (C)

TOTAL DIRECT COST (A + B + C)			
ADD: INDIRECT COST			
	1. OCM		
	2. Contractor's Profit		
	3. 5 % VAT		
TOTAL INDIRECT COST			
			TOTAL COST (D + E)
			UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Roll-Up Door
 COST ID : 1011(1)a
 QTY **2.00 set**

A. MATERIALS : COST/UNIT		UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Roll-up Door with Standard Blades, Frame & Lockset & Accessories, 2.0m x 2.75m x 2 sets		set	2.00		
Heavy Duty Padlock with 3 keys		set	2.00		
Scope of Work: Roll up door will be installed at both stairs going to second floor					
SUB-TOTAL (A)					
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost	
	No. Personnel	Total Hours			
(Installation Cost is included in the unit price)					
SUB - TOTAL (B)					
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost	
	No. of Equipt.	Total Hours			
(Equipment Cost is included in the unit price)					
SUB - TOTAL (C)					
TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM					
2. Contractor's Profit					
3. 5 % VAT					
TOTAL INDIRECT COST					
					TOTAL COST (D + E)
					UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Doors - Wooden Panel

COST ID : 1010(2)b

QTY **76.20 sq.m**

A. MATERIALS : COST/UNIT		UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Wooden Panel Door Including Frame, Doorknob and accessories 1.0m x 2.1m x 2 sets D-2		sq.m	4.20		
Wooden Panel Door Including Frame, Door Knob Transom, 1/4" thick clear glass and accessories 0.9m x 2.5m x 30 sets D-1		sq.m	67.50		
Wooden Panel Door Including Frame, Door Knob Transom, 1/4" thick clear glass and accessories 0.9m x 2.5m x 2 sets D-1a		sq.m	4.50		
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>					
SUB-TOTAL (A)					
B. LABOR COST		QUANTITY		Hourly Rate	Total Cost
		No. Personnel	Total Hours		
(Installation Cost is included in the unit price)					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QUANTITY		Hourly Rate	Total Cost
		No. of Equipmt.	Total Hours		
(Equipment Cost is included in the unit price)					
SUB - TOTAL (C)					
TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
<div style="margin-left: 150px;"> 1. OCM 2. Contractor's Profit 3. 5 % VAT </div>					
TOTAL INDIRECT COST					
					<hr/>
					TOTAL COST (D + E)
					UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Aluminum Glass Windows
 COST ID : 1008(2)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
W-1 (PVC Sliding Window w/ Window Grills) (2.4m x 1.5m x 34 sets)	sq.m	122.40		
W-1a (PVC Awning Window w/ Fixed Part) (2.8m x 1.125m x 6 sets)	sq.m	18.900		
W-2 (PVC Sliding Window w/ Fixed Part) (2.0m x 1.6m x 30 sets)	sq.m	96.00		
W-3 (PVC Awning Window) (0.4m x 1.0m x 4 sets)	sq.m	1.60		
W4 (Aluminum Framed Fixed Window w/ Fixed Part) (1.7m x 2.25m x 4 sets)	sq.m	15.30		
W5 (Aluminum Framed Awning Window) (0.5m x 2.0m x 12 sets)	sq.m	12.00		
W6 (Aluminum Framed Awning Window w/ Fixed Parts and Outer Tubular Frame) (9.18m x 1.925m x 2 sets)	sq.m	35.34		
W7 (Aluminum Framed Awning window w/ Fixed Parts and Outer Tubular Frame) (3.5m x 7.08m x 2 sets)	sq.m	49.56		
W8 (Aluminum Framed Awning Window w/ Fixed Parts and Outer Tubular Frame) (5.18m x 7.0m x 1 set)	sq.m	36.26		
19 pcs - 2" x 4" x 1.5mm x6m Tubular GI	kg	396.16		
Misc(Fasteners,Bolts,etc.)	LS	1.00		
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
Note: Tubular is for outer frame to be installed before Aluminum Frame shall be 1 3/4" x 4"				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
(Installation Cost is included in the unit price)				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
(Equipment Cost is included in the unit price)				
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Aluminum Glass Doors
 COST ID :
 1007(1)a
 QTY **20.16 sq.m**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Sliding Aluminum Glass Door w/ 1/4" thick clear glass on 1 3/4" x 4" aluminum frame complete accessories 1.6m x 2.1m x 6 sets D-3	sq.m	20.16		
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
(Installation Cost is included in the unit price)				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Eqipt.	Total Hours	Rate	Cost
(Equipment Cost is included in the unit price)				
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
			TOTAL COST (D + E)	
			UNIT COST	

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Finishing Hardware
 COST ID : 1004(2)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Security Padlock (Abloy PL320/20 High Security Padlock)	set	4.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. of Personnel	Total Hours		
Skilled Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
Minor Tools (10% Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
TOTAL INDIRECT COST				

				TOTAL COST (D + E)
				UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Modular Partition

COST ID : 1003(22)

QTY **17.30 sq.m**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p style="text-align: center;">Furnishing & Installation of Modular Toilet Partition: 13mm thick Solid Plastic Laminated Cubicle Partition complete with stainless chrome accessories, indicator, hinges bracket, head rail ,adjustable footleg, etc. Including Doors w/ complete accessories.</p> <p style="text-align: center;">Urinal Divider - Solid Laminated Panel complete with bracket and other accessories. 0.40m x 0.90m - 2 sets</p> <p><i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i></p>	sq.m	16.5825		
	sq.m	0.72		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
<p style="text-align: center;">Foreman</p> <p style="text-align: center;">Skilled</p> <p style="text-align: center;">Laborer</p>				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	<p style="text-align: center;">1. OCM</p> <p style="text-align: center;">2. Contractor's Profit</p> <p style="text-align: center;">3. 5 % VAT</p>			
TOTAL INDIRECT COST				
TOTAL COST (D + E)				

Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Ceiling - Metal Frame

ITEMS COST ID : 1003(1)a1

Productivity: sq.m/(hr*worker)

