



Republic of the Philippines  
Department of Agriculture  
**AGRICULTURAL TRAINING INSTITUTE**  
**REGIONAL TRAINING CENTER 02**  
Malasin, San Mateo, Isabela 3318  
Mobile No. 0917-501-4270 | Email: rtc2.dcc@ati.da.gov.ph  
URL: <https://ati2.da.gov.ph/ati-2>; [www.e-extension.gov.ph](http://www.e-extension.gov.ph)

# **Bidding documents for the Construction of Swine Artificial Insemination sa Barangay(SWAIB) project**

**ITB-ATI-RTC 02  
2024-001  
August 21, 2024**

## **Reference:**

**Philippine Bidding Documents  
6<sup>th</sup> 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.

# TABLE OF CONTENTS

<b>Glossary of Terms, Abbreviations, and Acronyms.....</b>	<b>4</b>
<b>Section I. Invitation to Bid .....</b>	<b>6</b>
<b>Section II. Instructions to Bidders.....</b>	<b>8</b>
1. Scope of Bid.....	10
2. Funding Information .....	10
3. Bidding Requirements.....	10
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices .....	10
5. Eligible Bidders.....	10
6. Origin of Associated Goods .....	11
7. Subcontracts .....	11
8. Pre-Bid Conference.....	11
9. Clarification and Amendment of Bidding Documents.....	11
10. Documents Comprising the Bid: Eligibility and Technical Components .....	12
11. Documents Comprising the Bid: Financial Component .....	12
12. Alternative Bids .....	12
13. Bid Prices .....	13
14. Bid and Payment Currencies.....	13
15. Bid Security.....	13
16. Sealing and Marking of Bids.....	13
17. Deadline for Submission of Bids .....	13
18. Opening and Preliminary Examination of Bids .....	14
19. Detailed Evaluation and Comparison of Bids .....	14
20. Post Qualification.....	14
21. Signing of the Contract .....	14
<b>Section III. Bid Data Sheet.....</b>	<b>15</b>
<b>Section IV. General Conditions of Contract .....</b>	<b>20</b>
1. Scope of Contract.....	21
2. Sectional Completion of Works .....	21
3. Possession of Site.....	21
4. The Contractor’s Obligations.....	21
5. Performance Security .....	22
6. Site Investigation Reports .....	22
7. Warranty.....	22
8. Liability of the Contractor.....	22
9. Termination for Other Causes .....	22
10. Dayworks .....	23
11. Program of Work.....	23
12. Instructions, Inspections and Audits .....	23
13. Advance Payment.....	23
14. Progress Payments .....	23
15. Operating and Maintenance Manuals.....	23
<b>Section V. Special Conditions of Contract.....</b>	<b>25</b>
<b>Section VI. Specifications .....</b>	<b>27</b>
<b>Section VII. Drawings.....</b>	<b>29</b>

**Section VIII. Bill of Quantities ..... 42**  
**Section IX. Checklist of Technical and Financial Documents..... 43**

# 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**



Republic of the Philippines  
Department of Agriculture  
**AGRICULTURAL TRAINING INSTITUTE**  
**REGIONAL TRAINING CENTER 02**  
Malasin, San Mateo, Isabela  
Mobile No. 0917-104-9147 | E-mail: ati\_region2@yahoo.com  
URL: <http://asi.da.gov.ph/asi-2> | [www.e-extension.gov.ph](http://www.e-extension.gov.ph)

## **Invitation to Bid for the Construction of Swine Artificial Insemination sa Barangay (SWAIB) Project ITB No. ATI-RTC 02-2024-001**

1. The **Agricultural Training Institute – Regional Training Center 02 (ATI-RTC 02)**, through the **2024 General Appropriations Act** intends to apply the sum of **Three Million Three Hundred One Thousand Nine Hundred Ninety Eight Pesos and Ten Centavos Only (Php 3,301,998.10)** being the Approved Budget for the Contract (ABC) to payments under the contract for the **Construction of Swine Artificial Insemination sa Barangay (SWAIB) project with ITB No. ATI-RTC 02-2024-001**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **ATI-RTC 02** now invites bids for the above Procurement Project. Completion of the Works is required One Hundred Twenty (120) calendar days upon receipt of the Notice to Proceed. Bidders should have completed 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 ATI-RTC 02 and inspect the Bidding Documents at the address given below from 9:00AM – 4:00PM office hours.
5. A complete set of Bidding Documents may be acquired by interested bidders on **August 21, 2024** from the given address below and upon payment of a non-refundable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Five thousand pesos only (Php 5,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees either in person or through electronic means.
6. The ATI-RTC 02 will hold a Pre-Bid Conference<sup>1</sup> on **August 29, 2024; 2:00 PM** through **videoconferencing/webcasting** via which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below on or before **1:30 PM, September 11, 2024**. 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 14.
9. Bid opening shall be on **1:35 PM, September 11, 2024 at Conference Hall, Food Tech Building, ATI-RTC 02, Malasin, San Mateo, Isabela**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. Insert such other necessary information deemed relevant by the Procuring Entity such as the use of a back-up data or cloud storage for large files uploaded for online bid submissions

Bidders should comply with the applicable provisions of Section 23.4.2 of the IRR of R.A. 9184 and with a modified set of requirements integrating eligibility documents and criteria for infrastructure projects as provided in Annex E of the 2016 IRR of R.A. 9184, or the Contract Implementation Guidelines for the Procurement of Infrastructure Projects.

11. The ATI-RTC 02 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:

Honeylet S. Ramiento  
Administrative and Finance Unit  
ATI-RTC 02, Malasin, San Mateo, Isabela  
procurement.ati2@gmail.com  
0926-576-3832

13. You may visit the following websites:

For downloading of Bidding Documents:

URL:<https://ati2.da.gov.ph/ati-2/>

August 21, 2024



**VLADIMIR B. CALIGUIRAN**  
BAC Chairperson

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

## 1. **Scope of Bid**

The Procuring Entity, ATI-RTC 02 invites **Bids for the Construction of Swine Artificial Insemination Sa Barangay (SWAIB) Project, with Project Identification Number ITB-ATI-RTC 02 2024-001.**

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 2024 in the amount of **Three Million Three Hundred One Thousand Nine Hundred Ninety Eight Pesos and Ten Centavos Only (Php 3,301,998.10).**

2.2. The source of funding is: **NGA, the General Appropriations Act.**

## 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: **Subcontracting is not allowed.**

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

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and 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 special PCAB License in case of Joint Ventures, 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: **Philippine Peso**.

