

PHILIPPINE BIDDING DOCUMENTS
(As Harmonized with Development Partners)

**Procurement of
INFRASTRUCTURE
PROJECTS**

Government of the Republic of the Philippines

***Project 2021-06: CONSTRUCTION OF
MECHANICAL ENGINEERING LABORATORY
BUILDING AND FACILITIES
FOR BAMBANG CAMPUS***

**Sixth Edition
July 2020**

Preface

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

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

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

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

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

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

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

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

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

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

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

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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



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

INVITATION TO BID
***2021-06: Construction of Mechanical Engineering
Laboratory Building and Facilities
for Bambang Campus***

1. The *Nueva Vizcaya State University*, through the *General Fund (F101)* intends to apply the sum of *Php19,486,093.90* being the Approved Budget for the Contract (ABC) to payments under the contract for *2021-06: Construction of Mechanical Engineering Laboratory Building and Facilities for Bambang Campus*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Nueva Vizcaya State University* now invites bids for the above Procurement Project. Completion of the Works is required *300 calendar days*. Bidders should have completed within two (02) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *Nueva Vizcaya State University* and inspect the Bidding Documents at the address given below from *Mondays to Fridays, 8:00AM to 5:00PM*.
5. A complete set of Bidding Documents may be acquired by interested bidders starting on December 23, 2020 from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Php25,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *through electronic means*.
6. The *NVSU* will hold a Pre-Bid Conference¹ on *January 4, 2021 @ 9:00am* at the *Board Room, 3/F New Administration Building, NVSU Bayombong, Campus* and through videoconferencing/webcasting *via Zoom*, which shall be open to prospective bidders. To reduce the risks and hazards of community transmission of COVID-19, the BAC shall conduct meetings and conferences via **ZOOM (Meeting ID: 459 146 9541, Password: nvsu2020)** until further notice, or until such time that the state of calamity,

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.

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 courier submission at the office address indicated below on or before January 15, 2021 at 5:00pm. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. Bid opening shall be on *January 18, 2021 at 9:00am at the given address and via Zoom*. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *Submission of Bid Envelopes by the bidder's representative must be accompanied by an authorization through a Special Power of Attorney (SPA):*

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

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

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

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

UBAC Secretariat UBAC Secretariat

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

13. You may visit the website:

For downloading of Bidding Documents: www.nvsu.edu.ph on December 23, 2020.

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 Mechanical Engineering Laboratory Building and Facilities for Bambang Campus*, with Project Identification Number *Project 2021-06*.

[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 *Php19,486,093.90*.

2.2. The source of funding is:

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

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

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

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

3. Bidding Requirements

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

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

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the work; (b) climatic conditions;

(c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

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

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

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.

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

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

5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

[*Select one, delete other/s*]

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

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

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

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

8. Pre-Bid Conference

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

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.

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

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

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

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA

and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

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

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

[Select one, delete other/s]

a. Philippine Pesos.

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

15. Bid Security

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

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

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

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

- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 16 shall be submitted for each contract (lot) separately.

- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

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

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

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

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

Bid Data Sheet

ITB Clause	
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>2021-06: Construction of Mechanical Engineering Laboratory Building and Facilities for Bambang 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: <u>Key Personnel</u> <u>General Experience</u> <u>Relevant Experience</u>
10.5	The minimum major equipment requirements are the following: <u>Equipment</u> <u>Capacity</u> <u>Number of Units</u>
12	<i>[Insert Value Engineering clause if allowed.]</i>
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than <u>Php389,721.88</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>Php974,304.70</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.

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

1. Scope of Contract

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

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

2. Sectional Completion of Works

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

3. Possession of Site

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

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

4. The Contractor's Obligations

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

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

5. Performance Security

- 5.1. Within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in no case later than the signing of the contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

Subject to the guidelines on Variation Order in Annex “E” of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor’s Bid shall be used for small additional amounts of work only when the Procuring Entity’s Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

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

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

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

GCC Clause	
2	<i>[If different dates are specified for completion of the Works by section, i.e. “sectional completion,” these dates should be listed here.]</i>
4.1	<i>[Specify the schedule of delivery of the possession of the site to the Contractor, whether full or in part.]</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
10	Dayworks are applicable at the rate shown in the Contractor’s original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <u>Php2,922,914.09</u> <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> .
	The date by which “as built” drawings are required is <i>[date]</i> .
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .

Section VI. Specifications

Notes on Specifications

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

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

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

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

Sample Clause: Equivalency of Standards and Codes

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

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

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

Section VI. Specifications

ITEM NO	ITEM OF WORK	QUANTITY	UNIT
800(2)	Clearing and Grubbing	all	l.s.
801(1)	Removal of Structures & Obstruction	all	ls
803(1) a	Structure Excavation (Common Soil)	396.70	cu.m
804(1)a	Embankment (Backfilling) Including Compaction	472.69	cu.m
900(1)c1	Structural Concrete(Concrete Gutter, Shearwall, Canopy, Ramp,Stair),CLASS"A",28days	88.07	cu.m
900(1)c2	Structural Concrete(Footing, Slab on Fill),CLASS "A",28 days	165.42	cu.m
900(1)c3	Structural Concrete(Footing Tie Beams),CLASS "A",28 days	22.14	cu.m
900(1)c4	Structural Concrete(Columns),Class A, 28 days	104.77	cu.m
900(1)c5	Structural Concrete(Suspended Slab),Class A, 28 days	99.84	cu.m
900(1)c6	Structural Concrete(Beams, Girders, Cantilever Beams),Class A, 28 days	78.68	cu.m
902(1)a	Reinforcing Steel (Deformed, Grade 40)	70,284.93	kg
903(2)	Formworks and Falseworks (Columns, Beams, Slab, Canopy & Gutter,Stair)	2,605.72	sq.m
1000(1)	Soil Poisoning	6.00	lit
1001(8)	Sewer Line Works	all	ls
1001 (9)	Storm Drainage and Downspout	all	ls
1001 (11)	Septic Vault (Concrete/CHB)	all	ls
1002(4)	Plumbing Fixtures	all	ls
1002(24)	Cold Water Lines	all	ls
1003(1)a1	Ceiling, Metal Frame, Fiber Cement Board	332.00	sq.m
1004(4)2	Finishing Hardware	all	ls
1005 (1)	Residential Casement (Steel)	109.50	sq.m
1005(4)	Awning Ventilator	9.60	sq.m
1010 (1)	Frame (Wooden Jambs)	115.00	ln.m
1010(2)a	Doors (Flush Type)	11.59	sq.m
1010(2)b	Doors (Wood Panel)	46.20	sq.m
1011 (1)a	Roll-up Door	9.00	set
1013 (2) a1	Fabricated Metal Roofing Accessory (ridge roll	42.75	lm
1013 (2) b3	Fabricated Metal Roofing Accessory (Valley roll)	2.83	lm
1014 (1) b2	Pre-painted Metal Sheets, Rib Type, Long Span,	375.00	sq.m
1016(1)a	Waterproofing (Cement Base)	72.50	sq.m
1018(1)	Glazed Tiles and Trims	149.54	sq.m
1018(2)	Unglazed Tiles	65.00	sq.m
1021(1)a	Cement Floor Finish (Plain)	1,030.00	sq.m

1027(1)	Cement Plaster Finish	4,026.24	sq.m
1032(1)b	Painting Works(Wood) (Jambs)	30.00	sq.m.
1032(1)c	Painting Works(Steel)	258.50	sq.m
1046(2)a1	CHB Non-Load Bearing(incl. RSB) 100mm	182.33	sq.m
1046(2)a2	CHB Non-Load Bearing(incl. RSB) 150mm	615.57	sq.m
1047(1)	Structural Steel (Fire Exit Ladder)	all	ls
1047(8)	Structural Steel (Roof Framing)	all	ls
1051(5)	Railings	all	ls
1100(10)	Conduits, Boxes and Fittings	all	ls
1101(33)	Wires and Wiring Devices	all	l.s.
1102(1)	Panel Board with Main and Branch Breakers	all	l.s.
1103(1)	Lighting Fixtures and Lamps	all	l.s.
1200(14)	Ventilating Equipment	all	ls
B.1	Offices, Shops and Workmens Accommodation for the Contractor	all	ls
B.3	Permits and Clearances	all	ls
B.4(1)	Construction Survery and Staking	all	l.s.
B.5	Project Billboard/Signboard	2.00	each
B.7(2)	Occupational safety and health	all	l.s.