QTY **537.60 sq.m** Total Productivity: sq.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Cement Fiber Board, 1/4" thick x 4' x 8'	pcs	200.00		
Metal furring, 0.8mm x 12mm x 50mm x 5m	pcs	264.00		
Primary Channel, 0.8mm x 12mm x 38mm x 5m	pcs	148.00		
W-Clip, 10 pc/set	set	450.00		
C-Purlins, 1.5mm x 50mm x 100mm x 6m	pcs	30.00		
Wall Angle, 0.8mm x 38mm x 38mm x 5m	pcs	65.00		
Colonial Casing, 1" x 2" x 10'	pcs	65.00		
Tox Screw	pcs	4,800.00		
Blind Rivet, 1/8" x 3/4" - 1000pc/box	box	24.00		
Miscellaneous	LS	1.00		
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT
COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT
COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Plumbing Fixtures
 COST ID : 1002(27)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Closed Coupled Water Closet, CS6815N - Titan	set	8.00		
Lavatory w/ short pedestal - (titan complete acc.)	set	2.00		
Urinals, Kohoutek - U28 Hcg (complete w/ flush valve)	set	3.00		
Hand Bidet (1x hand held bathroom toilet)	set	8.00		
(ABS Bath Bidet Diaper Shower Head Sprayer)				
Faucets, Cuff single handle wall-mount kit. (Faucet- kohler)	set	14.00		
Stainless Grab Handrail - Concealed mount	set	2.00		
Stainless Steel Floor Drain D-87	set	10.00		
Angle Valve, 1/2" Ø - WC	set	8.00		
Water Meter, Great Volume - 32mm Ø	set	1.00		
Hose Bibb	set	2.00		
Flexible House Brass, 1/2" Ø POZZI JY-5	set	8.00		
Soap Holder, BA 31-Titan	set	10.00		
Paper Holder, BA 38-Titan	set	10.00		
Consumables(Teflon Tape,Sealant,etc.)	LS	1.00		

Note: Work shall only be done in the presence of the contractor's master plumber and other contractor's technical staff

SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled (Plumber)				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		

SUB - TOTAL (C)

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Cold Water Lines

COST ID : 1002(24)

QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
32mm Ø PPR Pipe (from tapping point to bldg)	pc	20.00		
25mm Ø PPR Pipe	pc	16.00		
20mm Ø PPR Pipe	pc	17.00		
PPR Gate Valve, 32mm Ø	pc	2.00		
PPR Gate Valve, 25mm Ø	pc	4.00		
Tee Reducer, 32mm x 25mm Ø	pc	4.00		
Tee Reducer, 25mm x 20mm Ø	pc	24.00		
Elbow Reducer, 32mm x 25mm Ø	pc	2.00		
End Cap, 32mm Ø	pc	1.00		
End Cap, 25mm Ø	pc	4.00		
End Cap, 20mm Ø	pc	27.00		
Coupling, 32mm Ø	pc	24.00		
Coupling Reducer	pc	27.00		
PPR Tee Adapter, 20mm Ø	pc	13.00		
Elbow Adapter, 20mm Ø	pc	12.00		
Fusion machine, Complete set (20,25,32mm Ø)	pc	1.00		
uPVC Pipe Cutter, Tolsen	pc	1.00		
Miscellaneous (fittings, etc.)	pc	1.00		
Note: All PPR Pipe shall be PN 20				
Fusion Machine will be turn over to the PPSDS with certificate of acceptance.				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Note: Work shall only be done in the presence of the contractor's master plumber and other contractor's technical staff				
Foreman				
Skilled (Plumber)				
Laborer				
SUB - TOTAL (B)				

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipmt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST
Page	27			

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Storm Drainage & Downspout
 COST ID : 1001(9)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
4" Ø uPVC Pipe S1000	pcs	36.00		
uPVC Solvent Cement, 400cc	can	5.00		
3mm x 38mm Flat Bar Clamp Holder w/ nuts & bolts	set	30.00		
4" Ø uPVC Cleanout w/ plug S1000	pcs	4.00		
4" Ø uPVC Tee S1000	pcs	5.00		
4" Ø uPVC Bend	pcs	12.00		
Miscellaneous (Fabricated Clamp, etc)	LS	1.00		
Scope: Includes erection and dismantling of scaffoldings, fabrication of flat bar clamps and installation of downspout securely placed on column with expansion bolt.				
Note: Condensate drain system is included in other item 1200(13)				
Note: Work shall only be done in the presence of the contractor's master plumber and other contractor's technical staff				
SUB-TOTAL (A)				-
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Skilled (Plumber)				
Laborer				
SUB - TOTAL (B)				-
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Eqipt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Sewer Line Works
 COST ID : 1001(8)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
4" dia. uPVC Pipe S1000 (atlanta)	pc	20.00		
4" x dia. uPVC CO with plug S1000 (atlanta)	pc	8.00		
4" dia. uPVC Elbow S1000 (atlanta)	pc	10.00		
4" x 2" dia. uPVC Tee reducer S1000 (atlanta)	pc	4.00		
4" dia. uPVC Bend with plug S1000 (atlanta)	pc	24.00		
4" dia. uPVC Wye S1000 (atlanta)	pc	12.00		
4" dia. uPVC Socket S1000 (atlanta)	pc	6.00		
4" x 2" dia. uPVC Wye Reducer S1000 (atlanta)	pc	4.00		
4" dia. uPVC Tee S1000 (atlanta)	pc	3.00		
2" dia. uPVC Pipe S1000 (atlanta)	pc	42.00		
2" dia. uPVC CO with plug S1000(atlanta)	pc	6.00		
2" dia. uPVC Elbow S1000 (atlanta)	pc	28.00		
2: dia. uPVC Tee S1000 (atlanta)	pc	14.00		
2" dia. uPVC Bend with plug S1000 (atlanta)	pc	28.00		
2" dia. uPVC Wye S1000 (atlanta)	pc	21.00		
2" dia. uPVC P-trap with plug & seal S1000 (atlanta)	pc	16.00		
2" dia. uPVC socket S1000 (atlanta)	pc	4.00		
uPVC solvent	can	12.00		
Misc. (pipe clamp, hangers, pipe support system)	LS	1.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Note: Work shall only be done in the presence of the contractor's master plumber and other contractor's technical staff				
Foreman				
Skilled (Plumber)				
Laborer				
SUB - TOTAL (B)				

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipmt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST
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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Catch Basin/ Canal, CHB