### **15. Bid Security**

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

15.2. The Bid and bid security shall be valid until **One Hundred Twenty (120) calendar days**. 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 **THREE COPIES** 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 15 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**



# 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: <b>Construction of climate-controlled and biosecured building facility (including waste management facility) with at least more than 50% similarities with the major work component of the project, with a contract cost of not more than Php 3,301,998.10 .</b>		
7.1	Subcontracting is not allowed		
10.3	PCAB License requirement shall be: Size Range: Medium A License Category: B Principal Classification: General Building/ General Engineering		
10.4	The key personnel must meet the required minimum years of experience set below:		
	<b>Key Personnel</b>	<b>General Experience</b>	<b>Relevant Experience</b>
	Project Manager	3 years	3 years
	Full-time Project/Site Engineer	3 years	3 years
	Electrical Engineer	3 years	3 years of experience in the installation of electrical wiring of CCF
	Agricultural Engineer	3 years of experience in waste management facilities especially on biogas installation	3 years of experience in climate-controlled facility (CCF) installation
	Structural Engineer	3 years	3 years
	Control Personnel	3 years	3 years
	Construction Foreman	3 years	3 years
	At least 10 Skilled Laborers (Registered Master Electrician, Master Plumber, Welders, Electricians, Heavy Equipment Operator, Back Hoe Operator, Grader Operator, Steelman, Mason, Lineman)	3 years	3 years
	Materials Engineer	3 years	3 years
	Safety Officer	3 years	3 years
	Sanitary Engineer	1 year	1 year
	First Aider	1 year	1 year
	Note: 1) All the Key Personnel should have applicable and prescribed General		

	<p>and Relevant Experiences in their line of specializations and have valid PRC licenses/certificates.</p> <p>2) The key personnel should meet the above-stated number of years' work experience. The experience means total years of civil works experience (of any nature in construction and engineering consultancy services) except for Materials &amp; Quality Control Engineer "Same position in Similar Works" covers overall work experience for the designated.</p> <p>3) That key personnel can be pulled out/substituted from an ongoing project, which states, among others: Suppose the proposed Key Technical personnel is an employee of the bidder and working on another project at the same time of the bidding. In that case, the bidder shall submit a certification that (1) the personnel will be pulled out from the ongoing project once the bidder is awarded the contract, and (2) he/she will be replaced with another person with equal or better qualifications, as certified by the Head of the Implementing Office.</p> <p>The bidder may propose a Key Technical Personnel who is not its employee provided that the said personnel is required to submit a certification that he/she will work for the bidder if it is awarded the Contract underbidding.</p> <p>These Certifications shall be included in the first/technical envelope of the sealed bid.</p> <p>4) The Project Engineer shall be full-time on the project site and sign in the Construction Logbook every workday.</p>		
10.5	The minimum major equipment requirements are the following:		
	<b>Equipment</b>	<b>Capacity</b>	<b>Number of Units</b>
	Minor tools		1
	Plate Compactor	5HP	1
	Chemical Spray equipment		1
	One-bagger concrete mixer		1
	Transit Mixer		1
	Portable Concrete Vibrator (Diesel Powered)		1
	Port lift		1
	H-framer/GI pipe scaffolds		150
	Power tools		1
	Welding Machine		1
	Dump Truck		1
	Water Truck		1
	Cargo Truck	13,000kg (6-10wheeler)	1
	Survey instrument		1
	Backhoe		1
	Set of plumbing tools		1

	Set of Electrical Tools		1
	Oxy-Acetylene cutter		1
	Chains and Ropes (chain block)		1
	Personal Protective Equipment		As applicable
	<p>In their bids, the bidder shall state a complete technical description of their pledged equipment, whether owned or leased, such as but not limited to the engine number, year model, chassis number, plate number, and capacity, including the particular place or site where the equipment is located.</p> <p>Attached is the sample form (List of Equipment Pledge to the Contract) in Bidding Forms, to be filled up by the bidders during the preparation of bids.</p> <p>The proof of ownership of equipment should be attached to the notarized affidavit of ownership. In the case of Leased Equipment, a Lease Contract and Affidavit of Commitment should be submitted with the lessor/owner as the pledger of the equipment, stating therein that the equipment will be available for the whole duration of the Project.</p> <p>All documents supporting the ownership of the equipment pledged (CR-Certificate of Registration and OR-Official Receipt, if applicable) and other documents photocopied from the original shall be legibly readable and will be authenticated as needed during the post-qualification process.</p>		
12	Alternative Bid is not allowed.		
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than <b>Php 66,040.00</b> if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <b>Php 165,100.00</b> if bid security is in Surety Bond.</p>		
19.2	Partial bids are not allowed.		
20	<p>The following are to be secured by the winning Contractor:</p> <p>a. Building Permits</p> <p>b. BFP Permit</p> <p>c. Professional signatories</p> <p>d. Occupancy permit</p> <p>e. Environmental Compliance Certificate (EMB-CNC)</p> <p>f. As built plans duly signed and sealed (plan Signatories)</p>		
21	<p>Contract documents relevant to the Project:</p> <p>The following relevant documents are to be submitted by participating bidder/s during the bid submission:</p> <p>1. Duly signed Construction Schedule and S-curve</p>		

2. Duly signed Construction Project Evaluation and Review Technique (PERT) and Critical Path Method (CPM)
3. Duly signed Construction Methods in narrative form
4. Duly signed Construction Manpower Utilization Schedule
5. Duly signed Construction Equipment Utilization Schedule
6. Duly signed Construction Cash Flow Chart and Payment Schedule.
7. In case of JV, Special PCAB License.

The following relevant documents are to be submitted by the lowest calculated and responsive bidder after issuance of a notice of award:

1. **Performance Security.** The Winning Bidder shall be responsible for the extension of its performance security during the remaining period or duration of the Project reckoned from the date of the effectivity of the Contract, or for any contract time extension granted by the Procuring Entity, which shall be valid until final acceptance of the Project.

