

PHILIPPINE BIDDING DOCUMENTS

**CONSTRUCTION OF
COAST GUARD RADAR
STATION BASILAN
BUILDING AND
FACILITIES**

Government of the Republic of the Philippines

**Sixth Edition
06 December 2021**

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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.



REPUBLIC OF THE PHILIPPINES

PHILIPPINE COAST GUARD

139 25th Street, South Harbor, Port Area, 1018 Manila

Section I. Invitation to Bid



INVITATION TO BID FOR THE CONSTRUCTION OF THE COAST GUARD RADAR STATION BASILAN BUILDING AND FACILITIES

1. The **Philippine Coast Guard**, through the **General Appropriations Act (GAA) for FY-2020** intends to apply the sum of **Twenty Million Three Hundred Eighty-Eight Thousand Three Hundred Forty-Nine Pesos and 51/100 (PhP20,388,349.51)** being the Approved Budget for the Contract (ABC) to payments under the contract for the **Construction of the Coast Guard Radar Station Basilan Building and Facilities**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **Philippine Coast Guard** now invites bids for the above Procurement Project. Completion of the Works is required **Five Hundred Fourteen (514) Calendar Days from the date of receipt by the winning contractor of the Notice to Proceed**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from the Coast Guard Procurement Service and inspect the Bidding Documents at the address given below from Mondays to Fridays, during office hours, from 8:00 AM to 5:00 PM., except non-working days (i.e. Saturday and Sunday), legal holiday, or special non-working holiday, or other nonworking days duly declared by the President, Governor, Mayor or other Government Official authorized to make such declaration.
5. A complete set of Bidding Documents may be acquired by interested bidders on 7 to 27 December 2021 from the given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Twenty-Five Thousand Pesos (PhP25,000.00) The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or through electronic mail.
6. The **Philippine Coast Guard** will hold a Pre-Bid Conference on **15 December 2021, 10:30 p.m.** at the National Headquarters Philippine Coast Guard (NHQ-PCG) Conference Room, 2F Admin Building, 139 25th Street, Port Area, Manila 1018 and through video-conferencing via the Zoom platform (ZOOM ID: 717-723-7932 and Password: PCG-BAC), which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **27 December 2021, 1:00 p.m.** 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 **27 December 2021, 1:00 p.m.** onwards at the given address below at the **National Headquarters Philippine Coast Guard (NHQ-PCG) Conference Room, 2F Admin Building, 139 25th Street, Port Area, 1018 Manila.** Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. Bidders shall bear all costs associated with the preparation and submission of their bids, and the Philippine Coast Guard will in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

Bidders should note that the Philippine Coast Guard will accept bids only from those that have paid the applicable fee for the Bidding Documents.

The Philippine Coast Guard assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of their bids.

In accordance with Government Procurement Policy Board (GPPB) Circular 06-2005 - Tie-Breaking Method, the Bids and Awards Committee (BAC) shall use a non-discretionary and non-discriminatory measure based on sheer luck or chance, which is "DRAW LOTS," in the event that two (2) or more bidders have been post-qualified and determined as the bidder having the Lowest Calculated Responsive Bid (LCRB) to determine the final bidder having the LCRB, based on the following procedures:

- a) In alphabetical order, the bidders shall pick one rolled paper.
 - b) The lucky bidder who would pick the paper with a "CONGRATULATIONS" remark shall be declared as the final bidder having the LCRB and recommended for award of the contract.
11. The **Philippine Coast Guard** 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:

BRYAN BIGALBAL

Head, Coast Guard Procurement Service

National Headquarters Philippine Coast Guard

139 25th St Port Area, Manila 1018

Email: procurement@coastguard.gov.ph

Fax: +632-5278481 loc 6282 or +632-5278481 loc 6281

www.coastguard.gov.ph

13. You may visit the following websites:

For downloading of Bidding Documents: www.philgeps.gov.ph and www.coastguard.gov.ph

7 December 2021

CG RADM ROLANDO LIZOR N PUNZALAN JR

Chairman, Bids and Awards Committee



Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **Philippine Coast Guard**, invites Bids for the **Construction of Coast Guard Radar Station Basilan Building and Facilities**, with Project Identification Number: **IB No. 2021-041**

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 **FY-2020** in the amount of Twenty-One Million Pesos (**PhP21,000,000.00**). The total Approved Budget for the Contract (ABC) for the project shall be in the amount of **Twenty Million Three Hundred Eighty-Eight Thousand Three Hundred Forty-Nine Pesos and 51/100 (PhP20,388,349.51)**.