COST ID : 1001(5)b

QTY **226.00 sq.m**

A. MATERIALS : COST/UNIT					UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement, 40 kg / bag					bags	229.00		
5" CHB					pcs	2,825.000		
Tie Wire #16					kg	15.00		
10mm Ø RSB					kg	595.84		
Screened & Washed Sand					cu.m	21.00		
Scope: Construction of 1m wide x 1m depth canal/catch basin with cover of reinforced concrete 0.10m thick. Concrete cover shall be constructed on existing pavement to minimize use of forms & placed on CB when cured								
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>								
SUB-TOTAL (A)								
B. LABOR COST					QUANTITY		Hourly Rate	Total Cost
					No. Personnel	Total Hours		
Foreman								
Skilled								
Laborer								
SUB - TOTAL (B)								
C. EQUIPMENT COST					QUANTITY		Hourly Rate	Total Cost
					No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)					1	LS		
SUB - TOTAL (C)								
TOTAL DIRECT COST (A + B + C)								
ADD: INDIRECT COST								
1. OCM								
2. Contractor's Profit								
3. 5 % VAT								
TOTAL INDIRECT COST								
								TOTAL COST (D + E)
								UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Soil Poisoning
 COST ID : 1000(1)
 QTY **43.00 liter**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p align="center">Termite Control (Hometrek)</p> <p>Coverage: 12.5 sq.m/liter Area: 528sq.m (48m x 11m)</p> <p>Note: Mix 2 litters of Hometrek* TC and 100 liters of water Apply an overall treatment under entire floor slab including porch floors and entrance platform at the rate of 4 liter solution per sq.m If fill is washed gravel or other coarse material, apply at the rate of 7 liter solution per sq.m</p> <p><i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i></p>	liter	43.00		
SUB-TOTAL (A)				-
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
<p align="center">Foreman Skilled Laborer</p>				
SUB - TOTAL (B)				-
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
<p align="center">Minor Tools (10% of Labor Cost)</p>	1	LS		-
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Formworks or Falsework
 COST
 ID : 903(1)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Phenolic Board, 0.019m x 1.22m x 2.44m	pcs	225.00		
Good Lumber, Assorted	bd.ft	6,000.000		
CW Nail, Assorted, 25kg / box	box	10.00		
Portable Circular Saw, Bosc	set	1.00		
Consumables (pencil, nylon rope, etc.)	LS	1.00		
<p>Note: Portable circular saw shall be used for cutting forms (Phenolic Board) in all phases of concrete works and it shall be turn-over to the infrastructure section w/ certificate of transfer. The said unit shall be brand new, All lumber after construction will be turn over to the university.</p> <p>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</p>				
SUB-TOTAL (A)				-
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				-
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
Scaffolding Rental	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

- 1. OCM
- 2. Contractor's Profit
- 3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Reinforcing Steel - Plain

COST ID : 902(2)

QTY **37.90 kg**

A. MATERIALS : COST/UNIT		UNIT	QUANTITY	UNIT PRICE	TOTAL COST
4 pcs - 16mm x 6.0m Plain Round Bar		kg	37.90		
Welding Rod, E6013 (5kg/box)		box	1.000		
Scope of Work: Ladder towards the concrete gutter entrance					
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>					
SUB-TOTAL (A)					
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost	
	No. Personnel	Total Hours			
Foreman					
Skilled					
Laborer					
SUB - TOTAL (B)					
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost	
	No. of Equipt.	Total Hours			
Minor Tools (10% of Labor Cost)	1	LS			
SUB - TOTAL (C)					
TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
	1. OCM				
	2. Contractor's Profit				
	3. 5 % VAT				
TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Reinforcing Steel - Deformed

COST ID : 902(1)a

Productivity: cu.m/(hr*worker)

QTY **102,476.53 kg**

Total Productivity cu.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Reinforcing Steel Bars	kg	102,476.53		
Tie Wire #16	kg	2,562.00		
Footings:				
16mm x 9m 126.00		1,790.59		
16mm x 7.5m 160.00		1,894.80		
16mm x 6.0m 113.00		1,070.56		
Column:				
20mm x 7.5m 1,034.00		19,131.59		
10mm x 6.0m 2,340.00		8,648.64		
(includes dowel for chb walls)				
Tie Beam:				
20mm x 12m 222.00		6,572.09		
20mm x 9m 18.00		399.65		
20mm x 7.5m 29.00		536.57		
20mm x 6.0m 6.00		88.81		
12mm x 6.0m 100.00		532.80		
10mm x 6.0m 478.00		1,766.69		
2nd Floor Beams:				
20mm x 12m 246.00		7,282.58		
20mm x 9m 4.00		88.81		
20mm x 7.5m 24.00		444.06		
20mm x 6.0m 94.00		1,391.39		
16mm x 12m 36.00		682.13		
16mm x 9m 8.00		113.69		
16mm x 7.5m 16.00		189.48		
16mm x 6.0m 208.00		1,970.59		
12mm x 7.5m 8.00		53.28		
12mm x 6.0m 103.00		548.78		
10mm x 6.0m 1,019.00		3,766.22		
3rd Floor Beams:				
20mm x 12m 168.00		4,973.47		
20mm x 7.5m 24.00		444.06		
20mm x 6.0m 78.00		1,154.56		
16mm x 7.5m 32.00		378.96		
16mm x 6.0m 260.00		2,463.24		

	12mm x 7.5m	8.00	53.28				
	12mm x 6.0m	121.00	644.69				
	10mm x 6.0m	1,049.00	3,877.10				
	Roof Beams:						
	16mm x 12m	78.00	1,477.94				
	16mm x 9m	10.00	142.11				
	16mm x 7.5m	60.00	710.55				
	16mm x 6.0m	42.00	397.91				
	12mm x 9m	8.00	63.94				
	12mm x 6.0m	190.00	1,012.32				
	10mm x 6.0m	487.00	1,799.95				
	Slab:						
1st	10mm x 6.0m	752.00	2,779.39				
2nd	12mm x 7.5m	180.00	1,198.80				
	12mm x 6.0m	609.00	3,244.75				
	10mm x 7.5m	180.00	831.60				
3rd	10mm x 6.0m	609.00	2,250.86				
	12mm x 7.5m	180.00	1,198.80				
	12mm x 6.0m	609.00	3,244.75				
	10mm x 7.5m	180.00	831.60				
Gslab	10mm x 6.0m	200.00	739.20				
	10mm x 6.0m	250.00	924.000				
Cant Slab	10mm x 6.0m	250.00	924.000				
TW	10mm x 6.0m	393.00	1,452.53				
	Stair & Landing						
	12mm x 6.0m	160.00	852.48				
	10mm x 6.0m	106.00	391.78				
	Stiffeners						
	12mm x 6.0m	80.00	426.24				
	10mm x 6.0m	80.00	295.68				
	Septic Tank & Inspection Box						
	10mm x 6.0m	272.00	1,005.31				
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff							
SUB-TOTAL (A)							
B. LABOR COST				QUANTITY		Hourly Rate	Total Cost
				No. Personnel	Total Hours		
	Foreman						
	Skilled						
	Laborer						
SUB - TOTAL (B)							

