

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Government of the Republic of the Philippines

Province of Albay

CITY OF TABACO

Procurement of Infrastructure Projects

**CONSTRUCTION/REHABILITATION/
IMPROVEMENT OF VARIOUS
INFRASTRUCTURE PROJECTS (PUBLIC
BUILDINGS & OTHER INFRASTRUCTURE),
VARIOUS BARANGAYS, TABACO CITY**

Contract ID No. 024-07-2024-INFRA-PB

July 12, 2024

**Sixth Edition
July 2020**

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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



Republic of the Philippines
Province of Albay
CITY GOVERNMENT OF TABACO
Tabaco City

Bids and Awards Committee

Invitation to Bid for
Construction/ Rehabilitation/ Improvement of Various Infrastructure
Projects (Public Buildings & Other Infrastructure)
Various Barangays, Tabaco City
Contract Id No. 024-07-2024-INFRA-PB

1. The *City Government of Tabaco*, through the *General Fund-Capital Outlay 2022 cont. 2024, General Fund-Capital Outlay (SB #2-2022) cont. 2024, General Fund 2023 cont. 2024, General Fund 2024, GAD Fund 2024, LDRRMF 2024, Trust Fund-LDRRMF 2022 Reprogrammed 2023, SEF 2024, and 20% CDF 2024*, intends to apply the sum of *Forty-Nine Million Eight Hundred Sixty Thousand Fifteen Pesos and Eighty-Five Centavos (Php 49,860,015.85)* being the Approved Budget for the Contract (ABC) to payments under the contract for the *Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure), Various Barangays, Tabaco City under Contract ID No. 024-07-2024-INFRA-PB*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *City Government of Tabaco* now invites bids for the above Procurement Project. Completion of the Works is required *within 240 calendar days from receipt of 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 the *City Government of Tabaco* and inspect the Bidding Documents at the address given below from *9:00 A.M. to 4:00 PM*.
5. A complete set of Bidding Documents may be acquired by interested bidders on *July 12-August 05, 2024* from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents*, pursuant to the latest Guidelines issued by the GPPB, in the amount of *Twenty-Five Thousand Pesos (P25,000.00)*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.
6. The *City Government of Tabaco* will hold a Pre-Bid Conference on *July 22, 2024, 9:30AM, BAC Conference Room, 2F Annex Bldg., Tabaco City Hall, Tabaco City*, 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 *9:00AM, August 05, 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 16.
9. Bid opening shall be on **August 05, 2024, 9:30AM** at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

10. **Other Necessary Information:**

Minimum PCAB License Category: General Building

Project Size Range: Building– Medium A

Minimum Manpower Requirements:

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • 1 Project Manager • 1 Project Engineer • 1 Materials Engineer I • 1 Geodetic Engineer • 5 Construction Foreman | <ul style="list-style-type: none"> • 4 Safety Officer 1 • 5 First Aider • 7 Skilled Laborer • 24 Common Laborer |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

Minimum Equipment Required:

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • 6 units Concrete Mixer, One Bagger • 6 units Concrete Vibrator • 6 units Bar Cutter / Bender • 3 units Welding Machine with Genset • 1 unit Stake Truck • 2 units Plate Compactor • 2 units Water Truck, 1000gal • 1 unit Angle Grinder • 1 unit Oxyacetylene Cutting Outfit | <ul style="list-style-type: none"> • 1 unit Jackhammer with Air Compressor • 1 unit Total Station including accessories • 1 unit Backhoe, Wheel Type • 2 units Backhoe, Crawler type • 1 unit Self-Loading Truck • 2 units Bulldozer, D8 • Enough Handtools |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

11. The **City Government of Tabaco** 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:

Atty. Jovito Bron Coderis, Jr.
 BAC Chairman / City Legal Office
 BAC Office / City Legal Office
 2F Annex Bldg., Tabaco City Hall, Tabaco City
 Email: [**bactabaco16@gmail.com**](mailto:bactabaco16@gmail.com)
 Website: tabacocity.gov.ph

13. You may visit the following website:

For downloading of Bidding Documents: [**www.tabacocity.com.ph**](http://www.tabacocity.com.ph)

July 12, 2024

(Sgd.)
ATTY. JOVITO BRON CODERIS, JR.
 BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *City Government of Tabaco* invites Bids for the *Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure), Various Barangays, Tabaco City under Contract ID No. 024-07-2024-INFRA-PB.*

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 *Forty-Nine Million Nine Hundred Thirty-One Thousand Three Hundred Thirty-Three Pesos and Forty Centavos (Php 49,931,333.40).*

2.2. The source of funding is:

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 subcontracting is not allowed.

- 7.1. 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 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 trade able 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 Pesos.

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 **December 05, 2023**. 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

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>construction/ improvement/ rehabilitation/ repair of buildings.</i>		
7.1	<i>Subcontracting is not allowed.</i>		
10.3	PCAB Registration Particular includes the following: Kind of Project and Size Range: Buildings- Medium A		
10.4	The key personnel must meet the required minimum years of experience set below.		
	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>
	Project Manager	5	3
	Project Engineer	5	3
	Materials Engineer I	3	1
	Geodetic Engineer	3	1
	Construction Foreman	3	1
	Safety Officer 1	40 hrs training	40 hrs training
	First Aider	-	-
10.5	The minimum major equipment requirements are the following:		
	Equipment	Capacity	Number of Units
	Concrete Mixer	One Bagger	6
	Concrete Vibrator	-	6
	Bar Cutter / Bender	-	6
	Welding Machine with Genset	-	3
	Stake Truck	-	1
	Plate Compactor	-	2
	Water Truck	1000gal	2
	Angle Grinder	-	1
	Oxyacetylene Cutting Outfit	-	1
	Jackhammer with Air Compressor	-	1
	Total Station including accessories	-	1
	Backhoe, Wheel Type	-	1
	Backhoe, Crawler type	-	2
	Self-Loading Truck	-	1
	Bulldozer	D8	2
	Handtools	-	Enough
12	Alternative Bids shall not be accepted.		
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than <i>Php 997,200.32 [2% of ABC]</i> , draft/guarantee or irrevocable letter of credit; b. The amount of not less than <i>Php 2,493,000.79 [5% of ABC]</i> if bid security is in Surety Bond.		

16	Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its bid. Should there be discrepancies, the original copy would prevail.
19.2	Partial bids are not allowed.
20	<p>Other appropriate licenses and permits:</p> <ul style="list-style-type: none"> <i>a. Valid and Current Registration Certificate (SEC, DTI, or CDA, whichever is applicable), all pages</i> <i>b. Valid and Current Mayor's Permit</i> <i>c. Valid Tax Clearance for Bidding Purposes</i> <i>d. Valid PCAB License</i> <i>e. Latest Audited Financial Statements stamped received by the BIR or its duly authorized institution</i> <i>f. BIR Registration Certificate</i>
21	<p>Additional contract documents relevant to the Project:</p> <ul style="list-style-type: none"> A. Construction Safety and Health Program approved by the DOLE; B. Contractor's All Risk Insurance (CARI); C. Construction Schedule and S-curve / Bar Chart / PERT CPM Network Diagram and detailed computations of contract time. D. Manpower Utilization Schedule E. Narrative Description of Construction Procedures and Methods F. Equipment Utilization Schedule

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

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 Day works 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	
2	No sectional completion.
4.1	Upon receipt of Notice to Proceed.
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	Five (5) years.
10	No day works are applicable to the contract.
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 <i>15% of the total contract price and schedule of payment</i>
14	Materials and equipment delivered on the site but not completely put in place shall not be included for payment.
15.1	The date by which "as built" drawings are required is after completion of the project.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .

Section VI. Specifications

Project Title: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects
(Public Buildings & Other Infrastructure)

Location: Various Barangays, Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Approved Budget for the Contract (ABC): Php 49,860,015.85

Duration: 240 Calendar Days

Item No.	Project Description	Approved Budget per Item (Php)
A.	Public Building	
1	Rehabilitation/Improvement of Sweet Potato Processing Facility, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City	2,000,000.00
2	Rehabilitation/Improvement of San Miguel Lying-in K-linik, Brgy. Visita, San Miguel Island, Tabaco City	1,000,000.00
3	Improvement of Multi-Purpose Hall (Women & Child Protection Building), Brgy. Quinale-Cabasan, Tabaco City	2,000,000.00
4	Construction of Child Development Center, Brgy. Fatima, Tabaco City	3,692,397.29
5	Construction of Child Development Center, Brgy. Visita, San Miguel Island, Tabaco City	4,763,490.70
6	Construction of Evacuation Center, Brgy. Baranghawon, Tabaco City	9,987,475.11
7	Improvement of Evacuation Center, Brgy. Pawa, Tabaco City	3,834,511.67
8	Construction/Rehabilitation/Improvement of School Buildings and Other School Buildings Facilities for Public Elementary and Secondary Schools, Various Barangays, Tabaco City:	
	a.) Construction of Slope Protection, Bonot Elementary School, Brgy. Bonot Tabaco City	300,000.00
	b.) Improvement of School Stage, Oras Elementary School, Brgy. Oras, Tabaco City	1,100,000.00
	c.) Construction of Slope Protection, Malictay High School, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City	600,000.00
B.	Other Infrastructure	
9	Fencing of Sanitary Landfill (SLF), Sitio Nagsipit, Brgy. Mariroc, Tabaco City	3,592,233.40
10	Desilting/Dredging of Bombon River, Bombon-Pawa Section, Tabaco City	4,994,477.56
11	Desilting/Dredging of Tagas River, Bogñabong-Mariroc Section, Tabaco City	4,995,430.12
12	Improvement of Public Cemetery, Brgy. San Antonio, Tabaco City	1,000,000.00
13	Improvement of Hiraya Manawari Nature Park, Brgy. San Vicente, Tabaco City	4,000,000.00
14	Sitio Electrification at San Miguel Island, Tabaco City	2,000,000.00

SCOPE OF WORK AND TECHNICAL SPECIFICATIONS

All works to be undertaken shall be in accordance with the plans and working drawings. It includes the furnishing of all materials, labor and equipment with supervision necessary for the complete construction of the said project.

ITEMS OF WORK INCLUDED

A. PUBLIC BUILDING

1. Rehabilitation/Improvement of Sweet Potato Processing Facility, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City

Demolition and Removal of Other Structures

- This item of work includes demolition and removal of other structures using manpower.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Embankment from Borrow

- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Masonry Works

- This item of works includes the furnishing and installation of 4” concrete hollow blocks for exterior wall, reinforced with 10mm diameter rebars spaced at 600mm on center both ways. CHB shall be filled with mortar and ready to accept plaster finish.
- All masonry works shall be cement plastered smooth finish for the interior of the wall, and rough finished for the exterior.
- Forms shall result in a final structure that conforms to the shape, line and dimensions of the member as required by the design drawing and specifications. Forms shall be substantial and sufficiently tight to prevent leakage of the mortar. Forms and their support shall be designed so as not to damage previously placed structure.

Cement Plaster Finish

- This item shall consist of furnishing all cement plaster materials, labor, tools and equipment required in undertaking cement plaster finish as shown on the Plans and in accordance with this Specification. All concrete surfaces including those indicated as cement plaster on drawings, in all interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the Plans or established by the Engineer.

Cement Floor Finish

- All concrete surfaces including those indicated as cement floor finish on plan, in all interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.

- Immediately after the removal of forms, all projecting wires and bolts and other devices used for tying forms shall be cut off at least ½ cm. beneath the surface finishes. All holes, voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

Doors & Windows Installation

- The item shall consist of furnishing all materials, hardware, plant, tools, labor and services necessary for complete fabrication and installation of wooden doors of the type and size as shown on the Plans and in accordance with the following specifications and applicable specifications under item 1003 on Carpentry and Joinery Works.

ELECTRICAL WORKS

Conduits, Boxes & Fittings

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building.

Plumbing Works

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures.
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.
- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4” x 4” with the waste line, P-traps and vents.
- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.

- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

2. Rehabilitation Improvement of San Miguel Lying-in K-linik

Plumbing Works

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.
- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4" x 4" with the waste line, P-traps and vents.

- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.
- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

Demolition Works

- This item of work includes demolition of structures using manpower.

Restoration Works

- This item shall consist of restoration of damaged fences and driveway alleys that was damaged during the time of construction.

Wooden Cabinets

- The work under this Item shall consist of furnishing all required materials, fabricated woodwork, tools, equipment and labor and performing all operations necessary for the satisfactory completion of all carpentry and joinery works in strict accord with applicable drawings, details and these Specification

OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

3. Improvement of Multi-Purpose Hall (Women & Child Protection Building), Brgy. Quinale-Cabasan, Tabaco City

IMPROVEMENT OF BUILDING

Clearing & Demolition

- This item of work consists of clearing, grubbing, removing, demolition, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural

ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Embankment from Borrow

- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Reinforced Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Drywall

- The drywall partitions and/or light weight internal wall system shall be capable of withstanding a nominal horizontal concentrated force of 500N acting nominal to the wall surface over an area of 0.1 m x 0.1 m at any point at a height of 1.3 m above floor level or such lesser height as may be more critical, or a nominal horizontal distributed force of 500N/m at a height of 1.3m (SANS 0160).

Ceiling

- This item of work includes the installation of ceiling by using 1/4" thk. Marine Plywood and Good Lumber.
- The ceiling must be installed 100mm from the bottom of the roof beam.
- All materials shall be of approved high quality. Please refer to the plan for the complete details.

Masonry Works (including Plaster Finish)

- This item of works includes the furnishing and installation of 4" concrete hollow blocks for exterior wall, reinforced with 10mm diameter rebars spaced at 600mm on center both ways. CHB shall be filled with mortar and ready to accept plaster finish.
- All masonry works shall be cement plastered smooth finish for the interior of the wall, and rough finished for the exterior.
- Forms shall result in a final structure that conforms to the shape, line and dimensions of the member as required by the design drawing and specifications. Forms shall be substantial and sufficiently tight to prevent leakage of the mortar. Forms and their support shall be designed so as not to damage previously placed structure.

Aluminum Glass Partition

- This Item shall consist of furnishing all aluminum glass partition materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this Specification.

Aluminum Glass Windows

- This Item shall consist of furnishing all aluminum glass window materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this Specification.

Aluminum Framed Glass Doors

- Main frame shall consist of head sill and jamb stiles specifically designed and machined to interfit and are joined at corners with self-threading screws.

- Frame sill shall be stepped and sloped with offset weep holes for efficient drainage to the exterior.
- Door panel shall be accurately joined at corners assembled and fixed rigidly to ensure weather tightness.
- Aluminum glass door and main frame shall be installed in a prepared opening to be set plumb, square. Level and true to details.
- All joints between metal surface and masonry shall be fully caulked to ensure weather tightness.

Ceramic Tiles

- This Item shall consist of furnishing all ceramic tiles and cementitious materials, tools and equipment including labor required in undertaking the proper installation of walls and floor tiles as shown on the Plans and in accordance with this Specification.

Railings

- This item shall consist of furnishing and constructing posts and guardrails of the types called for in the contract and in accordance with this Specification, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Electrical Works

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings (Conduit Works/ Conduit Rough-in)
 - Wires and Wiring Devices
 - Panelboard with Main and Branch Breakers
 - Lighting Fixtures and Lamps
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

Plumbing & Sanitary Works

- Description This Item shall consist of furnishing all materials, tools, equipment and fixtures required as shown on the Plans for the satisfactory performance of the entire plumbing system including installation in accordance with the latest edition of the National Plumbing Code, and this Specification

Mechanical Works

- This item shall consist of furnishing and installation of air conditioning inclusive of necessary electrical connections, ductworks, grilles, pipes and condensate drains and all other necessary accessories, ready for service in accordance with the Plans and Specifications.

Removal of Unsuitable Materials

- This item of work consists of removing silt or any unsuitable materials or soil layers using a stake truck.

OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

4. Construction of Child Development Center, Brgy. Fatima, Tabaco City

PART A. EARTHWORKS

Clearing & Grubbing

- This item of work consists of clearing, grubbing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Embankment from Borrow

- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

PART B. PLAIN AND REINFORCED CONCRETE WORKS

Structural Concrete (Class A), 28 days

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

PART C. FINISHING AND OTHER CIVIL WORKS

Soil Poisoning

- This item shall consist of Cordoning and Drenching in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.
- At the time soil poisoning is to be applied, the soil to be treated shall be in friable condition with low moisture content so as to allow uniform distribution of the toxicant agents. Toxicant shall be applied at least twelve (12) hours prior to placement of concrete which shall be in contact with treated materials.
- Treatment of the soil on the exterior sides of the foundation walls, grade beams and similar structures shall be done prior to final grading and planting or landscaping work to avoid disturbance of the toxicant barriers by such operations.
- Areas to be covered by concrete slab shall be treated before placement of granular fill used as capillary water barrier at a rate of 12 liters per square meter with Type I working solution after it has been compacted and set to required elevation. Additional treatment shall be applied as follows:
 1. In critical areas such as utility openings for pipes, conduits and ducts, apply additional treatment at the rate of 6 liters per linear meter in a strip 150 mm to 200 mm wide.
 2. Along the exterior perimeter of the slab and under expansion joint, at the rate of 2.5 liters per linear meter in a strip 150 mm to 200 mm wide in a shallow trench.

Catch Basin (Concrete)

- This item shall consist of the construction or reconstruction of concrete catch basin using CHB in accordance with this Specification and in reasonably close conformity with the lines and grades shown on the Plans or as established by the Engineer.

Septic Tank

- This item shall consist of the construction of septic tank in accordance with this Specifications and in conformity with the lines and grades shown on the Plans or as established by the Engineer.

Sewer Line Works

- This item shall consist of furnishing all materials, equipment and labor for the complete sewerage system, is an underground pipe to transport sewage from the building (but not

storm water) to a sewage treatment plant or disposal. Sewerage system should keep the system in good condition.

- Use sewer pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Storm Drainage and Downspout

- This item shall consist of furnishing all materials, equipment and labor for the complete installation of the storm drainage system to include all pipings, gutters, canal, catch basins, junction boxes, handholes, manholes, and other appurtenant structures, and sewerage system to include all sanitary sewer piping and septic vault where no public sewer exist, from the building to the point of discharge.

Plumbing Works

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.
- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4" x 4" with the waste line, P-traps and vents.
- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.
- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Ceiling (4.5mm, Metal Frame, Fiber)

- This item of work includes the installation of ceiling by using 4.5mm thk Fiber Cement Board and Metal framing.
- The ceiling must be installed 100mm from the bottom of the roof beam.

- All materials shall be of approved high quality. Please refer to the plan for the complete details.

Steel Window

- This item of work includes the installation of Steel Window.
- Windows shall be of size and type indicated in the schedule and as specified therein.

Doors (Wooden Panel / Flush)

- All doors specified in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.
- Doors shall be extended through the full width of sills with ten on and mortise joints, glued well and planed. It shall hang straight and true to plumb.

Doors and Window Screen

- All doors and window screen in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.

Waterproofing (Cement-Base)

- Furnish all materials, equipment, labor, plant and other facilities to complete all waterproofing works as shown on the plans and hereinafter specified.
- All works included under this division shall be subject to the General Conditions accompanying these specifications. The contractor is required to refer especially thereto.
- All concrete surface shall be wood troweled smooth, firm, dry, clean and free of loose or foreign materials and without any projects, indentation and other imperfections.
- Apply 2 coats of cold applied waterproofing and vertical wall to a height of 10” (250mm) unless otherwise shown on the drawings the area to be waterproofed.
- Pour all holes of exterior concrete hollow blocks with class B concrete (coarse, aggregate shall be of such size so that no voids are formed).
- The installation of waterproofing shall be done by an approved roofing contractor by the manufacturer.
- No substitution of materials shall be made unless authorized in writing by the Architect prior to starting the work of waterproofing.

Glazed Tiles

- Glazed tile shall be cushion-edge locally manufactured of the size or type and pattern shown on drawings and/or specified above. Use Granito or Mariwasa or another approved equivalent.

Unglazed Tiles

- The process of firing the tiles infuses the glaze into the top layer of the clay of the tile. But, if no coating is applied on the tile before firing it, then it will be called an unglazed tile.

Tactiles (PWD Ramp)

- This item of work includes the installation of 20cm x 20cm tactiles for PWD Ramp.

Cement Plaster / Floor Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

CHB Non-Load Bearing, 100mm / 150mm (Incl. RSB)

- 100mm / 150mm thick for all interior walls unless otherwise indicated. Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.

Railings

- This item shall consist of furnishing and constructing posts and guardrails of the types called for in the contract and in accordance with this Specification, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Carpentry Works

- This item covers the supply of labor, materials and equipment necessary for the fabrication of White Board, Kitchen Cabinet, and Tables & Chair. All materials shall be of approved high quality. Please refer to the plan for the complete details.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

Part D. ELECTRICAL WORKS

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings
 - Wires and Wiring Devices
 - Panelboard with Main and Brain Breakers
 - Lighting Fixtures and Lamps
 - Grounding System
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

Part E. OTHER MISCELLANEOUS WORKS

Fire Alarm System

- This item shall consist of furnishing and installation of Fire Protection Sprinkler System (AFSS), refer to the plans specified:
 - 1 set Fire Extinguisher, 10lbs, ABC with bracket
 - 2 set Smoke detector w/ base, battery operated, 9volts
 - 1 set Fire Alarm Bell, 6" diameter
 - 1 set Fire Alarm Manual Station

Fabrication & Installation of Recognition Plate / Project Marker

- The works includes fabrication & installation of Recognition Plate / Project Marker using stainless steel.

Handwash Area

- This item shall consist of furnishing and construction of handwash area for in the contract and accordance with this Specifications, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Aluminum Cabinet

- The works includes fabrication and installation of cabinet using aluminum.

Part F. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

5. Construction of Child Development Center, Brgy. Visita, San Miguel Island, Tabaco City

Part A. EARTHWORKS

Clearing & Grubbing

- This item of work consists of clearing, grubbing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Grouted Riprap

- This Item shall consist of the furnishing and placing of riprap with or without grout as the case may be, with or without filter backing, furnished and constructed in accordance with this Specification and to the lines and grades and dimensions shown on the Plans.
- Stones for riprap shall consist of rock as nearly as rectangular in section as is practical, except that riprap of Class A may consist of round natural stones. The stones shall be sound, tough, durable, dense, resistant to the action of air and water, and suitable in all respects for the purpose intended.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Removal & Disposal of Excavated Materials

- This item of work consists of excavated materials or soil layers using manpower.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

PART B. PLAIN AND REINFORCED CONCRETE WORKS

Structural Concrete (Class A), 28 days

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

PART C. FINISHING AND OTHER CIVIL WORKS

Soil Poisoning

- This item shall consist of Cordoning and Drenching in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.
- At the time soil poisoning is to be applied, the soil to be treated shall be in friable condition with low moisture content so as to allow uniform distribution of the toxicant agents. Toxicant shall be applied at least twelve (12) hours prior to placement of concrete which shall be in contact with treated materials.
- Treatment of the soil on the exterior sides of the foundation walls, grade beams and similar structures shall be done prior to final grading and planting or landscaping work to avoid disturbance of the toxicant barriers by such operations.
- Areas to be covered by concrete slab shall be treated before placement of granular fill used as capillary water barrier at a rate of 12 liters per square meter with Type I working solution after it has been compacted and set to required elevation. Additional treatment shall be applied as follows:
 1. In critical areas such as utility openings for pipes, conduits and ducts, apply additional treatment at the rate of 6 liters per linear meter in a strip 150 mm to 200 mm wide.

2. Along the exterior perimeter of the slab and under expansion joint, at the rate of 2.5 liters per linear meter in a strip 150 mm to 200 mm wide in a shallow trench.

Catch Basin (Concrete)

- This item shall consist of the construction or reconstruction of concrete catch basin using CHB in accordance with this Specification and in reasonably close conformity with the lines and grades shown on the Plans or as established by the Engineer.

Septic Tank

- This item shall consist of the construction of septic tank in accordance with this Specifications and in conformity with the lines and grades shown on the Plans or as established by the Engineer.

Sewer Line Works

- This item shall consist of furnishing all materials, equipment and labor for the complete sewerage system, is an underground pipe to transport sewage from the building (but not storm water) to a sewage treatment plant or disposal. Sewerage system should keep the system in good condition.
- Use sewer pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Storm Drainage and Downspout

- This item shall consist of furnishing all materials, equipment and labor for the complete installation of the storm drainage system to include all pipings, gutters, canal, catch basins, junction boxes, handholes, manholes, and other appurtenant structures, and sewerage system to include all sanitary sewer piping and septic vault where no public sewer exist, from the building to the point of discharge.

Plumbing Works

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.

- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4" x 4" with the waste line, P-traps and vents.
- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.
- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Ceiling (4.5mm, Metal Frame, Fiber)

- This item of work includes the installation of ceiling by using 4.5mm thk Fiber Cement Board and Metal framing.
- The ceiling must be installed 100mm from the bottom of the roof beam.
- All materials shall be of approved high quality. Please refer to the plan for the complete details.

Steel Window

- This item of work includes the installation of Steel Window.
- Windows shall be of size and type indicted in the schedule and as specified therein.

Doors (Wooden Panel / Flush)

- All doors specified in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.
- Doors shall be extended through the full width of sills with ten on and mortise joints, glued well and planed. It shall hang straight and true to plump.

Doors and Window Screen

- All doors and window screen in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.

Waterproofing (Cement-Base)

- Furnish all materials, equipment, labor, plant and other facilities to complete all waterproofing works as shown on the plans and hereinafter specified.

- All works included under this division shall be subject to the General Conditions accompanying these specifications. The contractor is required to refer especially thereto.
- All concrete surface shall be wood troweled smooth, firm, dry, clean and free of loose or foreign materials and without any projects, indentation and other imperfections.
- Apply 2 coats of cold applied waterproofing and vertical wall to a height of 10” (250mm) unless otherwise shown on the drawings the area to be waterproofed.
- Pour all holes of exterior concrete hollow blocks with class B concrete (coarse, aggregate shall be of such size so that no voids are formed)
- The installation of waterproofing shall be done by an approved roofing contractor by the manufacturer.
- No substitution of materials shall be made unless authorized in writing by the Architect prior to starting the work of waterproofing.

Glazed Tiles

- Glazed tile shall be cushion-edge locally manufactured of the size or type and pattern shown on drawings and/or specified above. Use Granito or Mariwasa or another approved equivalent.

Unglazed Tiles

- The process of firing the tiles infuses the glaze into the top layer of the clay of the tile. But, if no coating is applied on the tile before firing it, then it will be called an unglazed tile.

Tactiles (PWD Ramp)

- This item of work includes the installation of 20cm x 20cm tactiles for PWD Ramp.

Cement Plaster / Floor Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

CHB Non-Load Bearing, 100mm / 150mm (Incl. RSB)

- 100mm / 150mm thick for all interior walls unless otherwise indicated. Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.

Railings

- This item shall consist of furnishing and constructing posts and guardrails of the types called for in the contract and in accordance with this Specification, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Carpentry Works

- This item covers the supply of labor, materials and equipment necessary for the fabrication of White Board, Kitchen Cabinet, and Tables & Chair. All materials shall be of approved high quality. Please refer to the plan for the complete details.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

Part D. ELECTRICAL WORKS

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings
 - Wires and Wiring Devices
 - Panelboard with Main and Branch Breakers
 - Lighting Fixtures and Lamps
 - Grounding System
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

Part E. OTHER MISCELLANEOUS WORKS

Fire Alarm System

- This item shall consist of furnishing and installation of Fire Protection Sprinkler System (AFSS), refer to the plans specified:
 - 1 set Fire Extinguisher, 10lbs, ABC with bracket
 - 2 set Smoke detector w/ base, battery operated, 9volts
 - 1 set Fire Alarm Bell, 6" diameter
 - 1 set Fire Alarm Manual Station

Fabrication & Installation of Signages & Logo

- The works includes fabrication of Signages and Logo using stainless steel.

Handwash Area

- This item shall consist of furnishing and construction of handwash area for in the contract and accordance with this Specifications, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Aluminum Cabinet

- The works includes fabrication and installation of cabinet using aluminum.

Part F. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

6. Construction of Evacuation Center, Brgy. Baranghawon, Tabaco City

I. CONSTRUCTION OF BUILDING

Part A. EARTHWORKS

Removal of Structures and Obstruction

- This item of work consists of removal of structures and obstruction using jackhammer with air compressor, concrete cutter and stake truck.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Embankment from Borrow

- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Part B. PLAIN AND REINFORCED CONCRETE WORKS

Structural Concrete (Class A), 28 days

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Part C. FINISHING AND OTHER CIVIL WORKS

Soil Poisoning

- This item shall consist of Cordoning and Drenching in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.
- At the time soil poisoning is to be applied, the soil to be treated shall be in friable condition with low moisture content so as to allow uniform distribution of the toxicant agents. Toxicant shall be applied at least twelve (12) hours prior to placement of concrete which shall be in contact with treated materials.
- Treatment of the soil on the exterior sides of the foundation walls, grade beams and similar structures shall be done prior to final grading and planting or landscaping work to avoid disturbance of the toxicant barriers by such operations.
- Areas to be covered by concrete slab shall be treated before placement of granular fill used as capillary water barrier at a rate of 12 liters per square meter with Type I

working solution after it has been compacted and set to required elevation. Additional treatment shall be applied as follows:

1. In critical areas such as utility openings for pipes, conduits and ducts, apply additional treatment at the rate of 6 liters per linear meter in a strip 150 mm to 200 mm wide.
2. Along the exterior perimeter of the slab and under expansion joint, at the rate of 2.5 liters per linear meter in a strip 150 mm to 200 mm wide in a shallow trench.

Septic Vault

- This item shall consist of the construction of septic tank in accordance with this Specifications and in conformity with the lines and grades shown on the Plans or as established by the Engineer.

Sewer Line Works

- This item shall consist of furnishing all materials, equipment and labor for the complete sewerage system, is an underground pipe to transport sewage from the building (but not storm water) to a sewage treatment plant or disposal. Sewerage system should keep the system in good condition.
- Use sewer pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Storm Drainage and Downspout

- This item shall consist of furnishing all materials, equipment and labor for the complete installation of the storm drainage system to include all pipings, gutters, canal, catch basins, junction boxes, handholes, manholes, and other appurtenant structures, and sewerage system to include all sanitary sewer piping and septic vault where no public sewer exist, from the building to the point of discharge.

Plumbing Fixtures / Cold Water Lines

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.

- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4" x 4" with the waste line, P-traps and vents.
- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.
- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Ceiling (4.5mm, Metal Frame, Fiber Cement Board)

- This item of work includes the installation of ceiling by using 4.5mm thk Fiber Cement Board and Metal framing.
- The ceiling must be installed 100mm from the bottom of the roof beam.
- All materials shall be of approved high quality. Please refer to the plan for the complete details.

Steel Window

- This item of work includes the installation of Steel Window.
- Windows shall be of size and type indicted in the schedule and as specified therein.

Glass Block

- This item of work includes the installation of glass block in accordance with the specification.

Doors (Wooden Panel / Flush)

- All doors specified in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.
- Doors shall be extended through the full width of sills with ten on and mortise joints, glued well and planed. It shall hang straight and true to plump.

Roll-up Doors

- This item shall consist of furnishing all plant, labor, tools, equipment and rolling up door required as shown on the Plans and in accordance with this Specification.

