

# **PHILIPPINE BIDDING DOCUMENTS**

(As Harmonized with Development Partners)

# **Procurement of INFRASTRUCTURE PROJECTS**

Government of the Republic of the Philippines

**PROJECT 2021-26: *IMPROVEMENT OF MOTORPOOL 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**  
***For Project 2021-26: Improvement of Motorpool and Facilities  
for Bambang Campus***

1. The *Nueva Vizcaya State University*, through the *Special Trust Fund (F164)* intends to apply the sum of *Php4,365,000.00* being the Approved Budget for the Contract (ABC) to payments under the contract for *2021-26: Improvement of Motorpool 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 *180 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 August 20, 2021 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 Php5,000.00*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *through electronic means*.
6. The *NVSU* will hold a Pre-Bid Conference<sup>1</sup> on *August 31, 2021 @ 10:00am at the Function 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: 904 584 4579, Password: nvsu@2021)** until further notice, or until such time that the state of calamity, or implementation of community quarantine or similar government restrictions shall have been lifted by the proper government authorities.

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

7. Bids must be duly received by the BAC Secretariat through courier submission at the office address indicated below on or before September 10, 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 *September 13, 2021 at 9:00am at the given address and via Zoom (Meeting ID: 283 326 9518, Password: nvsu@2021)*. 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. JEANYBEE A. MARIANO**  
**MS. DIANNE MARGARETH B. TITO**  
**MR. RICHARD JOHN D. GUZMAN**  
UBAC Secretariat UBAC Secretariat

**MS. FLORIDA P. URBANO**  
**MS. JULIET S. SANCHEZ**

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

13. You may visit the website:

For downloading of Bidding Documents: **[www.nvsu.edu.ph](http://www.nvsu.edu.ph)** on August 20, 2021.

**ARACELI V. DOMAGAS, RCE, PhD**  
UBAC Chairperson

## ***Section II. Instructions to Bidders***

### **Notes on the Instructions to Bidders**

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

## 1. Scope of Bid

The Procuring Entity, Nueva Vizcaya State University invites Bids for the *Improvement of Motorpool and Facilities for Bambang Campus*, with Project Identification Number *Project 2021-26*.

*[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 *Special Trust Fund (F164)* in the amount of *Php4,365,000.00*

2.2. The source of funding is:

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

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

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

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

## 3. Bidding Requirements

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

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

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

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

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

#### **5. Eligible Bidders**

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

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

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

#### **6. Origin of Associated Goods**

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

## 7. Subcontracts

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

The Procuring Entity has prescribed that:

*[Select one, delete other/s]*

- a. Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed fifty percent (50%) of the contracted Works.
  - b. Subcontracting is not allowed.
- 7.1. *[If Procuring Entity has determined that subcontracting is allowed during the bidding, state:]* The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criterial 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 *January 11, 2022*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

## 16. Sealing and Marking of Bids

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

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

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

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

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

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

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

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

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

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

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

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

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

## **20. Post Qualification**

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

## **21. Signing of the Contract**

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

## ***Section III. Bid Data Sheet***

### **Notes on the Bid Data Sheet (BDS)**

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

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

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

- a. Information that specifies and complements provisions of the ITB must be incorporated.

# Bid Data Sheet

ITB Clause							
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>2021-26: Improvement of Motorpool 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:  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Key Personnel</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>General Experience</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"> </td> <td> </td> <td> </td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>			
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>					
10.5	The minimum major equipment requirements are the following:  <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; border-bottom: 1px solid black;"><u>Equipment</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Capacity</u></th> <th style="text-align: left; border-bottom: 1px solid black;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td colspan="3" style="padding-top: 5px;"><u>(Referred to DUPA)</u></td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	<u>(Referred to DUPA)</u>		
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>					
<u>(Referred to DUPA)</u>							
12	<i>[Insert Value Engineering clause if allowed.]</i>						
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: <p style="margin-left: 40px;">a. The amount of not less than <u>Php87,300.00</u> <i>[Insert two percent (2%) of ABC]</i>, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p style="margin-left: 40px;">b. The amount of not less than <u>Php218,250.00</u> <i>[Insert five percent (5%) of ABC]</i> if bid security is in Surety Bond.</p>						
19.2	Partial bids are allowed, as follows: <i>[Insert grouping of lots by specifying the items and the quantity for every identified lot.]</i>						
20	<i>[List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.]</i>						
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.						

## ***Section IV. General Conditions of Contract***

### **Notes on the General Conditions of Contract**

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

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

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

## 1. Scope of Contract

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

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

## 2. Sectional Completion of Works

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

## 3. Possession of Site

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

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

## 4. The Contractor's Obligations

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

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

## **5. Performance Security**

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

## **6. Site Investigation Reports**

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

## **7. Warranty**

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

## **8. Liability of the Contractor**

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

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

## **9. Termination for Other Causes**

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



## **10. Dayworks**

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

## **11. Program of Work**

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

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

## **12. Instructions, Inspections and Audits**

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

## **13. Advance Payment**

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

## **14. Progress Payments**

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

## **15. Operating and Maintenance Manuals**

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

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

## *Section V. Special Conditions of Contract*

### **Notes on the Special Conditions of Contract**

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

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

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

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

# Special Conditions of Contract

GCC Clause	
2	<i>[If different dates are specified for completion of the Works by section, i.e. “sectional completion,” these dates should be listed here.]</i>
4.1	<i>[Specify the schedule of delivery of the possession of the site to the Contractor, whether full or in part.]</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<p><i>[Select one, delete the other.]</i></p> <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p> <p><i>[In case of other structures, such as bailey and wooden bridges, shallow wells, spring developments, and other similar structures:]</i> Two (2) years.</p>
10	Dayworks are applicable at the rate shown in the Contractor’s original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <u>Php300,000.00</u> <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> .
	The date by which “as built” drawings are required is <i>[date]</i> .

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

### **Notes on Specifications**

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

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

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

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

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

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

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

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

## *Section VI. Specifications*

ITEM	DESCRIPTION OF WORK	QTY	UNIT
800(2)	Clearing & Grubbing	1.00	LS
801(1)	Removal of Structures & Obstructions	1.00	LS
803(1)a	Structure Excavation (Common Soil)	84.38	cu.m
804(1)a	Embankment from Borrow	141.00	cu.m
900(1)c1	Structural Concrete (Ramp,Stair & Canopy), Class A, 28 Days	6.25	cu.m
900(1)c2	Structural Concrete (Footing, Slab on Fill), Class A, 28 Days	53.76	cu.m
900(1)c3	Structural Concrete (Footing Tie Beams), Class A, 28 Days	16.88	cu.m
900(1)c4	Structural Concrete (Column), Class A, 28 Days	13.71	cu.m
900(1)c5	Structural Concrete (Suspended Slab), Class A, 28 Days	15.60	cu.m
900(1)c6	Structural Concrete (Beams, Girders,Cantilever Beams), Class A, 28 Days	16.95	cu.m
902(1)a	Reinforcing Steel (Deformed, Grade 40)	12,145.48	kg
903(2)	Formworks and Falseworks (Columns, Beams, Slab, Stair, Canopy, Trusses etc.)	1.00	LS
1000(1)	Soil Poisoning	1.00	lit
1001(8)	Sewer Line Works	1.00	LS
1001(10)	Pipes with Fittings Connections	1.00	LS
1001(11)	Septic Vaults (Concrete/CHB)	1.00	LS
1002(4)	Plumbing Fixtures	1.00	LS
1002(24)	Cold Water Lines	1.00	LS
1003(1)a1	Ceiling,Metal Frame, Fiber Cement Board	315.40	sq.m
1004(4)2	Finishing Hardwares	1.00	LS
1005(1)	Residential Casement (Steel)	31.44	sq.m
1005(4)	Awning Ventilator (Steel)	29.52	sq.m
1043(2)	Flush Doors and Frames	7.00	set
1010(2)b	Panel Doors and Frames	16.08	Sq.m.
1011(1)a	Roll-up Door	5.00	set
1013(2)	Fabricated Metal Roofing Accessory (Flashing)	48.80	Ln.m.
1014(1)b2	Pre-painted Metal Sheets, Rib Type, Long Span	137.46	sq.m
1016(1)a	Waterproofing (Cement Base)	148.80	sq.m
1018(1)	Glazed Tiles and Trims	60.34	sq.m
1018(2)	Unglazed Tiles	18.00	sq.m
1021(1)a	Cement Floor Finish (Plain)	480.84	sq.m
1027(1)	Cement Plaster Finish	1,038.28	sq.m
1032(1)a	Painting Works (Masonry/Concrete)	977.78	sq.m
1032(1)b	Painting Works (Wooden doors & Jambs)	61.76	sq.m
1032(1)c	Painting Works (Steel, Railings)	24.30	sq.m
1046(2)a1	CHB Non-Load Bearing (including RSB) 100mm (Interior Walls)	182.98	sq.m
1046(2)a2	CHB Non-Load Bearing (Including RSB) 150mm	170.89	sq.m
1047(8)	Structural Steel (Roof Framing)	1.00	LS
1051(5)	Railings	1.00	LS
1100(10)	Conduits, Boxes and Fittings	1.00	LS
1101(33)	Wires and Wiring Devices	1.00	LS
1102(1)	Panel Board with Main and Branch Breakers	1.00	LS
1103(1)	Lighting Fixtures and Lamps	1.00	LS



## *Section VI. Specifications*

B.1	Offices, Shops and Workmens Accommodation for the Contractor	1.00	LS
B.3	Permits and Clearances	1.00	LS
B.5	Project Billboard/Signboard	1.00	each
B.7(2)	Occupational Safety and Health Program	1.00	LS
B.16	Recognition Plate/Marker	1.00	LS

## ***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 : **2021-26: Improvement of Motorpool and Facilities for Bambang Campus**  
 Location : NVSU Bambang, Nueva Vizcaya  
 Mode of Implementation : Public Bidding  
 Source of Fund : Special Trust Fund  
 Number of Calendar Days to Complete: 180 calendar days  
 Approved Budget for Contract : Php4,365,000.00

ITEM	DESCRIPTION OF WORK	QTY	UNIT	UNIT COST	AMOUNT
800(2)	Clearing & Grubbing	1.00	LS		
801(1)	Removal of Structures & Obstructions	1.00	LS		
803(1)a	Structure Excavation (Common Soil)	84.38	cu.m		
804(1)a	Embankment from Borrow	141.00	cu.m		
900(1)c1	Structural Concrete (Ramp, Stair & Canopy), Class A, 28 Days	6.25	cu.m		
900(1)c2	Structural Concrete (Footing, Slab on Fill), Class A, 28 Days	53.76	cu.m		
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902(1)a	Reinforcing Steel (Deformed, Grade 40)	12,145.48	kg		
903(2)	Formworks and Falseworks (Columns, Beams, Slab, Stair, Canopy, Trusses etc.)	1.00	LS		
1000(1)	Soil Poisoning	1.00	lit		
1001(8)	Sewer Line Works	1.00	LS		
1001(10)	Pipes with Fittings Connections	1.00	LS		
1001(11)	Septic Vaults (Concrete/CHB)	1.00	LS		
1002(4)	Plumbing Fixtures	1.00	LS		
1002(24)	Cold Water Lines	1.00	LS		
1003(1)a1	Ceiling, Metal Frame, Fiber Cement Board	315.40	sq.m		
1004(4)2	Finishing Hardwares	1.00	LS		
1005(1)	Residential Casement (Steel)	31.44	sq.m		
1005(4)	Awning Ventilator (Steel)	29.52	sq.m		
1043(2)	Flush Doors and Frames	7.00	set		
1010(2)b	Panel Doors and Frames	16.08	Sq.m.		
1011(1)a	Roll-up Door	5.00	set		
1013(2)	Fabricated Metal Roofing Accessory	48.80	Ln.m.		