In place of the Performance Security, a post qualified bidder may submit an unnotarized Performance Securing Declaration (PSD), see the Bidding Forms, to guarantee its faithful performance of obligations under the Contract, subject to the following:

- a) Such declaration shall state, among others, that the winning bidder shall be blacklisted from being qualified to participate in any government procurement activity for one (1) year, in case of first offense or two (2) years, if with a prior similar offense, in the event it violates any of the conditions stated in the Contract.
  - b) The unnotarized PSD may be accepted, subject to the submission of a notarized PSD before payment unless the same is replaced with performance security in the prescribed form.
  - c) The end-user may require the winning bidder to replace the submitted PSD with performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 upon lifting of the State of Calamity, or community quarantine or similar restrictions, as the case may be.
2. Duly signed **Construction Safety and Health Program** approved by the Department of Labor and Employment.
  3. Contractor's All Risk Insurance Policy.

## **Section IV. General 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**

3.1 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.

3.2 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**

# Special Conditions of Contract

GCC Clause	
4.1	The <b>ATI-RTC 02 and beneficiary</b> shall give possession of all parts of the Site to the Contractor <b>upon receipt of the Notice to Proceed.</b>
6	The site investigation reports are: <b>If there is no available Site Investigation Report prepared by the procuring entity, then the Bidder shall conduct a site visit before the preparation of his bid as embodied in Section 8(b) of the revised Omnibus Sworn Statement. The Affidavit of Site Inspection will be executed by the bidder.</b>
7.2	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: <b>Fifteen (15) years.</b>
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 <b>10 days</b> of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is 1/10 of one percent (1%) of the Contract Cost of unperformed portion for every day of delay. Reckoning date for the submission of the updated Program of Work is within 10 days upon receipt of the Notice of Award.
13	The amount of the advance payment is equivalent to <b>fifteen percent (15%) of the total contract price and schedule of payment to be paid by ATI-RTC 02</b>
14	Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	No further instructions.
15.2	No further instructions.

## Section VI. Specifications

### Notes on Specifications

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

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

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

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

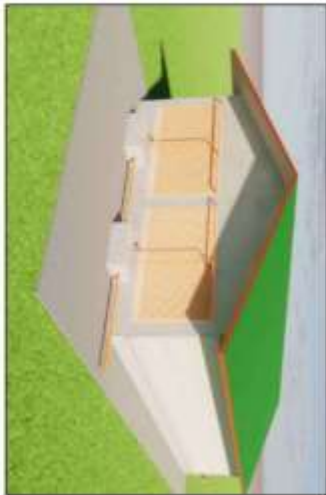
#### **Sample Clause: Equivalency of Standards and Codes**

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

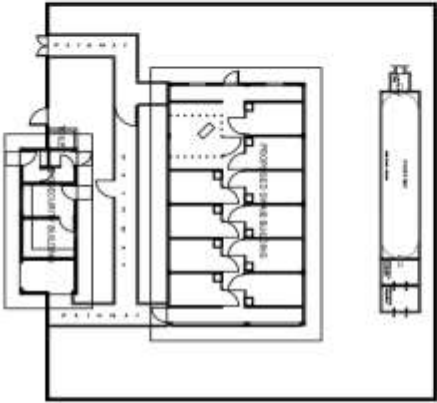
consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's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

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

## **Section VII. Drawings**



1.1 PERSPECTIVE



1.2 SITE DEVELOPMENT PLAN



1.3 VICINITY MAP

TABLE OF CONTENTS

REPUBLIC OF THE PHILIPPINES  
DEPARTMENT OF PUBLIC WORKS  
TRANSPIRENCY AND ACCOUNTABILITY

NO.	DESCRIPTION	DWG. NO.	DATE	REVISIONS	BY	CHECKED BY	APPROVED BY
1	CONCEPT SHEET						
2	ARCHITECTURAL						
3	STRUCTURAL						
4	LINE AND GRADE						
5	ARCHITECTURAL						
6	STRUCTURAL						
7	SANITARY						
8	ELECTRICAL						
9	ELECTRONICS						

PROJECT TITLE	CLIENT	APPROVED BY	DATE	REVISIONS	BY	CHECKED BY	APPROVED BY
GENESIS Q. LIKIAS	SHINE AT SA BURGWAY (SMWB) Project						
PROJECT NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE

1. THIS DRAWING IS THE PROPERTY OF THE ARCHITECT AND SHALL BE KEPT IN CONFIDENCE. IT IS TO BE USED ONLY FOR THE PROJECT AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

2. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

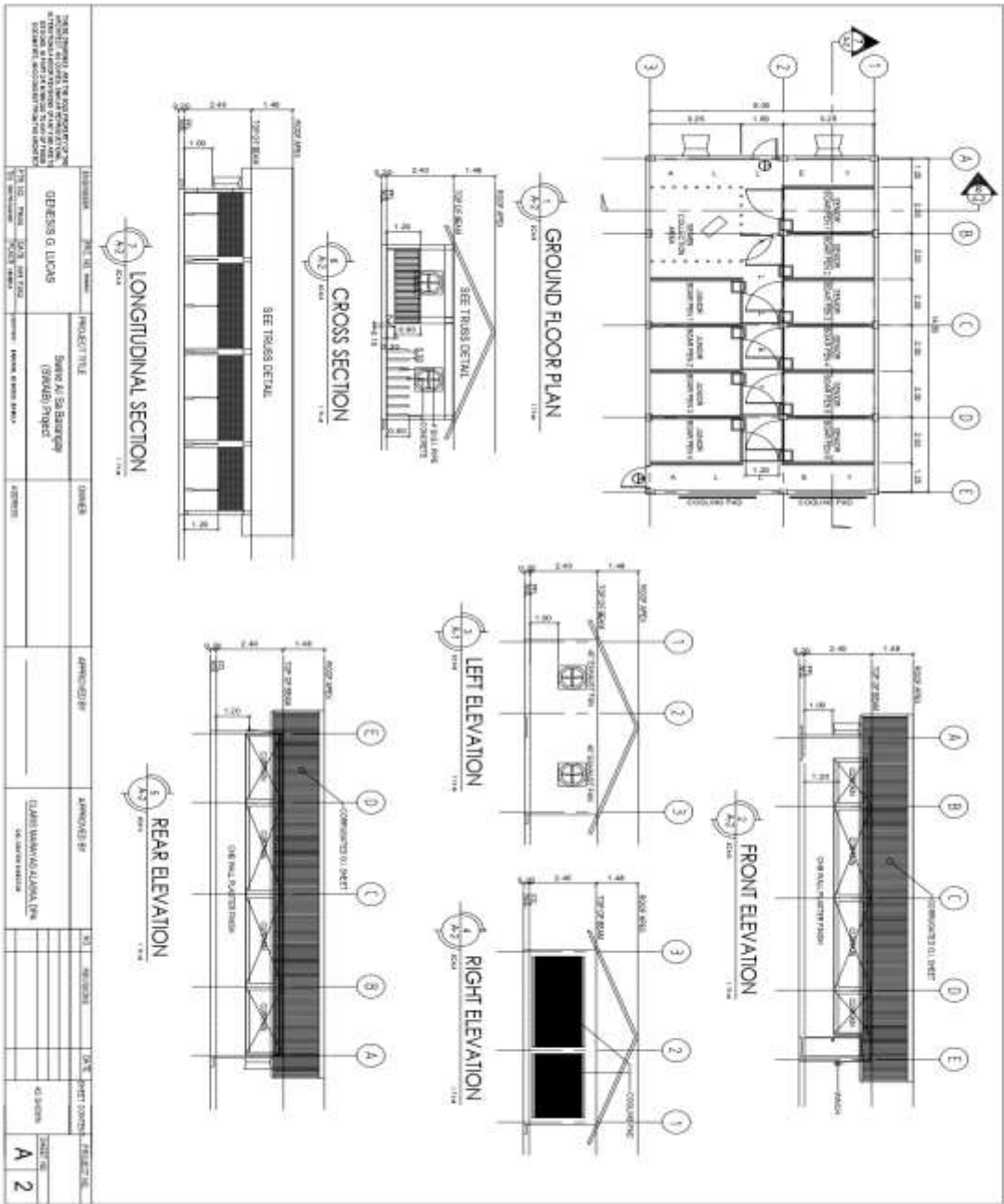
3. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

4. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

5. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

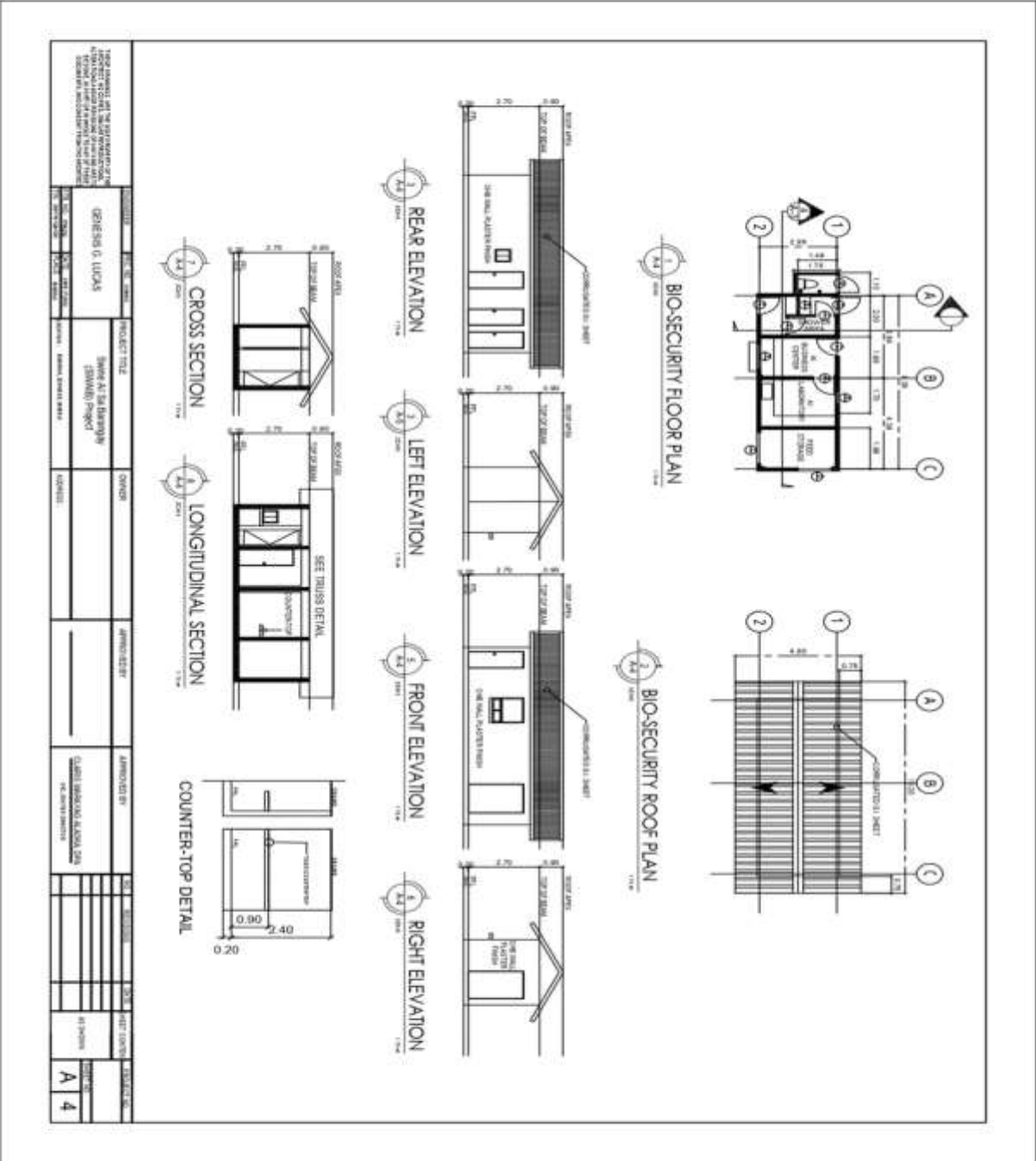
6. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.