Section VII. Drawings

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

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

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

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

Signature Box

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

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

Bill of Quantities

Name of Project : **2021-06: Construction of Mechanical Engineering Laboratory Building and Facilities for Bambang Campus.**
 Location : NVSU Bambang, 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 : Php19,486,093.90

BILL OF QUANTITIES					
LOCATION OF PROJECT: NVSU - Bambang Campus					
SOURCE OF FUND: GENERAL FUND					
CALENDAR DAYS TO COMPLETE: 300CD					
PROJECT DESCRIPTION:			EQUIPMENT TO BE USED:		
Construction of Mechanical Engineering Laboratory Building and Facilities			Bar Cutter/Bender Concrete Mixer, Concrete Vibrator, Welding Machine, Grinding/Cutter Portable, Dumptruck		
ITEM NO	ITEM OF WORK	QUANTITY	UNIT	UNIT COST	TOTAL COST
800(2)	Clearing and Grubbing	all	l.s.		
801(1)	Removal of Structures & Obstruction	all	ls		
803(1) a	Structure Excavation (Common Soil)	396.70	cu.m		
804(1)a	Embankment (Backfilling) Including Compaction	472.69	cu.m		
900(1)c1	Structural Concrete(Concrete Gutter, Shearwall, Canopy, Ramp,Stair),CLASS"A",28days	88.07	cu.m		
900(1)c2	Structural Concrete(Footing, Slab on Fill),CLASS "A",28 days	165.42	cu.m		
900(1)c3	Structural Concrete(Footing Tie Beams),CLASS "A",28 days	22.14	cu.m		
900(1)c4	Structural Concrete(Columns),Class A, 28 days	104.77	cu.m		
900(1)c5	Structural Concrete(Suspended Slab),Class A, 28 days	99.84	cu.m		
900(1)c6	Structural Concrete(Beams, Girders, Cantilever Beams),Class A, 28 days	78.68	cu.m		
902(1)a	Reinforcing Steel (Deformed, Grade 40)	70,284.93	kg		
903(2)	Formworks and Falseworks (Columns, Beams, Slab, Canopy & Gutter,Stair)	2,605.72	sq.m		
1000(1)	Soil Poisoning	6.00	lit		

1001(8)	Sewer Line Works	all	ls		
1001 (9)	Storm Drainage and Downspout	all	ls		
1001 (11)	Septic Vault (Concrete/CHB)	all	ls		
1002(4)	Plumbing Fixtures	all	ls		
1002(24)	Cold Water Lines	all	ls		
1003(1)a1	Ceiling, Metal Frame, Fiber Cement Board	332.00	sq.m		
1004(4)2	Finishing Hardware	all	ls		
1005 (1)	Residential Casement (Steel)	109.50	sq.m		
1005(4)	Awning Ventilator	9.60	sq.m		
1010 (1)	Frame (Wooden Jambs)	115.00	ln.m		
1010(2)a	Doors (Flush Type)	11.59	sq.m		
1010(2)b	Doors (Wood Panel)	46.20	sq.m		
1011 (1)a	Roll-up Door	9.00	set		
1013 (2) a1	Fabricated Metal Roofing Accessory (ridge roll)	42.75	lm		
1013 (2) b3	Fabricated Metal Roofing Accessory (Valley roll)	2.83	lm		
1014 (1) b2	Pre-painted Metal Sheets, Rib Type, Long Span,	375.00	sq.m		
1016(1)a	Waterproofing (Cement Base)	72.50	sq.m		
1018(1)	Glazed Tiles and Trims	149.54	sq.m		
1018(2)	Unglazed Tiles	65.00	sq.m		
1021(1)a	Cement Floor Finish (Plain)	1,030.00	sq.m		
1027(1)	Cement Plaster Finish	4,026.24	sq.m		
1032(1)b	Painting Works(Wood) (Jambs)	30.00	sq.m.		
1032(1)c	Painting Works(Steel)	258.50	sq.m		
1046(2)a1	CHB Non-Load Bearing(incl. RSB) 100mm	182.33	sq.m		
1046(2)a2	CHB Non-Load Bearing(incl. RSB) 150mm	615.57	sq.m		
1047(1)	Structural Steel (Fire Exit Ladder)	all	ls		
1047(8)	Structural Steel (Roof Framing)	all	ls		
1051(5)	Railings	all	ls		
1100(10)	Conduits, Boxes and Fittings	all	ls		
1101(33)	Wires and Wiring Devices	all	l.s.		
1102(1)	Panel Board with Main and Branch Breakers	all	l.s.		
1103(1)	Lighting Fixtures and Lamps	all	l.s.		
1200(14)	Ventilating Equipment	all	ls		
B.1	Offices, Shops and Workmens Accommodation for the Contractor	all	ls		
B.3	Permits and Clearances	all	ls		
B.4(1)	Construction Survery and Staking	all	l.s.		
B.5	Project Billboard/Signboard	2.00	each		
B.7(2)	Occupational safety and health	all	l.s.		

Engineering Services	
GRAND TOTAL PROJECT COST	

Prepared By:

Civil Engineer

PRC No.: _____

PTR No.: _____

Submitted by:

General Manager/Authorized Representatives

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 800(2) Quantity: all
 Description: Clearing and Grubbing Unit: l.s.
 Production Output:
 No. of days:

A. Designation of Personnel					No. of Men	No. of Days	Daily Rate	Total Cost (Php)
1. Foreman					1.0			
2. Unskilled					10.0			
A. SUB-TOTAL (LABOR)								
B. Name and Capacity of Equipment					No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)								
C. Name and Description					Quantity	Unit	Unit Cost	Total Cost (Php)
C. SUB-TOTAL (MATERIAL)								
SUMMARY:								
A.	Labor							
B.	Equipment							
C.	Materials							
D.	TOTAL DIRECT COST							
	DIRECT UNIT COST							
E.	OCM				of Direct Cost			
F.	Profit				of Direct Cost			
G.	VAT				of (Direct Cost + OCM + Profit)			
H.	Total Cost				(D+E+F+G)			
I.	Unit Cost				H/ Quantity			

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities					
Location: NVSU Bambang, Nueva Vizcaya					
Item No: 801(1)			Quantity: all		
Description: Removal of Structures & Obstruction			Unit: ls		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
a. Removal of Structures & Obstructions					
	1. Foreman	1.00			
	2. Skilled	3.00			
	3. Unskilled	7.00			
b. Hauling of Debris, Unwanted materials, and Excess Soil					
	1. Driver	1.00			
	2. Unskilled	4.00			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Grinder	1.00			
	2. Portable Jack Hammer	1.00			
	3. Dump Truck	1.00			
	4. Backhoe (0.8 cu.m)	1.00			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Cutting Disk	4.00	Pcs.		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 803(1) a Quantity: 396.70 Description: Structure Excavation (Common Soil) Unit: cu.m Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Construction Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM	of Direct Cost			
F.	Profit	of Direct Cost			
G.	VAT	of (Direct Cost + OCM + Profit)			
H.	Total Cost	(D+E+F+G)			
I.	Unit Cost	H/ Quantity			

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 804(1)a Quantity: 472.69
 Description: Embankment (Backfilling) Including Compaction Unit: cu.m
 Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
a.	Backfilling				
	1. Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
b.	Compaction				
	1. Unskilled	8.0			
	<i>Note: Compaction will be done at every 0.3 layer</i>				

A. SUB-TOTAL (LABOR)

B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
1.	Plate Compactor, Gas Engine 400-500	1.0			
B. SUB-TOTAL (EQUIPMENT)					

C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. (From Structure Excavation)				
	2. Mixed Gravel and Sand (Gravel Bedding)	25.00	cu.m		
	3. From Borrow	105.00	cu.m		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:

A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		

E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 900(1)c1 Quantity: 88.07 Description: Structural Concrete(Concrete Gutter, Shearwall, Canopy, Ramp,Stair),CLASS"A",28days Unit: cu.m Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
a.	Concrete Pouring				
	1. Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
b.	Installation/Removal of Forms				
	1. Skilled	2.0			
	2. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. One Bagger Mixer	1.0			
	2. Concrete Vibrator	1.0			
	3. Scaffolding Sets	20.0			
	4. Porta Lift	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Portland Cement	369.0	bags		
	2. Sand (S1)	21.0	cu.m.		
	3. Gravel (G 3/4)	32.0	cu.m.		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				-
B.	Equipment				
C.	Materials				

D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 900(1)c3 Quantity: 22.14 Description: Structural Concrete (Footing Tie Beams), CLASS "A", 28 days Unit: cu.m Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
a. Concrete Pouring					
	1. Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
b. Installation/Removal of Forms					
	1. Skilled	2.0			
	2. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. One Bagger Mixer	1.0			
	2. Concrete Vibrator	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Portland Cement	211.00	bags		
	2. Sand	13.00	cu.m.		
	3. Gravel	19.00	cu.m.		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				

	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

SUMMARY:			
A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 900(1)c6 Quantity: 78.68
 Description: Structural Concrete(Beams, Girders, Cantilever Beams),Class A, 28 days Unit: cu.m

Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
a.	Concrete Pouring				
	1. Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
b.	Installation/Removal of Forms				
	1. Skilled	2.0			
	2. Unskilled	4.0			

A. SUB-TOTAL (LABOR)

B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. One Bagger Mixer	1.0			
	2. Concrete Vibrator	1.0			
	3. Scaffoldings (Sets)	15.0			
	4. Porta Lift	1.0			

B. SUB-TOTAL (EQUIPMENT)

C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Portland Cement	748.0	cu.m.		
	2. Sand (S1)	40.0	cu.m.		
	3. Gravel (G 3/4)	61.0	cu.m.		