	(Flashing)				
1014(1)b2	Pre-painted Metal Sheets, Rib Type, Long Span	137.46	sq.m		
1016(1)a	Waterproofing (Cement Base)	148.80	sq.m		
1018(1)	Glazed Tiles and Trims	60.34	sq.m		
1018(2)	Unglazed Tiles	18.00	sq.m		
1021(1)a	Cement Floor Finish (Plain)	480.84	sq.m		
1027(1)	Cement Plaster Finish	1,038.28	sq.m		
1032(1)a	Painting Works (Masonry/Concrete)	977.78	sq.m		
1032(1)b	Painting Works (Wooden doors & Jambes)	61.76	sq.m		
1032(1)c	Painting Works (Steel, Railings)	24.30	sq.m		
1046(2)a1	CHB Non-Load Bearing (including RSB) 100mm (Interior Walls)	182.98	sq.m		
1046(2)a2	CHB Non-Load Bearing (Including RSB) 150mm	170.89	sq.m		
1047(8)	Structural Steel (Roof Framing)	1.00	LS		
1051(5)	Railings	1.00	LS		
1100(10)	Conduits, Boxes and Fittings	1.00	LS		
1101(33)	Wires and Wiring Devices	1.00	LS		
1102(1)	Panel Board with Main and Branch Breakers	1.00	LS		
1103(1)	Lighting Fixtures and Lamps	1.00	LS		
B.1	Offices, Shops and Workmens Accommodation for the Contractor	1.00	LS		
B.3	Permits and Clearances	1.00	LS		
B.5	Project Billboard/Signboard	1.00	each		
B.7(2)	Occupational Safety and Health Program	1.00	LS		
B.16	Recognition Plate/Marker	1	LS		
	<b>SUB TOTAL:</b>				
	<b>TOTAL ESTIMATED (DIRECT + INDIRECT) COST:</b>				

Prepared by:

\_\_\_\_\_  
Civil Engineer

PRC NO.:

PTR NO.:

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

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

Submitted by:

\_\_\_\_\_  
Contractor's Representative

### Unit Price Analysis

Job : **Improvement of Motorpool and Facilities**

Pay Item : Clearing and Grubbing

Cost ID : 800(2)

Productivity Rate: \_\_\_\_\_ LS

QTY **1.00** LS  
489.00 Sq.m.

\_\_\_\_\_ HR.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
<p><b>NOTE:</b></p> <ol style="list-style-type: none"> <li>1. Clearing of the building area from any materials stock piles that are not necessary usefull to the project.</li> <li>2. All materials shall be accounted and turn over to the University prior to the clearing activity.</li> <li>3. All disposable waste materials shall be dump on areas directed by the PPSDS Personnel.</li> <li>4. All laborers shall be equipped with PPE before they are allowed to work.</li> </ol> <p>other debris from the construction.</p>				
<b>SUB-TOTAL (A)</b>				
<b>B. LABOR COST</b>	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman Unskilled				
<b>SUB - TOTAL (B)</b>				
<b>C. EQUIPMENT COST</b>	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
Dump Truck, (5 Cu.m. Capacity)	1			
<b>SUB - TOTAL (C)</b>				
<b>D. D. TOTAL DIRECT COST (A + B + C)</b>				
ADD: INDIRECT COST				
<b>E. E. TOTAL INDIRECT COST</b>				
TOTAL COST (D + E)				
UNIT COST				

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay : Removal of Structures & Obstruction  
 Item :  
 Cost ID : 801(1)  
 QTY **1.00 LS**

Productivity Rate: \_\_\_\_\_ LS  
 Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Scope:	Consumables(Cutting Disc, Grinding disc, Chisels,googles, etc.) 1. Chipping of existing column and beams for the construction joint. 2. Removal of portion of existing column at the location of mezzanine floor. 3. Removal of existing concrete structure for the location of structural parts, pipes lines and others. 4. Verify at the actual site for more details.	LS	1.00		
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
A. Removal of Structures & Obstruction Leadman Unskilled					
B. Hauling of Debris From Removed Materials Driver Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
Portable Jack Hammer		1			
Dump Truck, 5.0 cu.m Capacity		1			
Minor Tools (grinder, chipping tools,etc)					
SUB - TOTAL (C)					
D. D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. E. TOTAL INDIRECT COST					
					_____
					TOTAL COST (D + E)
					UNIT COST



**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Structure Excavation (Common Soil)

Cost ID : 803(1)a

Productivity Rate: \_\_\_\_\_ cu.m/hr  
 \_\_\_\_\_ Hr.

QTY **84.38** cu.m

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Column footings, wall footings, Tie beams, septic vault, oil waste tank, pipe lines, etc. NOTE: 1. Deep excavation on sandy soil shall be provided with shoring.				
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman				
Skilled				
Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	No. of Eqpt.	Hours		
Water Pump (Subject for deletion if water level is below footing grade)	1.00			
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
ADD: INDIRECT COST				
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b>				_____
<b>UNIT COST</b>				

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Embankment From Borrow

Cost ID : 804(1)a

Productivity Rate: \_\_\_\_\_ cu.m/hr  
 \_\_\_\_\_ Hr.

QTY **141.00** cu.m

A. MATERIALS : COST/UNIT				
	UNIT	QTY	UNIT PRICE	TOTAL COST
Mixed Sand and Gravel w/ 20% Shrinkage factor NOTE: Delivery of borrow materials shall be recorded by the supervising engineer in coordination to the PPSDS office.  NOTE: 1. The actual quantity of borrow materials shall be determined after backfilling is done. 2. This item shall include compaction to attain the 20 % Shrikage. No compaction No concrete pouring on SOG. 3. This include labor for backfilling of excavated soil.	cu.m	141.00		
SUB-TOTAL (A)				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Backfilling Leadman Unskilled Compaction Unskilled				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
Plate Compactor, Gas Engine 400-500	1			
SUB - TOTAL (C)				
D. D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
E. E. TOTAL INDIRECT COST				
				_____
				TOTAL COST (D + E)
				UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Structural Concrete (Ramp,Stair,Canopy) Class "A" Mixture, 28 days  
 Cost ID : 900(1)c1 Productivity Rate: \_\_\_\_\_ cu.m/hr  
 QTY **6.25 cu.m** \_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Portland Cement, 40kg/bag	bags	54.00		No Cost
Screend Sand, S-1	cu.m	4.00		
Screened Gravel, G-1 3/4"	cu.m	7.00		
NOTE: The cement shall be provided by the University.				

**SUB-TOTAL (A)**

B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman				
Skilled				
Unskilled				

**SUB - TOTAL (B)**

C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
One Bagger Mixer	1			
Concerete Vibrator	1			

**SUB - TOTAL (C)**

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

ADD: INDIRECT COST

**E. E. TOTAL INDIRECT COST**

TOTAL COST (D + E)

UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Structural Concrete (Footing, Slab on Fill) Class "A" Mixture, 28 days  
 Cost ID : 900(1)c2 Productivity Rate: \_\_\_\_\_ cu.m/hr  
 QTY **53.76 cu.m** \_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Portland Cement, 40kg/bag		bags	457.00		No Cost
Screened Sand, S-1		cu.m	4		
Screened Gravel, G-1 (max.3/4")		cu.m	6		
Note: 1. Concrete Mixture shall be 1:2:3. 2. Maximum slump of mixture shall be 100mm. Concrete mixture shall be poured before 1 hour. 3. The area to be poured shall be filled with gravel and compacted. 4. Slab thickness shall not be less than 100mm thick. 5. Rebar cover shall be 75mm and it shall be checked before pouring. 6. Wall footing can be replaced by Tie Beam which ever is suitable on the area.					
F1:	1.35				
F2:	6.48				
SOG:	39.12				
WF:	2.37				
S4/7:	0.53				
SOG	3.91				
Front:					
<b>TOTAL:</b>	<b>53.76</b>	<b>Cu.m.</b>			
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
One Bagger Mixer		1			
Concrete Vibrator		1			
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. TOTAL INDIRECT COST					
TOTAL COST (D+E)					_____
UNIT COST					



**Unit Price Analysis**

Job : **Improvement of Motorpool Building**

Pay Item : Structural Concrete (Column), Class "A" Mixture, 28 days

Cost ID : 900(1)c4

Productivity

Rate: \_\_\_\_\_ cu.m/hr

QTY **13.71** **cu.m**

\_\_\_\_\_  
Hr.

A. MATERIALS : COST/UNIT			UNIT	QTY	UNIT PRICE	TOTAL COST
Portland Cement, 40 kg/bag			bags	124.00		No Cost
Screened Sand, S-1			cu.m	9.00		
Screened Gravel, G-1 (maximum Size of gravel, 3/4")			cu.m	14.00		
Note: Cements on this item shall be provided by the NVSU.						
C1-1:	0.56	1.00				
C2-3:	1.67	3.00				
C3-12:	2.88	12.00				
C-Retrofit:	6.12	17.00				
Stair						
RCWall:	0.33	33.00				
Col. Ext:	1.51					
Col ext @ roof:	0.63					
<b>TOTAL:</b>	<b>13.70</b>	<b>Cu.m.</b>				
<b>SUB-TOTAL (A)</b>						
B. LABOR COST			QTY		Hourly Rate	Total Cost
			No. Personnel	Hours		
Leadman						
Skilled						
Unskilled						
<b>SUB - TOTAL (B)</b>						
C. EQUIPMENT COST			QTY		Hourly Rate	Total Cost
			Equipt.	Hours		
One Bagger Mixer			1			
Concrete Vibrator/Minor Tools/etc.			1			
<b>SUB - TOTAL (C)</b>						
<b>D. TOTAL DIRECT COST (A + B + C)</b>						
ADD: INDIRECT COST						
<b>E. TOTAL INDIRECT COST</b>						
<b>TOTAL COST (D + E)</b>						_____
<b>UNIT COST</b>						

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Panel Doors and Frames

Cost ID : 1010(2)b

Productivity Rate: Sq.m./Hr.  
Hr.

QTY **16.080** **Sq.m.**  
6.00 Set

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Wood Panel Door w/ Jamb(D1) 0.8m x 2.0m (2 set)		Set	2		
Two Leaf Wood Panel Door w/ Jamb (D2- 2.0m x 2.0m, 2 sets)		Set	2		
Two Leaf Wood Panel Door w/ Jamb (D3- 1.6m x 2.0m, 1 sets)		Set	1		
Wood Panel Door w/ Jamb (D4-0.8 x 2.1, 1 set)		set	1		
Consumables		LS	1		
NOTE:	1. This include installation of jambs, finishing hardwares, and doors. 2. Jamb shall be set true to line and level with proper support before plastering is performed. 3. Jambs shall be free from dammages and other wood imperfections. It shall be dried wood. 4. Doors shall be locally fabricated tanguile or G-Melina w/ no defects. It should also be dried wood. 5. Doors shall be installed by a skilled carpenter with good workmanship. 6. Jambs shall be 2" x 5" Tanguile or Equivalent.				
<b>SUB-TOTAL (A)</b>					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					
<b>SUB - TOTAL (B)</b>					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
Minor Tools (Planer, Electric Drill, etc.)		LS			

SUB - TOTAL (C)	
D. TOTAL DIRECT COST (A + B + C)	
ADD: INDIRECT COST	
E. TOTAL INDIRECT COST	
	TOTAL COST (D + E) <hr/>
	UNIT COST



**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Roll-up Door

Cost ID : 1011(1)a

Productivity Rate: \_\_\_\_\_ Set/Hr.  
 \_\_\_\_\_ Hr.