C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
Bar Bender	1			
Bar Cutter	1			
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
		1. OCM		
		2. Contractor's Profit		
		3. 5 % VAT		
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				
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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Structural Concrete - Beams/Girders
 COST ID : 900(1)a6 Productivity: cu.m/(hr*worker)
 QTY **144.86 cu.m** Total cu.m/hr
 Productivity:

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement	bags	1,304.00		
Screened & Washed Sand, S-1	cu.m	73.000		
Screened & Washed Gravel, G-1	cu.m	145.00		
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipmt.	Total Hours		
Minor Tools (Includes Portalift & Vibrator)	1	LS		
One Bagger Mixer	2			
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				

Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Structural Concrete - Suspended Slab

COST ID :
900(1)a5

Productivity: cu.m/(hr*worker)

QTY **196.07 cu.m**

Total
Productivity: cu.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement	bags	1,765.00		
Screened & Washed Sand, S-1	cu.m	99.000		
Screened & Washed Gravel, G-1	cu.m	197.00		
Steel Deck, 1.0mm x 0.452m x 3.82m (Verify)	pc	396.00		
Steel Deck, 1.0mm x 0.452m x 2.82m (Verify)	pc	216.00		
Decking Teckscrew 24mm x 20mm, 500 pc / box	box	16.00		
Consumables (Fasteners, Screws, etc.)	LS	1.00		
S-1 80.96 cu.m				
S-2 34.22 cu.m				
S-3 1.10 cu.m				
CS 37.96 cu.m				
Landing 3.00 cu.m				
Stair 28.512 cu.m				
Gutter 4.509 cu.m				
Gutter 5.80 cu.m				
Wall				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Skilled				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
Minor Tools (Includes Portalift & Vibrator)	1	LS		
One Bagger Mixer	2			
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Structural Concrete - Column

COST ID : 900(1)a4

Productivity: cu.m/(hr*worker)

QTY **138.25 cu.m**

Total
Productivity: cu.m/hr

A. MATERIALS : COST/UNIT				UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement				bags	1,245.00		
Screened & Washed Sand, S-1				cu.m	70.000		
Screened & Washed Gravel, G-1				cu.m	139.00		
C1	49.26	cu.m					
C2	43.79	cu.m					
C3	35.58	cu.m					
ST	9.63	cu.m					
	138.2490	cu.m					
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>							
SUB-TOTAL (A)							
B. LABOR COST				QUANTITY		Hourly Rate	Total Cost
				No. Personnel	Total Hours		
Foreman							
Skilled							
Laborer							
SUB - TOTAL (B)							
C. EQUIPMENT COST				QUANTITY		Hourly Rate	Total Cost
				No. of Eqipt.	Total Hours		
Minor Tools (Includes Portalift & Vibrator)				1	LS		
One Bagger Mixer				2			
SUB - TOTAL (C)							

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Structural Concrete - Footings and Slab on Fill

COST ID : 900(1)a2

Productivity: cu.m/(hr*worker)

QTY **210.22 cu.m**

Total Productivity: cu.m/hr

A. MATERIALS : COST/UNIT				UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Portland Cement				bags	1,892.00		
Screened & Washed Sand, S-1				cu.m	106.000		
Screened & Washed Gravel, G-1				cu.m	211.00		
F-1	46.66	cu.m					
F-2	50.56	cu.m					
F-3	28.31	cu.m					
Sog	59.14	cu.m					
Ramp	1.79	cu.m					
CHB Ftng	1.16	cu.m					
Road Ent	18.00	cu.m					
Catch Basin	1.73	cu.m					
Cover							
Steps	0.48	cu.m					
Septic Tank	2.4	cu.m					
	210.22	cu.m					
SUB-TOTAL (A)							
B. LABOR COST				QUANTITY		Hourly Rate	Total Cost
				No. Personnel	Total Hours		
Foreman							
Skilled							
Laborer							
Note: Sprayer will be used for cleaning of surfaces to be poured w/ concrete. All debris, loose concrete materials shall be removed before pouring of concrete.							
SUB - TOTAL (B)							
C. EQUIPMENT COST				QUANTITY		Hourly Rate	Total Cost
				No. of Equipt.	Total Hours		
Power Sprayer				1			
Minor Tools (Vibrator)				1	LS		
One Bagger Mixer				2			
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff							
SUB - TOTAL (C)							

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Gravel Fill

COST ID : 804(4)

Productivity: cu.m/(hr*worker)

QTY **112.00 cu.m**

Number of hours: cu.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p align="center">Gravel Materials, Max. 50mm - Washed</p> <p>Column Footing: 27.896 cu.m</p> <p>Slab on Grade & Tie Beam: 61.38 cu.m</p> <p>Septic Tank & Inspection Box: 4 cu.m</p> <p>+20% shrinkage 112 cu.m</p> <p>Scope of Work:</p> <p>All footing shall be filled with gravel before placing rebars.</p> <p>Provide concrete spacer with a thickness of 75mm.</p> <p>Spacer shall be with adequate number to hold the footing rebars stable.</p> <p>Footing rebars shall be placed properly as to plan.</p>	cu.m	112.0000		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
<p>Foreman</p> <p>Laborer</p>				
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
<p>Minor Tools (10% of Labor Cost)</p> <p>Plate Compactor, 5 HP</p>	1.00			
	1.00	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Embankment from Borrow

ITEMS

COST ID : 804(1)b

Productivity: cu.m/(hr*worker)

QTY **669.60 cu.m**

Number of
hours: cu.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Mixed Gravel & Sand or approved materials 2.50 cu.m / T-load Volume: 535.68 cu.m 25% shrinkage 669.60 cu.m factor Note: Ground floor level shall be elevated at an elevation the same with adjacent buildings or at the existing CBE building. All fill materials shall be thoroughly compacted before pouring concrete on grade slab.	T-Load	268.000		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
<i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i>				
Foreman				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipmt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
Plate Compactor	1			
Backhoe, 0.80cu.m. 80% efficiency	1			
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST

Unit Price Analysis				
JOB Construction of CBE Building				
PAY ITEMS : Embankment (From Structure Excavation)				
COST ID : 804(1)a				
QTY 720.82 cu.m				
Productivity: cu.m/(hr*worker)				
Number of hours: cu.m/hr				
A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Note: Interior fill shall be mixed gravel & sand All backfill materials shall be mixed with sand & gravel prior to compaction of all backfill Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
Minor Tools (10% of Labor Cost)				
Backhoe, 0.80cu.m. 80% efficiency				
Plate Compactor				
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
1. OCM				
2. Contractor's Profit				
3. 5 % VAT				
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				
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Unit Price Analysis

JOB **Construction of CBE Building**

PAY : Structure Excavation (Common Soil)

ITEMS

COST ID : 803(1)a

Productivity: cu.m/(hr*worker)

QTY **961.10 cu.m**

Number of hours: cu.m/hr

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
F-1 2.4m x 2.4m x 3.05m x 18 sets F-2 2.65m x 2.65m x 3.05m x 16 sets F-3 2.2m x 2.2m x 3.05m x 13 sets TB 0.3m x 0.5m x 48m x 3 sets 0.3m x 0.5m x 12.225m x 8 sets 0.3m x 0.5m x 4m x 11 sets Pipelines 0.3m x 0.4m x 20m Canal 65.0m x 1.0m x 1 set Note: All excavated materials shall be used as fill materials. it shall be properly stocked pile on appropriate area to avoid falling during rainy days Canal shall be located on the front area from existing CBE to Colocol area Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A) -				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman Laborer				
SUB - TOTAL (B) -				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
Minor Tools (10% of Labor Cost) Backhoe, 0.80cu.m. 80% efficiency Plate compactor	1 1 1	LS		

SUB - TOTAL (C)	
TOTAL DIRECT COST (A + B + C)	
ADD: INDIRECT COST	
	1. OCM
	2. Contractor's Profit
	3. 5 % VAT
TOTAL INDIRECT COST	
	TOTAL COST (D + E)
	UNIT COST
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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Removal of Structures and Obstruction
 COST ID : 801(1)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p>Scope:</p> <p>This includes demolition of existing structure (portion of old CMT Building) all salvage materials shall be quantified and turnover to the supply office / supply bodega Shed structure shall be relocated. Coordinate to PPSDS prior relocation Documentation shall be done before, during and after the removal of structure demolition shall only be done after the approval of the end user. All demolition work shall be supervised by the site engineer and safety officer.</p> <p>Refer to Site Development Plan</p>				
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Individual Removal of trees

COST ID : 800(3)a2

Productivity Rate: each/hr

QTY **9.00 each**

Number of hours: hr

A. MATERIALS : COST/UNIT		UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Nylon Rope, 16mm Ø x 200m		roll	1.00		
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff					
Note:					
Trees to cut shall be as directed by the PPSDS Office in coordination to the office concerned with regards to cutting permit. (College of Forestry building or VPPDIS office).					
All cut trees shall be delivered to the area directed by the university official.					
Rope shall be turn over to the PPSDS Infrastructure Section.					
Cut trees shall be sized to 2 1/4" thick and shall be turn over to the university.					
SUB-TOTAL (A)					
B. LABOR COST		QUANTITY		Hourly Rate	Total Cost
		No. Personnel	Total Hours		
Construction Foreman		1			
Skilled		2			
Laborer		4			
SUB - TOTAL (B)					
C. EQUIPMENT COST		QUANTITY		Hourly Rate	Total Cost
		No. of Eqpmt.	Total Hours		
Back Hoe (0.80 cu.m) 80% efficiency		1			
Dump Truck		1			
Chainsaw		1			
SUB - TOTAL (C)					
TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM					
2. Contractor's Profit					
3. 5 % VAT					
TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Clearing & Grubbing
 COST ID : 800(2)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Scope of Work: Clearing of all plants, flowers, ornamental plants, and other brushes in the area. Grubbing shall include removal of all stumps. Roots shall be removed to a depth not less than 0.45m below the subgrade. This work also includes complete removal and disposal of all felled trees, brush, and stump, etc. This including cleaning of the building after completion and before turnover. Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Construction Foreman Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
1. OCM 2. Contractor's Profit 3. 5 % VAT				
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				
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Unit Price Analysis

JOB **Construction of CBE Building**

PAY ITEMS : Geotechnical Exploration

COST ID : B.19

QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p>Scope of Work: Geotechnical Exploration and Soil Testing 3 Holes with report to be submitted to the PPSDS Office</p> <p><i>Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff</i></p>	LS	1.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. of Personnel	Total Hours		
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Eqipt.	Total Hours		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
<p>1. OCM</p> <p>2. Contractor's Profit</p> <p>3. 5 % VAT</p>				
TOTAL INDIRECT COST				
				<hr/>
				TOTAL COST (D + E)
				UNIT COST
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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Recognition Plate/Project Marker
 COST ID : B.16
 QTY **1.00 each**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Acrylic Type Project Marker complete with information & fastener. 30cm x 40cm Stainless Steel Lettering, 16" x 27", Single (COLLEGE OF BUSINESS EDUCATION) Fabrication of concrete moulds for the University logo (Includes painting) Note: Coordinate at the VPPDIS Office for the proper content of the marker.	set	1.00		
	LS	1.00		
	LS	1.00		
Note: Work shall only be done in the presence of the contractor's site engineer and other contractor's technical staff				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
(Labor Cost is Included in the material cost)				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipmt.	Total Hours		
Scaffolding Rental	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
1. OCM 2. Contractor's Profit 3. 5 % VAT				
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				
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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY : Mobilization and Demobilization
 ITEMS
 COST ID : B.9
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Note: All materials and equipment to be delivered inside the campus shall be documented and submit listing at the PPSDS Office. All personnel to be employed on this project shall be free from COVID-19 hence. They are required to submit health certificate and carry construction pass once they enter the university.				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Eqipt.	Total Hours	Rate	Cost
Dump Truck	1			
Backhoe with Breaker (0.80 cu.m)	1			
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM	N/A		
	2. Contractor's Profit	N/A		
	3. 5 % VAT			
TOTAL INDIRECT COST				
				TOTAL COST (D + E)
				UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Occupational Safety and Health Program
 COST ID : B.7(1)
 QTY **10.00 month**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Medical Supplies (i.e. Vitamin, Paracetamol, etc.) Pairs, Rubber Boots Men, Long Steel Toe, Black Pairs, Working Gloves (Maong Materials) Safety Hard Hats, (White, Yellow, Red) Safety Vest, Approved Color Note: All workers shall be provided with the above as they go for work. Workers with no PPE shall not be allowed to do any construction activities. House keeping shall be performed everyday in all working areas. Compliance to this item shall be monitored by the PPSDS Safety Officer.	set pair pair set set	1.00 40.00 40.00 40.00 40.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Safety Officer (Part Time)				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				
TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
				1. OCM 2. Contractor's Profit 3. 5 % VAT
TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Project Billboard/Signboard
 COST ID : B.5
 QTY **6.00 each**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
Tarpaulin, 4' x 8'	pc	2.00		
Safety Signboards, 3' x 4' - Tarpaulin	pc	4.00		
Marine Plywood, 1/4" thick	pc	2.00		
G-Melina, Assorted Size	bd.ft	100.00		
Assorted CW Nails	kg	2.00		
Note: Billboards shall be adopted from the DPWH standard. It shall be installed in a conspicuous space at the frontage of the building. Safety signboard shall be provided in all working areas such as in fabrication, installation, etc.				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly Rate	Total Cost
	No. Personnel	Total Hours		
Foreman				
Carpenter				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly Rate	Total Cost
	No. of Equipt.	Total Hours		
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT
COST