Unglazed Tiles

- The process of firing the tiles infuses the glaze into the top layer of the clay of the tile. But, if no coating is applied on the tile before firing it, then it will be called an unglazed tile.

Glazed Tiles

- Glazed tile shall be cushion-edge locally manufactured of the size or type and pattern shown on drawings and/or specified above. Use Granito or Mariwasa or another approved equivalent.

Tactiles (PWD Ramp)

- This item of work includes the installation of 20cm x 20cm tactiles for PWD Ramp.

Cement Plaster / Floor Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

CHB Non-Load Bearing, 100mm / 150mm (Incl. RSB)

- 100mm / 150mm thick for all interior walls unless otherwise indicated. Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.

Railings

- This item shall consist of furnishing and constructing posts and guardrails of the types called for in the contract and in accordance with this Specification, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with

painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.

- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

Fabrication & Installation of Signages & Logo

- The works includes fabrication of Signages and Logo using stainless steel.

Part D. MECHANICAL WORKS

Water Pumping System

- This item shall consist of furnishing and installation of water pumping system, inclusive of all pipings and pipe fitting connections, valves, controls, electrical wirings, tanks and all accessories ready for service in accordance with the approved Plans and Specifications.

Fire Protection Sprinkle System (AFSS)

- This item shall consist of furnishing and installation of Fire Protection Sprinkler System (AFSS), refer to the plans specified:
 - 4 set Fire Extinguisher, 10lbs, ABC with bracket
 - 8 set Smoke detector w/ base, battery operated, 9volts
 - 2 set Fire Alarm Bell, 6" diameter
 - 2 set Fire Alarm Manual Station

Part E. ELECTRICAL WORKS

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings
 - Wires and Wiring Devices
 - Panelboard with Main and Brain Breakers
 - Lighting Fixtures and Lamps
 - Grounding System
 - Generator
 - Solar Flood Light
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

II. CONSTRUCTION OF DRAINAGE CANAL

Removal of Structures and Obstruction

- This item of work consists of removal of structures and obstruction using jackhammer with air compressor, concrete cutter and stake truck.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

RCPC (0.45m Ø)

- This item of work shall consist of the installation of 31 linear meter RCPC, 0.45m. in diameter used to connect water from a stream or direct flows to a designated portion of the channel.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Manhole with Cover

- This Item shall consist of the construction of manhole with cover in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Structural Concrete

- All concrete surfaces including those indicated as cement plaster on drawings, in all interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices and for drying forms shall be cut off beneath the surface finishes. All hole voids and other defer shall be enlarged, roughened and required with a mortar of the same grade as that even surface similar concrete surfaces to the satisfaction of the engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm and shall thereafter be filled with a mortar of the same grade as that in the original surface.

Gravel Fill

- This item shall consist of placing 100mm thk gravel fill in accordance with the specification and in conformity with the line, grades and dimensions shown on the plans or established by the engineer.

III. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

7. Improvement of Evacuation Center, Brgy. Pawa, Tabaco City

Part A. EARTHWORKS

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. 10
- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Part B. PLAIN AND REINFORCED CONCRETE WORKS

Structural Concrete (Class A), 28 days

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Part C. FINISHING AND OTHER CIVIL WORKS

Catch Basin (CHB)

- This item shall consist of the construction or reconstruction of concrete catch basin using CHB in accordance with this Specification and in reasonably close conformity with the lines and grades shown on the Plans or as established by the Engineer.

Sewer Line Works (Rough In)

- This item shall consist of furnishing all materials, equipment and labor for the complete sewerage system, is an underground pipe to transport sewage from the building (but not storm water) to a sewage treatment plant or disposal. Sewerage system should keep the system in good condition.
- Use sewer pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Storm Drainage and Downspout

- This item shall consist of furnishing all materials, equipment and labor for the complete installation of the storm drainage system to include all piping, gutters, canal, catch basins, junction boxes, handholes, manholes, and other appurtenant structures, and sewerage system to include all sanitary sewer piping and septic vault where no public sewer exist, from the building to the point of discharge.

Septic Vault

- This item shall consist of furnishing all materials, equipment and labor for the complete septic vault with 3 chambers and wall should be at least 80 to 100mm thick, though they can alternatively be construction of CHB. The tank must be completely watertight, and that is what matters. Concrete or other materials with adhesion properties should be used to place and seal the inlet and output pipes.

Plumbing Fixtures / Cold Water Lines

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.

- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4" x 4" with the waste line, P-traps and vents.
- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.
- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Louver Window

- This item of works includes the installation of louver window and shall be of size and type indicated in the schedule and as specified therein.

Doors and Windows

- This item of work includes the installation of doors and windows.
- Windows shall be of size and type indicated in the schedule and as specified therein.
- All doors specified in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.
- Doors shall be extended through the full width of sills with ten on and mortise joints, glued well and planed. It shall hang straight and true to plump.

Waterproofing (Cement-Base)

- Furnish all materials, equipment, labor, plant and other facilities to complete all waterproofing works as shown on the plans and hereinafter specified.
- All works included under this division shall be subject to the General Conditions accompanying these specifications. The contractor is required to refer especially thereto.
- All concrete surface shall be wood troweled smooth, firm, dry, clean and free of loose or foreign materials and without any projects, indentation and other imperfections.
- Apply 2 coats of cold applied waterproofing and vertical wall to a height of 10" (250mm) unless otherwise shown on the drawings the area to be waterproofed.
- Pour all holes of exterior concrete hollow blocks with class B concrete (coarse, aggregate shall be of such size so that no voids are formed)
- The installation of waterproofing shall be done by an approved roofing contractor by the manufacturer.

- No substitution of materials shall be made unless authorized in writing by the Architect prior to starting the work of waterproofing.

Unglazed Tiles

- The process of firing the tiles infuses the glaze into the top layer of the clay of the tile. But, if no coating is applied on the tile before firing it, then it will be called an unglazed tile.

Cement Floor Finish

- All concrete surfaces including those indicated as cement floor finish on plan, in all interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All holes, voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

Cement Plaster Finish

- This item shall consist of furnishing all cement plaster materials, labor, tools and equipment required in undertaking cement plaster finish as shown on the Plans and in accordance with this Specification. All concrete surfaces including those indicated as cement plaster on drawings, in all interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the Plans or established by the Engineer.

Painting Works (Masonry/Concrete)

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.

- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

CHB Non-Load Bearing, 100mm & 150mm (including Reinforcing Steel)

- This item shall consist of furnishing and placing of CHB Non-Load Bearing, 4" thick including reinforcing steel bar. Concrete masonry construction shall include the furnishing of all labor, material, and equipment, and performing all operations necessary to execute all concrete masonry construction, as specified.

Part D. ELECTRICAL WORKS

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings
 - Wires and Wiring Devices
 - Power Load Center, Switchgear and Panelboards
 - Air Conditioning and Refrigeration System
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

Part E. OTHER MISCELLANEOUS WORKS

Accordion

- This item of works includes the installation of accordion and shall be of size and type indicated in the schedule and as specified therein.

Furniture and Fixtures

- This item of works includes the fabrication and installation of furniture and fixtures and shall be of size and type indicated in the schedule and as specified therein.

Part F. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

8. Construction/Rehabilitation/Improvement of School Buildings and Other School Building Facilities for Public Elementary and Secondary Schools, Various Barangays, Tabaco City

ITEM I: Construction of Slope Protection, Bonot Elementary School, Brgy. Bonot, Tabaco City

Part A. CONSRUCTION OF SLOPE PROTECTION

Clearing and Grubbing

- This item of work consists of clearing, grubbing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Structure Excavation

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural

ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Grouted Riprap

- This Item shall consist of the furnishing and placing of riprap with or without grout as the case may be, with or without filter backing, furnished and constructed in accordance with this Specification and to the lines and grades and dimensions shown on the Plans.
- Stones for riprap shall consist of rock as nearly as rectangular in section as is practical, except that riprap of Class A may consist of round natural stones. The stones shall be sound, tough, durable, dense, resistant to the action of air and water, and suitable in all respects for the purpose intended.

Masonry Works

- This item of works includes the furnishing and installation of 4” concrete hollow blocks for exterior wall, reinforced with 10mm diameter rebars spaced at 600mm on center both ways. CHB shall be filled with mortar and ready to accept plaster finish.
- All masonry works shall be cement plastered smooth finish for the interior of the wall, and rough finished for the exterior.
- Forms shall result in a final structure that conforms to the shape, line and dimensions of the member as required by the design drawing and specifications. Forms shall be substantial and sufficiently tight to prevent leakage of the mortar. Forms and their support shall be designed so as not to damage previously placed structure.

Steel Works

- This item of works includes the fabrication and installation of railings and shall be of size and type indicated in the schedule and as specified therein.

Part B. CONSRUCTION OF LINE CANAL WITH STEEL GRATING

Clearing and Grubbing

- This item of work consists of clearing, grubbing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Structure Excavation

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the

Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Masonry Works

- This item of works includes the furnishing and installation of 4” concrete hollow blocks for exterior wall, reinforced with 10mm diameter rebars spaced at 600mm on center both ways. CHB shall be filled with mortar and ready to accept plaster finish.
- All masonry works shall be cement plastered smooth finish for the interior of the wall, and rough finished for the exterior.
- Forms shall result in a final structure that conforms to the shape, line and dimensions of the member as required by the design drawing and specifications. Forms shall be substantial and sufficiently tight to prevent leakage of the mortar. Forms and their support shall be designed so as not to damage previously placed structure.

Steel Works (Steel Grating)

- This item of works includes the fabrication and installation of steel grating and shall be of size and type indicated in the schedule and as specified therein.

Part C. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

ITEM II: Improvement of School Stage, Oras Elementary School, Brgy. Oras, Tabaco City

Part A. IMPROVEMENT OF SCHOOL STAGE

Demolition and Removal of Existing Structures

- This item of work includes demolition of the existing structures using Jack Hammer with air compressor and concrete cutter.

Structure Excavation

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).

- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Masonry Works

- This item of works includes the furnishing and installation of 4” concrete hollow blocks for exterior wall, reinforced with 10mm diameter rebars spaced at 600mm on center both ways. CHB shall be filled with mortar and ready to accept plaster finish.
- All masonry works shall be cement plastered smooth finish for the interior of the wall, and rough finished for the exterior.
- Forms shall result in a final structure that conforms to the shape, line and dimensions of the member as required by the design drawing and specifications. Forms shall be substantial and sufficiently tight to prevent leakage of the mortar. Forms and their support shall be designed so as not to damage previously placed structure.

Cement Plaster Finish

- This item shall consist of furnishing all cement plaster materials, labor, tools and equipment required in undertaking cement plaster finish as shown on the Plans and in accordance with this Specification. All concrete surfaces including those indicated as cement plaster on drawings, in all interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the Plans or established by the Engineer.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.

Waterproofing Works

- Furnish all materials, equipment, labor, plant and other facilities to complete all waterproofing works as shown on the plans and hereinafter specified.

- All works included under this division shall be subject to the General Conditions accompanying these specifications. The contractor is required to refer especially thereto.
- All concrete surface shall be wood troweled smooth, firm, dry, clean and free of loose or foreign materials and without any projects, indentation and other imperfections.
- Apply 2 coats of cold applied waterproofing and vertical wall to a height of 10” (250mm) unless otherwise shown on the drawings the area to be waterproofed.
- Pour all holes of exterior concrete hollow blocks with class B concrete (coarse, aggregate shall be of such size so that no voids are formed)
- The installation of waterproofing shall be done by an approved roofing contractor by the manufacturer.
- No substitution of materials shall be made unless authorized in writing by the Architect prior to starting the work of waterproofing.

Electrical Works

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings
 - Wires and Wiring Devices
 - Panelboard with Main and Branch Breakers
 - Lighting Fixtures and Lamps
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

Plumbing Works

- All works shall comply with the requirements and provisions of the National Plumbing Code of the Philippines.
- All fixtures shall be separately trapped. The trap shall be placed as near as possible to the fixtures
- No fixtures shall be double trapped.
- Horizontal waste lines shall be secured by hooks to the building frames or embedded in concrete whenever necessary.
- Horizontal waste line receiving the discharge from two or more fixtures shall be provided with the vents connected to the stack vents at least 1.20m from the floor level.

- Waterlines: potable waterline pipes shall be extended to all the fixture outlets and equipment from the gate valve near the riser.
- Provide and install complete floor drains shown on plans, brass or nickel plated 4" x 4" with the waste line, P-traps and vents.
- All pipes, fitting traps, fixtures, appurtenances and devices of plumbing and drainage system shall be inspected and approved by the architect/engineer to ensure compliance with the entire requirement of all codes and regulations referred in these specifications.
- Use sanitary pipes, fittings, accessories, materials and all work obviously necessary for the proper functioning of all specifications or indicated in the drawings are included in this work.

Restoration Works

- This item shall consist of restoration of damaged fences and driveway alleys that was damaged during the time of construction.

Part B. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

ITEM III: Construction of Slope Protection, Malictay High School, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City

Part A. CONSTRUCTION OF SLOPE PROTECTION

Structure Excavation

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer

sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Grouted Riprap

- This Item shall consist of the furnishing and placing of riprap with or without grout as the case may be, with or without filter backing, furnished and constructed in accordance with this Specification and to the lines and grades and dimensions shown on the Plans.
- Stones for riprap shall consist of rock as nearly as rectangular in section as is practical, except that riprap of Class A may consist of round natural stones. The stones shall be sound, tough, durable, dense, resistant to the action of air and water, and suitable in all respects for the purpose intended.

Part B. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

B. OTHER INFRASTRUCTURES

9. Fencing of Sanitary Landfill (SLF), Sitio Nagsipit, Brgy. Mariroc, Tabaco City

Part A. CONSTRUCTION OF 417.91 LM PERIMETER FENCE

Survey Works

- This item shall consist of furnishing the necessary equipment and material to survey, stake, calculate, and record data for the control of work in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or as established by the Engineer.

Clearing & Grubbing

- This item of work consists of clearing, grubbing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Structural Concrete (Class A), 28 days

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).

- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Masonry Works with Plaster Finish

- This item of works includes the furnishing and installation of 4” concrete hollow blocks for exterior wall, reinforced with 10mm diameter rebars spaced at 600mm on center both ways. CHB shall be filled with mortar and ready to accept plaster finish.
- All masonry works shall be cement plastered smooth finish for the interior of the wall, and rough finished for the exterior.
- Forms shall result in a final structure that conforms to the shape, line and dimensions of the member as required by the design drawing and specifications. Forms shall be substantial and sufficiently tight to prevent leakage of the mortar. Forms and their support shall be designed so as not to damage previously placed structure.

Installation of Barbed Wire

- This item shall consist of furnishing and installation of Fencing barbed wire in accordance with the approved Plans and Specifications.

Part B. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

10. Desilting/Dredging of Bombon River, Bombon-Pawa Section, Tabaco City

Clearing & Deepening of Waterways

- This item of work consists of clearing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

11. Desilting/Dredging of Tagas River, Bogñabong-Mariroc Section, Tabaco City

Clearing & Deepening of Waterways

- This item of work consists of clearing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

12. Improvement of Public Cemetery, Brgy. San Antonio, Tabaco City

Part B. FABRICATION & INSTALLATION STEEL GATE

Fabrication & Installation Steel Gate

- This item shall consist of fabrication and installation of steel gate with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Fabrication & Installation of Signages & Logo

- This item shall consist of fabrication and installation of signages and logo with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Part B. INSTALLATION OF STREETLIGHTS

Clearing & Grubbing

- This item of work consists of clearing, grubbing, removing, and disposing all vegetation and debris as designated in the Contract, except those objects that are designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.
- The engineer will establish the limits of work and designate all trees, shrubs, plants, and other things to remain. The Contractor shall preserve all objects designated to remain.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Part C. PLAIN AND REINFORCED CONCRETE WORKS

Structural Concrete (Class A), 28 days

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel (Deformed)

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Part D. INSTALLATION OF SOLAR STREETLIGHTS

Solar LED Streetlight

- Installation Solar LED Streetlights shall be done in accordance with the staking sheets, plans and specifications, and the construction drawings.
- The latest edition of the Philippine Electrical Code or DOE Roadway Lighting Guidelines shall be followed except where local regulations are more stringent, in which case local regulation shall govern.
- The location of street lighting posts shown on the drawing are approximate and the exact location shall be determined/establish by the engineer in the field.