QTY **5.000 set**

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
<b>Furnishing and Installation of Roll up Door:                      (Manually Operated)</b> 1. Double Panel Roll-Up Door w/ Galvalume Gauge # 20 Shutter Slats and Removable Midpost and other accessories. Height = 4.10m (Verify the actual dimension before fabrications) Width= ± 5.70m With lockset and padlock holder With optional slats and operation holes		sets	5		
2. Consumbales (Drill Bit, Anchoring materials, etc.)  NOTE: The material unit cost shall include equipment rental for installation at site.		LS	1		
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
For installation only:					
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
Included in the material cost.					
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM					
2. Contractor's Profit					
3. 5 % VAT					
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

**Unit Price Analysis**

Job	<b>: Improvement of Motorpool and Facilities</b>		
Pay Item	: Structural Concrete (Suspended Slab), Class "A", 28 days		
Cost ID	: 900(1)c5	Productivity Rate:	_____ cu.m/hr
QTY	<b>15.60</b>	cu.m	_____ Hr.

A. MATERIALS: COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Portland Cement, 40kg/bag	bags	133		No Cost
Sahara Cement	bags	50		
Screened Sand, S-1	cu.m	10		
Screened Gravel, G-1 (3/4")	cu.m	16		
Steel Deck #1.0mm x 0.452m x 3.0m (Verify on site)	pc	Verify		No Cost
Steel #1.0mm x 0.452m x 1.5m	pc	Verify		No Cost
Consumables (for steel deck anchored, Pails, etc.)	LS	1		
Scope:	10.38	Mezzanine floor		
	3.46	Roof Cantilever Slab		
	0.42	Office entrance Shed		
	1.34	Stair Landing, Stair and Stair Slab		
<b>TOTAL</b>	<b>15.60</b>	<b>Cu.m.</b>		
<b>NOTE:</b>	1. Steel deck shall be provided by the university. Verify the length before constructing MF beams. 2. Sahara cement shall be use at the mezanine CR floor and cantilever slab at the roof deck. 3. The 133 bags of cement shall be provided by the university.			
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Labor Cost include installation of steeldeck.				
Leadman				
Skilled				
Unskilled				
<b>SUB - TOTAL (B)</b>				

C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
One Bagger Mixer	1			
Concrete Vibrator/Minor Tools/etc.	1			
SUB - TOTAL (C)				
D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
E. TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Structural Concrete (Beams, Girders, Cantilever Beams), Class A, 28 days

Cost ID : 900(1)c6

Productivity Rate: \_\_\_\_\_ cu.m/hr

QTY **16.95** cu.m

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Portland Cement, 40 kg /bag		bags	68.00		No Cost
Portland Cement, 40 kg /bag (Actual Cement - 145 bags)		bags	77.00		
Screened Sand, S-1		cu.m	11.00		
Screened Gravel, G-1 (3/4")		cu.m	17.00		
Scope:	3.47 B-1, 3.1				
	2.40 B-1, 3				
	0.51 B-1, 1.6				
	0.48 CB-1				
	0.29 CB-2				
	4.44 RB, 6.2				
	0.52 RB, 1.6				
	3.42 RB, 6.0				
	1.42 Bond Beam				
		This shall be place at the endwall above roof beam. Dim. Shall be 125x200mm.			
<b>TOTAL</b>	<b>16.95</b>	<b>Cu.m.</b>			
The 68 bags of cement will provide by the contractor.					
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipmt.	Hours		
One Bagger Mixer		1			
concrete Vibrator/Minor Tools/etc.		1			
SUB - TOTAL (C)					

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

ADD: INDIRECT COST

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Reinforcing Steel (Deformed, Grade 40)  
 Cost ID : 902(1)a Productivity Rate: \_\_\_\_\_ kg/hr  
 QTY **12,145.48** kg \_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Contractor Counterpart:					
840.00	10mm Ø RSB x 6.0m, Grade 33	kg	3,104.64		
163.00	12mm Ø RSB x 6.0m, Grade 40	kg	868.46		
	GI Tie Wire, #16	kg	312.00		
	Consumables, (rust remover, Disc Cutter 14" Ø & H-Saw) blade	LS	1.00		
<b>NVSU Counterpart (This are available at the site)</b>					
588.00	10mm Ø RSB x 6.0m	kg	2,173.25		No Cost
195.00	12mm Ø RSB x 6.0m	kg	1,038.96		No Cost
236.00	16mm Ø RSB x 6.0m	kg	2,235.86		No Cost
95.00	16mm Ø RSB x 7.5m	kg	1,125.04		No Cost
108.00	20mm Ø RSB x 6.0m	kg	1,599.26		No Cost
NOTE: 1. Always verify plans and DUPA before placing and cutting rebars. 2. The contractor counterpart quantity shall be delivered at site with the actual number. It shall be recorded at the entrance gate of the university. 3. All rebars shall be placed with the allowable concrete cover and other code requirements. 4. All rebars to be provided shall be Steel Asia of standard size.					
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
This includes fabrication & installation					
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
Cut-off Machine/Bar cutter		1			
Bar Bender/Minor Tools, etc.					
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Formworks and Falseworks (Columns, Beams, Slab, Stair, Canopy)

Cost ID : 903(2) Productivity Rate: \_\_\_\_\_ sq.m/hr

QTY **1.000 LS** Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Phenolic Board, 3/4"x4'x 8' ( 3 usage)		pc	40		
Good Lumber, 2" x 2"x 12 (G-melina or equivalent)		bd.ft.	480		
Assorted CW Nails		kg	20		
Consumables (Tie Wire # 16, etc.)		LS	1		
Scope:					
Col. Retrofit:	76.50				
C-1,C-2,C-3:	22.68				
Tie Beams	61.76				
B-1	90.00				
RB	98.07				
Mezzanine floor:	106.80				
Cantelever Floor Slab:	36.80				
	<b>492.61</b>	<b>Sq.m.</b>			
<b>SUB-TOTAL (A)</b>					
B. LABOR COST	QTY		Hourly Rate	Total Cost	
	No. Personnel	Hours			
Fabrication and Installation					
Leadman					
Skilled (Carpenter)					
Unskilled					
Stripping					
Leadman					
Unskilled					
<b>SUB - TOTAL (B)</b>					

C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
Scaffoldings sets and Form Accessories: H-Frames set, Assorted GI Pipes w/ Clamps, Shoring Jacks sets, Tie Rods w/ Customiced rod & wing Nut, assorted C-purlins/l-beams, Ladders, etc.)  Scaffoldings and Form Accessories shall be rental basis as set. It shall be available during the duration of the project.  Note:	1			
SUB - TOTAL (C)				
D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
E. TOTAL INDIRECT COST				
TOTAL COST (D + E)				
UNIT COST				



**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Soil Poisoning

Cost ID : 1000(1)

Productivity Rate: \_\_\_\_\_ Litter/hr

QTY **2.000** **lit**  
250.00 Liter (Mixture)/Liter

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT					UNIT	QTY	UNIT PRICE	TOTAL COST
D-Fence Soil Termicide					Litter	2		
Note: 1. The application of this shall be at the interior and 1m exterior from the wall. 2. Refer to the product direction for the proper applications. 3. Follow the safety precautions in applying this products.								
SUB-TOTAL (A)								
B. LABOR COST					QTY		Hourly Rate	Total Cost
					No. Personnel	Hours		
Leadman Unskilled								
SUB - TOTAL (B)								
C. EQUIPMENT COST					QTY		Hourly Rate	Total Cost
					Eqipt.	Hours		
Sprayer					1			
SUB - TOTAL (C)								
D. TOTAL DIRECT COST (A + B + C)								
ADD: INDIRECT COST								
E. TOTAL INDIRECT COST								
							TOTAL COST (D + E)	
							UNIT COST	

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Sewer Line Works

Cost ID : 1000(1)

Productivity

Rate: \_\_\_\_\_ Ln.m./Hr.

QTY                    **1.000**      **LS**  
                                  105.00      LN.m.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
PVC Pipe, 4" Ø x 3.0 series 1000		pcs	15.00		
PVC Pipe 2" Ø x 3.0m series 1000		pcs	20.00		
PVC Wye, 4" Ø x 4" Ø		pcs	10.00		
PVC Wye, 4" Ø x 2" Ø		pcs	14.00		
PVC Wye, 2" Ø x 2" Ø		pcs	4.00		
PVC Bend, 45 deg. X 4" Ø		pcs	12.00		
PVC Bend, 45 deg. X 2" Ø		pcs	6.00		
PVC Elbow, 4" Øx90 °		pcs	4.00		
PVC Elbow, 2" Øx90 °		pcs	24.00		
PVC Cleanout w/ Plug, 4" Ø		pcs	10.00		
PVC Cleanout w/ Plug, 2" Ø		pcs	8.00		
PVC Tee, 2" Ø		pcs	20.00		
PVC P-Trap, 2" Ø		pcs	20.00		
PVC Bushing Reducer, 4"Ø x 2" Ø		pcs	2.00		
Solvent Cement 400cc		can	6.00		
Consumables (Other fittings and accessories, etc)		LS	1.00		
<p>NOTE:            1. All pipes &amp; fittings to be provided shall be series 1000 and it will be subject to hammer test upon delivery.</p> <p>                     2. No pipes be installed with prior approval of the NVSU project in charge.</p> <p>                     3. All plumbing works shall be done by a plumber in a good workmanship.</p>					
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipmt. LS	Hours		
Minor Tools (Pipe Cutter, etc.)					
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Pipes with Fittings and Connections

Cost ID : 1001(10)

Productivity Rate: \_\_\_\_\_ Ln.m./Hr

QTY **1.000 LS**

\_\_\_\_\_ Hr.

45.00 Ln.m.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Scope:	Furnishing & Installation of Oil Waste pipe lines to vaults and drainage trench:				
	PVC Pipe, 4" ø x 3.0m series 1000	pc	15.00		
	PVC Pipe, 2" ø x 3.0m series 1000	pc	10.00		
	PVC Wye Reducer, 4" ø x 50mm ø series 1000	pc	10.00		
	PVC SB Tee, 4" ø series 1000	pc	2.00		
	PVC Elbow, 2" ø x 90 degrees	pc	15.00		
	PVC Elbow, 4" ø x 45 degrees	pc	1.00		
	PVC Elbow, 2" ø x 45 degrees	pc	2.00		
	PVC Tee, 2" ø	pc	6.00		
	Cleanout Plug w/ cover, 4" ø	set	3.00		
	Solvent Cement 400cc	pc	3.00		
	Consumables	LS	1.00		
NOTE:	All pipe installation shall be under the supervision of a Master Plumber. Pipe line shall be tested from leakage before covering. Main pipe line shall be laidout thru to line with slope. All pipes and fittings shall be the same brand and series 1000. Pipes shall be subject to hammer test.				
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
	Leadman				
	Skilled				
	Unskilled				
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
	Minor Tools (Pipe Cutter, etc.)	LS			
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Septic Vault (Concrete / CHB)

Cost ID : 1001(11)

Combined Productivity Rate: \_\_\_\_\_

QTY **1.000** LS

LS  
Hr.