2.2. The source of funding is the General Appropriations Act (GAA) for FY 2020.

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. The amount of the SLCC shall be not less than **Ten Million One Hundred Ninety-Four Thousand One Hundred Seventy-Four Pesos and 76/100 (PhP10,194,174.76)**.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.
- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address at the National Headquarters Philippine Coast Guard (NHQ-PCG) Conference Room, 2F Admin Building, 139, 25th Street, Port Area, 1018 Manila and through video conferencing using the Zoom Platform as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the

IB, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

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

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

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

14.2. Payment of the contract price shall be made in 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 April 26, 2022. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

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

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

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

20. Post Qualification

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

21. Signing of the Contract

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



Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause							
5.2	<p>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 (50%) of the ABC or not less than the amount of Ten Million One Hundred Ninety-Four Thousand One Hundred Seventy-Four Pesos and 76/100 (PhP10,194,174.76).</p> <p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be General Building Projects.</p>						
7.1	No portion of the contract shall be sub-contracted.						
10.3	<p>A valid Philippine Contractors Accreditation Board (PCAB) license with the following particulars:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Classification</th> <th style="text-align: center;">License Category</th> <th style="text-align: center;">Size Range</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">General Building</td> <td style="text-align: center;">C & D</td> <td style="text-align: center;">Small B</td> </tr> </tbody> </table>	Classification	License Category	Size Range	General Building	C & D	Small B
Classification	License Category	Size Range					
General Building	C & D	Small B					

10.4	The key personnel must meet the required minimum years of experience set below:			
	Key Personnel	Educational Background	Relevant Work Experience	Educational Training
	Team Leader/ Project Manager	Graduate of Bachelor of Science (B.S.) in Architecture / B.S. Civil Engineering with valid Professional Regulation Commission (PRC) license. (Reference Document: PRC License).	With minimum fifteen (15) years of experience in design, contract and project management of buildings or infrastructures. (Reference Document: Certificate of Employment of design, contract and project management of buildings or infrastructures or any proof of completion of project)	With educational training in the fields of construction management and other related works. (Reference Document: Training Certificates or any proof that the key personnel participated on educational trainings related to the profession/degree)
	Project Engineer	Graduate of B.S. in Civil Engineering with valid PRC license. (Reference Document: PRC License).	With minimum ten (10) years of experience in the design of buildings. (Reference Document: Certificate of Employment as a Project Engineer or any proof of completion of project)	With educational training on civil engineering design registered at/under Philippine Institute of Civil Engineers P.I.C.E. (Reference Document: Training Certificates or any proof that the key personnel participated on educational trainings related to the profession / degree)
	Electrical Engineer	Graduate of B.S. in Electrical Engineering with valid PRC license.	With minimum seven (7) years of experience in the design of buildings. (Reference	With educational training on electrical design. (Reference Document: Training

	(Reference Document: PRC License).	Document: Certificate of Employment as an Electrical Engineer or any proof of completion of project)	Certificates or any proof that the key personnel participated on educational trainings related to the profession / degree)
Quantity Surveyor	Graduate of B.S. Civil Engineering with valid PRC license. (Reference Document: PRC License).	With minimum five (5) years of experience in Quantity Surveying (Reference Document: Certificate of Employment in Quantity Surveyor or any proof of completion of project)	With educational training in the fields of Quantity Surveying and other related works. (Reference Document: Training Certificates or any proof that the key personnel participated on educational trainings related to the profession/degree)
Geotechnical/Foundation Engineer	Graduate of B.S. in Civil Engineering with specialization in Geotechnical Engineering with valid PRC license. (Reference Document: PRC License).	With minimum five (5) years of experience in the design of buildings. (Reference Document: Certificate of Employment as a Geotechnical Engineer or any proof of completion of project).	With educational training on geotechnical engineering. (Reference Document: Training Certificates or any proof that the key personnel participated on educational trainings related to the profession / degree)
Materials Engineer	Graduate of B.S. in Civil Engineering with valid PRC license. (Reference Document: PRC License and Materials Engineer I	With minimum five (5) years of experience in the design of buildings. (Reference Document: Certificate of Employment as a Materials	With educational training on civil engineering. (Reference Document: Training Certificates or any proof that the key personnel participated on