Part E. OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

13. Improvement of Hiraya Manawari Nature Park, Brgy. San Vicente, Tabaco City

I. CONSTRUCTION OF WAITING AREA

Removal of Structures and Obstruction

- This item of work includes removal of other structures and obstruction using manpower.

Part A. Earthworks

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Embankment from Borrow

- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Part B. Plain and Reinforced Concrete Works

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Part C. Finishing and Other Civil Works

CHB Non-Load Bearing, 100mm (Incl. RSB)

- 100mm / 150mm thick for all interior walls unless otherwise indicated. Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.

Cement Plaster Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.

- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

Fabrication and Installation of Tubular Railing

- This item shall consist of furnishing and constructing posts and guardrails of the types called for in the contract and in accordance with this Specification, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

Doors

- All doors specified in the plan must be manufactured in accordance to its sizes and by a manufacturer of good quality.
- Doors shall be extended through the full width of sills with ten on and mortise joints, glued well and planed. It shall hang straight and true to plump.

Aluminum Glass Windows

- This item of work includes the installation of aluminum glass windows.
- Windows shall be of size and type indicated in the schedule and as specified therein.

Electrical Works

- The work to be undertaken here under includes the furnishing of all labor, materials, equipment, tools and supervision to the project and to complete the good working condition of the electrical system for the proposed building, refer to the plans specified:
 - Conduits, Boxes and Fittings (Conduit Works/ Conduit Rough-in)
 - Wires and Wiring Devices
 - Panelboard with Main and Branch Breakers
 - Lighting Fixtures and Lamps
- All works hereunder shall comply with the requirements of the latest edition of the Philippine Electrical Code of the Philippines and the Rules and Regulations of the Local Electric Company.

Plumbing Works

- Description This Item shall consist of furnishing all materials, tools, equipment and fixtures required as shown on the Plans for the satisfactory performance of the entire plumbing system including installation in accordance with the latest edition of the National Plumbing Code, and this Specification

II. CONSTRUCTION OF FENCE AND GATE

Removal of Structure and Obstruction

- This item of work consists of excavated materials or soil layers using jackhammer with air compressor, concrete cutter, stake truck, and manpower.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

CHB Non-Load Bearing, 100mm (Incl. RSB)

- 100mm / 150mm thick for all interior walls unless otherwise indicated. Use 400 psi for non-load bearing blocks and 700 psi for load bearing blocks where required.

Cement Plaster Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.

- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.
- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

Decorative Stone

- This item shall consist of Stone veneers in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Fabrication and Installation of Steel Gate and Fence

- This item shall consist of furnishing and constructing posts and guardrails of the types called for in the contract and in accordance with this Specification, at the locations, and in conformity with the lines and grades shown on the Plans, or as required by the Engineer.

III. CONSTRUCTION OF DRAINAGE & ROAD WORKS

Removal of Structure and Obstruction

- This item of work consists of excavated materials or soil layers using jackhammer with air compressor, concrete cutter, stake truck, and manpower.

Part A. RCPC

Manhole w/ cover

- This item shall consist of the construction of manholes, inlets and catch basins in accordance with this Specification and in reasonably close conformity with the lines and grades shown on the Plans or as established by the Engineer.

RCPC (0.60m Ø)

- This item of work shall consist of the installation of two 5 linear meter RCPC, 0.60m. in diameter used to connect water from a stream or direct flows to a designated portion of the channel.

Part B. Road Works

Subgrade Preparation

- This item shall consist of the preparation of the subgrade for the support of overlying structural layers. It shall extend to full width of the roadway. Unless authorized by the Engineer, subgrade preparation shall not be done unless the Contractor is able to start immediately the construction of the pavement structure.

Aggregate Base Course (150mm thk.)

- This item shall consist of furnishing, placing and compacting an aggregate base course on a prepared subgrade/subbase in accordance with this specification and the lines, grades, thickness and typical cross-sections shown on the Plans, or as established by the Engineer.
- Aggregate for base course shall consist of hard, durable particles or fragments of crushed stone, crushed slag or crushed or natural gravel and filler of natural or crushed sand or other finely divided mineral matter. The composite material shall be free from vegetable matter and lumps or balls of clay, and shall be of such nature that it can be compacted readily to form a firm, stable base.

Portland Cement Concrete Pavement (150mm thk.)

- This Item shall consist of pavement of Portland Cement Concrete, with or without reinforcement, constructed on the prepared base in accordance with this Specification and in conformity with lines, grades, thickness and typical cross-section shown on the Plans.
- with the lines, grades and dimensions shown on the Plans or established by the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Embankment from Borrow

- This item shall consist of the construction of embankment in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer.

IV. INSTALLATION OF SOLAR STREETLIGHTS

Removal of Structure and Obstruction

- This item of work consists of excavated materials or soil layers using jackhammer with air compressor, concrete cutter, stake truck, and manpower.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements may be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity with

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).

- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Solar LED Streetlight

- Installation Solar LED Streetlights shall be done in accordance with the staking sheets, plans and specifications, and the construction drawings.
- The latest edition of the Philippine Electrical Code or DOE Roadway Lighting Guidelines shall be followed except where local regulations are more stringent, in which case local regulation shall govern.
- The location of street lighting posts shown on the drawing are approximate and the exact location shall be determined/establish by the engineer in the field.

Cement Plaster Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

V. INSTALLATION OF PLAYGROUND EQUIPMENT

Removal of Structure and Obstruction

- This item of work consists of excavated materials or soil layers using jackhammer with air compressor, concrete cutter, stake truck, and manpower.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the

Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Steel Works

- This item of works includes the fabrication and installation of railings and shall be of size and type indicated in the schedule and as specified therein.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.

- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

VI. CONSTRUCTION OF CABANAS

Removal of Structure and Obstruction

- This item of work consists of excavated materials or soil layers using jackhammer with air compressor, concrete cutter, stake truck, and manpower.

Structure Excavation (Common Soil)

- This item of work consists of excavation of material in accordance with this Specification and in conformity with the lines, grades and dimensions shown on the Plans or established by the Engineer. The Contractor shall notify the Engineer sufficiently in advance of the beginning of any excavation so that cross-sectional elevations and measurements any be taken on the undisturbed ground. The natural ground adjacent to the structure shall not be disturbed without permission of the Engineer.

Embankment (from Structure Excavation)

- This Item shall consist of the construction of embankment from excavated materials in accordance with the specification and in conformity with the lines, grades and dimensions shown on the plans or established by the engineer.

Gravel Fill

- This item shall consist of placing 0.10m thick gravel fill in accordance with the specification and in conformity wit

Structural Concrete

- This item shall consist of furnishing, bending, placing and finishing concrete in all structures except pavements in accordance with this specification and conforming to the lines, grades, and dimensions shown on the Plans. Concrete shall consist of a mixture of Portland Cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

Reinforcing Steel

- This item covers the supply of labor, materials and equipment necessary for the installation of reinforcing steel bars (Grade 40) of structures. (Please refer to plans).
- Reinforcing bars shall be standard commercial, deformed steel such as NSC steel or other locally available equivalent. Steel bars shall be free from rust scales. Splices in bars shall be made at critical points of maximum stress.

Formworks and False Works

- This item shall consist of designing, constructing and removing forms and falsework to temporarily support concrete, girders and other structural elements until the structure is completed to the point it can support itself.

Cement Plaster Finish

- interior walls and other concrete surfaces without specified finish, shall be done and applied in accordance with the following provisions.
- Immediately after the removal of forms, all projecting wires and bolts and other devices used for trying forms shall be cut off at least ½ cm. beneath the surface finishes. All hole voids, depressions and other defects shall be enlarged, roughened and repaired with mortar of the same grade as that even surface similar surface all to the satisfaction of the Engineer. Cracks shall be cut out and the sides dove tailed to a depth of at least 5cm. and shall thereafter with a mortar of the same grade as that in the original surface.
- The concrete mixture to be used for all plastering works must be CLASS “A” MORTARS – 1:3 by volume.

Steel Works

- This item of works includes the fabrication and installation of railings and shall be of size and type indicated in the schedule and as specified therein.

Painting Works

- The works covered by this section of the specification consist in the proper preparation of surface, furnishing of labor, material tools appliances, scaffolding and other necessary equipment and in the performing of all operations in connection with painting, varnishing and wall paper works, complete in accordance with the color scheme and specified therein.

- This section of the specification covers the complete painting and finishing of the wood surface, the painting of plasters, concrete, unfinished metal and other surfaces throughout the interior and exterior of the building.
- All paint materials shall meet the requirements of the specifications by the standardization committee on supplies and shall be delivered on the job in the original container, with labels intact and seal unbroken.
- Tinting colors for all paint shall be colors in oil, ground and pure in linseed oil and of the grade obtainable.
- Color pigments shall be used to produce the exact shades of paint, which shall conform of the approved color scheme of the building.
- Except as otherwise noted, color of the priming coat shall be lighter than the body coat and color of the body lighter than the finish coat. The first coat shall be white.
- Wood surfaces shall be thoroughly cleaned, smoothly had pressed and well sand papered before any paint or finish is applied.
- Before applying paint to concrete, cement plaster or other cement finishes, etc. This surface must be allowed to dry thoroughly.

VII: OTHER GENERAL REQUIREMENTS

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

14. Sitio Electrification at San Miguel Island, Tabaco City

ITEM I: Electrification at Sitio Pupod (Kanan), Brgy, Hacienda, San Miguel Island, Tabaco City

Part A. POLES AND HARDWARES

Pole Staking and Pole Digging

- This item of work consists of clearing, pit digging, staking tables that are engineered data to determine conductor sags, spans, tensions, pole guys and anchors.
- This specification shall apply where poles are to be set in solid rock and where the hole is substantially vertical, approximately uniform in diameter and large enough to permit the use of tamping bars through the full depth of the hole.
- Poles shall be set in alignment and plumb except at corners, terminals, angles, junctions, or other points of strain, where they shall be set and raked against the strain so that the conductors are in line.
- Poles shall be raked against the conductor strain not less than 1-inch for each 10 feet of pole length nor more than 2 inches for each 10 feet of pole length after conductors are installed at the required tension.
- Pole holes shall be approximately 8 inches larger than the pole butt diameter and backfill shall be thoroughly tamped in full depth. Excess dirt shall be banked around the pole.
- Pole which has been in storage for more than 1 year from the date of treatment shall be ground line treated when installed.

Pole Dressing of Primary Pole Structures

- This item includes the preparation of the single-phase primary support, pole top assemblies including the installation of the neutral line support. Locknuts shall be installed with each nut, or other fastener on all bolts or threaded hardware such as insulator pins, upset bolts, double arming bolts, etc.
- When using high poles to clear the obstacles such as building, foreign wire crossings, railroads, etc., there shall be no up strain on pin-type or post-type insulators in grading the line each way to lower poles.

Pole Dressing of Secondary Pole Structures

- This item includes preparation of the single-phase secondary line support. It also includes the installation of the neutral line support. Locknuts shall be installed with each nut, or other fastener on all bolts or threaded hardware such as insulator pins, upset bolts, double arming bolts, bracket, clamp, etc.
- Secondary conductors may be bare or covered wires or multi-conductors service cable. The conductors shall be sagged in accordance with the manufacturer's recommendations.
- Conductors for secondary under build on primary lines will normally be bare, except in those instances where prevailing conditions may limit primary span lengths to the extent that covered wires or service cables may be used. Service drops shall be covered wire or service cable.

- Secondary and service drops shall be so installed as not to obstruct climbing space. There shall not be more than one splice per conductor in any span, and splices shall be located at least 10 feet from the conductor support. Where the same covered conductors or service cables are to be used for the secondary and service drops, they may be installed in one continuous run.

Installation of Grounding

- This item of work is consisting of installation of grounding system. In an electrical installation an earthing system or grounding system connects specific parts of that installation with the Earth's conductive surface for safety and functional purposes. The point of reference is the Earth's conductive surface.
- Grounds rods shall be driven full length undisturbed earth in accordance with the construction drawings. The top shall be at least 12 inches below the surface of the earth. The ground wire shall be attached to the rod with a clamp and shall be secured to the pole with staples. The staples on the ground wire shall be spaced 2 feet apart, except for a distance of 8 feet above from the top of the pole where they shall be 6 inches apart.
- All equipment shall have at least two connections from the frame, case or tank to the multi-ground neutral conductor.
- The equipment ground, neutral wires, and surge-protection equipment shall be interconnected and attached to a common ground wire.

Pole Erection

- This item of work includes the pole erection of 24 pieces of 30 feet tapered octagonal pole for the primary distribution lines and 2 pieces of 25 feet tapered octagonal pole for the secondary distribution line to the consumers.

Installation of Guying Assemblies

- This item of work includes the installation of guys having the required length and the spacing of insulator to the guy assembly. Guys shall be placed before the conductors are strung and shall be attached to the pole as shown in the construction drawings.

Installation of Anchors

- This item of work includes the excavation and installation of anchors. All anchors and rods shall be in line with the strain and shall be installed so that approximately 6 inches of the rod remain out of the ground. In cultivated fields or other locations, as deemed necessary, the projection of the anchor rod above earth may be increased to a maximum of 12 inches to prevent burial of the rod eye. The backfill of all anchor holes must be thoroughly tamped the full depth.
- After a cone anchor has been set in place, the hole shall be backfilled with coarse crushed rock for two feet above the anchor tamping during the filling. The remainder of the hole shall be backfilled and tamped with dirt.

Conductor, Stringing, Sagging and Tying

- This item of work includes the installation of conductors. Conductors must be handled with care. Conductors shall neither be trampled on nor run over by vehicles. Each reel shall be examined and the wire shall be inspected for cuts, links, or other injuries. Injured portions shall be cut out and the conductor spliced. The conductors shall be pulled over suitable rollers or stringing blocks properly mounted on the pole or crossarm if necessary to prevent binding while stringing.
- The neutral conductor should be maintained on one side of the pole (preferably the road side) for tangent construction and for angles not exceeding 20°.
- With pin-type or post-type insulators, the conductors shall be tied in the top groove of the insulator on tangent poles and on the side of the insulator away from the strain at angles. Pin-type and post-type insulators shall be tight on the pins and brackets, respectively, and the top groove must be in line with the conductor after tying.
- All conductors shall be cleaned thoroughly by wire brushing before splicing or installing connectors or clamps. A suitable inhibitor shall be used before splicing or applying connectors over aluminum conductor.
- Conductors shall be sagged in accordance with the conductor manufacturer's recommendations. All conductors shall be sagged evenly. The air temperature at the time and place of sagging shall be determined by a certified thermometer.

Transformer and KWHR Meter Accessories and Assembly

- This scope of works includes the assembly of transformer and KWHR Meter Accessories in accordance with the plan. Transformer and KWHR meter must be handled with care.

Part B. INSTALLATION OF TRANSFORMER AND ACCESSORIES INCLUDING BILL DEPOSIT/TESTING AND MOUNTING FEE

Transformer Testing and Mounting

- This scope of works includes transformer testing by the APEC. The external gap electrodes of surge arrester, combination arrester cutout units, and transformer mounted arresters shall be adjusted to the manufacturer's recommended spacing. Care shall be taken that the adjusted gap is not disturbed when the equipment is installed.
- Connectors and hot-line clamp suitable for the purpose shall be installed as shown on the guide drawings. On all hot-line clamp installations, the clamp and the jumper shall be installed so that they are permanently bonded to the load side of the line, allowing the jumper to be de-energized when the clamp is disconnected.
- All leads on equipment such as transformers, reclosers, etc., shall be a minimum of #6 copper conductivity. Where aluminum jumpers are used, a connection to an unplated bronze terminal shall be made by splicing a short stub of copper to the aluminum jumper using a compression connector suitable for the bimetallic connection.