A. MATERIALS : COST/UNIT				UNIT	QTY	UNIT PRICE	TOTAL COST
Scope: Septic Tank and Oil-Water Separator Tank and other compartments.							
	CHB, 125mm thk			pcs	634.00		
	Portland Cement, 40kg/bag			bags	75.00		
	Screened Sand, S-1			cu.m	5.00		
	Screened Gravel, G-1			cu.m	4.00		
	Sahara Cement, 2kg /bag			bags	10.00		
98.00	RSB, 10mm Ø x 6.0m			kg	362.21		
	Tie Wire, # 16			kg	8.00		
	Size:						
	Septic Tank 1:						
	CHB Wall=	28.80	Sq.m.	19.95	Sq.m.	48.75	Sq.m.
	Conc. =	2.08	Cu.m.	1.30	Cu.m.	3.38	Cu.m.
NOTE: 1. For formworks; use the salvage phenolic board & lumber from beams and columns. 2. This include plastering of interior wall face throughout the height.						8.00	For Plastering
SUB-TOTAL (A)							
B. LABOR COST				QTY		Hourly Rate	Total Cost
				No. Personnel	Hours		
Leadman							
Skilled Labor (Mason)							
Unskilled							
SUB - TOTAL (B)							
C. EQUIPMENT COST				QTY		Hourly Rate	Total Cost
				Equipt.	Hours		
One Bagger Concrete Mixer				1			
SUB - TOTAL (C)							
D. TOTAL DIRECT COST (A + B + C)							
ADD: INDIRECT COST							
E. TOTAL INDIRECT COST							
						TOTAL COST (D + E)	
						UNIT COST	

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Plumbing Fixtures

Cost ID : 1002(4)

Productivity

Rate: \_\_\_\_\_ Set/Hr.

QTY                **1.000    LS**  
                          27.00    Set

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Push Button type Water Closet w/ soap & tissue holder (HCG)	set	4.00		
Urinal (Washbrook Type)	set	3.00		
Lavatory with faucet (under counter type)	set	9.00		
Kitchen Sink (Single) with faucet (Stainless)	set	1.00		
Stainless grab Bar with complete acc. , 1 ¼" Ø (See plan)	set	2.00		
Shower Head w/ Valve, HD Stainless	set	1.00		
Stainless Floor Drain, 4" x 4"	set	10.00		
Fabricated Floor Drain, 40cm x 40cm (see notes on Plan)	set	5.00		
Consumables (Solvent, Vulcaseal, etc.)	LS	1.00		
<p>Note:</p> <ol style="list-style-type: none"> <li>1. Use uPVC P-trap for the lavatory, Kitchen Sink and including urinals. The size shall be 2" Ø .</li> <li>2. Provide vent at all lavatory's and urinals.</li> <li>3. All pipe lines shall be subject to water test leakage prior to covering all connections.</li> <li>4. provide P-trap for all floor drain, lavatory, urinals and kitchen sink.</li> <li>5. All fixtures shall include fittings and accessories.</li> </ol>				
SUB-TOTAL (A)				

B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman (Master Plumber) Skilled Labor (Plumber) Unskilled Labor				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
Minor Tools/Electric Drill/Grinder	LS			
SUB - TOTAL (C)				
D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
E. TOTAL INDIRECT COST				
TOTAL COST (D + E)				<hr/>
UNIT COST				

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Cold Water Lines Pipes & Fittings

Cost ID : 1002(24)

Productivity Rate: \_\_\_\_\_ - Ln.m./Hr.

QTY **1.000**                      **LS**  
    148.00      Ln.m.

\_\_\_\_\_  
 Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
PPR Pipe, 20mm Ø x 4.0m PN20		pc	12.00		
PPR Pipe, 25mm Ø x 4.0m PN20		pc	15.00		
PPR Pipe, 32mmØ x 4.0m PN20 (for verification on site)		pc	10.00		
PPR Gate Valve , 25mm Ø		pc	6.00		
PPR Gate Valve, 32mm Ø		pc	2.00		
PPR Elbow Reducer, 25mm Ø x 20mmØ		pc	4.00		
PPR Clip, 25mm Ø		pc	5.00		
PPR Coupling, 25mm Ø		pc	18.00		
PPR Coupling, 32mm Ø		pc	6.00		
PPR Coupling Reducer, 32mm Ø x 25mm Ø		pc	3.00		
PPR Tee Reducer, 25mm Ø x 20mm Ø		pc	26.00		
PPR Tee, 25mm Ø		pc	4.00		
Bibb type Faucet, 1/2" Ø x 150mm		pc	24.00		
Threaded Tee Adoptor, 20mm Ø		pc	28.00		
PPR Cup, 20mm Ø		pc	30.00		
Consumables (Pipe fittings and accessories not indicated)		LS	1.00		
<b>SUB-TOTAL (A)</b>					
<b>B. LABOR COST</b>		<b>QTY</b>		<b>Hourly Rate</b>	<b>Total Cost</b>
		<b>No. Personnel</b>	<b>Hours</b>		
Leadman					
Skilled					
Unskilled					
<b>SUB - TOTAL (B)</b>					
<b>C. EQUIPMENT COST</b>		<b>QTY</b>		<b>Hourly Rate</b>	<b>Total Cost</b>
		<b>Equipmt.</b>	<b>Hours</b>		
Minor Tools (Fusion Machine, pipe cutter, threader, etc.)		LS			
<b>SUB - TOTAL (C)</b>					
<b>D. TOTAL DIRECT COST (A + B + C)</b>					
ADD: INDIRECT COST					
<b>E. TOTAL INDIRECT COST</b>					
<b>TOTAL COST (D + E)</b>					
<b>UNIT COST</b>					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Ceiling, Metal Frame, Fiber Cement Board

Cost ID : 1003(1)a1

Productivity Rate: sq.m/hr  
Hr.

QTY **315.400** sq.m

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Interior Ceiling:					
C-Purlins, 1.5mm x 50mm x 100mm (Zinc Coated)	pc	20			
Carrying Channel, 0.8mm x 12mm x 38mm x 5m	pc	115			
Double Furring, 0.5mm x 19 x 50mm x 5m	pc	156			
Fiber cement Board, 4.5mm x 4' x8'	pc	86			
Welding Rod, 5kg/box	box	1			
W Clip, HD	pc	1020			
Blind Rivet, 1/8 x 20mm-1000pc/box	box	14			
Drill Bit, Assorted (Concrete and Steel)	pc	12			
Ficem Screw/Black Screw for metal, 500pc/box	box	6			
Concrete Nail, 1"	kg	3			
Consumables	LS	1			
Exterior Ceiling:					
Metal Spandrel Perforated, 4mm thick x 4" x 1.20m.	pc	202			
U Moulding, 0.5mm x 50mm x50mm x 8"	pc	9			
Fascia Cover, 0.50mm x 200mmx2.40m	pc	9			
Black Screw for metal, 500pc/box	Box	1			
Blind Rivet, 1/8 x 20mm - 1000pc/box	box	6			
Concrete Nail, 1"	Kg	0.5			
NOTE:					
1. C-purlins shall be perpendicular to the bottom chord to serve as hanger bar for carrying channel.					
2. Use double furring for anchorage on beams instead of wall angle w/ tox and screw space @ 0.30m.					
3. Carrying Channel shall be installed perpendicular to the C-purlins and shall be spaced @ 0.61m o.c.					
4. Double Metal Furring shall be installed perpendicular to the carrying channel spaced @ 0.40m o.o.					
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					



SUB - TOTAL (B)				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
Scaffoldings, Rental Basis (H-Frames Sets) Minor Tools/Electric Drills/Grinder, etc.	1			
	LS			
SUB - TOTAL (C)				
D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
E. TOTAL INDIRECT COST				
TOTAL COST (D + E)				<hr/>
UNIT COST				

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Finishing Hardware

Cost ID : 1004(4)2

Productivity Rate: Hr. \_\_\_\_\_

QTY **1.000 LS**  
71.00 set

A. MATERIALS : COST/UNIT				
	UNIT	QTY	UNIT PRICE	TOTAL COST
Yale Loose Pin Hinges, 4" x 4"	set	48.00		
Kwikset Original Doorknob Lockset	set	13.00		
Yale Lever Type Door Lockset	set	5.00		
Fabricated Steel Barrel Bolt, as per sample	set	5.00		
Surface & Cane Bolt (Head & Foot Bolt)- Std Universal Strike	set	3.00		
Consumables (Screws, Assorted CW Nail, bits, etc.)	LS	1.00		
NOTE: All doors shall be provided with three hinges complete with HD screws.				
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
The labor for the installation of this items is included in the installation of doors.				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
ADD: INDIRECT COST				
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b>				_____
<b>UNIT COST</b>				

Unit Price Analysis					
Job	: Improvement of Motorpool and Facilities				
Pay Item	: Residential Casement (Steel)				
Cost ID	: 1004(4)2				
QTY	<b>31.440</b>	<b>sq.m</b>	Productivity Rate:	<u>0.75</u> Sq/Hr.	
	9.00	Set		<u>41.92</u> Hr.	
A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
1. Steel 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 - 8 sets ), (W2 - 1 set )		Sq.m.	31.44		
2. Consumables (Welding Rods, Grinding Disc, etc.)		LS	1		
NOTE:		1. This item include painting. Window frames and grill shall painted with epoxy metal primer & finish with QDE black or any approved color.			
		2. Labor for fabrication and painting is included in the material unit cost.			
		3. Final coating of paints shall be done after plastering.			
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Labor for Installation only:					
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipmt.	Hours		
Welding Machine (Use the welding machine included in the RFW)					No Cost
Minor Tools (% of Labor Cost)		LS			
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. TOTAL INDIRECT COST					
				TOTAL COST (D + E)	
				UNIT COST	

Unit Price Analysis																																																
Job : <b>Improvement of Motorpool and Facilities</b>																																																
Pay Item : Awning Ventilator																																																
Cost ID : 1004(4)2																																																
Productivity Rate: _____ Sq.m./Hr.																																																
QTY <b>29.520 sq.m</b>																																																
21.00 Set																																																
<b>A. MATERIALS : COST/UNIT</b>																																																
<table border="1"> <thead> <tr> <th>UNIT</th> <th>QTY</th> <th>UNIT PRICE</th> <th>TOTAL COST</th> </tr> </thead> <tbody> <tr> <td colspan="4">Scope: Furnishing, Installation and painting of fabricated Awning windows.</td> </tr> <tr> <td>sq.m</td> <td>29.52</td> <td></td> <td></td> </tr> <tr> <td>LS</td> <td>1</td> <td></td> <td></td> </tr> <tr> <td colspan="4">           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 frames            2. Consumables (Welding Rods, Grinding Disc, etc.)            (W3 - 12 sets ),(W4 - 4 sets ),(W5- 1 set),(W6- 1 set)            (W7- 2 sets), (W8- 1 set)         </td> </tr> <tr> <td>W3</td> <td>23.04</td> <td></td> <td></td> </tr> <tr> <td>W4</td> <td>3.84</td> <td></td> <td></td> </tr> <tr> <td>W5</td> <td>0.96</td> <td></td> <td></td> </tr> <tr> <td>W6</td> <td>0.96</td> <td></td> <td></td> </tr> <tr> <td>W7</td> <td>0.48</td> <td></td> <td></td> </tr> <tr> <td>W8</td> <td>0.24</td> <td><b>29.52</b></td> <td></td> </tr> </tbody> </table>					UNIT	QTY	UNIT PRICE	TOTAL COST	Scope: Furnishing, Installation and painting of fabricated Awning windows.				sq.m	29.52			LS	1			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 frames 2. Consumables (Welding Rods, Grinding Disc, etc.) (W3 - 12 sets ),(W4 - 4 sets ),(W5- 1 set),(W6- 1 set) (W7- 2 sets), (W8- 1 set)				W3	23.04			W4	3.84			W5	0.96			W6	0.96			W7	0.48			W8	0.24	<b>29.52</b>	
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<b>SUB-TOTAL (A)</b>																																																
<b>B. LABOR COST</b>																																																
		QTY		Hourly	Total																																											
		No. Personnel	Hours	Rate	Cost																																											
For Installation only:																																																
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		QTY		Hourly	Total																																											
		Equipt.	Hours	Rate	Cost																																											
Welding Machine (Use welding Machine included in RFW)					No Cost																																											
Minor Tools																																																