TOTAL COST (D + E)

UNIT COST

Unit Price Analysis

JOB **Construction of CBE Building**
 PAY
 ITEMS : Permit and Clearances
 COST
 ID : B.3
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
<p>This includes payment of professional signatures, Building Permit, Ancillary Permits & Occupancy permit requirements Building permit shall be secured first before commencing any construction activity. Permit Number shall be incorporated in the project billboards. The cost shall be based on Bayombong Engineering Office/Building Official.</p> <p>Note: Building Permit will be processed before the advance payment be released Reproduction of Plans & other documents required for the said permits will be C/O the contractor As-built plan with signature of professional shall be submitted at the infrastructure section in two copies aside from the copies for the occupancy permits, before the approval of the final billing. All payments shall be shouldered by the contractor.</p>	set	1.00		
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
<p>Liason Officer Liason Officer will coordinate to the PPSDS for all documents needed to submit to the building officials for the issuance of building permit and occupancy permit.</p>				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
<p>Minor Tools (10% of Labor Cost)</p>	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM	N/A
2. Contractor's Profit	N/A
3. 5 % VAT	

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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Unit Price Analysis

JOB **Construction of CBE Building**
 PAY ITEMS : Construction of Field Office for the Engineer
 COST ID : A.1.1(3)
 QTY **1.00 LS**

A. MATERIALS : COST/UNIT	UNIT	QUANTITY	UNIT PRICE	TOTAL COST
GI Pipe, 1 1/2"	kg	581.40		
Swivel Clamp	pc	120.00		
Portland Cement	bags	4.00		
Marine Plywood, 3/4" Thick	pc	15.00		
Assorted Lumber, Good Lumber	bd.ft	320.00		
Assorted CW Nail	kg	8.00		
Pre-painted Roofing Sheet, 0.5mm thick, Corrugated Type	Will be Provided by NVSU			
Screened Sand, S-1 (Included in concrete works)				
Note:				
All above materials shall be considered as property of the university. It shall be turn over to the supply office after completion of the project. Dimension of Field Office shall be 4.0m x 6.0m Other Fixtures that are essential to the field office shall be provided by the contractor Field Office shall be construction on areas accessible to everyone or adjacent to the bunkhouse It should be compliance with Covid-19 Safety protocols and other requirements in accordance with COSH				
SUB-TOTAL (A)				
B. LABOR COST	QUANTITY		Hourly	Total
	No. Personnel	Total Hours	Rate	Cost
Foreman				
Carpenter				
Laborer				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QUANTITY		Hourly	Total
	No. of Equipt.	Total Hours	Rate	Cost
Minor Tools (10% of Labor Cost)	1	LS		
SUB - TOTAL (C)				

TOTAL DIRECT COST (A + B + C)

ADD: INDIRECT COST

1. OCM
2. Contractor's Profit
3. 5 % VAT

TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

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CONTRACTOR'S HEADING

SUMMARY SHEET

Description of Materials	Unit of measurement	Unit Price
GI Pipe, 1 1/2"	kg	
Swivel Clamp	pc	
Portland Cement	bags	
Marine Plywood, 3/4" Thick	pc	
Assorted Lumber, Good Lumber	bd.ft	
Assorted CW Nail	kg	
Tarpaulin, 4' x 8'	pc	
Safety Signboards, 3' x 4' - Tarpaulin	pc	
Marine Plywood, 1/4" thick	pc	
G-Melina, Assorted Size	bd.ft	
Medical Supplies (i.e. Vitamin, Paracetamol, etc.)	set	
Pairs, Rubber Boots Men, Long Steel Toe, Black	pair	
Pairs, Working Gloves (Maong Materials)	pair	
Safety Hard Hats, (White, Yellow, Red)	set	
Safety Vest, Approved Color	set	
Acrylic Type Project Marker complete with information & fastener 30cm x 40cm	set	
Stainless Steel Lettering, 16" x 27", Single	LS	
Nylon Rope, 16mm Ø 200m	roll	
Mixed Gravel & Sand or approved materials	T.load	
Gravel Materials, Max. 50mm - Washed	cu.m	
Portland Cement	bags	
Screened & Washed Sand, S-1	cu.m	
Screened & Washed Gravel, G-1	cu.m	
Reinforcing Steel Bars	kg	
Tie Wire #16	kg	
16mm Ø x 6.0m Plain Round Bar	kg	
Welding Rod, E6013 (5kg/box)	box	
Phenolic Board, 0.019m x 1.22m x 2.44m	pcs	
Good Lumber, Assorted	bd.ft	
CW Nail, Assorted, 25kg / box	box	
Portable Circular Saw, Bosc	set	
Termite Control (Hometrek)	liter	
5" CHB	pcs	
10mm Ø RSB	kg	
4" dia. uPVC Pipe S1000 (atlanta)	pc	