	accredited by DPWH)	Engineer I or any proof of completion of project)	educational trainings related to the profession / degree)																		
Foreman	Secondary Education Graduate	Foreman with ten (10) years of experience involving general building projects. (Reference Document: Certificate of Employment as Foreman or any proof of completion of project)	None																		
Safety Officer	Any four (4) or five (5) years under graduate degree/course	Safety Officer with five (5) years experience involving general building projects. (Reference Document: Certificate of Employment as a Safety Officer or any proof of completion of project)	With educational training on Construction Occupational Safety & Health. (Reference Document: Training Certificates or any proof that the key personnel participated on educational trainings related to the profession / degree)																		
10.5	The minimum major equipment requirements are the following:																				
	<table border="1"> <thead> <tr> <th>Equipment</th> <th>Capacity</th> <th>Number of Units</th> </tr> </thead> <tbody> <tr> <td>1. Backhoe</td> <td>At least 0.80 cu.m.</td> <td>1</td> </tr> <tr> <td>2. Plate Compactor</td> <td>At least 84 kgs</td> <td>1</td> </tr> <tr> <td>3. Truck</td> <td>At least 2 Tons</td> <td>1</td> </tr> <tr> <td>4. Concrete Mixer</td> <td>1 bagger</td> <td>2</td> </tr> <tr> <td>5. Service Vehicle</td> <td>At least 7-seater</td> <td>1</td> </tr> </tbody> </table>			Equipment	Capacity	Number of Units	1. Backhoe	At least 0.80 cu.m.	1	2. Plate Compactor	At least 84 kgs	1	3. Truck	At least 2 Tons	1	4. Concrete Mixer	1 bagger	2	5. Service Vehicle	At least 7-seater	1
Equipment	Capacity	Number of Units																			
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2. Plate Compactor	At least 84 kgs	1																			
3. Truck	At least 2 Tons	1																			
4. Concrete Mixer	1 bagger	2																			
5. Service Vehicle	At least 7-seater	1																			
12	Implementation of Value Engineering activities shall not be applicable.																				
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:																				

	<p>a. The amount of not less than Four Hundred Seven Thousand Seven Hundred Sixty-Six Pesos and 99/100 (PhP407,766.99) or at least two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than One Million Nineteen Thousand Four Hundred Seventeen Pesos and 48/100 (PhP1,019,417.48) or at least five percent (5%) of ABC, if bid security is in Surety Bond.</p>
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	<p>The bidder having the Lowest Calculated Bid (LCB) or Single Calculated Bid (SCB) shall submit within a non-extendible period of five (5) calendar days from the BAC Notice as the LCB/SCB, the following:</p> <ol style="list-style-type: none"> 1. In case the bidder has just submitted the Class "A" Legal eligibility requirements and Audited Financial Statement (AFS), a valid PhilGEPS Registration Certificate; 2. Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS); <p>In accordance with Executive Order (E.O.) No. 398, Revenue Regulation (R.R.) No. 03-2005 and Revenue Memorandum Circular (RMC) 16 – 2005, the above-mentioned tax returns shall refer to the following:</p> <ol style="list-style-type: none"> 2.1. Latest Income Tax Return (ITR) shall be the ITR for the preceding year, whether calendar or fiscal, and 2.2. Latest Business Tax Returns shall refer to the Value Added Tax (VAT) or Percentage Tax filed and paid covering the previous six (6) months before the date of Submission, Receipt, Opening & Preliminary Examination of Bids.
21	<p>The following shall form part of the Contract Agreement, which shall be submitted by the winning contractor within ten (10) calendar days from the date of receipt of the Notice of Award (NOA):</p> <ol style="list-style-type: none"> 1. Performance Security in any of the allowable forms enumerated under Section 39.2 of the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (R.A.) No. 9184 or Performance Securing Declaration 2. Certificate of No Pending Case 3. Construction schedule and S-curve, 4. Manpower schedule, 5. Construction methods, 6. Equipment utilization schedule, 7. Construction safety and health program duly approved by the Department of Labor and Employment, and 8. PERT/CPM



Section IV. General Conditions of Contract

1. Scope of Contract

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

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

2. Sectional Completion of Works

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

3. Possession of Site

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

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

4. The Contractor's Obligations

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

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

5. Performance Security

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

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

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

11. Program of Work

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

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

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide “as built” Drawings and/or operating and maintenance manuals as specified in the **SCC**.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.



Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date is within Five Hundred Fourteen (514) Calendar Days from receipt by the winning contractor of the Notice to Proceed (NTP).
4.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor starting on the date of receipt by the winning contractor of the NTP until the date of its termination and/or project completion.
6	Soil and foundation investigation report is required.
7.2	The warranty against Structural Defects and Failures shall cover a period of fifteen (15) years from final acceptance.
10	Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within ten (10) calendar 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 equivalent to one tenth of one percent (1/10 of 1%) of the total contract price for every day of delay.
13	No mobilization fees and advance payment shall be made to the winning bidder/contractor.
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 operating and maintenance manuals are required is upon testing and commissioning. The Contractor is required to submit six (6) sets of "as built" drawings in 20" x 30" size and electronic copy in pdf file format within seven (7) calendar days from project completion.
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 equivalent to one tenth of one percent (1/10 of 1%) of the total contract price for every day of delay.



Section VI. Specifications

PROJECT TITLE : CONSTRUCTION OF COAST GUARD RADAR STATION
BASILAN BUILDING AND FACILITIES
LOCATION : PROVINCIAL ENGINEER'S OFFICE COMPOUND, PEO ROAD,
ISABELA DE BASILAN, BASILAN
OWNER : PHILIPPINE COAST GUARD
SUBJECT : SCOPE OF WORKS (SUMMARY) and GENERAL NOTES

SCOPE OF WORKS:

A. GENERAL REQUIREMENTS

1. The Contractor shall conduct thorough site inspection of the existing job site conditions.
2. The Contractor shall conduct soil bearing test with at least 3 boreholes for the administration building.
3. Site Clearance and Demolition will be required to remove any existing buildings, structures or other obstruction from the general area of the WORKSITE. Furnish labor, materials, tools and equipment, facilities and other incidentals for the satisfactory completion of the project.
4. The Contractor shall secure documents needed for processing to obtain building permit. Also, the contractor should shoulder all government fees for this project.
5. The Contractor shall construct and place a project billboard / signage in front of the project site.
6. Clearing and cleaning of all areas affected during the implementations of the project.
7. Furnish pictures to Coast Guard Infrastructure Development Service (CGIDS) or email at cgids@coastguard.gov.ph for the weekly updates of the project for monitoring purpose of the National Headquarters Philippine Coast Guard (NHPCG).

B. LAND DEVELOPMENT

1. Embankment
 - a. Supply of materials, labor, tools and equipment for excavation, backfilling and compaction location as indicated in the plan. Earth fill materials shall consist of approved site excavated materials and shall be free from brush, roots and other unsuitable materials which would be detrimental to compaction requirements.
 - b. Clearing and cleaning of all areas affected during the implementations of the project.
2. Concrete Pavement
 - a. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.
 - b. Supply of materials, labor, tools and equipment for the fabrication, installation, stripping and/or leaving of formworks with the actual surface in contact with the concrete, including

provision of blockouts, chamfered edges, notching, and overlaps, necessary greasing and/or coating with form oil, all necessary hardware, fixing accessories, scaffolding, shoring, and staging.

c. Supply of materials labor tools and equipment for the placing of concrete including necessary grouting, vibrating, hammering, tamping, consolidating, curing, hardening, wetting, sealing, brooming and scratching, protecting, sampling, finishing and provision of necessary extended chutes, and mixing boards usage of equipment and tools.

d. Clearing and cleaning of all areas affected during the implementations of the project.

3. Drainage System

a. Supply of materials, labor, tools and equipment for the installation of 300mm diameter culvert with drain basins including tie wires, usage of tools and equipment to complete the work.

b. Clearing and cleaning of all areas affected during the implementations of the project.