SUB - TOTAL (C)

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

ADD: INDIRECT COST

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

Unit Price Analysis					
Job	: <b>Improvement of Motorpool and Facilities</b>				
Pay	: Flush Doors and Frames				
Item					
Cost ID	: 10432)	Combined			
QTY	<b>7.000</b>	<b>set</b>	Productivity Rate: _____	Sq.m./hr	
	9.20	Sq.m.	_____	Hr.	
A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Furnishing of Swing Type:					
1. Fabricated Flush Door w/ Jamb (D-5-0.80x2.0)		Set	1		
2. Fabricated Flush Door w/ Jamb (D-5-0.70x2.0)		set	2		
3. Fabricated Flush Door w/ Jamb (D-5-0.60x2.0)		Set	4		
4. Consumables		LS	1		
D-5 0.80mx2.0 1 unit					
D-6 0.70mx2.0 2 unit					
D-7 0.60mx2.0 4 units					
<b>9.2 Sq.m.</b>					
NOTE:	1. Doors shall be framed with 2"x3" Tanguile or equivalent w/ marine plywood on both side. Provide metal fabricated vent. Use 3mm flat bar spaced at 1.50cm.				
	2. Door jambs shall be 2"x5" Tanguile or equivalent.				
SUB-TOTAL (A)					
B. LABOR COST	QTY		Hourly Rate	Total Cost	
	No. Personnel	Hours			
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost	
	Equipmt.	Hours			
Minor Tools (Planer, Sander, etc.)					
SUB - TOTAL (C)					

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

ADD: INDIRECT COST

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Panel Doors and Frames

Cost ID : 1010(2)b

Productivity Rate:

Sq.m./Hr.

QTY **16.080** **Sq.m.**  
6.00 Set

Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Wood Panel Door w/ Jamb(D1) 0.8m x 2.0m (2 set)	Set	2		
Two Leaf Wood Panel Door w/ Jamb (D2-2.0m x 2.0m, 2 sets)	Set	2		
Two Leaf Wood Panel Door w/ Jamb (D3-1.6m x 2.0m, 1 sets)	Set	1		
Wood Panel Door w/ Jamb (D4-0.8 x 2.1, 1 set)	set	1		
Consumables	LS	1		
<p>NOTE: 1. This include installation of jambs, finishing hardwares, and doors.                      2. Jamb shall be set true to line and level with proper support before plastering is performed.                      3. Jambs shall be free from dammagages and other wood imperfections. It shall be dried wood.                      4. Doors shall be locally fabricated tanguile or G-Melina w/ no defects. It should also be dried wood.                      5. Doors shall be installed by a skilled carpenter with good workmanship.                      6. Jambs shall be 2" x 5" Tanguile or Equivalent.</p>				
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman				
Skilled				
Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Eqipt.	Hours		
Minor Tools (Planer, Electric Drill, etc.)	LS			
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
ADD: INDIRECT COST				
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b>				
<b>UNIT COST</b>				



**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Roll-up Door

Cost ID : 1011(1)a

Productivity Rate: \_\_\_\_\_ Set/Hr.

QTY **5.000** set

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT					UNIT	QTY	UNIT PRICE	TOTAL COST
<b>Furnishing and Installation of Roll up Door: (Manually Operated)</b>								
1. Double Panel Roll-Up Door w/ Galvalume Gauge # 20 Shutter Slats and Removable Midpost and other accessories. Height = 4.10m (Verify the actual dimension ± before fabrications) Width= 5.70m With lockset and padlock holder With optional slats and operation holes					sets	5		
2. Consumables (Drill Bit, Anchoring materials, etc.) NOTE: The material unit cost shall include equipment rental for installation at site.					LS	1		
SUB-TOTAL (A)								
B. LABOR COST					QTY		Hourly Rate	Total Cost
					No. Personnel	Hours		
For installation only: Leadman Skilled Unskilled								
SUB - TOTAL (B)								
C. EQUIPMENT COST					QTY		Hourly Rate	Total Cost
					Equipmt.	Hours		
Included in the material cost.								
SUB - TOTAL (C)								
D. TOTAL DIRECT COST (A + B + C)								
ADD: INDIRECT COST								
1. OCM								
2. Contractor's Profit								
3. 5 % VAT								
E. TOTAL INDIRECT COST								
TOTAL COST (D + E)								_____
UNIT COST								

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Fabricated Metal Roofing Accessory (Flashing)

Cost ID : 1013 (2)

Productivity Rate: \_\_\_\_\_ Ln.m/Hr.  
 \_\_\_\_\_ Hr.

QTY **48.800** Ln.m.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Scope:	Furnishing and installtion of flashing. Pre-painted Flashing, 0.60mm x 300 (Spanish Type)	pcs	22		
	Blind Rivet, 1x8" x 12mm 1000pc/box	box	1		
	Consumables (Tek screws, Vulcaseal, Touch Paints, etc.)	LS	1		
Note:	Flashing shall be installed by skilled laborers in good workmanship. Flashing shall be properly aligned throughout the length.				
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
	Leadman				
	Skilled				
	Unskilled				
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
	Minor Tools (% of Labor Cost)				
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
E. TOTAL INDIRECT COST					
					_____
TOTAL COST (D + E)					
UNIT COST					

### Unit Price Analysis

**Job : Improvement of Motorpool and Facilities**  
**Pay Item : Pre-painted Metal Sheets, Rib Type, Long Span**  
**Cost ID : 1014(1)b2**  
**QTY 317.460 sq.m**

Productivity Rate: \_\_\_\_\_ sq.m/Hr.  
 \_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Double RIBB Type, # 0.50mm x 0.942m x 13.2m Blind Rivet, 1x8" x 12mm 1000pc/box Tek screw for metal w/ rubber, 2 ½" (350pc/box) Consumables (Drill bit, Vulcaseal, etc.) NOTE: 1. The two span with roofdeck is not included in this item of work. 2. The extended end of the roofing sheet shall be only the rear portion. 3. The shed of the frontage shall be the 1.0 meter concrete overhanged slab. 4. Provide drip mould on the catelever slab.	pcs box box LS	24 1 8 1		
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly	Total
	No. Personnel	Hours	Rate	Cost
Leadman Skilled Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly	Total
	Equipmt.	Hours	Rate	Cost
Minor Tools (% of Labor Cost)	LS			
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b> <b>ADD: INDIRECT COST</b> <ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. 5 % VAT</li> </ol>				
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b> <b>UNIT COST</b>				

### Unit Price Analysis

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Waterproofing (Cement Based)  
 Cost ID : 1016(1)a  
 Productivity Rate: 1.875 sq.m/Hr.  
 QTY **148.800** sq.m 59.52 Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Boysen Plexibond Cementitious Waterproofing Paints	gal	25.00		
Portland Cement, 40 kg/bag	bag	5.00		
Consumables (Paint Brush, Sand Paper, Steel Brush, etc)	LS	1.00		
NOTE: 1. This shall be applied on the existing roofdeck slab. All surface shall be properly clean prior to the application. 2. Water proofing shall be done with the presence of the NVSU monitoring engineer to ensure that the surface is clean and the correct application of the materials. 3. All quantity shall be provided and applied on the identified area. 4. Waterproofing shall be done by a skilled labor in a good workmanship.				
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman				
Skilled				
Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
Minor Tools (Power Spray, Mixing tools, etc.)				
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b> <b>ADD: INDIRECT COST</b> <ol style="list-style-type: none"> <li>1. OCM</li> <li>2. Contractor's Profit</li> <li>3. 5 % VAT</li> </ol>				
<b>E. TOTAL INDIRECT COST</b>				
				<b>TOTAL COST (D + E)</b> <b>UNIT COST</b>

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Glazed Tiles and Trims

Cost ID : 1018(1)

Productivity Rate: \_\_\_\_\_ sq.m/Hr.

QTY **60.340 sq.m**

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Ceramic Tile, 5mm x 30cm x 30cm - Approved color		pcs	704.00		
Tile Trim 6mm x 2.40m (match color with the tiles)		pcs	25.00		
Tile Grout, 2kg		bags	6.00		
ABC Tile Adhesive, 20kg/bag		bag	12.00		
Tile Cutting Disc , Diamond 4" Ø		pcs	2.00		
Portland Cement, 40kg/bag		bag	8.00		
Wall Area:					
	16.2				
	3.9				
	2.7				
	10.05				
Lavatory:	11.44				
@mez					
Flr	16.05				
	60.34 Sq.m.	This include CR walls, Lavatory tables & walls			
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
n skilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipmt.	Hours		
Minor Tools (% of Labor Cost)		LS			
SUB - TOTAL (C)					

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

### Unit Price Analysis

Job : **Improvement of Motorpool and Facilities**

Pay Item : Unglazed Tiles

Cost ID : 1018(2)

Productivity Rate: \_\_\_\_\_ sq.m/day

QTY **18.000 sq.m**

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
1 Ceramic Tile, 5mm x 30 x 30 (for cr floor only) approved color	pcs	220		
2 Tile Grout, 2kg/pack match with the tiles	bag	2		
3 Tile Adhesive, 25kg	bag	6		
4 Portland Cement, Holcim	bag	10		
5 Fine Sand, Wash Sand	cu.m	1		
6 Consumables (Cutting Disc, etc.)	LS	1		
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman				
Skilled				
Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
Minor Tools (% of Labor Cost)	LS			
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>ADD: INDIRECT COST</b>				
	1. OCM		_____	
	2. Contractor's Profit		_____	
	3. 5 % VAT		_____	
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b>				_____
<b>UNIT COST</b>				

### Unit Price Analysis

Job : **Improvement of Motorpool and Facilities**

Pay Item : Plain Cement Floor Finish

Cost ID : 1021(1)a

Productivity  
Rate: \_\_\_\_\_ sq.m/Hr.  
\_\_\_\_\_ Hr.