ITEM II: Rehabilitation of Distribution Line at Sitio Hinabuyan, Brgy. Hacienda, San Miguel Island, Tabaco City

Part A. POLES AND HARDWARES

Pole Digging

- This item of work consists of clearing, pit digging, staking tables that are engineered data to determine conductor sags, spans, tensions, pole guys and anchors.
- This specification shall apply where poles are to be set in solid rock and where the hole is substantially vertical, approximately uniform in diameter and large enough to permit the use of tamping bars through the full depth of the hole.
- Poles shall be set in alignment and plumb except at corners, terminals, angles, junctions, or other points of strain, where they shall be set and raked against the strain so that the conductors are in line.
- Poles shall be raked against the conductor strain not less than 1-inch for each 10 feet of pole length nor more than 2 inches for each 10 feet of pole length after conductors are installed at the required tension.
- Pole holes shall be approximately 8 inches larger than the pole butt diameter and backfill shall be thoroughly tamped in full depth. Excess dirt shall be banked around the pole.
- Pole which has been in storage for more than 1 year from the date of treatment shall be ground line treated when installed.

Pole Dressing of Primary Pole Structures

- This item includes the preparation of the single-phase primary support, pole top assemblies including the installation of the neutral line support. Locknuts shall be installed with each nut, or other fastener on all bolts or threaded hardware such as insulator pins, upset bolts, double arming bolts, etc.
- When using high poles to clear the obstacles such as building, foreign wire crossings, railroads, etc., there shall be no up strain on pin-type or post-type insulators in grading the line each way to lower poles.

Pole Dressing of Secondary Pole Structures

- This item includes preparation of the single-phase secondary line support. It also includes the installation of the neutral line support. Locknuts shall be installed with each nut, or other fastener on all bolts or threaded hardware such as insulator pins, upset bolts, double arming bolts, bracket, clamp, etc.
- Secondary conductors may be bare or covered wires or multi-conductors service cable. The conductors shall be sagged in accordance with the manufacturer's recommendations.
- Conductors for secondary under build on primary lines will normally be bare, except in those instances where prevailing conditions may limit primary span lengths to the extent that covered wires or service cables may be used. Service drops shall be covered wire or service cable.

- Secondary and service drops shall be so installed as not to obstruct climbing space. There shall not be more than one splice per conductor in any span, and splices shall be located at least 10 feet from the conductor support. Where the same covered conductors or service cables are to be used for the secondary and service drops, they may be installed in one continuous run.

Erection and Straightening Pole Structures

- This item of work includes the pole erection of 24 pieces of 30 feet tapered octagonal pole for the primary distribution lines and 2 pieces of 25 feet tapered octagonal pole for the secondary distribution line to the consumers.

Installation of Guying Assemblies

- This item of work includes the installation of guys having the required length and the spacing of insulator to the guy assembly. Guys shall be placed before the conductors are strung and shall be attached to the pole as shown in the construction drawings.

Installation of Anchors Assembly

- This item of work includes the excavation and installation of anchors. All anchors and rods shall be in line with the strain and shall be installed so that approximately 6 inches of the rod remain out of the ground. In cultivated fields or other locations, as deemed necessary, the projection of the anchor rod above earth may be increased to a maximum of 12 inches to prevent burial of the rod eye. The backfill of all anchor holes must be thoroughly tamped the full depth.
- After a cone anchor has been set in place, the hole shall be backfilled with coarse crushed rock for two feet above the anchor tamping during the filling. The remainder of the hole shall be backfilled and tamped with dirt.

Conductor, Stringing, Sagging and Tying

- This item of work includes the installation of conductors. Conductors must be handled with care. Conductors shall neither be trampled on nor run over by vehicles. Each reel shall be examined and the wire shall be inspected for cuts, links, or other injuries. Injured portions shall be cut out and the conductor spliced. The conductors shall be pulled over suitable rollers or stringing blocks properly mounted on the pole or cross arm if necessary to prevent binding while stringing.
- The neutral conductor should be maintained on one side of the pole (preferably the road side) for tangent construction and for angles not exceeding 20°.
- With pin-type or post-type insulators, the conductors shall be tied in the top groove of the insulator on tangent poles and on the side of the insulator away from the strain at angles. Pin-type and post-type insulators shall be tight on the pins and brackets, respectively, and the top groove must be in line with the conductor after tying.
- All conductors shall be cleaned thoroughly by wire brushing before splicing or installing connectors or clamps. A suitable inhibitor shall be used before splicing or applying connectors over aluminum conductor.

- Conductors shall be sagged in accordance with the conductor manufacturer's recommendations. All conductors shall be sagged evenly. The air temperature at the time and place of sagging shall be determined by a certified thermometer.

Installation of Miscellaneous Assemblies

- This scope of works includes installation of the cut out and arrester combination, jumper, compression tap connectors from the source and to the load. Connectors and hot-line clamp suitable for the purpose shall be installed as shown on the guide drawings. On all hot-line clamp installations, the clamp and the jumper shall be installed so that they are permanently bonded to the load side of the line, allowing the jumper to be de-energized when the clamp is disconnected.
- Jumpers and other leads connected to line conductors shall have sufficient slack is not shown on the construction drawings, it will be provided by at least two bends in a vertical plane, or one in a horizontal plane, or the equivalent. in areas where aeolian vibration occurs, special measures to minimize the effects of jumper breaks shall be used as specified.

Part B. INSTALLATION OF TRANSFORMER AND ACCESSORIES INCLUDING BILL DEPOSIT/TESTING AND MOUNTING FEE

Installation of Transformer

- This scope of works includes the installation transformers. All leads on equipment such as transformers, reclosers, etc., shall be a minimum of #6 copper conductivity. Where aluminum jumpers are used, a connection to an unplated bronze terminal shall be made by splicing a short stub of copper to the aluminum jumper using a compression connector suitable for the bimetallic connection.

ITEM III: Other General Requirements

Bunkhouse (Rental Basis) and Other Facilities

- This item includes the construction of the temporary facilities for the engineer and a temporary bunkhouse for rental basis including the power and water supply for the storage of the materials / equipment needed for the whole duration of the project.

Project Billboard/ Signboard

- Fabrication & installation of plywood size (1.2m x 2.4m) standard billboard with coco lumber frame.

Occupational Construction Safety and Health

- The contractor needs to establish safety goals and objectives develop and implement a written Safety and Health program. The contractor also needs to provide a Part-Time Safety Practitioner and First Aider who undergone training at DOLE/ Red cross respectively.

Section VII. Drawings

Copy of the Plans and Drawings can be found online at:

<https://drive.google.com/drive/folders/10-FbD9lnb2AwDcYARAGraegpnN0Ew5V0>

Section VIII. Bill of Quantities

Project Title: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects
(Public Buildings & Other Infrastructure)

Location: Various Barangays, Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Approved Budget for the Contract (ABC): Php 49,860,015.85

Duration: 240 Calendar Days

BILL OF QUANTITIES

Item No.	Description of Work to be Done	Qty	Unit	Unit Price (Php)	Total Amount (Php)
A.	Public Building				
1	Rehabilitation/Improvement of Sweet Potato Processing Facility, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City				
	I	Demolition And Removal of Other Structures	83.70	sq.m	
	II	Structure Excavation	43.78	cu.m.	
	III	Embankment From Structure Excavation	36.49	cu.m.	
	IV	Embankment From Borrow	10.80	cu.m.	
	V	Gravelfill	7.43	cu.m.	
	VI	Structural Concrete	33.53	cu.m.	
	VII	Reinforcing Steel	3,701.64	kgs	
	VIII	Formworks & Falseworks	137.73	sq.m.	
	IX	Masonry Works	19.74	sq.m.	
	X	Cement Plaster Finish	39.48	sq.m.	
	XI	Cement Floor Finish	50.13	sq.m.	
	XII	Doors & Windows Installation	17.94	sq.m.	
	XIII	Electrical Works	1.00	lot	
	XIV	Plumbing Works	1.00	lot	
	B.	Other Requirements			
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot	
	II	Project Billboard/Signboard	2.00	unit	
	III	Occupational Construction Safety and Health	1.00	lot	
	<i>Subtotal</i>				
2	Rehabilitation/Improvement of San Miguel Lying-in K-linik, Brgy. Visita, San Miguel Island, Tabaco City				
	A.	Rehabilitation / Improvement of San Miguel Lying-in K-linik			
	I	Plumbing Works	1.00	lot	
	II	Painting Works	1,082.52	sq.m	
	III	Demolition Works	12.09	sq.m.	
	IV	Restoration Works	12.09	sq.m.	
	V	Wooden Cabinets	2.92	sq.m.	
	B.	Other Requirements			
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot	
	II	Project Billboard/Signboard	2.00	unit	
	III	Occupational Construction Safety and Health	1.00	lot	
	<i>Subtotal</i>				
3	Improvement of Multi-Purpose Hall (Women & Child Protection Building), Brgy. Quinale-Cabasan, Tabaco City				
	A.	Improvement of Building			
	Item I	Clearing & Demolition Works	76.68	sqm	
	Item II	Structure Excavation	34.36	cu.m.	

	Part D	Electrical Works				
	1100(10)	Conduits, Boxes & Fittings	1.00	l.s.		
	1101	Wires and Wiring Devices	1.00	l.s.		
	1102(1)	Panelboard with Main & Brain Breakers	1.00	l.s.		
	1103(1)	Lighting Fixtures & Lamps	1.00	l.s.		
	1109(1)	Grounding System	1.00	l.s.		
	Part E	Other Miscellaneous Works				
	1208	Fire Alarm System	1.00	l.s.		
	SPL-4	Fabrication & Installation of Signages & Logo	1.00	l.s.		
	SPL-5	Handwash Area	1.00	l.s.		
	SPL-6	Aluminum Cabinet	2.73	sq.m.		
	Part F	Other General Requirements				
	SPL-7	Bunkhouse and Other Facilities	1.00	l.s.		
	SPL-8	Project Billboard/Signboard	3.00	unit		
	B.7	Occupational Construction Safety and Health	1.00	l.s.		
						<i>Subtotal</i>
6	Construction of Evacuation Center, Brgy. Baranghawon, Tabaco City					
	I. Construction of Building					
	A	Earthworks				
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	177.16	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	47.28	cu.m.		
	804(1)b	Embankment (From Borrow)	48.99	cu.m.		
	804(4)	Gravel Fill	10.74	cu.m.		
	B	Plain And Reinforced Concrete Works				
	900(1)c1	Structural Concrete (Class A) 28 days	114.30	cu.m.		
	902(1)a	Reinforcing Steel	19,932.01	kgs		
	903(2)	Formworks and False Works	712.66	sq.m.		
	C	Finishing And Other Civil Works				
	1000(1)	Soil Poisoning	108.88	sq.m.		
	1001(11)	Septic Vault	1.00	l.s.		
	1001(8)	Sewer Line Works	1.00	l.s.		
	1001(9)	Storm Drainage and Downspout	1.00	l.s.		
	1002(4)	Plumbing Fixtures	1.00	l.s.		
	1002(24)	Cold Water Lines	1.00	l.s.		
	1003(1)b1	Ceiling (4.5mm, Metal Frame, Fiber Cement Board)	8.78	sq.m.		
	1005	Steel Window	27.90	sq.m.		
	SPL-1	Glass Block	8.32	sq.m.		
	1010(2)a	Doors (Wooden Panel / Flush)	4.83	sq.m.		
	1011	Roll-Up Doors	9.88	sq.m.		
	1016(1)a	Waterproofing (Cement-Base)	108.35	sq.m.		
	1018(2)	Unglazed Tiles	216.54	sq.m.		
	1018(5)	Glazed Tiles	60.03	sq.m.		
	SPL-2	Tactiles	8.94	sq.m.		
	1027(1)	Cement Plaster Finish	1,299.77	sq.m.		
	1027(2)	Cement Floor Finish	110.58	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	57.12	sq.m.		
	1046(2)a2	CHB Non Load Bearing, 150mm (Incl. RSB)	288.93	sq.m.		
	1051	Railings	183.38	l.m.		
	1032	Painting Works	1,308.59	sq.m.		
	SPL 3	Fabrication & Installation of Signages & Logo	1.00	l.s.		
	D	Mechanical Works				

	1201	Water Pumping System	1.00	l.s.		
	1202	Fire Protection Sprinkler System (AFSS)	1.00	l.s.		
	E	Electrical Works				
	1100(10)	Conduits, Boxes & Fittings	1.00	l.s.		
	1101	Wires and Wiring Devices	1.00	l.s.		
	1102(1)	Panelboard with Main & Brain Breakers	1.00	l.s.		
	1103(1)	Lighting Fixtures & Lamps	1.00	l.s.		
	1109(1)	Grounding System	1.00	l.s.		
	1102(16)	Generator	1.00	l.s.		
	SPL 5	Solar Flood Light	4.00	unit		
	II. Construction of Drainage Canal					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	31.24	cu.m.		
	500	RCPC (0.45 m ø)	33.00	l.m.		
	804(1)a	Embankment (From Structure Excavation)	17.04	cu.m.		
	SPL 6	Manhole with Cover	4.00	unit		
	SPL 7	Structural Concrete	5.20	cu.m.		
	804(4)	Gravel Fill	2.28	cu.m.		
	III. Other General Requirements					
	SPL 8	Bunkhouse (Rental Basis) and other facilities	1.00	l.s.		
	B.5	Project Billboard / Signboard	3.00	unit		
	B.7(1)	Occupational Construction Safety and Health	1.00	l.s.		
					Subtotal	
7	Improvement of Evacuation Center, Brgy. Pawa, Tabaco City					
	Part A.	Earthworks				
	803(1)a	Structural Excavation (Common Soil)	44.73	cu.m.		
	804(1)a	Embankment (from Structural Excavation)	30.07	cu.m.		
	804(1)b	Embankment (from Borrow)	18.95	cum		
	804(4)	Gravel Fill	5.76	cu.m.		
	Part B	Plain And Reinforced Concrete Works				
	900(1)c1	Structural Concrete (Class A) 28 days	41.06	cu.m.		
	902(1)a	Reinforcing Steel (Deformed, Grade 40)	6,177.41	kgs		
	903(2)	Formworks and False Works	168.80	sq.m.		
	Part C	Finishing And Other Civil Works				
	1001(5)b	Catch Basin (CHB)	5.00	ea.		
	1001(8)	Sewer Line Works	1.00	lot		
	1001(9)	Storm Drainage and Downspout	1.00	lot		
	1001(11)	Septic Vault	1.00	lot		
	1002(4)	Plumbing Fixtures	1.00	lot		
	1002(24)	Cold Water Lines	1.00	lot		
	1005(7)	Louver Window	5.76	sq.m.		
	1010(2)a	Doors and Windows	5.25	sqm		
	1016(1)a	Waterproofing (Cement-Base)	216.96	sq.m.		
	1018(2)	Unglazed Tiles	12.84	sq.m.		
	1021(1)b	Cement Floor Finish (Colored)	53.60	sq.m.		
	1027(1)	Cement Plaster Finish	444.64	sq.m.		
	1032(1)a	Painting Works (Masonry/Concrete)	525.24	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	30.00	sq.m.		
	1046(2)a2	CHB Non Load Bearing, 150mm (Incl. RSB)	149.47	sq.m.		
	Part D	Electrical				
	1100	Conduits, Boxes & Fittings	1.00	lot		
	1101	Wires and Wiring Devices	1.00	lot		