C. SUB-TOTAL (MATERIAL)

SUMMARY:

A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		

E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS							
Project: Construction of Mechanical Engineering Laboratory Building and Facilities							
Location: NVSU Bambang, Nueva Vizcaya							
Item No: 902(1)a			Quantity: 70,284.93				
Description: Reinforcing Steel (Deformed, Grade 40)			Unit: kg				
Production Output:							
No. of days:							
A.	Designation of Personnel		No. of Men	No. of Days	Daily Rate	Total Cost (Php)	
	1. Foreman		1.0				
	2. Unskilled		7.0				
	3. Unskilled		13.0				
A. SUB-TOTAL (LABOR)							
B.	Name and Capacity of Equipment		No. of Units	No. of Days	Daily Rate	Total Cost (Php)	
	1. Bar Bender (25mm)		1.0				
	2. Bar Cutter (25mm)		1.0				
	3. Scaffolding Sets		20.0				
B. SUB-TOTAL (EQUIPMENT)							
C.	Name and Description			Quantity	Unit	Unit Cost	Total Cost (Php)
	1.	10mmØ RSB x 6m	2787 pcs.	10,300.75	kg		
	2.	10mmØ RSB x 7.5m	1152 pcs.	5,322.24	kg		
	3.	12mmØ RSB x 6m	1746 pcs.	9,302.69	kg		
	4.	12mmØ RSB x 7.5m	703 pcs.	4,681.98	kg		
	5.	16mmØ RSB x6m	285 pcs.	2,700.09	kg		
	6.	16mmØ RSB x7.5m	413 pcs.	4,890.95	kg		
	7.	20mmØ RSB x6m	680 pcs.	10,061.28	kg		
	8.	20mmØ RSB x7.5m	771 pcs.	14,259.65	kg		
	9.	25mmØ RSB x6m	116 pcs.	2,682.38	kg		
	10.	25mmØ RSB x7.5m	46 pcs.	1,329.63	kg		
	11.	25mmØ RSB x9m	101 pcs.	3,503.29	kg		
	12.	G.I. Tie Wire #16		1,250.00	kg		
C. SUB-TOTAL (MATERIAL)							
SUMMARY:							
A.	Labor						
B.	Equipment						
C.	Materials						
D.	TOTAL DIRECT COST						
	DIRECT UNIT COST						
E.	OCM			of Direct Cost			
F.	Profit			of Direct Cost			
G.	VAT			of (Direct Cost + OCM + Profit)			
H.	Total Cost			(D+E+F+G)			
I.	Unit Cost			H/ Quantity			

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 903(2) Quantity: 2,605.72
 Description: Formworks and Falseworks (Columns, Beams, Slab, Canopy & Gutter, Stair) Unit: sq.m
 Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1.Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. 13mm x 1.2m x 2.4m Phenolic Board(4uses)	305.0	pcs.		
	2. Good Lumber(4 uses) - 2"x2"	8173.0	bd.ft.		
	3. Asstd. CW Nails	75.3	kg.		
	4. Drip mold 12mm X 25mm X 3.6m	75.0	pcs.		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 1000(1) Quantity: 6.00
 Description: Soil Poisoning Unit: lit
 Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1.Skilled	1.0			
	2.Unskilled	2.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	Soil Poison	4.00	lit.		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities					
Location: NVSU Bambang, Nueva Vizcaya					
Item No: 1001 (9)			Quantity: all		
Description: Storm Drainage and Downspout			Unit: ls		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	Minor Tools(10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Downspout PVC Moldex 75 x 3.0m Sch. 40	77.0	pcs.		
	2. PVC Elbow 75mm x 90°	75.0	pcs.		
	3. PVC Solvent Cement	8.0	lit.		
	4. Flat Bar Stap 4mm x 25 x 300mm	174.0	pcs.		
	5. Lowdome roof drain x 100mm dia	26.00	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1001(8)	Quantity:	all		
Description:	Sewer Line Works	Unit:	ls		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. PVC Pipe 110mmø x 3.0 series 1000	18.0	pcs		
	PVC Pipe 63mmø x 3.0 series 1000	19.0	pcs		
	PVC Pipe 90mmø x 3.0 series 1000	6.0	pcs		
	2. PVC Wye 110mmø x 110mmø	9.0	pcs		
	PVC Wye 110mmø x 63mmø	11.0	pcs		
	PVC Wye 90mmø x 63mmø	4.0	pcs		
	PVC Wye 110mmø x 90mmø	4.0	pcs		
	3. PVC Elbow 110mmø x 90°	2.0	pcs		
	PVC Elbow 63mmø x 90°	18.0	pcs		
	4. PVC Cleanout w/ plug 110mmø	9.0	pcs		
	5. PVC Tee 110mmø x 110mmø	2.0	pcs		
	PVC Tee 110mmø x 63mmø	6.0	pcs		
	PVC Tee 63mmø x 63mmø	5.0	pcs		
	6. PVC P-Trap 63mmø	11.0	pcs		
	7. PVC Reducer 110mmø x 63mmø	1.0	pcs		
	8. Solvent Cement 400cc	5.0	can		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				

B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya

Item No: 1003 (1)a1
 Description: Ceiling, Metal Frame, Fiber Cement Board
 Installation of Ceiling Joist 332 sq.m Production Rate/ sq.m:
 No. Of Days
 Installation of Ceiling Board 332 sq.m Production Rate/ sq.m:
 No. Of Days
 Painting of Frames & Joist 332 sq.m Production Rate/ lm:
 No. Of Days
 Total no. of Days

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	7.0			
	3. Unskilled	13.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Scaffolding Set	10.0			
	2. Electric Drill	2.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. C- Purlins 1.5mm x 50 x 100 x 6m	60.0	Pcs		
	2. Carrying Channel 0.8 x 5m	70.0	Pcs		
	3. Ceiling Joist Double Furring .4 x 20 x 50 x 5m	128.0	Pcs		
	4. Wall Angle 0.4mmx 19mm x 50mm x 2.4 m	140.0	Pcs		
	5. (Furring Hanger) Carrying Channel 0.8 x 5m	35.0	Pcs		
	6. W Clip	640.0	Pcs		
	7. Ficem Board 4.5 x 1.2 x2.4	122.0	Pcs		
	8. Blind Rivet x 20	15.0	Box		
	9. Welding Rod (5kg)	4.0	Box		
	10. Steel Drill Bit (4mm Diameter)	12.0	Pcs		
	11. Primer Paint	7.0	gal		
	12. Paint Thinner	2.0	gal		
	13. Paint Brush x 100mm	12.0	Pcs		
	14. Steel Screw x 25mm	1500.0	Pcs		
	15. Flex. Joint Compound	25.0	Bucket		
	16. Latex Paint White (2 Coats)	32.0	gal		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				

B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1002(4) Quantity: all Description: Plumbing Fixtures Unit: ls Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Push Button type Water Closet w/ soap & tissue holder	7.0	sets		
	2. Urinal (Washbrook Type)	1.0	sets		
	3. Lavatory with faucet	7.0	sets		
	4. PVC Tile Drain 100mm	10.0	sets		
	5. Solvent Cement 400cc	2.0	can		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM	of Direct Cost			
F.	Profit	of Direct Cost			
G.	VAT	of (Direct Cost + OCM + Profit)			
H.	Total Cost	(D+E+F+G)			
I.	Unit Cost	H/ Quantity			

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1004(4)2 Description: Finishing Hardware					
			Quantity: all		
			Unit: ls		
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Asstd CW Nails	5.0	kgs		
	2. HD Loose Pin Hinges 100mmx100mm	152.0	set		
	3. HD Cylindrical Door Lockset	15.0	set		
	4. HD Lever Type Door Lockset	9.0	set		
	5. HD Steel Barrel Bolt	24.0	set		
	6. Door Latch	8.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM	of Direct Cost			
F.	Profit	of Direct Cost			
G.	VAT	of (Direct Cost + OCM + Profit)			
H.	Total Cost	(D+E+F+G)			
I.	Unit Cost	H/ Quantity			

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1005 (1) Quantity: 109.50 Description: Residential Casement (Steel) Unit: sq.m Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	4.0			
	3. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Welding Machine	1.0			
	2. Electric Grinder	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. W1,W2 Casement window of standard frame w/ clear glass 4mm thk, iron grills std. 12mm square bar spaced @ 0.10m o.c. Epoxy prime painted & Enamel paint finish (W1 - 19 sets),(W2 - 8 sets)	109.50	sq.m		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya

Item No: 1005(4) Quantity: 9.60
 Description: Awning Ventilator Unit: sq.m

Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	3.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Welding Machine	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Awning window of standard frame w/ clear glass 4mm thk, iron grills std. 12mm square bar spaced @ 0.10m o.c.welded to flat bar 5mmx25mm frame Epoxy prime painted & Enamel paint finish (W3 - 1 sets),(W4 - 3sets),(W5- 6 sets),(W6- 2 sets)	15.36	sq.m		

C. SUB-TOTAL (MATERIAL)			
SUMMARY:			
A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Laboratory Building and Facilities					
Location: NVSU Bambang, Nueva Vizcaya					
Item No: 1010 (1)			Quantity: 115.00		
Description: Frame (Wooden Jambs)			Unit: ln.m		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	4.0			
	3. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Door Jamb Tanguile or Equivalent 50 x 150 x 3.6	33.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM	of Direct Cost			
F.	Profit	of Direct Cost			
G.	VAT	of (Direct Cost + OCM + Profit)			
H.	Total Cost	(D+E+F+G)			
I.	Unit Cost	H/ Quantity			

DETAILED UNIT PRICE ANALYSIS					
Project:		Construction of Mechanical Laboratory Building and Facilities			
Location:		NVSU Bambang, Nueva Vizcaya			
Item No:		1010(2)a	Quantity:		11.59
Description:		Doors (Flush Type)	Unit:		sq.m
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Flush Door (D6) 0.6m x 2.1m (6 sets)	7.56	sq.m.		
	2. Flush Door (D7) 0.8m x 1.75m (2 sets)	2.80	sq.m.		
	3. Flush Door (D8) 0.7m x 1.75m (2 sets)	1.23	sq.m.		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:			
A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1010(2)b	Quantity:	46.20		
Description:	Doors (Wood Panel)	Unit:	sq.m		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	4.0			
	3. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Two Leaf Wood Panel Door (D1) 2m x 2.4m (2 sets)	9.60	sq.m.		
	2. Two Leaf Wood Panel Door (D2) 2m x 2.1m (4 sets)	16.80	sq.m.		
	3. Two Leaf Wood Panel Door (D3) 1.6m x 2.1m (3 sets)	10.08	sq.m.		
	4. Wood Panel Door With Transom (D4) 0.8 x 2.4 (2 sets)	3.84	sq.m.		
	5. Wood Panel Door With Transom (D5) 0.7 x 2.1 (4 sets)	5.88	sq.m.		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:			
A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Laboratory Building and Facilities

Location: NVSU Bambang, Nueva Vizcaya

Item No: 1011 (1)a

Quantity: 9.00

Description: Roll-up Door

Unit: set

Production Output:

No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	1.0			
	3. Unskilled	2.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Roll-Up Door Complete Set Primed and Painted (Colored)	5.0	sets		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				

B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1014 (1) b2	Quantity:	375.00		
Description:	Pre-painted Metal Sheets, Rib Type, Long Span,	Unit:	sq.m		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
a.	Installation of Roofint				
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
b.	Hauling of Metal Sheets				
	1. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Drill	1.0			
	2. Riveter	1.0			
	3. Portalift	1.0			
	4. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Twin RIBB Type # 0.40mm x 0.942m x 6.1m	37.0	pcs		
	# 0.40mm x 0.942m x 5.3m	7.0	pcs		
	# 0.40mm x 0.942m x 4.3m	4.0	pcs		
	# 0.40mm x 0.942m x 3.5m	5.0	pcs		
	# 0.40mm x 0.942m x 3.2m	9.0	pcs		
	# 0.40mm x 0.942m x 2.5m	3.0	pcs		
	# 0.40mm x 0.942m x 2.3m	21.0	pcs		
	# 0.40mm x 0.942m x 2.0m	10.0	pcs		
	2. Touch up paint	5.0	lit		

	3. Vulcaseal (colored)	5.0	lit		
	4. Blind Rivet x 12mm	3.0	box		
	5. Ridge Nailer Flat Bar 4mm x 32 x 6m	20.0	pcs		
	6. HD Tekscrew x 25mm	1650.0	pcs		
	7. HD Concrete Drill Bit x 6.0mm	10.0	pcs		
	8. Polycarbonate Sheet 1.2mm x 2.4 (Including Accessories)	8.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM		of Direct Cost		
F.	Profit		of Direct Cost		
G.	VAT		of (Direct Cost + OCM + Profit)		
H.	Total Cost		(D+E+F+G)		
I.	Unit Cost		H/ Quantity		

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building
and Facilities
Location: NVSU Bambang,
Nueva Vizcaya

Item No: 1016(1)a Quantity: 72.50
Description: Waterproofing Unit: sq.m
(Cement Base)

Production Output:
No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	4.0			
	3. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Waterproofing Compound	82.0	packs		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:		
A.	Labor	
B.	Equipment	
C.	Materials	
D.	TOTAL DIRECT COST	
	DIRECT UNIT COST	
E.	OCM	of Direct Cost
F.	Profit	of Direct Cost
G.	VAT	of (Direct Cost + OCM + Profit)
H.	Total Cost	(D+E+F+G)
I.	Unit Cost	H/ Quantity

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1018(1) Quantity: 149.54 Description: Glazed Tiles and Trims Unit: sq.m Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	Tile Cutter	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Glazed Wall Tile 5mm x 30 x 30	1911.0	pcs		
	2. Tile Trim 6mm x 2.40m	64.0	pcs		
	3. Tile Grout, 5kg	10.0	pack		
	4. ABC Tile Adhesive, 25kg	35.0	bag		
	6. Tile Cutting Disc	5.0	pcs		
	7. Portland Cement	53.0	bag		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				

B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1018(2) Quantity: 65.00 Description: Unglazed Tiles Unit: sq.m Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	Tile Cutter	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Unglazed Tile 5mm x 30 x 30 (for cr)	570.0	pcs		
	2. Tile Grout, 5kg	4.0	packs		
	3. Tile Adhesive, 25kg	14.0	bag		
	4. Portland Cement	31.0	bags		
	5. Tile Cutting Disc	5.0	pcs		
	6. Sand	3.0	cu.m		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				

C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1021(1)a	Quantity:	1,030.00		
Description:	Cement Floor Finish (Plain)	Unit:	sq.m		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	4.0			
	3. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Portland Cement	340.0	bag		
	2. Sand	28.0	cu.m.		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				

E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya

Item No: 1032(1)b Quantity: 30.00
 Description: Painting Works(Wood) Unit: sq.m.
 (Jambs)

Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Painter	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Flat White Enamel	7.0	gal		
	2. Semi-Gloss Enamel	14.0	gal		
	3. Glazing Putty	1.0	gal		
	4. Paint Thinner	2.0	lit.		
	5. Wood Sand Paper	20.0	pcs		
	6. Paint Brush x 50mm	5.0	pcs		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:		
A.	Labor	
B.	Equipment	
C.	Materials	
D.	TOTAL DIRECT COST	
	DIRECT UNIT COST	
E.	OCM	of Direct Cost
F.	Profit	of Direct Cost
G.	VAT	of (Direct Cost + OCM + Profit)
H.	Total Cost	(D+E+F+G)
I.	Unit Cost	H/ Quantity

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1032(1)c	Quantity:	258.50		
Description:	Painting Works(Steel) Railings	Unit:	sq.m		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Painter	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
	2. Electric Grinder	1.00			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Metal Primer, Red	9.0	gal		
	2. Semi-Gloss Enamel Paint (Verify Color at PPSD Office)	12.0	gal		
	3. Paint Thinner	3.0	lit.		
	4. Paint Brush x 50mm	10.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				

C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1046(2)a2	Quantity:	615.57		
Description:	CHB Non-Load Bearing(incl. RSB) 150mm	Unit:	sq.m		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	4.0			
	3. Unskilled	6.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. CHB 150mm thk	8003.0	pcs		
	2. Portland Cement	468.0	bags		
	3. Sand (S1)	52.0	cu.m.		
	4. RSB 10mmØ x 6.0m	1222.0	kgs		
	5. GI Tie Wire # 16	31.0	kgs		
	6. Hacksaw Blade	10.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				