QTY **480.840** sq.m

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Portland Cement, Holcim	bags	157		
Fine Sand, Wash Sand	cu.m	12		
<p>NOTE: 1. Floor topping shall be minimum of 25cm thick.                      2. Floor finished shall be plain cement paper finished at all surfaces.                      3. Topping shall be done in a good workmanship or shall be done only by skilled labor.                      4. Floor topping on the waiting area, garage, repair area shall be done after the concrete pouring of SOG.</p> <p>Areas for Cement Plaster Finish:</p> <p style="padding-left: 40px;">Waiting Area: 45.53</p> <p style="padding-left: 40px;">Garage: 35.54 Repair Area: 215.53</p> <p style="padding-left: 40px;">Tool Panel Room: 17.33</p> <p style="padding-left: 40px;">Storage Area: 14.33</p> <p style="padding-left: 40px;">Office Area: 17.33</p> <p style="padding-left: 40px;">Stair: 5.04 Mez Floor: 127.20</p> <p style="padding-left: 40px;">Total Floor Area: <b>477.83</b></p> <p style="padding-left: 40px;">181.23</p>				
<b>SUB-TOTAL (A)</b>				



B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman Skilled Unskilled				
SUB - TOTAL (B)				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
Minor Tools (% of Labor Cost)				
SUB - TOTAL (C)				
D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM		_____	
	2. Contractor's Profit		_____	
	3. 5 % VAT		_____	
E. TOTAL INDIRECT COST				
	TOTAL COST (D + E)			_____
	UNIT COST			

Unit Price Analysis					
Job	: <b>Improvement of Motorpool and Facilities</b>				
Pay Item	: Cement Plaster Finish				
Cost ID	: 1027(1)	Productivity	Rate: _____ - sq.m/Hr.		
QTY	<b>1038.28</b> sq.m		#DIV/0! Hr.		
A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Scope: Columns, CHB Walls, door edges, window edges, and other surfaces not specified.					
Portland Cement, Holcim		bags	187.00		
Fined Sand, Wash Sand		cu.m	15.00		
NOTE:	1. Mixture shall be 1:3 and plastering thickness shall be 10-12mm minimum. 2. The 187 bags of cement shall be provided by the contractor. 3. Column and CHB Plaster shall be rough in preparation for Skim Coating.				
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
Scaffolding Rental, H-Frames Sets					
Minor Tools					
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
		1. OCM		_____	
		2. Contractor's Profit		_____	
		3. 5 % VAT		_____	
E. TOTAL INDIRECT COST					
				TOTAL COST (D + E)	
				UNIT COST	

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Painting Works (Masonry/Concrete)

Cost ID : 1032(1)a

Productivity Rate: \_\_\_\_\_ sq.m/Hr.  
 \_\_\_\_\_ Hr.

QTY **977.78** sq.m

A. MATERIALS : COST/UNIT					UNIT	QTY	UNIT PRICE	TOTAL COST
Flat Latex, White Latex (Boysen)					gal	40.00		
Semi-Gloss Latex Paint Paint (two coats) (Factory Mixed)					gal	79.00		
High Performance Acrylic Skimcoat, 20kg / bag					bag	50.00		
Thinning Solvent For Putty					set	15.00		
Consumables (Paint Brushes, Sand Papers, putty knife, etc.)					LS	1.00		
SUB-TOTAL (A)								
B. LABOR COST					QTY		Hourly Rate	Total Cost
					No. Personnel	Hours		
Leadman								
Skilled								
Unskilled								
SUB - TOTAL (B)								
C. EQUIPMENT COST					QTY		Hourly Rate	Total Cost
					Equipt.	Hours		
Scaffolding Sets and Other Minor Tools								
SUB - TOTAL (C)								
D. TOTAL DIRECT COST (A + B + C)								
ADD: INDIRECT COST								
					1. OCM		_____	
					2. Contractor's Profit		_____	
					3. 5 % VAT		_____	
E. TOTAL INDIRECT COST								
								_____
TOTAL COST (D + E)								_____
UNIT COST								_____

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Painting Works (Wooden and Jambs)

Cost ID : 1032(1)b

Productivity Rate: \_\_\_\_\_ sq.m/Hr.  
 \_\_\_\_\_ Hr.

QTY **61.7550 sq.m**

A. MATERIALS : COST/UNIT				UNIT	QTY	UNIT PRICE	TOTAL COST
	Flat Wall Enamel, White			gal	3.00		
	Quick Drying Enamel, Chocolate Brown			gal	3.00		
	Glazing Putty			gal	3.00		
	Paint Thinner			gal	1.00		
	Consumables (Paint Brush, Sand Papers, etc.)			LS	1.00		
1 set	D-1 (0.80*2.10m)	1.68					
2 set	D-2 (2.0x2.0m)	8.00					
1 set	D-3 (1.60x2.0m)	3.20					
2 set	D-4 (0.80 x 2.10m)	3.36					
1 set	D-5 (0.80x2.0m)	1.60					
2 set	D-6 (0.70x2.0m)	2.80					
4 set	D-7 (0.60x2.0m)	4.80					
		25.44		50.88	Sq.m.		
	Door Edges	1.95		1.95			
	Dorr Jambs	8.93		8.93			
				<b>61.76</b>	<b>Sq.m.</b>		
SUB-TOTAL (A)							
B. LABOR COST				QTY		Hourly Rate	Total Cost
				No. Personnel	Hours		
Leadman							
Skilled Labor (Painter)							
Unskilled Labor							
SUB - TOTAL (B)							
C. EQUIPMENT COST				QTY		Hourly Rate	Total Cost
				Eqipt.	Hours		
Minor Tools							
SUB - TOTAL (C)							
D. TOTAL DIRECT COST (A + B + C)							
ADD: INDIRECT COST							
	1. OCM					_____	
	2. Contractor's Profit					_____	
	3. 5 % VAT					_____	
E. TOTAL INDIRECT COST							
				TOTAL COST (D + E)			
				UNIT COST			

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Painting Works (Steel) Railing

Cost ID : 1032(1)c

Productivity Rate: \_\_\_\_\_ sq.m/Hr.  
 \_\_\_\_\_ Hr.

QTY **24.3000** sq.m

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Scope: Stair Railing and mezzanine floor railing					
Epoxy Metal Primer, Gray/Red (Boysen)		gal	2		
Quick Drying Enamel, Black		gal	2		
Paint Thinner		gal	2		
Consumables (Paint Brush and Grinding Disc)		LS	1		
NOTE: <ol style="list-style-type: none"> <li>1. This include only stair railing and mezzanine floor railings.</li> <li>2. Welding spot shall be grinded to a smooth finish before painting.</li> <li>3. Paint drops on flooring shall be eliminated placing floor cover before painting.</li> <li>4. Painting work shall be done by skilled painter in good workmanship.</li> <li>5. All paints shall be Boysen products. Substitutions shall be upon approval.</li> </ol>					
Area: Railings: 24.30 Sq.m. SteelDeck: 82.44 Sq.m.					
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Painter					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipmt.	Hours		
Minor Tools (% of Labor Cost)		LS			
SUB - TOTAL (C)					

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

ADD: INDIRECT COST

1. OCM

\_\_\_\_\_

2. Contractor's Profit

\_\_\_\_\_

3. 5 % VAT

\_\_\_\_\_

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

\_\_\_\_\_

UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : CHB Non-Load Bearing (Incl. RSB) 100mm (Interior Walls)

Cost ID : 1032(1)c

Productivity Rate: \_\_\_\_\_ sq.m/Hr.  
 \_\_\_\_\_ Hr.

QTY **182.98 sq.m**

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
161	CHB, 100mm thk	pcs	2379		
	Portland Cement, 40kg/bag	bag	97		
	Screened Sand, (S-1)	cu.m	9		
	RSB 10mmØ x 6.0m, Grade 33	kg	592.9		
	GI Tie Wire # 16	kg	10		
	Hacksaw Blade, 24 teeth/inch	pcs	2		
NOTE:	1. All CHB shall be laid true to line to minimized the thickness of plastering. 2. CHB rebars shall be spaced every 3 layers of CHB horizontaly and @ 0.60m vertically. 3. Dowels shall be set on column, beams, bond beams prior to the pouring of concrete. 4. This include CHB above Roof beam. 5. All CHB works shall be done in a good workmanship.				
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Leadman					
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
One-Bagger Mixer		1			
Scaffolding sets, H-Frames		LS			
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM				_____	
2. Contractor's Profit				_____	
3. 5 % VAT				_____	
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : CHB Non-Load Bearing (Incl. RSB) 125mm

Cost ID : 1032(1)c

Productivity Rate: \_\_\_\_\_ sq.m/Hr.  
 \_\_\_\_\_ Hr.

QTY **170.89** sq.m

A. MATERIALS : COST/UNIT				
	UNIT	QTY	UNIT PRICE	TOTAL COST
CHB 125mm thk, Cured and Machine Made	pcs	2,222		
Portland Cement. Holcim	bag	132		
Fined Sand, Wash Sand	cu.m	15		
149 RSB, 10mmØ x 6.0m - Grade # 33 Standard Ø	kg	554		
GI Tie Wire # 16	kg	10		
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman				
Skilled				
Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
One bagger Concrete Mixer	1			
Scaffolding Rental, H-Frames Sets				
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>ADD: INDIRECT COST</b>				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
<b>E. TOTAL INDIRECT COST</b>				
				<b>TOTAL COST (D + E)</b>
				<b>UNIT COST</b>

Page



**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Structural Steel (Roof Framing)

Cost ID : 1047(8)

Productivity Rate: \_\_\_\_\_ Kg/Hr.  
 \_\_\_\_\_ Hr.

QTY **1.0000** **LS**  
 5,412.96 kg

A. MATERIALS : COST/UNIT				UNIT	QTY	UNIT PRICE	TOTAL COST	
126	Angle bar, 6mm x 38 x 38 x 6.0m			kg	2661.12			
144	C-purlins, 1.50mm x 50 x 100 x 6.0m			kg	2246.4			
24	C-purlins, 1.50mm x 65 x 150 x 6.0m (Fascia )			kg	505.44			
	Steel Plate, 200mmx300mm			pcs	20			
	Sag rod Plain Round Bar, 12mmØ x 6.0m			pcs	15			
	Welding rod, (5kg/box)			box	10			
	Epoxy Metal primer paint, Gray			gal	10			
	Consumables ( Paint Brushes, Thinner, grinding disc & cutter)			LS	1			
	Welding Machine, Inverter Type - 300A w/ Accessories			Set	2			
	Cut-off Machine, DeWALT 355mm compl. Acc.			set	1			
	Cleats	VM	DM	TC	CB			
	5.00	16	33	33	8.00			
NOTE:	NOTE:	1. The existing two span with slab is not included in this item. Only the perimeter shed. 2. Equipment included in this item shall be turn over to the Univesity after the project.						
<b>SUB-TOTAL (A)</b>								
B. LABOR COST				QTY		Hourly Rate	Total Cost	
				No. Personnel	Hours			
Fabrication:								
Leadman								
Skilled Labor								
Unskilled Labor								
Erection:								
Skilled Labor								
Unskilled								
<b>SUB - TOTAL (B)</b>								

C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Eqipt.	Hours		
Scaffolding (Set), H-frames, GI Pipes w/ Clamps and Etc. (Rental Basis as set)	LS			
SUB - TOTAL (C)				
D. D. TOTAL DIRECT COST (A + B + C)				
ADD: INDIRECT COST				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
E. TOTAL INDIRECT COST				
	TOTAL COST (D + E)			
	UNIT COST			

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Railings

Cost ID : 1051(5)

Productivity Rate: \_\_\_\_\_ Kg/Hr.