	1102	Power Load Center, Switchgear and Panelboards	1.00	lot		
	1200	Air Conditioning and Refrigeration System	1.00	set		
	Part E	Other Miscellaneous Works				
	SPL-1	Accordion	1.00	lot		
	SPL-2	Furniture and Fixtures	1.00	lot		
	Part F	Other General Requirements				
	SPL-3	Provision of Bunkhouse (Rental Basis) & Other Facilities	1.00	lot		
	B.5	Project Billboard/Signboard	2.00	unit		
	B.7(2)	Occupational Safety and Health Program	1.00	lot		
						<i>Subtotal</i>
8	Construction/Rehabilitation/Improvement of School Buildings and Other School Buildings Facilities for Public Elementary and Secondary Schools, Various Barangays, Tabaco City					
	Item I	Construction Of Slope Protection, Bonot Elementary School, Brgy. Bonot Tabaco City				
	A.	Construction of Slope Protection				
	I	Clearing And Grubbing	29.50	sq.m		
	II	Structure Excavation	8.26	cu.m.		
	III	Grouted Riprap	18.08	cu.m.		
	IV	Masonry Works	17.40	sq.m.		
	V	Steel Works	15.00	l.m.		
	B.	Construction of Line Canal with Steel Grating				
	I	Clearing And Grubbing	14.00	sq.m		
	II	Structure Excavation	7.20	cu.m.		
	III	Structural Concrete	1.00	cu.m.		
	IV	Reinforcing Steel	188.50	kgs		
	V	Masonry Works	16.00	sq.m.		
	VI	Steel Works (Steel Grating)	20.00	lm		
	C.	Other Requirements				
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot		
	II	Project Billboard/Signboard	2.00	unit		
	III	Occupational Construction Safety and Health	1.00	lot		
						<i>Subtotal-Item I</i>
	Item II	Improvement of School Stage, Oras Elementary School, Brgy. Oras, Tabaco City				
	A.	Improvement of School Stage				
	I	Demolition And Removal of Existing Structures	101.78	sqm		
	II	Structure Excavation	16.64	cu.m.		
	III	Embankment From Structure Excavation	12.53	cu.m.		
	V	Structural Concrete	18.05	cu.m.		
	VI	Reinforcing Steel	2,384.42	kgs		
	VII	Formworks & Falseworks	96.20	sq.m.		
	VIII	Masonry Works	17.00	sq.m.		
	IX	Cement Plaster Finish	180.56	sq.m.		
	X	Painting Works	139.91	sq.m.		
	XI	Waterproofing Works	67.28	sq.m.		
	XII	Electrical Works	1.00	lot		
	XIII	Plumbing Works	1.00	lot		
	XIV	Restoration Works	6.75	sq.m.		
	B.	Other Requirements				
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot		

	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
Subtotal-Item II							
	Item III	Construction of Slope Protection, Malictay High School, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City					
	A.	Construction of Slope Protection					
	I	Structure Excavation	55.34	cu.m.			
	II	Grouted Riprap	39.97	cu.m.			
	B.	Other Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
Subtotal-Item III							
	B. Other Infrastructure						
9	Fencing of Sanitary Landfill (SLF), Sitio Nagsipit, Brgy. Mariroc, Tabaco City						
	A.	Construction of 417.91 Lm Perimeter Fence					
	I	Survey Works	1.00	lot			
	I	Clearing And Grubbing	465.68	sq.m			
	II	Structure Excavation	373.33	cu.m.			
	III	Embankment From Structure Excavation	292.63	cu.m.			
	V	Gravel Fill	30.62	cu.m.			
	VI	Structural Concrete	103.21	cu.m.			
	VII	Reinforcing Steel	6,450.14	kgs			
	VIII	Formworks & Falseworks	171.52	sq.m.			
	IX	Masonry Works w/ Plaster Finish	366.61	sq.m.			
	XIII	Installation Of Barbed Wire	417.91	l.m			
	B.	Other Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
Subtotal							
10	Desilting/Dredging of Bombon River, Bombon-Pawa Section, Tabaco City						
	SPL-1	Clearing & Deepening of Waterways	28,223.97	cu.m			
	SPL-2	Fab/Installation of Billboard	2.00	unit			
	SPL-3	Occupational Construction Safety and Health	1.00	l.s			
Subtotal							
11	Desilting/Dredging of Tagas River, Bogñabong-Mariroc Section, Tabaco City						
	SPL-1	Clearing & Deepening of Waterways	28,198.96	cu.m			
	SPL-2	Fab/Installation of Billboard	2.00	unit			
	SPL-3	Occupational Construction Safety and Health	1.00	l.s			
Subtotal							
12	Improvement of Public Cemetery, Brgy. San Antonio, Tabaco City						
	A) Fabrication & Installation of Steel Gate and Signages and Logo						
	Part A	Finishing Works					
	SPL-1	Fabrication & Installation Steel Gate	1.00	L.S.			
	SPL-2	Fabrication & Installation of Signages & Logo	1.00	L.S.			
	B.) Installation of Streetlights						
	Part B	Earth Works					
	800(1)	Clearing and Grubbing	406.12	sq.m			
	803 (1) a	Structure Excavation (Common Soil)	10.88	cu. m			

	804 (1) a	Embankment (From Structure Excavation)	10.42	cu. m		
	804(4)	Gravel Fill	0.61	cu. m		
	Part C	Plain And Reinforced Concrete Works				
	900 (1)c1	Structural Concrete (Class A) 28 days	2.45	cu.m.		
	902 (1)a	Reinforcing Steel (Deformed Grade 40)	350.10	kgs		
	903 (2)	Formworks and False Works	24.48	sq.m.		
	Part D	Installation Of Solar Streetlights				
	624 (8)	Solar LED Streetlight	17.00	unit		
	Part E	Other General Requirements				
	SPL-3	Provision of Bunkhouse (Rental Basis) & Other Facilities	1.00	L.S.		
	B.5	Project Billboard/Signboard	3.00	unit		
	B.7(2)	Occupational Safety and Health Program	1.00	L.S.		
						<i>Subtotal</i>
13	Improvement of Hiraya Manawari Nature Park, Brgy. San Vicente, Tabaco City					
	I. Construction of Waiting Area					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	Part A: Earthworks					
	803(1)a	Structure Excavation (Common Soil)	26.32	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	16.53	cu.m.		
	804(4)	Gravel Fill	4.29	cu.m.		
	Part B: Plain and Reinforced Concrete Works					
	900(1)c1	Structural Concrete	17.17	cu.m.		
	902(1)a	Reinforcing Steel	1,943.87	kgs		
	903(2)	Formworks and False Works	150.87	sq.m.		
	Part C: Finishing and Other Civil Works					
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	51.24	sq.m.		
	1027(1)	Cement Plaster Finish	231.50	sq.m.		
	1032	Painting Works	243.38	sq.m.		
	SPL 1	Fabrication and Installation of Tubular Railing	1.00	l.s.		
	1010(2)a	Doors	2.87	sq.m.		
	1008(2)	Aluminum Glass Windows	2.80	sq.m.		
	SPL 2	Electrical Works	1.00	l.s.		
	SPL 3	Plumbing Works	1.00	l.s.		
	II. Construction of Fence and Gate					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	21.20	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	9.73	cu.m.		
	804(4)	Gravel Fill	2.68	cu.m.		
	900(1)c1	Structural Concrete	8.54	cu.m.		
	902(1)a	Reinforcing Steel	627.05	kgs		
	903(2)	Formworks and False Works	61.46	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	37.93	sq.m.		
	1027(1)	Cement Plaster Finish	48.21	sq.m.		
	1032	Painting Works	127.13	sq.m.		
	1027(3)	Decorative Stone	9.70	sq.m.		
	SPL 4	Fabrication and Installation of Steel Gate and Fence	79.75	sq.m.		
	III. Construction of Drainage & Road Works					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	Part A: RCPC					
	SPL 5	Manhole with Cover	2.00	unit		

	500	RCPC (0.6 m ϕ)	18.00	l.m.		
Part B: Road Works						
	105	Subgrade Preparation	99.34	sq.m.		
	201	Aggregate Base Course (150 mm thk)	14.90	cu.m.		
	311	PCCP (150 mm thk)	10.54	sq.m.		
	804(4)	Gravel Fill	2.91	cu.m.		
	804(1)b	Embankment (From Borrow)	24.00	cu.m.		
IV. Installation of Solar Streetlights						
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	5.39	cu.m.		
	804(4)	Gravel Fill	0.40	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	3.41	cu.m.		
	903(2)	Formworks and False Works	20.24	sq.m.		
	902(1)a	Reinforcing Steel	496.68	kgs		
	900(1)c1	Structural Concrete	1.58	cu.m.		
	SPL 6	Solar LED Streetlight	11.00	unit		
	1027(1)	Cement Plaster Finish	1.32	sq.m.		
V. Installation of Playground Equipment						
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	0.91	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	0.65	cu.m.		
	900(1)c1	Structural Concrete	0.26	cu.m.		
	902(1)a	Reinforcing Steel	68.89	kgs		
	903(2)	Formworks and False Works	5.28	sq.m.		
	SPL 7	Steel Works	1.00	l.s.		
	1032	Painting Works	25.53	sq.m.		
VI. Construction of Cabanas						
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	8.83	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	7.41	cu.m.		
	804(4)	Gravel Fill	7.68	cu.m.		
	900(1)c1	Structural Concrete	8.35	cu.m.		
	902(1)a	Reinforcing Steel	1,619.18	kgs		
	903(2)	Formworks and False Works	81.08	sq.m.		
	1027(1)	Cement Plaster Finish	81.08	sq.m.		
	SPL 8	Steel Works	1.00	l.s.		
	1032	Painting Works	178.60	sq.m.		
VII. Other General Requirements						
	SPL 9	Bunkhouse (Rental Basis) and other facilities	1.00	l.s.		
	B.5	Project Billboard / Signboard	2.00	unit		
	B.7(1)	Occupational Construction Safety and Health	1.00	l.s.		
					Subtotal	
14	Sitio Electrification at San Miguel Island, Tabaco City					
I. Electrification at Sitio Pupod (Kanan), Brgy. Hacienda, San Miguel Island, Tabaco City						
A. Poles and Hardwares						
	I	Pole Staking and Pole Digging	13.00	unit		
	II	Pole Dressing of Primary Pole Structures	8.00	set		
	III	Pole Dressing of Secondary Pole Structures	30.00	set		
	IV	Installation of Grounding	12.00	set		
	V	Pole Erection	13.00	pc		
	VI	Installation of Guying Assemblies	10.00	set		

	VII	Installation of Anchors	11.00	set			
	VIII	Conductor, Stringing, Sagging and Tying	2,436.00	meter			
	IX	Transformer and KWHR Meter Accessories and Assembly	2.00	set			
	B.	Installation of Transformer and Accessories Including Bill Deposit / Testing and Mounting Fee					
	I	Transformer Testing and Mounting	1.00	unit			
	II. Rehabilitation of Distribution Line at Sitio Hinabuyan, Brgy. Hacienda, San Miguel Island, Tabaco City						
	A.	Poles and Hardwares					
	I	Pole Digging	11.78	cu.m			
	II	Pole Dressing Primary Pole Structures	3.00	set			
	III	Pole Dressing of Secondary Pole Structures	9.00	set			
	IV	Erection and Straightening of Leaning Pole	1.00	lot			
	V	Installation of Guying Assemblies	6.00	set			
	VI	Installation of Anchors Assembly	6.00	set			
	VII	Conductor, Stringing, Sagging and Tying	2,234.00	meter			
	VIII	Installation of Miscellaneous Assemblies	6.00	set			
	B.	Installation of Transformer and Accessories Including Bill Deposit / Testing and Mounting Fee					
	I	Installation of Transformer	1.00	unit			
	III. Other General Requirements						
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
					<i>Subtotal</i>		
					GRAND TOTAL		

Name of the Company/Bidder	Name of Authorized Representative	Signature of Authorized Representative

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)

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.

Annex A. Forms & Templates

Name of the Procuring Entity: LGU-Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Name of the Project: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure)

Project Location: Various Barangays, Tabaco City

Statement of SINGLE LARGEST COMPLETED CONTRACT (SLCC) which is similar in nature

Business Name : _____

Business Address : _____

Name of Contract	a. Owner Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Amount at Award b. Amount at Completion c. Duration	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		

Note: This statement shall be supported with:

- 1 Notice of Award and/ or Notice to Proceed;**
- 2 Owner's Certificate of Final Acceptance or Completion, or**
- 3 CPES Satisfactory Final Rating**

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

Name of the Procuring Entity: LGU-Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Name of the Project: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure)

Project Location: Various Barangays, Tabaco City

Net Financial Contracting Capacity (NFCC)

- A. Summary of the Applicant Supplier's/Distributor's/Manufacturer's assets and liabilities on the basis of the attached income tax return and audited financial statement, stamped "RECEIVED" by the Bureau of Internal Revenue or BIR authorized collecting agent, for the immediately preceding year and a certified copy of Schedule of Fixed Assets particularly the list of construction equipment.

		Year <u>2023</u>
1.	Total Assets	
2.	Current Assets	
3.	Total Liabilities	
4.	Current Liabilities	
5.	Net Worth (1-3)	
6.	Net Working Capital (2-4)	

- B. The Net Financial Contracting Capacity (NFCC) based on the above data is computed as follows:

NFCC = 15 (current asset – current liabilities) minus value of all outstanding works under ongoing contracts including awarded contracts yet to be started

NFCC = P _____

Herewith attached are certified true copies of the income tax return and audited financial statement: stamped "RECEIVED" by the BIR or BIR authorized collecting agent for the immediately preceding year.

Submitted by:

Name of Supplier / Distributor / Manufacturer

Signature of Authorized Representative

Date : _____

Bid Securing Declaration Form

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

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

BID SECURING DECLARATION
Project Identification No.: 024-07-2024-INFRA-PB
Construction/ Rehabilitation/ Improvement of Various Infrastructure
Projects (Public Buildings & Other Infrastructure)
Various Barangays, Tabaco City

To: **The City Government of Tabaco**
Tabaco City

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]

Name of the Procuring Entity: LGU-Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Name of the Project: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure)

Project Location: Various Barangays, Tabaco City

QUALIFICATION OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT

Business Name : _____

		Project Manager	Project Engineer	Materials Engineer	Construction Foreman	Safety Officer	First Aider	Other positions deemed required by the Applicant for this project
1	Name							
2	Address							
3	Date of Birth							
4	Employed Since							
5	Experience							
6	Previous Employment							
7	Education							
8	PRC License							

Business Address: _____

Note: Attach individual resume and PRC License of the (professional) personnel

Submitted by : _____
(Printed Name & Signature)

Designation : _____

Date : _____

Name of the Procuring Entity: LGU-Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Name of the Project: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure)

Project Location: Various Barangays, Tabaco City

List of Equipment, Owned or Leased and/or under Purchase Agreements, Pledged to the Proposed Contract

Business Name : _____

Business Address: _____

Description	Quantity	Model/ Year	Capacity / Performance / Size	Plate No.	Motor No. / Body No.	Location	Condition	Proof of Ownership / Lessor or Vendor
A. Owned								
i.								
ii.								
iii.								
iv.								
v.								
B. Leased								
i.								
ii.								
iii.								
iv.								
v.								
C. Under Purchase Agreements								
i.								
ii.								
iii.								
iv.								