C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS						
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities					
Location:	NVSU Bambang, Nueva Vizcaya					
Item No:	1047(8)	Quantity:	all			
Description:	Structural Steel (Roof Framing)	Unit:	ls			
Production Output:						
No. of days:						
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)	
	1. Foreman	1.0				
	2. Skilled	4.0				
	3. Unskilled	6.0				
A. SUB-TOTAL (LABOR)						
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)	
	1. Electric Welding Machine	1.0				
	2. Electric Grinder	1.0				
	3. Bar Cutter/ Power Cutter	1.0				
	4. Scaffolding(set)	10.0				
B. SUB-TOTAL (EQUIPMENT)						
C.	Name and Description	Pcs	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Angle bar 6mm x 50 x 50 x 6.0m		132.0	pcs		
	2. Angle bar 5mm x 50 x 50 x 6.0m		114.0	pcs		
	3. C-purlins 1.5mm x 50 x 100 x 6.0m		425.0	pcs		
	4. Cleats Angle bar 4mm x 50 x 50 x 6.0m		5.0	pcs		
	5. Sag rod RSB 12mmØ x 6.0m		35.0	pcs		
	6. Cross Bracing 16mm x 6.0m plain round bar		48.0	pcs		
	7. Heavy Duty turn buckle x 16mmØ		35.0	pcs		
	8. Gusset Plate 6mm x 100 x 200		150.0	pcs		
	9. Welding rod (5kilos)		15.0	box		
	10. Epoxy primer paint		8.0	gal		
	11. Paint brush x 50mm		10.0	pcs		
	12. Paint thinner		4.0	lit		
	13. Metal Grinding disc		6.0	pcs		

C. SUB-TOTAL (MATERIAL)		
SUMMARY:		
A.	Labor	
B.	Equipment	
C.	Materials	
D.	TOTAL DIRECT COST	
	DIRECT UNIT COST	
E.	OCM	of Direct Cost
F.	Profit	of Direct Cost
G.	VAT	of (Direct Cost + OCM + Profit)
H.	Total Cost	(D+E+F+G)
I.	Unit Cost	H/ Quantity

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Engineering Laboratory
 Building and Facilities
 Location: NVSU Bambang,
 Nueva Vizcaya

Item No: 1047(1) Quantity: all
 Description: Structural Steel (Fire Exit Ladder) Unit: ls

Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Welding Machine	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. GI Pipe 20mmØ x 6.0m Sche. 40	7.0	pcs		
	2. Flat bar 6mm x 25mm x 6m	46.0	pcs		
	3. Angle Bar 6mm x 38mm x 38mm x 6m	16.0	pcs		
	4. Anchor Bolt 10mmØ x 75mm	46.0	pcs		
	5. Concrete Drill Bit 10mmØ	4.0	pcs		
	6. Welding Rod (5kg)	8.0	box		
	7. Grinding Disc	29.0	pcs		
	8. Hacksaw Blade	225.0	pcs		
	9. Concrete Drill Bit 12mmØ	15.0	box		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:		
A.	Labor	
B.	Equipment	
C.	Materials	
D.	TOTAL DIRECT COST	
	DIRECT UNIT COST	
E.	OCM	of Direct Cost
F.	Profit	of Direct Cost
G.	VAT	of (Direct Cost + OCM + Profit)
H.	Total Cost	(D+E+F+G)
I.	Unit Cost	H/ Quantity

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Engineering Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1100(10) Quantity: all Description: Conduits, Boxes and Fittings Unit: ls					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Electrician	2.0			
	2. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. uPVC Electrical Conduit 20mmØ x 3.0m	315.0	pcs		
	2. uPVC Electrical Conduit 25mmØ x 3.0m	20.0	pcs		
	3. Entrance cap	6.0	pc		
	5. PVC Junction Box	105.0	pcs		
	6. PVC Utility Box	117.0	pcs		
	7. Electrical Tape big	20.0	pcs		
	8. Receptacle(plastic) big 100mmØ	66.0	pcs		
	9. PVC Square box 4" x 4" x 4"	6.0	pcs		
	10. uPVC Electrical Conduit 40mmØ x 3.0m	3.0	pcs		
	11. uPVC Electrical Conduit 50mmØ x 3.0m	8.0	pcs		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:			
A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1101(33)	Quantity:	all		
Description:	Wires and Wiring Devices	Unit:	l.s.		
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Electrician	2.0			
	2. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					-
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. 3-gang switch assy.	6.0	sets		
	2. 2-gang switch assy.	16.0	sets		
	3. 1-gang switch assy.	21.0	sets		
	4. 2-gang universal outlet assy.	45.0	sets		
	5. Special Outlet 1 Phase	11.0	sets		
	6. Special Outlet 3 Phase	6.0	sets		
	7. 4-gang switch assy.	1.0	sets		
	8. Special Outlet for Air-condition Unit	6.0	sets		
	9. 2.0mm ² THHN cu. Wire 150m/box	11.0	box		
	10. 3.5mm ² THHN cu. Wire 150m/box	5.0	box		
	11. 5.5mm ² THHN cu. Wire 150m/box	6.0	box		
	12. 8.0mm ² THHN/THWN cu. Wire	210.0	m		
	13. 14mm ² THHN/THWN cu. Wire	9.0	m		
	14. 30mm ² THHN/THWN cu. Wire	12.0	m		
	15. 38mm ² THHN/THWN cu. Wire	42.0	m		
	16. 60mm ² THHN/THWN cu. Wire	186.0	m		
	17. 10" x 10" Exhaust Fan	1.0	set		
	18. 3 phase secondary electrical rack complete w/ 3 ceramic spool	16.0	sets		
C. SUB-TOTAL (MATERIAL)					

SUMMARY:		
A.	Labor	
B.	Equipment	
C.	Materials	
D.	TOTAL DIRECT COST	
	DIRECT UNIT COST	
E.	OCM	of Direct Cost
F.	Profit	of Direct Cost
G.	VAT	of (Direct Cost + OCM + Profit)
H.	Total Cost	(D+E+F+G)
I.	Unit Cost	H/ Quantity

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1102(1)	Quantity:	all		
Description:	Panel Board with Main and Branch Breakers	Unit:	l.s.		
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Electrician	2.0			
	2. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. 15 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	6.0	pairs		
	2. 20 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	6.0	pairs		
	3. 30 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	20.0	pairs		
	4. 50 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	6.0	pairs		
	5. 100 Amp. Main Safety Breaker, 3 pole, 230v Bolt-on Type	2.0	pairs		
	6. 150 Amp. Main Safety Breaker, 3 pole, 230v Bolt-on Type	4.0	pairs		
	7. 300 Amp. Main Safety Breaker, 3 pole, 230v Bolt-on Type	1.0	pair		
	8. 6 branches circuit breaker panelboard box				
	(bolt on) 3 phase center main	1.0	unit		
	9. 12 branches circuit breaker panelboard box				

	(plug in) 3 phase center main 10. 20 branches circuit breaker panelboard box	1.0	unit		
	(plug in) 3 phase center main	2.0	unit		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM		of Direct Cost		
F.	Profit		of Direct Cost		
G.	VAT		of (Direct Cost + OCM + Profit)		
H.	Total Cost		(D+E+F+G)		
I.	Unit Cost		H/ Quantity		

DETAILED UNIT PRICE ANALYSIS						
Project:		Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:		NVSU Bambang, Nueva Vizcaya				
Item No:		1103(1)	Quantity: all			
Description:		Lighting Fixtures and Lamps	Unit: l.s.			
A.	Designation of Personnel		No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Electrician		2.0			
	2. Unskilled		4.0			
A. SUB-TOTAL (LABOR)						
B.	Name and Capacity of Equipment		No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Minor Tools (10% of Labor Cost)					
B. SUB-TOTAL (EQUIPMENT)						
C.	Name and Description		Quantity	Unit	Unit Cost	Total Cost (Php)
	1. LED Bulb 20 watts		65.0	pcs		
	2. Single Fixture LED Tube 18 watts		38.0	sets		
C. SUB-TOTAL (MATERIAL)						
SUMMARY:						
A.	Labor					
B.	Equipment					
C.	Materials					
D.	TOTAL DIRECT COST					
	DIRECT UNIT COST					

E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	B.4(1)	Quantity:	all		
Description:	Construction Survey and Staking	Unit:	l.s.		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	B.5	Quantity:	2.00		
Description:	Project Billboard/Signboard	Unit:	each		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Skilled	1.0			
	2. Unskilled	2.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Tarpauline (4' x 8')	2.0	pcs		
	2. Marine Plywood, 1/4" thick	2.0	pcs		
	3. Lumber	48.0	bd.ft		
	4. CWNails, assorted	0.5	kgs		
	5. Sign Board	6.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM	of Direct Cost			
F.	Profit	of Direct Cost			
G.	VAT	of (Direct Cost + OCM + Profit)			
H.	Total Cost	(D+E+F+G)			
I.	Unit Cost	H/ Quantity			