7. THE ARCHITECT ASSUMES NO LIABILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.



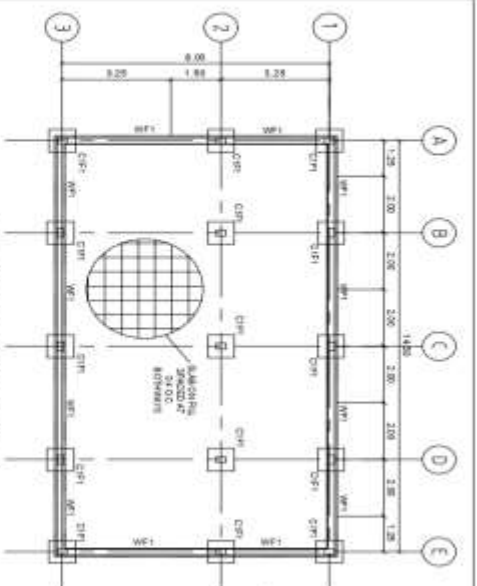




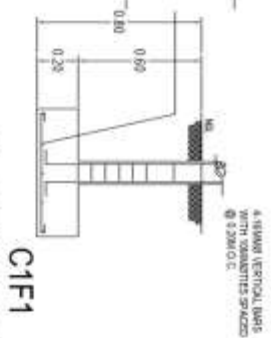


PROJECT TITLE <b>SHINE AI BI-BERENYI (SHAW) Project</b>		APPROVED BY _____	
CLIENT <b>GENESIS C. LUCKA</b>		APPROVED BY _____	
ARCHITECT <b>GENESIS C. LUCKA</b>		APPROVED BY _____	
DATE <b>2024-08-20</b>		APPROVED BY _____	
SCALE <b>1:50</b>		APPROVED BY _____	
SHEET NO. <b>A 4</b>		APPROVED BY _____	

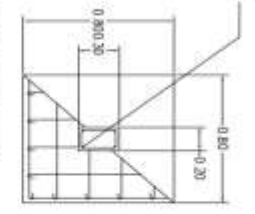




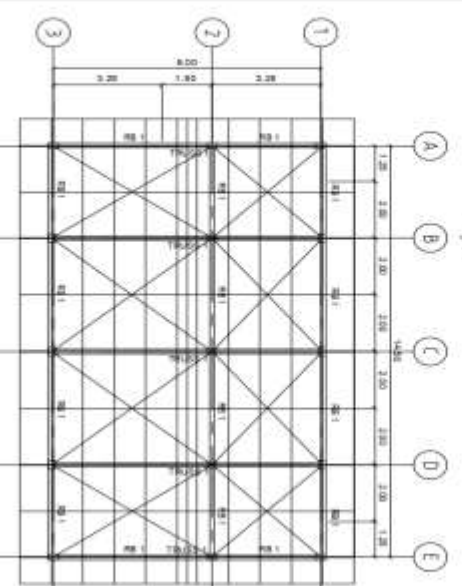
FOUNDATION PLAN



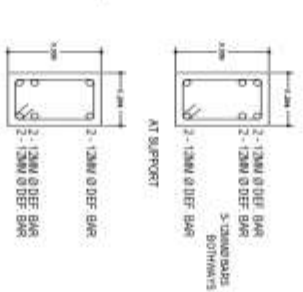
COLUMN AND FOOTING DETAIL



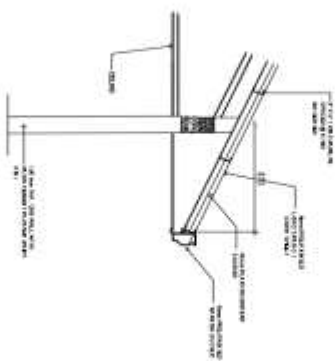
WALL FOOTING DETAIL



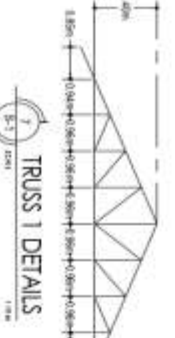
ROOF FRAMING PLAN



ROOT BEAM DETAILS

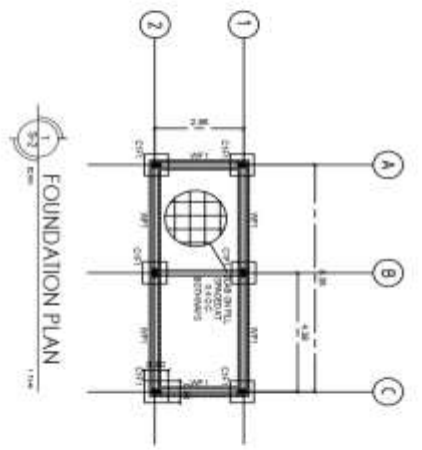
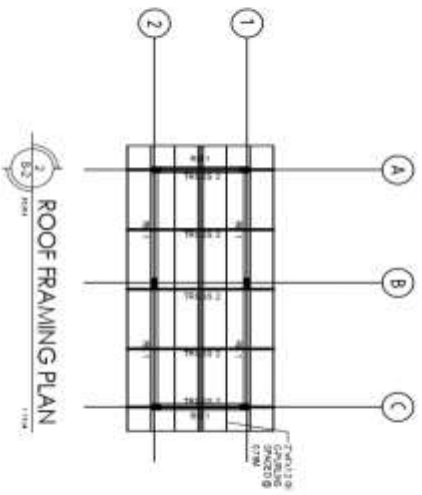


BAY SECTION

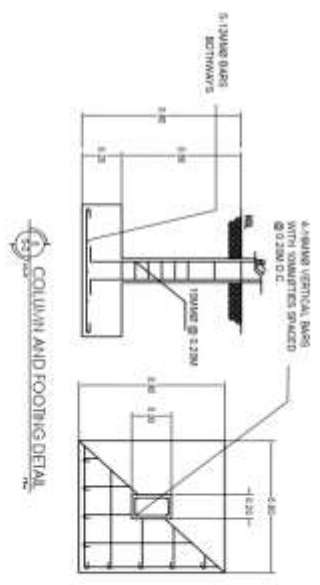
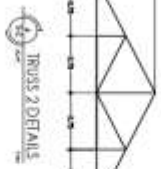
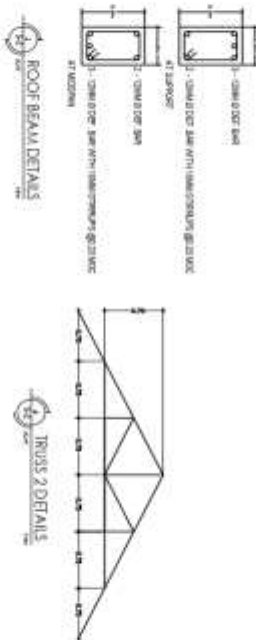