4" x dia. uPVC CO with plug S1000 (atlanta)	pc	
4" dia. uPVC Elbow S1000 (atlanta)	pc	
4" x 2" dia. uPVC Tee reducer S1000 (atlanta)	pc	
4" dia. uPVC Bend with plug S1000 (atlanta)	pc	
4" dia. uPVC Wye S1000 (atlanta)	pc	
4" dia. uPVC Socket S1000 (atlanta)	pc	
4" x 2" dia. uPVC Wye Reducer S1000 (atlanta)	pc	
4" dia. uPVC Tee S1000 (atlanta)	pc	
2" dia. uPVC Pipe S1000 (atlanta)	pc	
2" dia. uPVC CO with plug S1000(atlanta)	pc	
2" dia. uPVC Elbow S1000 (atlanta)	pc	
2: dia. uPVC Tee S1000 (atlanta)	pc	
2" dia. uPVC Bend with plug S1000 (atlanta)	pc	
2" dia. uPVC Wye S1000 (atlanta)	pc	
2" dia. uPVC P-trap with plug & seal S1000 (atlanta)	pc	
2" dia. uPVC socket S1000 (atlanta)	pc	
uPVC solvent	can	
4" Ø uPVC Pipe S1000	pcs	
uPVC Solvent Cement, 400cc	can	
3mm x 38mm Flat Bar Clamp Holder w/ nuts & bolts	set	
4" Ø uPVC Cleanout w/ plug S1000	pcs	
4" Ø uPVC Tee S1000	pcs	
4" Ø uPVC Bend	pcs	
32mm Ø PPR Pipe (from tapping point to bldg)	pcs	
25mm Ø PPR Pipe	pcs	
20mm Ø PPR Pipe	pcs	
PPR Gate Valve, 32mm Ø	pcs	
PPR Gate Valve, 25mm Ø	pcs	
Tee Reducer, 32mm x 25mm Ø	pcs	
Tee Reducer, 25mm x 20mm Ø	pcs	
Elbow Reducer, 32mm x 25mm Ø	pcs	
End Cap, 32mm Ø	pcs	
End Cap, 25mm Ø	pcs	
End Cap, 20mm Ø	pcs	
Coupling, 32mm Ø	pcs	
Coupling Reducer	pcs	
PPR Tee Adapter, 20mm Ø	pcs	
Elbow Adapter, 20mm Ø	pcs	
Fusion machine, Complete set (20,25,32mm Ø)	pcs	
uPVC Pipe Cutter, Tolsen	pcs	

Closed Coupled Water Closet, CS6815N - Titan	set	
Lavatory w/ short pedestal - (titan complete acc.)	set	
Urinals, Kohoutek - U28 Hcg (complete w/ flush valve)	set	
Hand Bidet (1x hand held bathroom toilet) - (ABS Bath Bidet Diaper Shower Head Sprayer)	set	
Faucets, Cuff single handle wall-mount kit. (faucet - kohler)	set	
Stainless Grab Handrail - Concealed mount	set	
Stainless Steel Floor Drain D-87	set	
Angle Valve, 1/2" ϕ - WC	set	
Water Meter, Great Volume - 32mm ϕ	set	
Hose Bibb	set	
Flexible House Brass, 1/2" ϕ POZZI JY-5	set	
Soap Holder, BA 31-Titan	set	
Paper Holder, BA 38-Titan	set	
Cement Fiber Board, 1/4" thick x 4' x 8'	pcs	
Metal furring, 0.8mm x 12mm x 50mm x 5m	pcs	
Primary Channel, 0.8mm x 12mm x 38mm x 5m	pcs	
W-Clip, 10 pc/set	set	
C-Purlins, 1.5mm x 50mm x 100mm x 6m	pcs	
Wall Angle, 0.8mm x 38mm x 38mm x 5m	pcs	
Colonial Casing, 1" x 2" x 10'	pcs	
Tox Screw	pcs	
Blind Rivet, 1/8" x 3/4" - 1000pc/box	box	
Furnishing & Installation of Modular Toilet Partition: 13mm thick Solid Plastic Laminated	sq.m	
Cubicle Partition complete with stainless chrome accessories, indicator, hinges bracket, head rail		
,adjustable footleg, etc. Including Doors w/ complete accessories.		
Urinal Divider - Solid Laminated Panel complete with bracket and other accessories.	sq.m	
Security Padlock (Abloy PL320/20 High Security Padlock)	set	
Sliding Aluminum Glass Door w/ 1/4" thick clear glass on 1 3/4" x 4" aluminum frame complete acc.	sq.m	
W-1 (PVC Sliding Window w/ Window Grills)	sq.m	
W-1a (PVC Awning Window w/ Fixed Part)	sq.m	
W-2 (PVC Sliding Window w/ Fixed Part)	sq.m	
W-3 (PVC Awning Window)	sq.m	
W4 (Aluminum Framed Fixed Window w/ Fixed Part)	sq.m	
W5 (Aluminum Framed Awning Window)	sq.m	
W6 (Aluminum Framed Awning Window w/ Fixed Parts and Outer Tubular Frame)	sq.m	
W7 (Aluminum Framed Awning window w/ Fixed Parts and Outer Tubular Frame)	sq.m	

W8 (Aluminum Framed Awning Window w/ Fixed Parts and Outer Tubular Frame	sq.m	
2" x 4" x 1.5mm x6m Tubular GI	kg	
Wooden Panel Door Including Frame, Door Knob and accessories	sq.m	
Roll-up Door with Standard Blades, Frame & Lockset & Accessories	set	
Heavy Duty Padlock with 3 keys	set	
Prepainted Side/End Flashing, 0.5mm thick	pcs	
Blind Rivet, 1/8" x 1" - 500pc/box	box	
Prepainted Metal Sheet, Double Rib Type 0.5mm thick	sq.m	
Tekscrew #12/65 (500 pc/box)	box	
Toks w/ Screw as per sample	pcs	
Aluminum Blind Rivet, 1/8" x 1/2"	box	
Waterproofing Liquid (Boysen Plexibond #7760)	gal	
60cm x 60cm Glazed Ceramic Tiles (Rooms)	pcs	
30cm x 30cm Glazed Ceramic Tiles (CR & Lav)	pcs	
Tile Adhesive	bags	
Tile Grout, Approved Color	pack	
Fine & Washed Sand	cu.m	
8ft - Anti-Slip Aluminum Stair Nosing for stairs	pcs	
Skim Coat - 20kg, 1 pail	Pail	
Flat Latex Paint	Pail	
Masonry putty	gal	
Semi-gloss Latex Paint, White	Pail	
Semi-gloss Latex Paint, Ready Mix (Approved Color)	Pail	
Tinting Color, Assorted	liter	
Paint Roller, 7" w/ handle	set	
Paint Brush, 4" w/ handle	set	
Paint Brush, 4"	pc	
Paint Brush, 3"	pc	
Paint Brush, 2"	pc	
Flat Wall Enamel	Pail	
QDE, Approved Color	gal	
Epoxy Metal Primer, Gray	gal	
QDE Paint, Approved Color	gal	
Easy Tite Body Filler	gal	
Reflective Insulation (Double Bubble Double Sided One Meter wide , 1 cm thick)	ln.m	
Wiremesh Screen, 4ft x 25m (as per sample)	roll	
Angular Bar, 6mm x 50mm x 50mm	kg	
Base Plate, 10mm x 125mm x 250mm	kg	
Welding Rod, E6013 (5kg/box)	box	