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	B.3	Quantity:	all		
Description:	Permits and Clearances	Unit:	ls		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Liaison Officer	1.00			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	Building Permits (BFP Permit, Structural Permit, Electrical Permit, Sanitary Permit, Architectural and Mechanical Permit)	1.0	l.s		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	B.1	Quantity:	all		
Description:	Offices, Shops and Workmens Accommodation for the Contractor	Unit:	ls		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	Bunkhouse	1.0			
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1051(5)	Quantity:	all		
Description:	Railings	Unit:	ls		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	2.0			
	3. Unskilled	4.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Welding Machine	1.0			
	2. Electric Grinder	1.0			
	3. Minor Tools (10% of Labor Cost)				
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Stainless Steel Pipe 2" dia. X 6	8.0	pc		
	2. Stainless Steel Pipe 1 1/2 dia. X 6m	3.0	pcs		
	3. Stainless Welding Rod	2.0	box		
	4. Stainless cap	10.0	pcs		
	5. Stainless Brush	4.0	pcs		
	6. Stainless Foams and Buffings	5.0	sets		
	7. GI Pipe 50mmØ x 6.0m Sch.40	10.0	pcs		
	8. 1.2 x 2" x 2 " Tubular	50.0	pcs		
	9. 1.2 x 1 1/2" x 1 1/2" Tubular	75.0	pcs		
	10. Welding Rod	15.0	box		
	11. Hacksaw Blade	4.0	pcs		
	12. Grinding Disc	6.0	pcs		

C. SUB-TOTAL (MATERIAL)			
SUMMARY:			
A.	Labor		
B.	Equipment		
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Engineering Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	B.7(2)	Quantity:	all		
Description:	Occupational safety and health	Unit:	I.s.		
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	Safety Officer Part Time	1.00			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Safety Hats	25.0	pcs		
	2. Safety gloves	150.0	md		
	3. Caution Tape	20.0	pcs		
	4. Safety Shoes	20.0	pairs		
	5. Raincoats	20.0	pc		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM		of Direct Cost		
F.	Profit		of Direct Cost		
G.	VAT		of (Direct Cost + OCM + Profit)		
H.	Total Cost		(D+E+F+G)		
I.	Unit Cost		H/ Quantity		

DETAILED UNIT PRICE ANALYSIS					
Project:	Construction of Mechanical Laboratory Building and Facilities				
Location:	NVSU Bambang, Nueva Vizcaya				
Item No:	1013 (2) a1	Quantity:	42.75		
Description:	Fabricated Metal Roofing Accessory (ridge roll)	Unit:	lm		
Production Output:					
No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Skilled	2.0			
	2. Unskilled	2.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Drill	1.0			
	2. Riveter	2.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Ridge Roll # 0.40mm x 600mm x 2.40m	34.0	pcs		-
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM		of Direct Cost		
F.	Profit		of Direct Cost		
G.	VAT		of (Direct Cost + OCM + Profit)		
H.	Total Cost		(D+E+F+G)		
I.	Unit Cost		H/ Quantity		

DETAILED UNIT PRICE ANALYSIS					
Project: Construction of Mechanical Laboratory Building and Facilities Location: NVSU Bambang, Nueva Vizcaya Item No: 1013 (2) b3 Description: Fabricated Metal Roofing Accessory (Valley roll) Quantity: 2.83 Unit: lm Production Output: No. of days:					
A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Skilled	2.0			-
	2. Unskilled	2.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	1. Electric Drill	1.0			
	2. Riveter	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Valley Roll # 40mm x 600 x 2.4m	7.0	pcs		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM	of Direct Cost			
F.	Profit	of Direct Cost			
G.	VAT	of (Direct Cost + OCM + Profit)			
H.	Total Cost	(D+E+F+G)			
I.	Unit Cost	H/ Quantity			

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 1001 (11) Quantity: all
 Description: Septic Vault (Concrete/CHB) Unit: ls
 Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	hauling and installation				
	1. Foreman	1.0			
	2. Skilled	3.0			
	3. Unskilled	7.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. CHB 150mm thk	350.0	pcs		
	2. Portland Cement	30.0	bags		
	3. Sand	2.0	cu.m		
	4. Gravel	3.0	cu.m		
	5. Waterproofing Compound (5kg) (including cr slab)	60.0	packs		
	6. 1/2" plywood	4.0	pcs		
	7. 2"x2" x10' lumber	18.0	pcs		
	9. 10mmØ RSB x 6m	40.0	pcs		
	10. PVC Pipe 100mmØ x 3.0 series 1000	3.0	pcs		
	11. PVC Elbow 100mmØ x 90°	9.0	pcs		
	12. PVC Tee 100mmØ	4.0	pcs		
	13. GI Tie Wire # 16				
C. SUB-TOTAL (MATERIAL)					

SUMMARY:			
A.	Labor		-
B.	Equipment		-
C.	Materials		
D.	TOTAL DIRECT COST		
	DIRECT UNIT COST		
E.	OCM	of Direct Cost	
F.	Profit	of Direct Cost	
G.	VAT	of (Direct Cost + OCM + Profit)	
H.	Total Cost	(D+E+F+G)	
I.	Unit Cost	H/ Quantity	

DETAILED UNIT PRICE ANALYSIS

Project: Construction of Mechanical Laboratory Building and Facilities
 Location: NVSU Bambang, Nueva Vizcaya
 Item No: 1200(14) Quantity: all
 Description: Ventilating Equipment Unit: Is
 Production Output:
 No. of days:

A.	Designation of Personnel	No. of Men	No. of Days	Daily Rate	Total Cost (Php)
	1. Foreman	1.0			
	2. Skilled	3.0			
	3. Unskilled	7.0			
A. SUB-TOTAL (LABOR)					
B.	Name and Capacity of Equipment	No. of Units	No. of Days	Daily Rate	Total Cost (Php)
	Welding Machine	1.0			
B. SUB-TOTAL (EQUIPMENT)					
C.	Name and Description	Quantity	Unit	Unit Cost	Total Cost (Php)
	1. Fan Exhauster 750 cfm,3 Speed 1hp	1.0	pc		
	2. 10" dia. x 10m G.I. Sheet Gauge 18 (Fabricated)	1.0	set		
	3. 8" dia. x 10m G.I. Sheet Gauge 18 (Fabricated)	1.0	set		
	4. 6" dia. x G.I. Sheet Gauge 18 (Fabricated)	1.0	set		
	5. 4" dia. G.I. Sheet Gauge 18 (Fabricated)	1.0	set		
	6. Dust Fume Collector 750 cfm	1.0	pc		
	7. 4" dia. Dumpers	6.0	pc		
	8. 6" dia. Dumpers	1.0	pc		
	9. 8" Dumpers	1.0	set		
	8. 0.8m x 0.6m Foundry Hood	1.0	pc		
	10. 4" dia. x 1.5m Flexible Hose with Extractor	6.0	pcs		
	11. 8" End Cap	1.0	pc		
	12. Hose Clip	6.0	pcs		

	13. Welding Rod	4.0	box		
	11. 10mm diameter round bar	10.0	pc		
C. SUB-TOTAL (MATERIAL)					
SUMMARY:					
A.	Labor				
B.	Equipment				
C.	Materials				
D.	TOTAL DIRECT COST				
	DIRECT UNIT COST				
E.	OCM			of Direct Cost	
F.	Profit			of Direct Cost	
G.	VAT			of (Direct Cost + OCM + Profit)	
H.	Total Cost			(D+E+F+G)	
I.	Unit Cost			H/ Quantity	

SUMMARY SHEET

PROJECT: Construction of Mechanical Engineering Laboratory Building and Facilities

LOCATION: NVSU Bambang Campus

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	LABOR	EQUIPMENT	MATERIAL	TOTAL COST
				COST	COST	COST	
800(2)	Clearing and Grubbing	all	l.s.				
801(1)	Removal of Structures & Obstruction	all	ls				
803(1) a	Structure Excavation (Common Soil)	396.70	cu.m				
804(1)a	Embankment (Backfilling) Including Compaction	472.69	cu.m				
900(1)c1	Structural Concrete(Concrete Gutter, Shearwall, Canopy, Ramp,Stair),CLASS"A",28days	88.07	cu.m				
900(1)c2	Structural Concrete(Footing, Slab on Fill),CLASS "A",28 days	165.42	cu.m				
900(1)c3	Structural Concrete(Footing Tie Beams),CLASS "A",28 days	22.14	cu.m				
900(1)c4	Structural Concrete(Columns),Class A, 28 days	104.77	cu.m				
900(1)c5	Structural Concrete(Suspended Slab),Class A, 28 days	99.84	cu.m				
900(1)c6	Structural Concrete(Beams, Girders, Cantilever Beams),Class A, 28 days	78.68	cu.m				
902(1)a	Reinforcing Steel (Deformed, Grade 40)	70,284.93	kg				
903(2)	Formworks and Falseworks (Columns, Beams, Slab, Canopy & Gutter,Stair)	2,605.72	sq.m				
1000(1)	Soil Poisoning	6.00	lit				
1001(8)	Sewer Line Works	all	ls				
1001 (9)	Storm Drainage and Downspout	all	ls				
1001 (11)	Septic Vault (Concrete/CHB)	all	ls				
1002(4)	Plumbing Fixtures	all	ls				
1002(24)	Cold Water Lines	all	ls				
1003 (1)a1	Ceiling, Metal Frame, Fiber Cement Board	332.00	sq.m				
1004(4)2	Finishing Hardware	all	ls				
1005 (1)	Residential Casement (Steel)	109.50	sq.m				
1005(4)	Awning Ventilator	9.60	sq.m				
1010 (1)	Frame (Wooden Jambs)	115.00	ln.m				
1010(2)a	Doors (Flush Type)	11.59	sq.m				
1010(2)b	Doors (Wood Panel)	46.20	sq.m				
1011 (1)a	Roll-up Door	9.00	set				
1013 (2) a1	Fabricated Metal Roofing Accessory (ridge roll	42.75	lm				