4. Perimeter Fence and Gate

a. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.

b. Supply of materials, labor, tools and equipment for the fabrication, installation, stripping and/or leaving of formworks with the actual surface in contact with the concrete, including provision of blockouts, chamfered edges, notching, and overlaps, necessary greasing and/or coating with form oil, all necessary hardware, fixing accessories, scaffolding, shoring, and staging.

c. Supply of materials labor tools and equipment for the placing of concrete including necessary grouting, vibrating, hammering, tamping, consolidating, curing, hardening, wetting, sealing, brooming and scratching, protecting, sampling, finishing and provision of necessary extended chutes, and mixing boards usage of equipment and tools.

d. Supply of materials, labor, tools and equipment for the construction of 150mm thick CHB and plastering of 25mm thick of masonry walls, blocks including lintel beams, stiffeners and sundry items such as tie wires, sealants, mortar and joint filler and other necessary materials to complete the works, location as described on plans and specifications.

e. Supply of materials, labor, tools and equipment for the installation of Razor Wire including tie wires and accessories, usage of tools and equipment to complete the work.

f. Supply of materials, labor, tools and equipment for the fabrication and installation of Steel Gate including its accessories, usage of tools and equipment to complete the work.

g. Clearing and cleaning of all areas affected during the implementations of the project.

C. ADMINISTRATION BUILDING

1. The Contractor shall conduct thorough site inspection of the existing job site condition.
2. The Contractor shall conduct soil bearing Test with at least 3 Boreholes.
3. The Contractor shall construct all Architectural, Structural, Electrical, Sanitary / Plumbing, and Fire Protection Works in accordance with the plans and specification. All items shown on the plans but not mentioned in the specification shall be included.
4. Site Clearance and Demolition will be required to remove any existing buildings, structures, or other obstructions from the general area of the WORKSITE. Furnish labor, materials, tools and equipment, facilities and other incidentals for the satisfactory completion of the project.
5. Supply of labor, tools and equipment for the excavation in preparation for concreting of footing and column footing, wall footing sizes, depths and location as indicated in the plan. Excavation shall be to the depths indicated reckoned either from the natural grade line (NGL) or finish grade whichever is lower.
6. Supply of materials, labor, tools and equipment for backfilling and compaction location as indicated in the plan. Backfill materials shall consist of approved site excavated materials and shall be free from brush, roots and other unsuitable materials which would be detrimental to compaction requirements.
7. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.
8. Supply of materials, labor, tools and equipment for the fabrication, installation, stripping and/or leaving of formworks with the actual surface in contact with the concrete, including provision of block-outs, chamfered edges, notching, and overlaps, necessary greasing and/or coating with form oil, all necessary hardware, fixing accessories, scaffolding, shoring, and staging.
9. Supply of materials labor tools and equipment for the placing of concrete including necessary grouting, vibrating, hammering, tamping, consolidating, curing, hardening, wetting, sealing, brooming and scratching, protecting, sampling, provision of necessary extended chutes, and mixing boards usage of equipment and tools.
10. Supply of materials, labor, tools and equipment for the construction of masonry walls (150mm thick (6") for exterior walls / parapet and 100mm thk. (4") for interior partition) and plastering of 25mm thick of masonry walls, blocks including lintel beams, stiffeners and sundry items such as tie wires, sealants, mortar and joint filler and other necessary materials to complete the works, location as described on plans and specifications.
11. Supply of materials, labor, tools and equipment for the installation of complete ceiling system including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

12. Supply of materials, labor, tools and equipment for the installation of wood lockers, kitchen hanging cabinets, shelves/ cabinets including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

13. Supply of materials, labor, tools and equipment for the fabrication and installation Stainless Metal Railings at Stairs and PWD Ramp using stainless pipe top rail, intermediate horizontal rail and vertical post rail fully welded including all fixing accessories and hardware, usage of tools and equipment to complete the work, location as described on plans and specifications.

14. Supply of materials, labor, tools and equipment for the installation of PVC Modular partition including all fixing accessories and hardware, usage of tools and equipment to complete the work, location as described on plans and specifications.

15. Supply of labor, materials, tools and equipment for the installation of solid panel, hollow flush doors, aluminum frame analoc transom doors and awning window in powder coated aluminum framing with bronze glass panels including all fixing accessories and hardware, usage of tools and equipment to complete the work, location as described on plans and specifications.