TRUSS 1 DETAILS

<p>THIS DRAWING IS THE PROPERTY OF THE ENGINEER. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY MENTIONED THEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.</p>			
DESIGNER	GENESIS G. LUCAS	PROJECT TITLE	Same Al Sa Baragay (SMALL) Project
DATE	2024-08-20	OWNER	
SCALE	1:100	ADDRESS	
NO.		APPROVED BY	
DATE		APPROVED BY	
SHEET NO.	S 1	CLIENT NAME/NO. ALEXIA, CPA	
		PROJECT NO.	



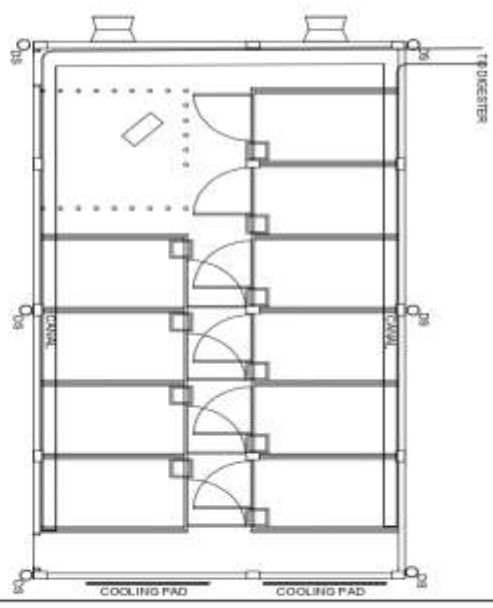
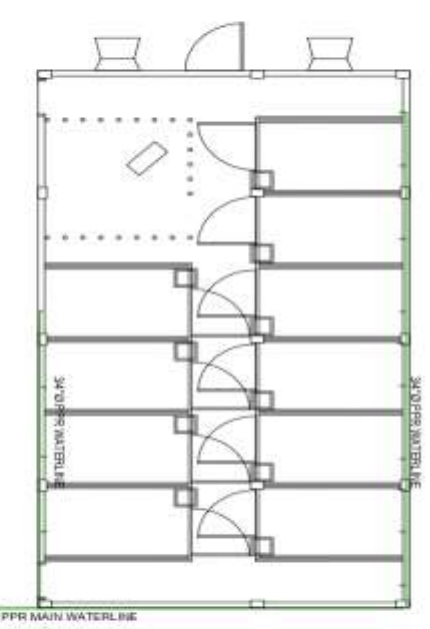
SCHEDULE OF FOOTING				SCHEDULE OF COLUMN			
NO.	TYPE	SECTION	REMARKS	NO.	TYPE	SECTION	REMARKS
F-1	6" x 6" CONC.	1:8	1. (1) - 12# @ 12" O.C.	C-1	12" x 12" CONC.	1:8	1. (1) - 12# @ 12" O.C.
WF	6" x 6" CONC.	1:8	1. (1) - 12# @ 12" O.C.				



PROJECT TITLE <b>SWINE AI'S BERRY (SMALL) POND</b>		OWNER <b>GENESIS G. LUCAS</b>		APPROVED BY  		APPROVED BY <b>CLARE MARQUEZ ALONSO ENR</b>		NO. OF SHEETS  		SHEET NO. <b>42 SHEET</b>		DRAWING NO. <b>S 2</b>	
PROJECT NO. <b>GENESIS G. LUCAS</b>		OWNER <b>GENESIS G. LUCAS</b>		APPROVED BY  		APPROVED BY <b>CLARE MARQUEZ ALONSO ENR</b>		NO. OF SHEETS  		SHEET NO. <b>42 SHEET</b>		DRAWING NO. <b>S 2</b>	

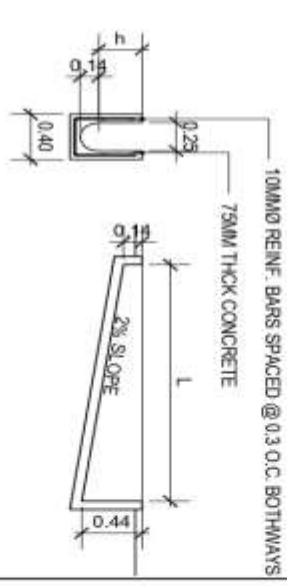
THIS DRAWING AND THE CONTENTS THEREOF ARE THE PROPERTY OF THE ARCHITECT. NO PART OF THIS DRAWING OR THE CONTENTS THEREOF SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECT.





2 PLUMBING LAYOUT

1 WATERLINE LAYOUT



3 CANAL DETAILS

THESE DRAWINGS ARE THE PROPERTY OF M/S GENESIS & LUCKS. ANY REPRODUCTION OR TRANSMISSION OF THESE DRAWINGS WITHOUT THE WRITTEN PERMISSION OF M/S GENESIS & LUCKS IS STRICTLY PROHIBITED. THE CLIENT AGREES TO HOLD M/S GENESIS & LUCKS HARMLESS FROM ANY AND ALL CLAIMS AND DAMAGES THAT MAY BE ASSERTED AGAINST THEM IN CONNECTION WITH THESE DRAWINGS.	
PROJECT NO: GEN-2024-001 PROJECT TITLE: SHARH AL SA BANGIYAH (SHARH) Project OWNER: SHARH BANGIYAH ADDRESS:	PROJECT TITLE: SHARH AL SA BANGIYAH (SHARH) Project OWNER: SHARH BANGIYAH ADDRESS:
PREPARED BY: [Blank] CHECKED BY: [Blank] DATE: [Blank]	APPROVED BY: CLARET MALINDANG ALABON, CPA REGISTERED PROFESSIONAL ENGINEER NO. 018788-0000000000
SHEET NO: [Blank] TOTAL SHEETS: [Blank]	DATE: [Blank] SCALE: [Blank]
DRAWN BY: [Blank]	CHECKED BY: [Blank]
PROJECT NO: P 1	SHEET NO: 1