Submitted by : _____

(Printed Name & Signature)

Designation : _____

Date : _____

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

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

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

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC),

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

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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

Bid Form for the Procurement of Infrastructure Projects

BID FORM

Date : _____
Project Identification No.: 024-07-2024-INFRA-PB

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 allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ 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;
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- 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: _____

¹ currently based on GPPB Resolution No. 09-2020

Name of the Procuring Entity: LGU-Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Name of the Project: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure)

Project Location: Various Barangays, Tabaco City

BILL OF QUANTITIES

Item No.	Description of Work to be Done	Qty	Unit	Unit Price (Php)	Total Amount (Php)
A.	Public Building				
1	Rehabilitation/Improvement of Sweet Potato Processing Facility, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City				
	I	Demolition And Removal of Other Structures	83.70	sq.m	
	II	Structure Excavation	43.78	cu.m.	
	III	Embankment From Structure Excavation	36.49	cu.m.	
	IV	Embankment From Borrow	10.80	cu.m.	
	V	Gravelfill	7.43	cu.m.	
	VI	Structural Concrete	33.53	cu.m.	
	VII	Reinforcing Steel	3,701.64	kgs	
	VIII	Formworks & Falseworks	137.73	sq.m.	
	IX	Masonry Works	19.74	sq.m.	
	X	Cement Plaster Finish	39.48	sq.m.	
	XI	Cement Floor Finish	50.13	sq.m.	
	XII	Doors & Windows Installation	17.94	sq.m.	
	XIII	Electrical Works	1.00	lot	
	XIV	Plumbing Works	1.00	lot	
	B.	Other Requirements			
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot	
	II	Project Billboard/Signboard	2.00	unit	
	III	Occupational Construction Safety and Health	1.00	lot	
	<i>Subtotal</i>				
2	Rehabilitation/Improvement of San Miguel Lying-in K-linik, Brgy. Visita, San Miguel Island, Tabaco City				
	A.	Rehabilitation / Improvement of San Miguel Lying-in K-linik			
	I	Plumbing Works	1.00	lot	
	II	Painting Works	1,082.52	sq.m	
	III	Demolition Works	12.09	sq.m.	
	IV	Restoration Works	12.09	sq.m.	
	V	Wooden Cabinets	2.92	sq.m.	
	B.	Other Requirements			
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot	
	II	Project Billboard/Signboard	2.00	unit	
	III	Occupational Construction Safety and Health	1.00	lot	
	<i>Subtotal</i>				
3	Improvement of Multi-Purpose Hall (Women & Child Protection Building), Brgy. Quinale-Cabasan, Tabaco City				
	A.	Improvement of Building			
	Item I	Clearing & Demolition Works	76.68	sqm	
	Item II	Structure Excavation	34.36	cu.m.	
	Item III	Embankment From Structure Excavation	13.87	cu.m.	
	Item IV	Embankment From Borrow	7.80	cu.m.	
	Item V	Gravel Fill	6.59	cu.m.	
	Item VI	Reinforced Concrete	22.36	cu.m.	

	Item VII	Reinforcing Steel	2,597.20	kgs		
	Item VIII	Formworks & Falseworks	244.76	sqm		
	Item IX	Drywall	10.64	sqm		
	Item X	Ceiling	75.00	sqm		
	Item XI	Masonry Works (Including Plaster Finish)	134.44	sqm		
	Item XII	Aluminum Glass Partition	14.04	sqm		
	Item XIII	Aluminum Glass Windows	5.28	sqm		
	Item XIV	Aluminum Framed Glass Doors	8.82	sqm		
	Item XV	Ceramic Tiles	102.68	sqm		
	Item XVI	Railings	5.92	lm		
	Item XVII	Electrical Works	1.00	lot		
	Item XVIII	Plumbing & Sanitary Works	1.00	lot		
	Item XIX	Mechanical Works	1.00	lot		
	Item XX	Removal Of Unsuitable Materials	7.67	cu.m.		
	B.	Other Requirements				
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot		
	II	Project Billboard/Signboard	2.00	unit		
	III	Occupational Construction Safety and Health	1.00	lot		
					<i>Subtotal</i>	
4	Construction of Child Development Center, Brgy. Fatima, Tabaco City					
	Part A	Earthworks				
	1700	Clearing and Grubbing	112.80	sq.m.		
	803(1)a	Structure Excavation (Common Soil)	78.50	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	66.63	cu.m.		
	804(1)b	Embankment (From Borrow)	39.00	cu.m.		
	804(4)	Gravel Fill	13.28	cu.m.		
	Part B	Plain and Reinforced Concrete Works				
	900(1)c1	Structural Concrete (Class A) 28 days	43.06	cu.m.		
	902	Reinforcing Steel (Deformed)	8,896.95	kgs		
	903(2)	Formworks and False Works	118.00	sq.m.		
	Part C	Finishing and Other Civil Works				
	1000(1)	Soil Poisoning	118.00	liters		
	1001(5)a	Catch Basin (Concrete)	7.00	each		
	1001(5)b	Septic Tank	1.00	l.s		
	1001(8)	Sewer Line Works	1.00	l.s		
	1001(9)	Storm Drainage and Downspout	1.00	l.s		
	1002(4)	Plumbing Works	1.00	l.s		
	1003(1)b1	Ceiling (4.5mm, Metal Frame, Fiber Cement Board)	70.48	sq.m.		
	1005	Steel Windows	14.43	sq.m.		
	1010(2)a	Doors (Wooden Panel / Flush)	5.46	sq.m.		
	SPL-1	Doors and Window Screen	18.63	sq.m.		
	1016(1)a	Waterproofing (Cement-Base)	112.38	sq.m.		
	1018(2)	Unglazed Tiles	6.38	sq.m.		
	1018(5)	Glazed Tiles	27.47	sq.m.		
	SPL-2	Tactiles (PWD Ramp)	7.56	sq.m.		
	1027(1)	Cement Plaster Finish	445.32	sq.m.		
	1021	Cement Floor Finish	90.35	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	19.11	sq.m.		
	1046(2)a2	CHB Non Load Bearing, 150mm (Incl. RSB)	171.15	sq.m.		
	1051	Railings	66.30	LM		
	1003	Carpentry Works	5.76	sq.m.		
	1032	Painting Works	547.63	sq.m.		
	Part D	Electrical Works				

	1100(10)	Conduits, Boxes & Fittings	1.00	l.s.		
	1101	Wires and Wiring Devices	1.00	l.s.		
	1102(1)	Panelboard with Main & Brain Breakers	1.00	l.s.		
	1103(1)	Lighting Fixtures & Lamps	1.00	l.s.		
	1109(1)	Grounding System	1.00	l.s.		
	Part E	Other Miscellaneous Works				
	1208	Fire Alarm System	1.00	l.s.		
	SPL-3	Fabrication & Installation of Recognition Plate / Project Marker	1.00	l.s.		
	SPL-4	Handwash Area	1.00	l.s.		
	SPL-5	Aluminum Cabinet	2.73	sq.m.		
	Part F	Other General Requirements				
	SPL-6	Bunkhouse and Other Facilities	1.00	l.s.		
	SPL-7	Project Billboard/Signboard	3.00	unit		
	B.7	Occupational Construction Safety and Health	1.00	l.s.		
					<i>Subtotal</i>	
5	Construction of Child Development Center, Brgy. Visita, San Miguel Island, Tabaco City					
	Part A	Earthworks				
	100	Clearing and Grubbing	112.80	sq.m.		
	505	Grouted Riprap	19.45	cu.m.		
	803(1)a	Structure Excavation (Common Soil)	203.79	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	114.15	cu.m.		
	SPL-1	Removal & Disposal of Excavated Materials	89.64	cu.m.		
	804(4)	Gravel Fill	13.28	cu.m.		
	Part B	Plain and Reinforced Concrete Works				
	900(1)c1	Structural Concrete (Class A) 28 days	43.06	cu.m.		
	902	Reinforcing Steel (Deformed)	8,896.95	kgs		
	903(2)	Formworks and False Works	118.00	sq.m.		
	Part C	Finishing and Other Civil Works				
	1000(1)	Soil Poisoning	118.00	liters		
	1001(5)a	Catch Basin (Concrete)	7.00	each		
	1001(5)b	Septic Tank	1.00	l.s.		
	1001(8)	Sewer Line Works	1.00	l.s.		
	1001(9)	Storm Drainage and Downspout	1.00	l.s.		
	1002(4)	Plumbing Works	1.00	l.s.		
	1003(1)b1	Ceiling (4.5mm, Metal Frame, Fiber Cement Board)	70.48	sq.m.		
	1005	Steel Windows	14.43	sq.m.		
	1010(2)a	Doors (Wooden Panel / Flush)	5.46	sq.m.		
	SPL-2	Doors and Window Screen	18.63	sq.m.		
	1016(1)a	Waterproofing (Cement-Base)	112.38	sq.m.		
	1018(2)	Unglazed Tiles	6.38	sq.m.		
	1018(5)	Glazed Tiles	27.47	sq.m.		
	SPL-3	Tactiles (PWD Ramp)	7.56	sq.m.		
	1027(1)	Cement Plaster Finish	445.32	sq.m.		
	1021	Cement Floor Finish	90.35	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	19.11	sq.m.		
	1046(2)a2	CHB Non Load Bearing, 150mm (Incl. RSB)	171.15	sq.m.		
	1051	Railings	66.30	LM		
	1003	Carpentry Works	5.76	sq.m.		
	1032	Painting Works	547.63	sq.m.		
	Part D	Electrical Works				
	1100(10)	Conduits, Boxes & Fittings	1.00	l.s.		
	1101	Wires and Wiring Devices	1.00	l.s.		
	1102(1)	Panelboard with Main & Brain Breakers	1.00	l.s.		

	1103(1)	Lighting Fixtures & Lamps	1.00	l.s.		
	1109(1)	Grounding System	1.00	l.s.		
	Part E	Other Miscellaneous Works				
	1208	Fire Alarm System	1.00	l.s.		
	SPL-4	Fabrication & Installation of Signages & Logo	1.00	l.s.		
	SPL-5	Handwash Area	1.00	l.s.		
	SPL-6	Aluminum Cabinet	2.73	sq.m.		
	Part F	Other General Requirements				
	SPL-7	Bunkhouse and Other Facilities	1.00	l.s.		
	SPL-8	Project Billboard/Signboard	3.00	unit		
	B.7	Occupational Construction Safety and Health	1.00	l.s.		
					<i>Subtotal</i>	
6	Construction of Evacuation Center, Brgy. Baranghawon, Tabaco City					
	I. Construction of Building					
	A	Earthworks				
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	177.16	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	47.28	cu.m.		
	804(1)b	Embankment (From Borrow)	48.99	cu.m.		
	804(4)	Gravel Fill	10.74	cu.m.		
	B	Plain And Reinforced Concrete Works				
	900(1)c1	Structural Concrete (Class A) 28 days	114.30	cu.m.		
	902(1)a	Reinforcing Steel	19,932.01	kgs		
	903(2)	Formworks and False Works	712.66	sq.m.		
	C	Finishing And Other Civil Works				
	1000(1)	Soil Poisoning	108.88	sq.m.		
	1001(11)	Septic Vault	1.00	l.s.		
	1001(8)	Sewer Line Works	1.00	l.s.		
	1001(9)	Storm Drainage and Downspout	1.00	l.s.		
	1002(4)	Plumbing Fixtures	1.00	l.s.		
	1002(24)	Cold Water Lines	1.00	l.s.		
	1003(1)b1	Ceiling (4.5mm, Metal Frame, Fiber Cement Board)	8.78	sq.m.		
	1005	Steel Window	27.90	sq.m.		
	SPL-1	Glass Block	8.32	sq.m.		
	1010(2)a	Doors (Wooden Panel / Flush)	4.83	sq.m.		
	1011	Roll-Up Doors	9.88	sq.m.		
	1016(1)a	Waterproofing (Cement-Base)	108.35	sq.m.		
	1018(2)	Unglazed Tiles	216.54	sq.m.		
	1018(5)	Glazed Tiles	60.03	sq.m.		
	SPL-2	Tactiles	8.94	sq.m.		
	1027(1)	Cement Plaster Finish	1,299.77	sq.m.		
	1027(2)	Cement Floor Finish	110.58	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	57.12	sq.m.		
	1046(2)a2	CHB Non Load Bearing, 150mm (Incl. RSB)	288.93	sq.m.		
	1051	Railings	183.38	l.m.		
	1032	Painting Works	1,308.59	sq.m.		
	SPL 3	Fabrication & Installation of Signages & Logo	1.00	l.s.		
	D	Mechanical Works				
	1201	Water Pumping System	1.00	l.s.		
	1202	Fire Protection Sprinkler System (AFSS)	1.00	l.s.		
	E	Electrical Works				

	1100(10)	Conduits, Boxes & Fittings	1.00	l.s.		
	1101	Wires and Wiring Devices	1.00	l.s.		
	1102(1)	Panelboard with Main & Brain Breakers	1.00	l.s.		
	1103(1)	Lighting Fixtures & Lamps	1.00	l.s.		
	1109(1)	Grounding System	1.00	l.s.		
	1102(16)	Generator	1.00	l.s.		
	SPL 5	Solar Flood Light	4.00	unit		
	II. Construction of Drainage Canal					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	31.24	cu.m.		
	500	RCPC (0.45 m ϕ)	33.00	l.m.		
	804(1)a	Embankment (From Structure Excavation)	17.04	cu.m.		
	SPL 6	Manhole with Cover	4.00	unit		
	SPL 7	Structural Concrete	5.20	cu.m.		
	804(4)	Gravel Fill	2.28	cu.m.		
	III. Other General Requirements					
	SPL 8	Bunkhouse (Rental Basis) and other facilities	1.00	l.s.		
	B.5	Project Billboard / Signboard	3.00	unit		
	B.7(1)	Occupational Construction Safety and Health	1.00	l.s.		
	Subtotal					
7	Improvement of Evacuation Center, Brgy. Pawa, Tabaco City					
	Part A.	Earthworks				
	803(1)a	Structural Excavation (Common Soil)	44.73	cu.m.		
	804(1)a	Embankment (from Structural Excavation)	30.07	cu.m.		
	804(1)b	Embankment (from Borrow)	18.95	cum		
	804(4)	Gravel Fill	5.76	cu.m.		
	Part B	Plain And Reinforced Concrete Works				
	900(1)c1	Structural Concrete (Class A) 28 days	41.06	cu.m.		
	902(1)a	Reinforcing Steel (Deformed, Grade 40)	6,177.41	kgs		
	903(2)	Formworks and False Works	168.80	sq.m.		
	Part C	Finishing And Other Civil Works				
	1001(5)b	Catch Basin (CHB)	5.00	ea.		
	1001(8)	Sewer Line Works	1.00	lot		
	1001(9)	Storm Drainage and Downspout	1.00	lot		
	1001(11)	Septic Vault	1.00	lot		
	1002(4)	Plumbing Fixtures	1.00	lot		
	1002(24)	Cold Water Lines	1.00	lot		
	1005(7)	Louver Window	5.76	sq.m.		
	1010(2)a	Doors and Windows	5.25	sqm		
	1016(1)a	Waterproofing (Cement-Base)	216.96	sq.m.		
	1018(2)	Unglazed Tiles	12.84	sq.m.		
	1021(1)b	Cement Floor Finish (Colored)	53.60	sq.m.		
	1027(1)	Cement Plaster Finish	444.64	sq.m.		
	1032(1)a	Painting Works (Masonry/Concrete)	525.24	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	30.00	sq.m.		
	1046(2)a2	CHB Non Load Bearing, 150mm (Incl. RSB)	149.47	sq.m.		
	Part D	Electrical				
	1100	Conduits, Boxes & Fittings	1.00	lot		
	1101	Wires and Wiring Devices	1.00	lot		
	1102	Power Load Center, Switchgear and Panelboards	1.00	lot		
	1200	Air Conditioning and Refrigeration System	1.00	set		