Epoxy Metal Primer, Gray	gal	
Paint Thinner	gal	
Welding Machine inverter type	set	
Cut off machine	set	
LC section, 1.5mm thick x 50mm x 100mm	kg	
2" x 4" x 1.5mm x 6.0m Tubular	pcs	
1" x 2" x 1.5mm x 6.0m Tubular	pcs	
1" x 1" x 1.5mm x 6.0m Tubular	pcs	
1 1/2" Ø GI Pipe Schedule 40	pcs	
1 1/2" Ø Stainless Steel Pipe, Schedule 40	pcs	
20mmØ uPVC Thick Wall	pc	
50mmØ uPVC Thick Wall	pc	
100mmØ uPVC Thick Wall	pc	
50mmØ uPVC Long Elbow	pc	
100mmØ uPVC Long Elbow	pc	
20mmØ uPVC Male Threaded Adaptor	pc	
50mmØ uPVC Male Threaded Adaptor	pc	
100mmØ uPVC Male Threaded Adaptor	pc	
20mmØ uPVC Lock Nut	pc	
50mmØ uPVC Lock Nut	pc	
100mmØ uPVC Lock Nut	pc	
20mmØ uPVC Connector	pc	
50mmØ uPVC Connector	pc	
100mmØ uPVC Connector	pc	
100mmØ Entrance Cap w/ adaptor	pc	
Junction Box w/ cover & screw	pc	
2 x 4 Utility Box	pc	
400 ml PVC Solvent	can	
Butane gas (270 ml)	can	
Blow torch (for butane gas)	pcs	
2.0mm ² THHN Cu. Wire	ln.m	
3.5mm ² THHN Cu. Wire	ln.m	
2.0mm ² THWN Cu. Wire	ln.m	
5.5mm ² THHN Cu. Wire	ln.m	
3.5mm ² THWN Cu. Wire	ln.m	
14mm ² THHN Cu. Wire	ln.m	
5.5mm ² THWN Cu. Wire	ln.m	
50mm ² THHN Cu. Wire	ln.m	
14mm ² THWN Cu. Wire	ln.m	
150mm ² THWN Cu. Wire	ln.m	

30mm ² THWN Cu. Wire	ln.m	
80mm ² ACSR, Polyethylene Insulated	ln.m	
1-gang, switch wide series	set	
2-gang, switch wide series	set	
3-gang, switch wide series	set	
Special outlet	set	
Air-conditioning outlet	set	
2 Gang Universal Outlet w/ ground	set	
Rubber Tape	roll	
Electric Tape (Big)	roll	
Copper Coated Ground Rod 5/8 x 10	pc	
Ground Clamp 5/8	pc	
Solderless Connector	pc	
Secondary Rack w/ spoon insulator w/ complete accessories	set	
10 branches panel board, 2P, Center Main Bolt-on main and branches w/ copper hot and ground busbars	set	
6 branches Panel board, 3P, Center Main Bolt-on main and branches w/ copper hot and and ground busbars	set	
4 branches Panel board, MDP, 3P, Center Main Bolt-on main and branches w/ copper hot and ground busbars	set	
15AT Circuit Breaker, 2Pole	pc	
20AT Circuit Breaker, 2Pole	pc	
30AT Circuit Breaker, 2Pole	pc	
50AT Circuit Breaker, 2Pole	pc	
125AT Circuit Breaker, 3Pole	pc	
250AT Circuit Breaker, 3Pole	pc	
20 Watts LED T8 Tube & Box Type Set	pc	
Louver, Aluminum reflector for 20W LED T8 Tube	pc	
12 Watts LED Bulb, Daylight for CR	pc	
14 Watts LED Bulb, Daylight for Hallway & Room	pc	
E27 Ceiling Receptacle 4 1/4", Porcelain	pc	
Wall mounted exhaust fan, 12"	set	
Orbit Fan, 18"	set	
2HP Air Conditioning Unit, Split type, inverter capacity 19000kJ/Hw Power Consumption	set	
(Cooling,W) 1520W, full installation including condensate drain system and refrigerant piping		

CONTRACTOR'S HEADING

Manpower Rental Rates	Unit	Unit Price
Foreman	hr	
Leadman (REE/RME)	hr	
Liason Officer	hr	
Safety Officer (Part Time)	hr	
Carpenter	hr	
Skilled	hr	
Skilled Plumber	hr	
Welder	hr	
Electrician (Skilled)	hr	
Laborer	hr	
Equipment Rental Rates	Unit	Unit Price
One Bagger Mixer	hr	
Bar Bender	hr	
Bar Cutter	hr	
Power Sprayer	hr	
Plate Compactor	hr	
Backhoe, 0.80cu.m 80% efficiency	hr	
Dump Truck	hr	
Chainsaw	hr	
Scaffolding Rental	LS	
Minor Tools (Concrete Vibrator)	LS	

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

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

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

Financial Documents

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

Class "B" Documents

- (n) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence;
or
duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

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

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

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Performance Securing Declaration (Revised)

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

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]

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 guidelines² 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.

² 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]

CONTRACT AGREEMENT

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, viz.:
 - a. Philippine Bidding Documents (PBDs);
 - i. Drawings/Plans;
 - ii. Specifications;
 - iii. Bill of Quantities;
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
 - b. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

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

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

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

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

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

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

Bid Securing Declaration Form

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

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

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

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

I/We, the undersigned, declare that:

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