## **Section VIII. Bill of Quantities**

**PROJECT: SWINE AI SA BARANGAY AND TECHNODEMO FARM PROJECT(doom type biogas)**  
**OWNER: ATI-REGIONAL TRAINING CENTER 02**  
**LOCATION: BABARAN, ECHAGUE, ISABELA**  
**DURATION: 120 CALENDAR DAYS**

**BILL OF MATERIALS**

Description	QTY	Unit	Unit Cost	Subtotal	Labor	Total
<b>I. GENERAL REQUIREMENTS</b>						
Standard Billboard 4'x8'	1.00	lot				
<b>II. SITE CLEARING</b>						
	1.00	lot				
<b>III. EARTHWORKS</b>						
Excavation	12.00	cu.m				
Earthfill	30.00	cu.m				
<b>IV. CONCRETE WORKS/MASONRY WORKS</b>						
Cement	270.00	bag				
Sand	30.00	cu.m				
Gravel	22.00	cu.m				
CHB	1311.00	pc				
<b>V. STEELWORKS</b>						
16mm deformed round bar	50.00	pc				
12mm deformed round bar	70.00	pc				
10mm deformed round bar	240.00	pc				
GI Pipe (2 in) S -40	18.00	pc				
GI Pipe (4 in) S -40	4.00	pc				
16mm Plain round bar	80.00	pc				
Angle Bar 1/2 X 2 X 2	15.00	pc				
Angle Bar 1/2 x 2 1/2 x 2 1/2	18.00	pc				
C Purlins 2x4x1.2mm	60.00	pc				
10mm plain round bar	17.00	pc				
Galvanized Turnbuckles 12mm dia.	16.00	pc				
Tie Wire #16	40.00	kg				
Welding Rod (5kl/box)	10.00	box				
<b>VI. TINSMITHRY</b>						
Pre-painted Roofing	170.00	lm				
Pre-painted Ceiling	116.00	lm				
Pre-painted Gutter	10.00	pc				
Pre-painted Flashing	6.00	pc				
Metal Furring	70.00	pc				
Wall Angle	20.00	pc				
Carrying Channel	25.00	pc				

Ridge roll	8.00	pc				
Insulation	240.00	mtr				
Tekscrew	1300.00	pc				
Blind Rivets	3.00	box				
Tie Wire #16	5.00	kg				
<b>VII. ELECTRICAL WORKS</b>						
Panel Board 16 Branches	1.00	set				
Circuit Breaker 100A	1.00	set				
Circuit Breaker 40A	1.00	set				
Circuit Breaker 20A	5.00	set				
Circuit Breaker 15A	2.00	set				
THHN #8	50.00	mtr				
2.00 mmTHHN	2.00	box				
3.50 mmTHHN	3.00	box				
1/2 Flexible Pipe	6.00	roll				
1/2 PVC Pipe	15.00	pc				
Service Drop Wire #6	100.00	mtr.				
C.O	3.00	set				
L.O	6.00	set				
40w Fluorescent Bulb w/ Housing	4.00	set				
Receptacle	6.00	pc				
20W Bulb	6.00	pc				
4 X 4 Junction Box	6.00	pc				
PVC Clip 1/2	120.00	pc				
32mm Entrance Cap	1.00	pc				
32mm Elbow Connector	1.00	pc				
Meter Box	1.00	pc				
32mm Straight Connector	2.00	pc				
Electrical Tape	10.00	pc				
<b>VIII. PAINTING WORKS</b>						
Flat Latex Paint ( white)	4.00	gal				
Semi Gloss Latex Paint ( white)	8.00	gal				
Epoxy Prime w/ Catalyst	2.00	gal				
Lacquer Thinner	5.00	qrt				
Skim Coat	2.00	bag				

Concrete Neutralizer	1.00	gal				
Roller Brush w/ Tray	2.00	pc				
Roller Refill 8"	4.00	pc				
Paint Brush 4"	2.00	pc				
Sand Paper #80	10.00	pc				
<b>IX. PLUMBING WORK</b>						
Bite Nipple	10.00	pc				
Faucet	2.00	pc				
1/2" G.I.Tee	17.00	pc				
1/2" G.I.Elbow	12.00	pc				
1/2" G.I. Coupling	16.00	pc				
1/2" G.I Pipe	2.00	pc				
PPR pipee 3/4"	5.00	pc				
PPR pipe 1"	5.00	pc				
Gate Valve 1/2"	2.00	set				
4" dia. PVC Pipe S- 1000	3.00	pc				
4" Wye	2.00	pc				
4" Clean out w/ Cover	2.00	pc				
4" X 45deg PVC Elbow	2.00	pc				
Teflon Tape	10.00	roll				
2" dia. PVC Pipe	6.00	pc				
2" dia. Elbow	12.00	pc				
Solvent Cement 400cc	2.00	can				
<b>X. DOORS AND WINDOWS</b>						
Window Curtain (Sackolin)	30.00	lm				
GI Pipe / Hightensile Cable	60.00	mtr				
Winch	2.00	set				
Flush Door w/ Jamb & Acc.	2.00	set				
<b>XI. FORM WORKS</b>						
5mm Thk, Ordinary Plywood	14.00	pc				
Scaffoldings ( cocolumber)	1,140.00	bdft				
CWN 4"	25.00	kgs				
CWN 3"		kgs				

	20.00					
CWN 1 1/2"	6.00	kgs				
<b>XII. EQUIPMENT</b>						
Tunnel Vent	1.00	set				
<b>XIII. BIOGAS PLANT</b>						
A. EARTHWORKS	45.00	cu.m				
<b>B. CONCRETE AND MASONRY WORKS</b>						
Cement	70.00	bags				
Gravel	5.00	cu.m				
Washed Sand	10.00	cu.m				
Waterproofing Cement	2.00	pack				
4" CHB	450.00	pc				
<b>C. REBARS</b>						
10mm Ø Round Bar	75.00	pc				
2 X 2 X 1.2 Steel Matting	2.00	pc				
#16 Tie Wire	5.00	kgs				
PVC 4" (Series 1000)	1.00	pc				
PVC Orange 2" (Series 1000)	1.00	pc				
Solvent (small)	1.00	pc				
Clean Out 2"	1.00	pc				
<b>XIV. BIO-SECURITY BUILDING</b>						
A. EARTHWORKS	16.50	cu.m				
<b>B. CONCRETE AND MASONRY WORKS</b>						