	Part E	Other Miscellaneous Works					
	SPL-1	Accordion	1.00	lot			
	SPL-2	Furniture and Fixtures	1.00	lot			
	Part F	Other General Requirements					
	SPL-3	Provision of Bunkhouse (Rental Basis) & Other Facilities	1.00	lot			
	B.5	Project Billboard/Signboard	2.00	unit			
	B.7(2)	Occupational Safety and Health Program	1.00	lot			
					<i>Subtotal</i>		
8	Construction/Rehabilitation/Improvement of School Buildings and Other School Buildings Facilities for Public Elementary and Secondary Schools, Various Barangays, Tabaco City						
	Item I	Construction Of Slope Protection, Bonot Elementary School, Brgy. Bonot Tabaco City					
	A.	Construction of Slope Protection					
	I	Clearing And Grubbing	29.50	sq.m			
	II	Structure Excavation	8.26	cu.m.			
	III	Grouted Riprap	18.08	cu.m.			
	IV	Masonry Works	17.40	sq.m.			
	V	Steel Works	15.00	l.m.			
	B.	Construction of Line Canal with Steel Grating					
	I	Clearing And Grubbing	14.00	sq.m			
	II	Structure Excavation	7.20	cu.m.			
	III	Structural Concrete	1.00	cu.m.			
	IV	Reinforcing Steel	188.50	kgs			
	V	Masonry Works	16.00	sq.m.			
	VI	Steel Works (Steel Grating)	20.00	lm			
	C.	Other Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
					<i>Subtotal-Item I</i>		
	Item II	Improvement of School Stage, Oras Elementary School, Brgy. Oras, Tabaco City					
	A.	Improvement of School Stage					
	I	Demolition And Removal of Existing Structures	101.78	sqm			
	II	Structure Excavation	16.64	cu.m.			
	III	Embankment From Structure Excavation	12.53	cu.m.			
	V	Structural Concrete	18.05	cu.m.			
	VI	Reinforcing Steel	2,384.42	kgs			
	VII	Formworks & Falseworks	96.20	sq.m.			
	VIII	Masonry Works	17.00	sq.m.			
	IX	Cement Plaster Finish	180.56	sq.m.			
	X	Painting Works	139.91	sq.m.			
	XI	Waterproofing Works	67.28	sq.m.			
	XII	Electrical Works	1.00	lot			
	XIII	Plumbing Works	1.00	lot			
	XIV	Restoration Works	6.75	sq.m.			
	B.	Other Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
					<i>Subtotal-Item II</i>		

	Item III	Construction of Slope Protection, Malictay High School, Sitio Malictay, Brgy. Hacienda, San Miguel Island, Tabaco City					
	A.	Construction of Slope Protection					
	I	Structure Excavation	55.34	cu.m.			
	II	Grouted Riprap	39.97	cu.m.			
	B.	Other Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
		Subtotal-Item III					
	B. Other Infrastructure						
9	Fencing of Sanitary Landfill (SLF), Sitio Nagsipit, Brgy. Mariroc, Tabaco City						
	A.	Construction of 417.91 Lm Perimeter Fence					
	I	Survey Works	1.00	lot			
	I	Clearing And Grubbing	465.68	sq.m			
	II	Structure Excavation	373.33	cu.m.			
	III	Embankment From Structure Excavation	292.63	cu.m.			
	V	Gravel Fill	30.62	cu.m.			
	VI	Structural Concrete	103.21	cu.m.			
	VII	Reinforcing Steel	6,450.14	kgs			
	VIII	Formworks & Falseworks	171.52	sq.m.			
	IX	Masonry Works w/ Plaster Finish	366.61	sq.m.			
	XIII	Installation Of Barbed Wire	417.91	l.m			
	B.	Other Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot			
	II	Project Billboard/Signboard	2.00	unit			
	III	Occupational Construction Safety and Health	1.00	lot			
		Subtotal					
10	Desilting/Dredging of Bombon River, Bombon-Pawa Section, Tabaco City						
	SPL-1	Clearing & Deepening of Waterways	28,223.97	cu.m			
	SPL-2	Fab/Installation of Billboard	2.00	unit			
	SPL-3	Occupational Construction Safety and Health	1.00	l.s			
		Subtotal					
11	Desilting/Dredging of Tagas River, Bogñabong-Mariroc Section, Tabaco City						
	SPL-1	Clearing & Deepening of Waterways	28,198.96	cu.m			
	SPL-2	Fab/Installation of Billboard	2.00	unit			
	SPL-3	Occupational Construction Safety and Health	1.00	l.s			
		Subtotal					
12	Improvement of Public Cemetery, Brgy. San Antonio, Tabaco City						
	A) Fabrication & Installation of Steel Gate and Signages and Logo						
	Part A	Finishing Works					
	SPL-1	Fabrication & Installation Steel Gate	1.00	L.S.			
	SPL-2	Fabrication & Installation of Signages & Logo	1.00	L.S.			
	B.) Installation of Streetlights						
	Part B	Earth Works					
	800(1)	Clearing and Grubbing	406.12	sq.m			
	803 (1) a	Structure Excavation (Common Soil)	10.88	cu. m			
	804 (1) a	Embankment (From Structure Excavation)	10.42	cu. m			
	804(4)	Gravel Fill	0.61	cu. m			

	Part C	Plain And Reinforced Concrete Works				
	900 (1)c1	Structural Concrete (Class A) 28 days	2.45	cu.m.		
	902 (1)a	Reinforcing Steel (Deformed Grade 40)	350.10	kgs		
	903 (2)	Formworks and False Works	24.48	sq.m.		
	Part D	Installation Of Solar Streetlights				
	624 (8)	Solar LED Streetlight	17.00	unit		
	Part E	Other General Requirements				
	SPL-3	Provision of Bunkhouse (Rental Basis) & Other Facilities	1.00	L.S.		
	B.5	Project Billboard/Signboard	3.00	unit		
	B.7(2)	Occupational Safety and Health Program	1.00	L.S.		
						<i>Subtotal</i>
13	Improvement of Hiraya Manawari Nature Park, Brgy. San Vicente, Tabaco City					
	I. Construction of Waiting Area					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	Part A: Earthworks					
	803(1)a	Structure Excavation (Common Soil)	26.32	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	16.53	cu.m.		
	804(4)	Gravel Fill	4.29	cu.m.		
	Part B: Plain and Reinforced Concrete Works					
	900(1)c1	Structural Concrete	17.17	cu.m.		
	902(1)a	Reinforcing Steel	1,943.87	kgs		
	903(2)	Formworks and False Works	150.87	sq.m.		
	Part C: Finishing and Other Civil Works					
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	51.24	sq.m.		
	1027(1)	Cement Plaster Finish	231.50	sq.m.		
	1032	Painting Works	243.38	sq.m.		
	SPL 1	Fabrication and Installation of Tubular Railing	1.00	l.s.		
	1010(2)a	Doors	2.87	sq.m.		
	1008(2)	Aluminum Glass Windows	2.80	sq.m.		
	SPL 2	Electrical Works	1.00	l.s.		
	SPL 3	Plumbing Works	1.00	l.s.		
	II. Construction of Fence and Gate					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	803(1)a	Structure Excavation (Common Soil)	21.20	cu.m.		
	804(1)a	Embankment (From Structure Excavation)	9.73	cu.m.		
	804(4)	Gravel Fill	2.68	cu.m.		
	900(1)c1	Structural Concrete	8.54	cu.m.		
	902(1)a	Reinforcing Steel	627.05	kgs		
	903(2)	Formworks and False Works	61.46	sq.m.		
	1046(2)a1	CHB Non Load Bearing, 100mm (Incl. RSB)	37.93	sq.m.		
	1027(1)	Cement Plaster Finish	48.21	sq.m.		
	1032	Painting Works	127.13	sq.m.		
	1027(3)	Decorative Stone	9.70	sq.m.		
	SPL 4	Fabrication and Installation of Steel Gate and Fence	79.75	sq.m.		
	III. Construction of Drainage & Road Works					
	801(1)	Removal of Structures and Obstruction	1.00	l.s.		
	Part A: RCPC					
	SPL 5	Manhole with Cover	2.00	unit		
	500	RCPC (0.6 m ø)	18.00	l.m.		
	Part B: Road Works					
	105	Subgrade Preparation	99.34	sq.m.		

	201	Aggregate Base Course (150 mm thk)	14.90	cu.m.			
	311	PCCP (150 mm thk)	10.54	sq.m.			
	804(4)	Gravel Fill	2.91	cu.m.			
	804(1)b	Embankment (From Borrow)	24.00	cu.m.			
IV. Installation of Solar Streetlights							
	801(1)	Removal of Structures and Obstruction	1.00	l.s.			
	803(1)a	Structure Excavation (Common Soil)	5.39	cu.m.			
	804(4)	Gravel Fill	0.40	cu.m.			
	804(1)a	Embankment (From Structure Excavation)	3.41	cu.m.			
	903(2)	Formworks and False Works	20.24	sq.m.			
	902(1)a	Reinforcing Steel	496.68	kgs			
	900(1)c1	Structural Concrete	1.58	cu.m.			
	SPL 6	Solar LED Streetlight	11.00	unit			
	1027(1)	Cement Plaster Finish	1.32	sq.m.			
V. Installation of Playground Equipment							
	801(1)	Removal of Structures and Obstruction	1.00	l.s.			
	803(1)a	Structure Excavation (Common Soil)	0.91	cu.m.			
	804(1)a	Embankment (From Structure Excavation)	0.65	cu.m.			
	900(1)c1	Structural Concrete	0.26	cu.m.			
	902(1)a	Reinforcing Steel	68.89	kgs			
	903(2)	Formworks and False Works	5.28	sq.m.			
	SPL 7	Steel Works	1.00	l.s.			
	1032	Painting Works	25.53	sq.m.			
VI. Construction of Cabanas							
	801(1)	Removal of Structures and Obstruction	1.00	l.s.			
	803(1)a	Structure Excavation (Common Soil)	8.83	cu.m.			
	804(1)a	Embankment (From Structure Excavation)	7.41	cu.m.			
	804(4)	Gravel Fill	7.68	cu.m.			
	900(1)c1	Structural Concrete	8.35	cu.m.			
	902(1)a	Reinforcing Steel	1,619.18	kgs			
	903(2)	Formworks and False Works	81.08	sq.m.			
	1027(1)	Cement Plaster Finish	81.08	sq.m.			
	SPL 8	Steel Works	1.00	l.s.			
	1032	Painting Works	178.60	sq.m.			
VII. Other General Requirements							
	SPL 9	Bunkhouse (Rental Basis) and other facilities	1.00	l.s.			
	B.5	Project Billboard / Signboard	2.00	unit			
	B.7(1)	Occupational Construction Safety and Health	1.00	l.s.			
					<i>Subtotal</i>		
14	Sitio Electrification at San Miguel Island, Tabaco City						
	I. Electrification at Sitio Pupod (Kanan), Brgy. Hacienda, San Miguel Island, Tabaco City						
	A.	Poles and Hardwares					
	I	Pole Staking and Pole Digging	13.00	unit			
	II	Pole Dressing of Primary Pole Structures	8.00	set			
	III	Pole Dressing of Secondary Pole Structures	30.00	set			
	IV	Installation of Grounding	12.00	set			
	V	Pole Erection	13.00	pc			
	VI	Installation of Guying Assemblies	10.00	set			
	VII	Installation of Anchors	11.00	set			
	VIII	Conductor, Stringing, Sagging and Tying	2,436.00	meter			

	IX	Transformer and KWHR Meter Accessories and Assembly	2.00	set		
	B.	Installation of Transformer and Accessories Including Bill Deposit / Testing and Mounting Fee				
	I	Transformer Testing and Mounting	1.00	unit		
	II. Rehabilitation of Distribution Line at Sitio Hinabuyan, Brgy. Hacienda, San Miguel Island, Tabaco City					
	A.	Poles and Hardwares				
	I	Pole Digging	11.78	cu.m		
	II	Pole Dressing Primary Pole Structures	3.00	set		
	III	Pole Dressing of Secondary Pole Structures	9.00	set		
	IV	Erection and Straightening of Leaning Pole	1.00	lot		
	V	Installation of Guying Assemblies	6.00	set		
	VI	Installation of Anchors Assembly	6.00	set		
	VII	Conductor, Stringing, Sagging and Tying	2,234.00	meter		
	VIII	Installation of Miscellaneous Assemblies	6.00	set		
	B.	Installation of Transformer and Accessories Including Bill Deposit / Testing and Mounting Fee				
	I	Installation of Transformer	1.00	unit		
	III. Other General Requirements					
	I	Bunkhouse (Rental Basis) and Other Facilities	1.00	lot		
	II	Project Billboard/Signboard	2.00	unit		
	III	Occupational Construction Safety and Health	1.00	lot		
					<i>Subtotal</i>	
					GRAND TOTAL	

Name of the Company/Bidder	Name of Authorized Representative	Signature of Authorized Representative

Name of the Procuring Entity: LGU-Tabaco City

Contract ID No. 024-07-2024-INFRA-PB

Name of the Project: Construction/ Rehabilitation/ Improvement of Various Infrastructure Projects (Public Buildings & Other Infrastructure)

Project Location: Various Barangays, Tabaco City

Contract Name : _____

Location : _____

CASH FLOW BY QUARTER AND PAYMENT SCHEDULE

PARTICULAR	% WT.	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER
ACCOMPLISHMENT					
CASH FLOW					
CUMULATIVE ACCOMPLISHMENT					
CUMULATIVE CASH FLOW					

Submitted by:

Name of the Representative of the Bidder : _____

Name of the Bidder: _____

Position : _____

Date _____

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

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

CONTRACT AGREEMENT

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:

- a. Philippine Bidding Documents (PBDs);
 - i. Drawings/Plans;
 - ii. Specifications;
 - iii. Bill of Quantities;
 - iv. General and Special Conditions of Contract;
 - v. Supplemental or Bid Bulletins, if any;
- b. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

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

- c. Performance Security;
 - d. Notice of Award of Contract and the Bidder’s conforme thereto; and
 - e. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

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

[Insert Name and Signature]

[Insert Name and Signature]

[Insert Signatory's Legal Capacity]

[Insert Signatory's Legal Capacity]

for:

for:

[Insert Procuring Entity]

[Insert Name of Supplier]

Acknowledgment

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

NAME OF THE CONTRACTOR
ADDRESS OF THE CONTRACTOR

ATTY. JOVITO BRON CODERIS, JR.
BAC CHAIRMAN
LGU-TABACO CITY

ORIGINAL - TECHNICAL COMPONENT

**CONSTRUCTION/ REHABILITATION/ IMPROVEMENT OF VARIOUS
INFRASTRUCTURE, PROJECTS (PUBLIC BUILDINGS & OTHER
INFRASTRUCTURE), VARIOUS BARANGAYS, TABACO CITY
CONTRACT ID NO. 024-07-2024-INFRA-PB**

DO NOT OPEN BEFORE AUGUST 05, 2024, 9:30AM

NAME OF THE CONTRACTOR
ADDRESS OF THE CONTRACTOR

ATTY. JOVITO BRON CODERIS, JR.
BAC CHAIRMAN
LGU-TABACO CITY

ORIGINAL – FINANCIAL COMPONENT

**CONSTRUCTION/ REHABILITATION/ IMPROVEMENT OF VARIOUS
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ORIGINAL BID

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COPY NO. 1 - TECHNICAL COMPONENT

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LGU-TABACO CITY

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**CONSTRUCTION/ REHABILITATION/ IMPROVEMENT OF VARIOUS
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BAC CHAIRMAN
LGU-TABACO CITY

COPY NO. 2 - TECHNICAL COMPONENT

**CONSTRUCTION/ REHABILITATION/ IMPROVEMENT OF VARIOUS
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BAC CHAIRMAN
LGU-TABACO CITY

COPY NO. 2 – FINANCIAL COMPONENT

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LGU-TABACO CITY

COPY NO. 2

**CONSTRUCTION/ REHABILITATION/ IMPROVEMENT OF VARIOUS
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LGU-TABACO CITY

BID PROPOSAL

**CONSTRUCTION/ REHABILITATION/ IMPROVEMENT OF VARIOUS
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