1013 (2) b3	Fabricated Metal Roofing Accessory (Valley roll)	2.83	lm				
1014 (1) b2	Pre-painted Metal Sheets, Rib Type, Long Span,	375.00	sq.m				
1016(1)a	Waterproofing (Cement Base)	72.50	sq.m				
1018(1)	Glazed Tiles and Trims	149.54	sq.m				
1018(2)	Unglazed Tiles	65.00	sq.m				
1021(1)a	Cement Floor Finish (Plain)	1,030.00	sq.m				
1027(1)	Cement Plaster Finish	4,026.24	sq.m				
1032(1)b	Painting Works(Wood) (Jambs)	30.00	sq.m.				
1032(1)c	Painting Works(Steel)	258.50	sq.m				
1046(2)a1	CHB Non-Load Bearing(incl. RSB) 100mm	182.33	sq.m				
1046(2)a2	CHB Non-Load Bearing(incl. RSB) 150mm	615.57	sq.m				
1047(1)	Structural Steel (Fire Exit Ladder)	all	ls				
1047(8)	Structural Steel (Roof Framing)	all	ls				
1051(5)	Railings	all	ls				
1100(10)	Conduits, Boxes and Fittings	all	ls				
1101(33)	Wires and Wiring Devices	all	l.s.				
1102(1)	Panel Board with Main and Branch Breakers	all	l.s.				
1103(1)	Lighting Fixtures and Lamps	all	l.s.				
1200(14)	Ventilating Equipment	all	ls				
B.1	Offices, Shops and Workmens Accommodation for the Contractor	all	ls				
B.3	Permits and Clearances	all	ls				
B.4(1)	Construction Survey and Staking	all	l.s.				
B.5	Project Billboard/Signboard	2.00	each				
B.7(2)	Occupational safety and health	all	l.s.				
DIRECT COST			(A)				
OCM			(B)				
Profit			(C)				
VAT of (A + B + C)							
Total							
Engineering Services							
GRAND TOTAL PROJECT COST							

Prepared By:

Civil Engineer

PRC No.: _____

PTR No.: _____

Submitted by:

General Manager/Authorized Representatives

LIST OF MATERIALS			
ITEM	DESCRIPTION	UNIT	UNIT COST
1	Cutting Disk	pc	
2	Mixed Gravel and Sand (Gravel Bedding)	cu.m	
3	From Borrow	cu.m	
4	Portland Cement	bag	
5	Sand (S1)	cu.m.	
6	Gravel (G 3/4)	cu.m.	
7	Steel Deck # 1.0mm x 0.452m x3.8m	pc	
8	Steel Deck # 1.0mm x 0.452m x2.4m	pc	
9	Steel Deck # 1.0mm x 0.452m x1.6m	pc	
10	Decking Teckscrew 24mmx20mm	pc	
11	10mmØ RSB x 6m	kg	
12	10mmØ RSB x 7.5m	kg	
13	12mmØ RSB x 6m	kg	
14	12mmØ RSB x 7.5m	kg	
15	16mmØ RSB x6m	kg	
16	16mmØ RSB x7.5m	kg	
17	20mmØ RSB x6m	kg	
18	20mmØ RSB x7.5m	kg	
19	25mmØ RSB x6m	kg	
20	25mmØ RSB x7.5m	kg	
21	25mmØ RSB x9m	kg	
22	G.I. Tie Wire #16	kg	
23	13mm x 1.2m x 2.4m Phenolic Board(4uses)	pc	
24	Good Lumber(4 uses) - 2"x2"	bd.ft.	
25	Asstd. CW Nails	kg.	
26	Drip mold 12mm X 25mm X 3.6m	pc	
27	Soil Poison	lit.	
28	Downspout PVC Moldex 75 x 3.0m Sch. 40	pc	
29	PVC Elbow 75mm x 90°	pc	
30	PVC Solvent Cement	lit.	
31	Flat Bar Stap 4mm x 25 x 300mm	pc	
32	Lowdome roof drain x 100mm dia	pc	
33	PVC Pipe 110mmØ x 3.0 series 1000	pc	
34	PVC Pipe 63mmØ x 3.0 series 1000	pc	
35	PVC Pipe 90mmØ x 3.0 series 1000	pc	
36	PVC Wye 110mmØ x 110mmØ	pc	
37	PVC Wye 110mmØ x 63mmØ	pc	
38	PVC Wye 90mmØ x 63mmØ	pc	
39	PVC Wye 110mmØ x 90mmØ	pc	
40	PVC Elbow 110mmØ x 90°	pc	
41	PVC Elbow 63mmØ x 90°	pc	
42	PVC Cleanout w/ plug 110mmØ	pc	
43	PVC Tee 110mmØ x 110mmØ	pc	
44	PVC Tee 110mmØ x 63mmØ	pc	
45	PVC Tee 63mmØ x 63mmØ	pc	
46	PVC P-Trap 63mmØ	pc	

47	PVC Reducer 110mmø x 63mmø	pc	
48	PPR Pipe 25ø x 4.0m PN20	pc	
49	PPR Pipe 32ø x 4.0m PN20	pc	
50	PPR Ball Valve 25ø	pc	
51	PPR Elbow 90° x 25ø	pc	
52	PPR Elbow 90° x 32ø	pc	
53	PPR Clip x 32ø	pc	
54	PPR Coupling x 25ø	pc	
55	PPR Coupling x 32ø	pc	
56	PPR Tee Reducer 32ø x 250ø	pc	
57	PPR Tee 25mmø	pc	
58	Bibb type Faucet 1/2"ø x 150mm	pc	
59	C- Purlins 1.5mm x 50 x 100 x 6m	Pc	
60	Carrying Channel 0.8 x 5m	Pc	
61	Ceiling Joist Double Furring .4 x 20 x 50 x 5m	Pc	
62	Wall Angle 0.4mmx 19mm x 50mm x 2.4 m	Pc	
63	(Furring Hanger) Carrying Channel 0.8 x 5m	Pc	
64	W Clip	Pc	
65	Ficem Board 4.5 x 1.2 x 2.4	Pc	
66	Blind Rivet x 20	Box	
67	Welding Rod (5kg)	Box	
68	Steel Drill Bit (4mm Diameter)	Pc	
69	Primer Paint	gal	
70	Paint Thinner	gal	
71	Paint Brush x 100mm	Pc	
72	Steel Screw x 25mm	Pc	
73	Flex. Joint Compound	Bucket	
74	Latex Paint White (2 Coats)	gal	
75	Push Button type Water Closet w/ soap & tissue holder	set	
76	Urinal (Washbrook Type)	set	
77	Lavatory with faucet	set	
78	PVC Tile Drain 100mm	set	
79	HD Loose Pin Hinges 100mmx100mm	set	
80	HD Cylindrical Door Lockset	set	
81	HD Lever Type Door Lockset	set	
82	HD Steel Barrel Bolt	set	
83	Door Latch	pc	
84	W1,W2 Casement window of standard frame w/ clear	sq.m	
85	glass 4mm thk, iron grills std. 12mm square bar		
86	spaced @ 0.10m o.c. Epoxy prime painted		
87	& Enamel paint finish		
88	(W1 - 19 sets),(W2 - 8 sets)		
89	1. Awning window of standard frame w/ clear	sq.m	
90	glass 4mm thk, iron grills std. 12mm square bar		
91	spaced @ 0.10m o.c.welded to flat bar 5mmx25mm		
92	frame		
93	Epoxy prime painted & Enamel paint finish		
94	(W3 - 1 sets),(W4 - 3sets),(W5- 6 sets),(W6- 2 sets)		
95	Door Jamb Tanguile or Equivalent 50 x 150 x 3.6	pc	
96	Flush Door (D6) 0.6m x 2.1m (6 sets)	sq.m.	
97	Flush Door (D7) 0.8m x 1.75m (2 sets)	sq.m.	