Cement	130.00	bag				
Sand	15.00	cu.m				
Gravel	10.00	cu.m				
CHB	1300.00	pc				
0.3 X 0.3 Floor Tiles	42.00	pc				
0.3 X 0.6 Wall Tiles	160.00	pc				
0.4x0.4 Floor Tiles	120.00	pc				
Tile Grout	10.00	pack				
<b>C. STEELWORKS</b>						
Angle Bar 1/2 X 2 X 2	5.00	pc				
Angle Bar 1/2 x 2 1/2 x 2 1/2	10.00	pc				
C Purlins 2x4x1.2mm	23.00	pc				
10mm plain round bar	4.00	pc				
12mm Ø Def. Round Bar	80.00	pc				
10mm Ø Def. Round Bar	80.00	pc				
#16 Tie Wire	10.00	kgs				
<b>D. TINSMITHRY/CEILING</b>						
Pre-painted Roofing	93.00	lm				
Pre-painted Gutter	6.00	pc				
Pre-painted Ceiling (Spandrel)	19.00	lm				
Pre-painted Flashing	4.00	pc				
Tekscrew	599.00	pc				
Blind Rivets	2.00	box				
3.5 Thk. Cement Board	10.00	pc				
Metal Furring	25.00	pc				
Carrying Channel	15.00	pc				
Wall Angle	10.00	pc				
Ridge roll	5.00	pc				
<b>E. PLUMBING WORKS</b>						
Floor Drain	2.00	pc				
Lavatory w/ Complete Acc.	1.00	unit				
Water Closet w/ Complete Acc.	1.00	unit				
Stainless Sink w/ Complete Acc.	1.00	unit				
Foot & Head Shower	1.00	set				
Faucet	3.00	pc				
4" dia. PVC Pipe S- 1000	2.00	pc				
4"X2" Tee Reducer	3.00	pc				
4" Wye	1.00	pc				



4" dia. Clean Out	2.00	pc				
4" dia. Elbow	6.00	pc				
4" dia. Coupling	3.00	pc				
2" dia. PVC Pipe	6.00	pc				
4" dia. TEE	2.00	pc				
2" dia. Elbow	10.00	pc				
2" dia. Coupling	4.00	pc				
2" dia. P-Trap	2.00	pc				
Solvent Cement 400 cc.	3.00	pints				
1/2" PVC Pipe	8.00	pc				
1/2" PVC Elbow	7.00	pc				
1/2" Coupling	6.00	pc				
1/2" Threaded Coupling	3.00	pc				
1/2" PVC Tee	5.00	pc				
Teflon Tape	5.00	pc				
<b>F. ELECTRICAL WORKS</b>						
1/2 Flexible Pipe	70.00	mtr				
1/2 PVC Pipe	2.00	pc				
3/4 Flexible Pipe	15.00	mtr				
2.0mm Thhn Wire	1.00	box				
3.50 mmTHHN	1.00	box				
5.5 mmTHHN	20.00	mtr				
C.O	6.00	set				
AC Outlet	1.00	set				
Lighting Outlet	11.00	set				
Receptacle	11.00	pc				
20W Bulb	11.00	pc				
PVC Clip 1/2		pc				

	30.00					
2 X 4 Utility Box	5.00	pc				
4 X 4 Junction Box	2.00	pc				
Electrical Tape	5.00	pc				
<b>G. PAINTING WORKS</b>						
Rubberized Paint	1.00	pair				
Flat Latex Paint ( white)	4.00	gal				
Semi Gloss Latex Paint ( white)	6.00	gal				
Epoxy Primer Prime w/ Catalyst	1.00	gal				
Lacquer Thinner	2.00	qrt				
Skim Coat	2.00	bag				
Concrete Neutralizer	3.00	ltr				
Roller Brush w/ Tray	2.00	pc				
Roller Refill 8"	4.00	pc				
Paint Brush 4"	2.00	pc				
<b>H. DOORS &amp; WINDOWS</b>						
Roll Up Door	2.00	set				
0.8 X 2.1 Flush Door w/ Jamb & Acc.	4.00	set				
0.6 X 2.1 PVC Door w/ Jamb & Acc.	3.00	set				
1.2 X 1.2 Sliding Glass Window in Alum. Frame	1.00	set				
0.6 X 0.6 Sliding Glass Window in Alum. Frame		set				

	2.00					
<b>I. FORM WORKS</b>						
5mm Thk, Ordinary Plywood	10.00	pc				
Scaffoldings ( cocolumber)	400.00	bdft				
Assorted CWN	20.00	kg				
<b>XV. FENCE</b>						
Cement	140.00	bag				
Sand	25.00	cu.m				
Gravel	12.00	cu.m				
CHB	1300.00	pc				
#16 Tie Wire	10.00	kg				
5mm Thk, Ordinary Plywood	2.00	pc				
Cocolumber	40.00	bdft				
Assorted CWN	5.00	kg				
Epoxy Prime w/ Catalyst	2.00	gal				
Lacquer Thinner	2.00	qrt				
Paint Brush 4"	4.00	pc				
GI Pipe 1 1/2	42.00	pc				
Cyclone wire 2 X 2 X 3ft	180.00	l.m.				
10mm Ø Round Bar	120.00	pc				
Welding Rod (5kl/box)	5.00	box				

**SUB-TOTAL:**

**OCM  
(15%)  
Profit  
(10%)  
VAT (5%)** \_\_\_\_\_

**TOTAL AMOUNT:**

**PREPARED BY:**

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

# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### Class “A” Documents

#### Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

#### Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
  - ☐ a. Organizational chart for the contract to be bid;
  - ☐ b. List of contractor’s key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
  - ☐ c. List of contractor’s major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary’s Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

#### Financial Documents

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

**Class "B" Documents**

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

**II. FINANCIAL COMPONENT ENVELOPE**

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

Other documentary requirements under RA No. 9184

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