QTY **1.0000 LS**

\_\_\_\_\_ Hr.

kg

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
18.00	GI Pipe, 1½" Ø x 6.0m Light Gauge (2.90mm thickwall)	kg	348.84		
30.00	12mm square bar (standard)	pcs	203.40		
	Welding Rod, 5kg/box	box	3.00		
	Consumables (cutting disc & grinding Disc, etc.)	LS	1.00		
NOTE:	1. Vertical GI pipe support shall be spaced @ ± 1.50 m properly embeded on beams. 2. Horizontal GI Pipe shall be located @ 50mm, 700mm and 900mm above finished floor line. It shall be securedly anchored on columns. 3. Square bar shall be standard dimension spaced @ every 10cm securedly welded on GI Pipes. 4. All quantities shall be provided at site and what ever excess shall be turnover to the university. 5. Perform the Job in a good workmanship.				
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
	Leadman				
	Skilled				
	Unskilled				
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
Note:	Welding Machine & Cut off Machine is included in roof framing work. Minor Tools, Grinder/Drill (% of Labor Cost)				
	LS				
SUB - TOTAL (C)					

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

ADD: INDIRECT COST

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

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

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UNIT COST



### Unit Price Analysis

Job : **Improvement of Motorpool and Facilities**

Pay Item : Wires and Wiring Devices

Cost ID : 1101(33)

Productivity Rate: \_\_\_\_\_ LS

QTY **1.0000 LS**

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
3-gang switch assy.	sets	3.00		
2-gang switch assy.	sets	7.00		
1-gang switch assy.	sets	9.00		
2 way switch	sets	2.00		
2-gang universal outlet assy.	sets	24.00		
Special Outlet	sets	6.00		
Special Outlet for Air-condition Unit	sets	2.00		
2.0mm <sup>2</sup> THHN cu. Wire 150m/box	box	5.00		
3.5mm <sup>2</sup> THHN cu. Wire 150m/box	box	2.00		
5.5mm <sup>2</sup> THHN cu. Wire 150m/box	box	2.00		
8.0mm <sup>2</sup> THHN/THWN cu. Wire	m	5.00		
30mm <sup>2</sup> THHN/THWN cu. Wire	m	40.00		
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman (REE/RME) Electrician Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
Minor Tools (% of Labor Cost)	LS			
<b>SUB - TOTAL (C)</b>				

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

ADD: INDIRECT COST

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

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

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UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay : Panel Board with Main and Branch Breakers  
 Item :

Cost ID : 1102(1)

Productivity  
 Rate: \_\_\_\_\_ Set/Hr.

QTY **1.0000 LS**

Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
15 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	2.00		
20 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	2.00		
30 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	8.00		
70 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair	1.00		
14 branches circuit breaker panelboard box bolt on center main	unit	1.00		
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman (REE/RME)				
Electrician				
Unskilled Labor				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipt.	Hours		
Minor Tools	LS			
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>ADD: INDIRECT COST</b>				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b>				
<b>UNIT COST</b>				



**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay : Lighting Fixtures and Lamps  
 Item :  
 Cost ID : 1103(1) Productivity Rate: \_\_\_\_\_ set/Hr.  
 QTY **1.0000** **LS** \_\_\_\_\_ Hr.  
 43.00 set

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
LED Bulb 20 watts	pcs	24.00		
Single Fixture LED Tube 18 watts complete set with reflector	sets	11.00		
Double Fixture LED Tube 18 watts complete set with reflector	sets	8.00		
<b>SUB-TOTAL (A)</b>				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
Leadman(REE/RME) Electrician Unskilled				
<b>SUB - TOTAL (B)</b>				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
Minor Tools	LS			
<b>SUB - TOTAL (C)</b>				
<b>D. TOTAL DIRECT COST (A + B + C)</b>				
<b>ADD: INDIRECT COST</b>				
	1. OCM			
	2. Contractor's Profit			
	3. 5 % VAT			
<b>E. TOTAL INDIRECT COST</b>				
<b>TOTAL COST (D + E)</b>				
<b>UNIT COST</b>				

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Offices, Shops and Workmen's Accommodation for the Contractor

Cost ID : B.1

Productivity Rate: \_\_\_\_\_ LS

QTY **1.0000 LS**

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT	UNIT	QTY	UNIT PRICE	TOTAL COST
Furnishing of materials and construction of temporary Bunkhouse complete w/ office, CR, Wash Area and other facilities needed for the personnel.  NOTE: 1. Materials to be use shall be on rental basis. 2. This shall be provided with potable water supply and electricity. Provide also Water meter and electric meter. 3. Refer to the PPSDS office for the appropriate location of this facility. 4. Bunkhouse and field office shall be removed immediately after the construction.	LS	1.00		
SUB-TOTAL (A)				
B. LABOR COST	QTY		Hourly Rate	Total Cost
	No. Personnel	Hours		
SUB - TOTAL (B)				
C. EQUIPMENT COST	QTY		Hourly Rate	Total Cost
	Equipmt.	Hours		
SUB - TOTAL (C)				

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

ADD: INDIRECT COST

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

E. TOTAL INDIRECT COST

TOTAL COST (D + E)

UNIT COST

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**  
 Pay Item : Permits and Clearances  
 Cost ID : B.3 Productivity Rate: \_\_\_\_\_ LS  
 QTY **1.0000 LS** \_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
This Include: 1. Building Permits, Ancillary Permits, Occupancy & clearances. 2. Professional Fees of PEE for the Electrical Plans. 3. As built Plan in Five Copies with signature of the supervising Engineer/Architect. 4. Plans for building permit shall be xerox by the contractor in seven copies 5. Budget for permit & clearance fees shall be 1% of the ABC Minimum.		LS	1.00		
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Liason Officer  NOTE: The liason officer shall coordinate to the PPSDS office for the Plan and other documents for this item.		1	24.00		
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM		N/A			
2. Contractor's Profit		N/A			
3. 5 % VAT					
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					
UNIT COST					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Project Billboard/Signboard

Cost ID : B.5

Productivity Rate: \_\_\_\_\_ LS

QTY **1.0000 each**

\_\_\_\_\_ Hr.

A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Tarpauline (4' x 8') w/ complete content (use standard format)		pcs	1.00		
Marine Plywood, 1/2" thick		pcs	1.00		
Lumber, 2"x2"x8'		bd.ft	32.00		
CWNails, assorted		kg	0.50		
NOTE: Other sign boards for safety information and other engineering control shall be provided on the construction site to be charge to your OCM.					
SUB-TOTAL (A)					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Skilled					
Unskilled					
SUB - TOTAL (B)					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
SUB - TOTAL (C)					
D. TOTAL DIRECT COST (A + B + C)					
ADD: INDIRECT COST					
1. OCM					
2. Contractor's Profit					
3. 5 % VAT					
E. TOTAL INDIRECT COST					
TOTAL COST (D + E)					_____
UNIT COST					

<b>Unit Price Analysis</b>					
Job : <b>Improvement of Motorpool and Facilities</b>					
Pay : Occupational Safety and Health					
Item : Occupational Safety and Health					
Cost ID : B.7(2)		Productivity Rate: _____ LS			
QTY <b>1.0000 LS</b>		Hr.			
A. MATERIALS : COST/UNIT		UNIT	QTY	UNIT PRICE	TOTAL COST
Scope: Furnishing of PPE's to all workers.					
	Safety Hard Hats (White, yellow, blue)	pcs	15		
	Safety gloves	md	150		
	Face Mask and Face Shield	LS	1		
	Caution Tape, 2" x 1000	pcs	2		
	Safety Shoes, Rental Basis	pairs	15		
	Sign Boards (Warning Sign)	sets	3		
NOTE:	1. Each laborers shall be given PPE's by the contractor to be use when at work. 2. Safety Helmet shall be turned over to the University after the completion of the project in a good conditions. 3. Road and working area safety signage shall be provided.				
<b>SUB-TOTAL (A)</b>					
B. LABOR COST		QTY		Hourly Rate	Total Cost
		No. Personnel	Hours		
Safety Officer, Part Time (Once a week reporting at site & PPSDS Office) - Safety certificate shall be submitted to the PPDSD office.		1.00			
<b>SUB - TOTAL (B)</b>					
C. EQUIPMENT COST		QTY		Hourly Rate	Total Cost
		Equipt.	Hours		
<b>SUB - TOTAL (C)</b>					
<b>D. TOTAL DIRECT COST (A + B + C)</b>					
ADD: INDIRECT COST					
	1. OCM	N/A			
	2. Contractor's Profit				
	3. 5 % VAT				
<b>E. TOTAL INDIRECT COST</b>					
<b>TOTAL COST (D + E)</b>					
<b>UNIT COST</b>					

**Unit Price Analysis**

Job : **Improvement of Motorpool and Facilities**

Pay Item : Recognition Plate/Marker

Cost ID : B.16

Productivity Rate: \_\_\_\_\_ LS

QTY **1.0000** **LS**

\_\_\_\_\_  
Hr.

A. MATERIALS : COST/UNIT					UNIT	QTY	UNIT PRICE	TOTAL COST
Furnishing & Installation of Acrylic Glass Marker complete with content and adequate support and anchorages. NOTE: 1. Refer to the PPSDS for the content to be printed on the marker and the proper location. 2. Marker shall be 6mm thick minimum.					sets	1		
SUB-TOTAL (A)								
B. LABOR COST					QTY		Hourly Rate	Total Cost
					No. Personnel	Hours		
Skilled Labor					1			
SUB - TOTAL (B)								
C. EQUIPMENT COST					QTY		Hourly Rate	Total Cost
					Equipt.	Hours		
SUB - TOTAL (C)								
D. TOTAL DIRECT COST (A + B + C)								
ADD: INDIRECT COST								
					1. OCM	N/A		
					2. Contractor's Profit			
					3. 5 % VAT			
E. TOTAL INDIRECT COST								
								_____
TOTAL COST (D + E)								
UNIT COST								

## SUMMARY SHEET

### A. LIST OF MATERIALS

NO.	MATERIAL DESCRIPTIONS	UNIT	UNIT PRICE
1	Mixed Sand and Gravel	Cu.m	
2	Portland Cement, 40kg/bag	bag	
3	Fined Sand, for plastering	cu.m	
4	Screend Sand, S-1	cu.m	
5	Screened Gravel, G-1 3/4"	cu.m	
6	10mm Ø RSB x 6.0m, Grade 33	kg	
7	12mm Ø RSB x 6.0m, Grade 40	kg	
8	GI Tie Wire, #16	kg	
9	Phenolic Board, 3/4"x4'x 8' ( 3 usage)	pc	
10	Good Lumber, 2" x 2"x 12 (G-melina or equivalent)	bd.ft.	
11	Assorted CW Nails	kg	
12	D-Fence Soil Termicide	Liter	
13	PVC Pipe, 4" ø x 3.0 series 1000	pc	
14	PVC Pipe 2" ø x 3.0m series 1000	pc	
15	PVC Wye, 4" ø x 4" ø	pc	
16	PVC Wye, 4" ø x 2" ø	pc	
17	PVC Wye, 2" ø x 2" ø	pc	
18	PVC Bend, 45 deg. X 4" ø	pc	
19	PVC Bend, 45 deg. X 2" ø	pc	
20	PVC Elbow, 4" øx90 °	pc	
21	PVC Elbow, 2" øx90 °	pc	
22	PVC Cleanout w/ Plug, 4" ø	pc	
23	PVC Cleanout w/ Plug, 2" ø	pc	
24	PVC Tee, 2" ø	pc	
25	PVC P-Trap, 2" ø	pc	
26	PVC Bushing Reducer, 4"ø x 2" ø	pc	
27	Solvent Cement 400cc	can	
28	CHB, 125mm thk	pc	
29	Sahara Cement, 2kg /bag	bag	
30	Push Button type Water Closet w/ soap & tissue holder (HCG)	set	
31	Urinal (Washbrook Type)	set	
32	Lavatory with faucet (under counter type)	set	
33	Kitchen Sink (Single) with faucet (Stainless)	set	
34	Stainless grab Bar with complete acc. , 1 ¼" ø (See plan)	set	
35	Shower Head w/ Valve, HD Stainless	set	
36	Stainless Floor Drain, 4" x 4"	set	
37	Fabricated Floor Drain, 40cm x 40cm (see notes on Plan)	set	
38	PPR Pipe, 20mm ø x 4.0m PN20	pc	
39	PPR Pipe, 25mm ø x 4.0m PN20	pc	
40	PPR Pipe, 32mmø x 4.0m PN20 (for verification on site)	pc	
41	PPR Gate Valve , 25mm ø	pc	