98	Flush Door (D8) 0.7m x 1.75m (2 sets)	sq.m.	
99	Two Leaf Wood Panel Door (D1) 2m x 2.4m (2 sets)	sq.m.	
100	Two Leaf Wood Panel Door (D2) 2m x 2.1m (4 sets)	sq.m.	
101	Two Leaf Wood Panel Door (D3) 1.6m x 2.1m (3 sets)	sq.m.	
102	Wood Panel Door With Transom (D4) 0.8 x 2.4 (2 sets)	sq.m.	
103	Wood Panel Door With Transom (D5) 0.7 x 2.1 (4 sets)	sq.m.	
104	Roll-Up Door Complete Set Primed and Painted (Colored)	set	
105	Twin RIBB Type # 0.40mm x 0.942m x 6.1m	pc	
106	Twin RIBB Type # 0.40mm x 0.942m x 5.3m	pc	
107	Twin RIBB Type # 0.40mm x 0.942m x 4.3m	pc	
108	Twin RIBB Type # 0.40mm x 0.942m x 3.5m	pc	
109	Twin RIBB Type # 0.40mm x 0.942m x 3.2m	pc	
110	Twin RIBB Type # 0.40mm x 0.942m x 2.5m	pc	
111	Twin RIBB Type # 0.40mm x 0.942m x 2.3m	pc	
112	Twin RIBB Type # 0.40mm x 0.942m x 2.0m	pc	
113	Touch up paint	lit	
114	Vulcaseal (colored)	lit	
115	Blind Rivet x 12mm	box	
116	Ridge Nailer Flat Bar 4mm x 32 x 6m	pc	
117	HD Tekscrew x 25mm	pc	
118	HD Concrete Drill Bit x 6.0mm	pc	
119	Polycarbonate Sheet 1.2mm x 2.4 (Including Accessories)	pc	
120	Waterproofing Compound	pack	
121	Glazed Wall Tile 5mm x 30 x 30	pc	
122	Tile Trim 6mm x 2.40m	pc	
123	Tile Grout, 5kg	pack	
124	ABC Tile Adhesive, 25kg	bag	
125	Tile Cutting Disc	pc	
126	Unglazed Tile 5mm x 30 x 30 (for cr)	pc	
127	Flat White Enamel	gal	
128	Semi-Gloss Enamel	gal	
129	Glazing Putty	gal	
130	Wood Sand Paper	pc	
131	Paint Brush x 50mm	pc	
132	Metal Primer, Red	gal	
133	Semi-Gloss Enamel Paint (Verify Color at PPSD Office)	gal	
134	CHB 100mm thk	pc	
135	RSB 10mmØ x 6.0m	kg	
136	GI Tie Wire # 16	kg	
137	Hacksaw Blade	pc	
138	CHB 150mm thk	pc	
139	Angle bar 6mm x 50 x 50 x 6.0m	pc	
140	Angle bar 5mm x 50 x 50 x 6.0m	pc	
141	C-purlins 1.5mm x 50 x 100 x 6.0m	pc	
142	Cleats Angle bar 4mm x 50 x 50 x 6.0m	pc	
143	Sag rod RSB 12mmØ x 6.0m	pc	
144	Cross Bracing 16mm x 6.0m plain round bar	pc	
145	Heavy Duty turn buckle x 16mmØ	pc	
146	Gusset Plate 6mm x 100 x 200	pc	
147	Epoxy primer paint	gal	
148	Metal Grinding disc	pc	

149	GI Pipe 20mmØ x 6.0m Sche. 40	pc	
150	Flat bar 6mm x 25mm x 6m	pc	
151	Angle Bar 6mm x 38mm x 38mm x 6m	pc	
152	Anchor Bolt 10mmØ x 75mm	pc	
153	Concrete Drill Bit 10mmØ	pc	
154	Concrete Drill Bit 12mmØ	box	
155	uPVC Electrical Conduit 20mmØ x 3.0m	pc	
156	uPVC Electrical Conduit 25mmØ x 3.0m	pc	
157	Entrance cap	pc	
158	PVC Junction Box	pc	
159	PVC Utility Box	pc	
160	Electrical Tape big	pc	
161	Receptacle(plastic) big 100mmØ	pc	
162	PVC Square box 4" x 4" x 4"	pc	
163	uPVC Electrical Conduit 40mmØ x 3.0m	pc	
164	uPVC Electrical Conduit 50mmØ x 3.0m	pc	
165	3-gang switch assy.	set	
166	2-gang switch assy.	set	
167	1-gang switch assy.	set	
168	2-gang universal outlet assy.	set	
169	Special Outlet 1 Phase	set	
170	Special Outlet 3 Phase	set	
171	4-gang switch assy.	set	
172	Special Outlet for Air-condition Unit	set	
173	2.0mm ² THHN cu. Wire 150m/box	box	
174	3.5mm ² THHN cu. Wire 150m/box	box	
175	5.5mm ² THHN cu. Wire 150m/box	box	
176	8.0mm ² THHN/THWN cu. Wire	m	
177	14mm ² THHN/THWN cu. Wire	m	
178	30mm ² THHN/THWN cu. Wire	m	
179	38mm ² THHN/THWN cu. Wire	m	
180	60mm ² THHN/THWN cu. Wire	m	
181	10" x 10" Exhaust Fan	set	
182	3 phase secondary electrical rack complete w/ 3 ceramic spool	set	
183	15 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	
184	20 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	
185	30 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	
186	50 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	
187	100 Amp. Main Safety Breaker, 3 pole, 230v Bolt-on Type	pair	
188	150 Amp. Main Safety Breaker, 3 pole, 230v Bolt-on Type	pair	
189	300 Amp. Main Safety Breaker, 3 pole, 230v Bolt-on Type	pair	
190	6 branches circuit breaker panelboard box		
191	(bolt on) 3 phase center main	unit	
192	12 branches circuit breaker panelboard box		
193	(plug in) 3 phase center main	unit	
194	20 branches circuit breaker panelboard box		
195	(plug in) 3 phase center main	unit	
196	LED Bulb 20 watts	pc	
197	Single Fixture LED Tube 18 watts	set	
198	Tarpauline (4' x 8')	pc	
199	Marine Plywood, 1/4" thick	pc	

200	Lumber	bd.ft	
201	Sign Board	pc	
202	Building Permits (BFP Permit, Structural Permit, Electrical Permit,	l.s	
203	Sanitary Permit, Architectural and Mechanical Permit)		
204	Bunkhouse		
205	Stainless Steel Pipe 2" dia. X 6	pc	
206	Stainless Steel Pipe 1 1/2 dia. X 6m	pc	
207	Stainless Welding Rod	box	
208	Stainless cap	pc	
209	Stainless Brush	pc	
210	Stainless Foams and Buffings	set	
211	GI Pipe 50mmØ x 6.0m Sch.40	pc	
212	1.2 x 2" x 2 " Tubular	pc	
213	1.2 x 1 1/2" x 1 1/2" Tubular	pc	
214	Safety Hats	pc	
215	Safety gloves	md	
216	Caution Tape	pc	
217	Safety Shoes	pair	
218	Raincoats	pc	
219	Ridge Roll # 0.40mm x 600mm x 2.40m	pc	
220	Valley Roll # 40mm x 600 x 2.4m	pc	
221	1/2" plywood	pc	
222	2"x 2" x 10' lumber	pc	
223	PVC Pipe 100mmØ x 3.0 series 1000	pc	
224	PVC Elbow 100mmØ x 90°	pc	
225	PVC Tee 100mmØ	pc	
226	Fan Exhauster 750 cfm,3 Speed 1hp	pc	
227	10" dia. x 10m G.I. Sheet Gauge 18 (Fabricated)	set	
228	8" dia. x 10m G.I. Sheet Gauge 18 (Fabricated)	set	
229	6" dia. x G.I. Sheet Gauge 18 (Fabricated)	set	
230	4" dia. G.I. Sheet Gauge 18 (Fabricated)	set	
231	Dust Fume Collector 750 cfm	pc	
232	4" dia. Dumpers	pc	
233	6" dia. Dumpers	pc	
234	8" Dumpers	set	
235	0.8m x 0.6m Foundry Hood	pc	
236	4" dia. x 1.5m Flexible Hose with Extractor	pc	
237	8" End Cap	pc	
238	Hose Clip	pc	
239	10mm diameter round bar	pc	

MANPOWER RATES

	Description	RATE PER DAY
A	CONSTRUCTION FOREMAN	
B	SKILLED LABOR	
C	UNSKILLED LABOR	
D	Liaison Officer	
E	Safety Officer Part Time	

EQUIPMENT RENTAL RATES

	Description	RENTAL RATE PER DAY
1	Electric Grinder	
2	Portable Jack Hammer	
3	Dump Truck	
4	Backhoe (0.8 cu.m)	
5	Minor Tools (10% of Labor Cost)	
6	Plate Compactor, Gas Engine 400-500	
7	One Bagger Mixer	
8	Concrete Vibrator	
9	Scaffolding Sets	
10	Porta Lift	
11	Bar Bender (25mm)	
12	Bar Cutter (25mm)	
13	Fusion Machine	
14	Electric Drill	
15	Electric Welding Machine	
16	Riveter	
17	Tile Cutter	
18	Minor Tools (10% of Labor Cost)	
19	Bar Cutter/ Power Cutter	

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]