42	PPR Gate Valve, 32mm Ø	pc
43	PPR Elbow Reducer, 25mm Ø x 20mmØ	pc
44	PPR Clip, 25mm Ø	pc
45	PPR Coupling, 25mm Ø	pc
46	PPR Coupling, 32mm Ø	pc
47	PPR Coupling Reducer, 32mm Ø x 25mm Ø	pc
48	PPR Tee Reducer, 25mm Ø x 20mm Ø	pc
49	PPR Tee, 25mm Ø	pc
50	Bibb type Faucet, 1/2" Ø x 150mm	pc
51	Threaded Tee Adoptor, 20mm Ø	pc
52	PPR Cup, 20mm Ø	pc
53	C-Purlins, 1.5mm x 50mm x 100mm (Zinc Coated)	pc
54	Carrying Channel, 0.8mm x 12mm x 38mm x 5m	pc
55	Double Furring, 0.5mm x 19 x 50mm x 5m	pc
56	Fiber cement Board, 4.5mm x 4' x 8'	pc
57	Welding Rod, 5kg/box	box
58	W Clip, HD	pc
59	Blind Rivet, 1/8 x 20mm-1000pc/box	box
60	Drill Bit, Assorted (Concrete and Steel)	pc
61	Ficem Screw/Black Screw for metal, 500pc/box	box
62	Concrete Nail, 1"	kg
63	Metal Spandrel Perforated, 4mm thick x 4" x 1.20m.	pc
64	U Moulding, 0.5mm x 50mm x 50mm x 8"	pc
65	Fascia Cover, 0.50mm x 200mmx2.40m	pc
66	Black Screw for metal, 500pc/box	Box
67	Blind Rivet, 1/8 x 20mm - 1000pc/box	box
68	Concrete Nail, 1"	Kg
69	Yale Loose Pin Hinges, 4" x 4"	set
70	Kwikset Original Doorknob Lockset	set
71	Yale Lever Type Door Lockset	set
72	Fabricated Steel Barrel Bolt, as per sample	set
73	Surface & Cane Bolt (Head & Foot Bolt)- Std Universal Strike	set
	Steel Casement window of standard frame w/ clear glass 4mm thk, iron grills std. 12mm square bar spaced @ 0.10m o.c.	
74	Epoxy prime painted & Enamel paint finish	Sq.m.
	Awning window of standard frame w/ clear glass 4mm thk, iron grills std. 12mm square bar spaced @ 0.10m o.c. welded to flat	
75	bar 5mmx25mm frames	Sq.m.
76	Fabricated Flush Door w/ Jamb (D-5-0.80x2.0)	Set
77	Fabricated Flush Door w/ Jamb (D-5-0.70x2.0)	set
78	Fabricated Flush Door w/ Jamb (D-5-0.60x2.0)	Set
79	Wood Panel Door w/ Jamb(D1) 0.8m x 2.0m	Set
80	Two Leaf Wood Panel Door w/ Jamb (D2-2.0m x 2.0m,	Set
81	Two Leaf Wood Panel Door w/ Jamb (D3-1.6m x 2.0m,	Set
82	Wood Panel Door w/ Jamb (D4-0.8 x 2.1,	Set

	Double Panel Roll-Up Door w/ Galvalume Gauge # 20 Shutter Slats and Removable Midpost and other accessories. Height = 4.10m ; Width= 5.70 m With lockset & padlock holder With optional slats and operation holes	set
83		
84	Pre-painted Flashing, 0.60mm x 600 x 2.40m (Spanish Type)	pc
85	Blind Rivet, 1 /8" x 12mm 1000pc/box	box
86	Double RIBB Type, # 0.50mm x 0.942m x 13.2m	pcs
87	Blind Rivet, 1x8" x 12mm 1000pc/box	box
88	Tekscrew for metal w/ rubber, 2 ½" (350pc/box)	box
89	Boysen Plexibond Cementitious Waterproofing Paints	gal
90	Ceramic Tile, 5mm x 30cm x 30cm - Glazed Tile	pc
91	Ceramic Tile, 5mm x 30cm x 30cm - Unglazed Tile	pc
92	Tile Trim 6mm x 2.40m (match color with the tiles)	pc
93	Tile Grout, 2kg	bag
94	ABC Tile Adhesive, 20kg/bag	bag
95	Tile Cutting Disc , Diamond 4" Ø	pc
96	Flat Latex, White Latex (Boysen)	gal
97	Semi-Gloss Latex Paint Paint (two coats) (Factory Mixed)	gal
98	High Performance Acrylic Skimcoat, 20kg / bag	bag
99	Thinning Solvent For Putty	set
100	Flat Wall Enamel, White	gal
101	Quick Drying Enamel, Chocolate Brown	gal
102	Glazing Putty	gal
103	Paint Thinner	gal
104	Epoxy Metal Primer, Gray/Red (Boysen)	gal
105	CHB, 100mm thk	pc
106	CHB 125mm thk, Cured and Machine Made	pc
107	Hacksaw Blade, 24 teeth/inch	pc
108	Angle bar, 6mm x 38 x 38 x 6.0m	kg
109	C-purlins, 1.50mm x 50 x 100 x 6.0m	kg
110	C-purlins, 1.50mm x 65 x 150 x 6.0m (Fascia )	kg
111	Steel Plate, 200mmx300mm	pc
112	Sag rod Plain Round Bar, 12mmØ x 6.0m	pc
113	Welding Machine, Inverter Type - 300A w/ Accessories	Set
114	Cut-off Machine, DeWALT 355mm compl. Acc.	set
115	GI Pipe,1½" Ø x 6.0m Light Gauage (2.90mm thickwall)	kg
116	12mm square bar (standard)	pc
117	uPVC Electrical Conduit 20mmØ x 3.0m	pc
118	uPVC Electrical Conduit 25mmØ x 3.0m	pc
119	25mm Ø Entrance Cap	pc
120	PVC Junction Box	pc
121	PVC Utility Box	pc
122	Electrical Tape, big	pc
123	Receptacle(plastic) big 100mmØ	pc
124	3-gang switch assy.	set
125	2-gang switch assy.	set

126	1-gang switch assy.	set
127	2 way switch	set
128	2-gang universal outlet assy.	set
129	Special Outlet	set
130	Special Outlet for Air-condition Unit	set
131	2.0mm <sup>2</sup> THHN cu. Wire 150m/box	box
132	3.5mm <sup>2</sup> THHN cu. Wire 150m/box	box
133	5.5mm <sup>2</sup> THHN cu. Wire 150m/box	box
134	8.0mm <sup>2</sup> THHN/THWN cu. Wire	m
135	30mm <sup>2</sup> THHN/THWN cu. Wire	m
136	15 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair
137	20 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair
138	30 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair
139	70 Amp. Circuit Breaker, 2 pole, 230v Plug-in Type	pair
140	14 branches circuit breaker panelboard box, bolt on center main	unit
141	LED Bulb 20 watts	pc
142	Single Fixture LED Tube 18 watts complete set with reflector	set
143	Double Fixture LED Tube 18 watts complete set with reflector	set
144	Tarpauline (4' x 8') w/ complete content (use standard format)	pc
145	Marine Plywood, 1/2" thick	pc
146	Safety Hard Hats (White, yellow, blue)	pc
147	Safety gloves	md
148	Face Mask and Face Shield	LS
149	Caution Tape, 2" x 1000	pc
150	Safety Shoes, Rental Basis	pair
151	Sign Boards (Warning Sign)	set
152	Furnishing & Installation of Acrylic Glass Marker complete with content and adequate support and anchorages.	set

**B. LIST MANPOWER REQUIRED:**

	DESIGNATION	RATE PER HOUR
1	Civil Engineer	
2	Safety Officer	
3	Electrical Engineer/Master Electrician	
4	Master Plumber	
5	Construction Foreman	
6	Skilled Labor (Mason, Welder, Electrician, Plumber, etc.)	
7	Unskilled Labor	

**C. LIST OF EQUIPMENT REQUIRED (RENTAL BASIS)**

NO.	EQUIPMENT DESCRIPTION	RATE PER HOUR
1	One Bagger Concrete Mixer	
2	Sprayer (Pressurized Sprayer)	
3	Cut-off Machine/Bar cutter	
4	Bar Bender	
5	Concrete Vibrator	
6	Plate Compactor, Gas Engine 400-500	
7	Water Pump	
8	Portable Jack Hammer	
9	Dump Truck, 5.0 cu.m Capacity	
10	Electric Grinder	
11	Electric Drill	
12	H-Frame Set	
13	GI Pipes with Clamps (Rental for the Whole Project)	

Prepared by:			
		<b>Civil Engineer</b>	
PRC NO.:		Expiry Date:	_____
PTR NO.:		Date Issued:	_____

Submitted by:

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## ***Section IX. Checklist of Technical and Financial Documents***

### **Notes on the Checklist of Technical and Financial Documents**

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

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

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

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

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

#### Technical Documents

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

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

*Financial Documents*

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

*Class "B" Documents*

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

**II. FINANCIAL COMPONENT ENVELOPE**

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

*Other documentary requirements under RA No. 9184*

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

## Omnibus Sworn Statement (Revised)

*[shall be submitted with the Bid]*

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

### AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

*[Insert signatory's legal capacity]*  
Affiant

**[Jurat]**

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

## Performance Securing Declaration (Revised)

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

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

### PERFORMANCE SECURING DECLARATION

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

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

I/We, the undersigned, declare that:

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

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

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

**[Jurat]**

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

# Bid Form for the Procurement of Infrastructure Projects

*[shall be submitted with the Bid]*

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## BID FORM

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

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

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>2</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.

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

- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
  
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

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

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

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

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

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

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

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### CONTRACT AGREEMENT

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

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

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

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

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

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

*[Insert Name and Signature]*

*[Insert Name and Signature]*

*[Insert Signatory's Legal Capacity]*

*[Insert Signatory's Legal Capacity]*

for:

for:

*[Insert Procuring Entity]*

*[Insert Name of Supplier]*

### **Acknowledgment**

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

## **Bid Securing Declaration Form**

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

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

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

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

I/We, the undersigned, declare that:

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

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

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

*[Insert signatory's legal capacity]*

Affiant

### **[Jurat]**

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