16. Supply of labor, materials, tools and equipment for the installation of Tiles including cement mortar, tile setting epoxy, grout seller, tile cleaner trim and all necessary including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

17. Supply of labor, materials, and tools for General (3-coats) painting on all surfaces i.e. masonry and concrete surfaces, ceilings, baseboards, casing including metal / steel surfaces, including surface preparation, primer tools and its use and all necessary accessories to complete the work.

18. Supply of labor, materials, tools and equipment for the installation of Water Proofing Membrane with granule torch applied, Elastomeric Water Proofing Paint with concrete primer sealer and all other materials accessories necessary to complete the works, location as described on plans and specifications.

19. Supply of labor, materials, tools and equipment for the new installation of sanitary and plumbing system complete with all the necessary accessories as provided for in the plan this section of that specifications consisting of, but not necessarily limited to the following:

- a. Soil, waste and vents pipe system, within the building up to sewer line.
- b. Water service connection from main building distribution system.
- c. Roughing-ins, installation and testing of plumbing fixtures including controls & piping works.
- d. Roughing-ins, installation and testing of all plumbing pipes, fittings, trims and accessories.
- e. Installation of Septic Tank and Cistern Tank, including all necessary fittings and accessories to complete the works.

20. Supply of labor, materials, tools and equipment for the new installation of fire protection system with all the necessary accessories as described on plans and specifications.
21. Supply of labor, materials, tools and equipment for the new installation of Lighting System complete with all the necessary accessories as provided for in the plan.
22. Supply of labor, materials, tools and equipment for the new installation of Receptacle Outlets complete with all the necessary accessories as provided for in the plan.
23. Supply of labor, materials, tools and equipment for the new installation of Special Purpose Outlets complete with all the necessary accessories as provided for in the plan.
24. Supply of labor, materials, tools and equipment for the new installation of Airconditioning unit outdoor circuit breaker complete with all the necessary accessories as provided for in the plan.
25. Supply of labor, materials, tools and equipment for the new installation of Grounding System complete with all the necessary accessories as provided for in the plan.
26. Supply of labor, materials, tools and equipment for the new installation of Panel Boards and Circuit Breakers complete with all the necessary accessories as provided for in the plan.
27. Clearing and cleaning of all areas affected during the implementations of the project.
28. Furnish pictures to Coast Guard Infrastructure Development Service (CGIDS) or email at cgids@coastguard.gov.ph for the weekly updates of the project for monitoring purpose of the National Headquarters Philippine Coast Guard (NHPCG).

D. GUARD HOUSE/SENTRIES

1. The Contractor shall conduct through site inspection of the existing job site condition.
2. The Contractor shall construct all Architectural, Structural, Electrical, Sanitary / Plumbing Works in accordance with the plans and specification. All items shown on the plans but not mentioned in the specification shall be included.
3. Site Clearance and Demolition will be required to remove any existing buildings, structures, or other obstructions from the general area of the WORKSITE. Furnish labor, materials, tools and equipment, facilities and other incidentals for the satisfactory completion of the project.
4. Supply of labor, tools and equipment for the excavation in preparation for concreting of footing and column footing, wall footing sizes, depths and location as indicated in the plan. Excavation shall be to the depths indicated reckoned either from the natural grade line (NGL) or finish grade whichever is lower.
5. Supply of materials, labor, tools and equipment for backfilling and compaction location as indicated in the plan. Backfill materials shall consist of approved site excavated materials and shall be free from brush, roots and other unsuitable materials which would be detrimental to compaction requirements.

6. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.
7. Supply of materials, labor, tools and equipment for the fabrication, installation, stripping and/or leaving of formworks with the actual surface in contact with the concrete, including provision of block-outs, chamfered edges, notching, and overlaps, necessary greasing and/or coating with form oil, all necessary hardware, fixing accessories, scaffolding, shoring, and staging.
8. Supply of materials labor tools and equipment for the placing of concrete including necessary grouting, vibrating, hammering, tamping, consolidating, curing, hardening, wetting, sealing, brooming and scratching, protecting, sampling, provision of necessary extended chutes, and mixing boards usage of equipment and tools.
9. Supply of materials, labor, tools and equipment for the construction of masonry walls (150mm thick (6")) for exterior walls) and plastering of 25mm thick of masonry walls, blocks including lintel beams, stiffeners and sundry items such as tie wires, sealants, mortar and joint filler and other necessary materials to complete the works, location as described on plans and specifications.
10. Supply of materials, labor, tools and equipment for the installation of complete ceiling system including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.
11. Supply of labor, materials, tools and equipment for the installation of solid core door including all fixing accessories and hardware, usage of tools and equipment to complete the work, location as described on plans and specifications.
12. Supply of labor, materials, tools and equipment for the installation of Tiles including cement mortar, tile setting epoxy, grout seller, tile cleaner trim and all necessary including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.
13. Supply of labor, materials, and tools for General (3-coats) painting on all surfaces i.e. masonry and concrete surfaces, ceilings, baseboards, casing including metal / steel surfaces, including surface preparation, primer tools and its use and all necessary accessories to complete the work.
14. Supply of materials, labor, tools and equipment for the fabrication and installation of roofing materials and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.
15. Supply of materials, labor, tools and equipment for the fabrication and installation of steel framing and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.
16. Supply of labor, materials, tools and equipment for the new installation of sanitary and plumbing system complete with all the necessary accessories as provided for in the plan this section of that specifications consisting of, but not necessarily limited to the following:

- a. Soil, waste and vents pipe system, within the building up to sewer line.
 - b. Water service connection from main building distribution system.
 - c. Roughing-ins, installation and testing of plumbing fixtures including controls & piping works.
 - d. Roughing-ins, installation and testing of all plumbing pipes, fittings, trims and accessories.
17. Supply of labor, materials, tools and equipment for the new installation of Lighting System complete with all the necessary accessories as provided for in the plan.
 18. Supply of labor, materials, tools and equipment for the new installation of Receptacle Outlets complete with all the necessary accessories as provided for in the plan.
 19. Supply of labor, materials, tools and equipment for the new installation of Special Purpose Outlets complete with all the necessary accessories as provided for in the plan.
 20. Supply of labor, materials, tools and equipment for the new installation of Airconditioning unit outdoor circuit breaker complete with all the necessary accessories as provided for in the plan.
 21. Supply of labor, materials, tools and equipment for the new installation of Grounding System complete with all the necessary accessories as provided for in the plan.
 22. Supply of labor, materials, tools and equipment for the new installation of Panel Boards and Circuit Breakers complete with all the necessary accessories as provided for in the plan.
 23. Clearing and cleaning of all areas affected during the implementations of the project.
 24. Furnish pictures to Coast Guard Infrastructure Development Service (CGIDS) or email at cgids@coastguard.gov.ph for the weekly updates of the project for monitoring purpose of the National Headquarters Philippine Coast Guard (NHPCG).

E. FLAGPOLE

1. The Contractor shall conduct through site inspection of the existing job site condition.
2. Site Clearance and Demolition will be required to remove any existing buildings, structures, or other obstructions from the general area of the WORKSITE. Furnish labor, materials, tools and equipment, facilities and other incidentals for the satisfactory completion of the project.
3. Supply of labor, tools and equipment for the excavation in preparation for concreting of footing and column footing, wall footing sizes, depths and location as indicated in the plan. Excavation shall be to the depths indicated reckoned either from the natural grade line (NGL) or finish grade whichever is lower.
4. Supply of labor, tools and equipment for the excavation in preparation for concreting of footing and column footing, wall footing sizes, depths and location as indicated in the plan.

Excavation shall be to the depths indicated reckoned either from the natural grade line (NGL) or finish grade whichever is lower.

5. Supply of materials, labor, tools and equipment for backfilling and compaction location as indicated in the plan. Backfill materials shall consist of approved site excavated materials and shall be free from brush, roots and other unsuitable materials which would be detrimental to compaction requirements.

6. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.

7. Supply of materials, labor, tools and equipment for the fabrication, installation, stripping and/or leaving of formworks with the actual surface in contact with the concrete, including provision of block-outs, chamfered edges, notching, and overlaps, necessary greasing and/or coating with form oil, all necessary hardware, fixing accessories, scaffolding, shoring, and staging.

8. Supply of materials labor tools and equipment for the placing of concrete including necessary grouting, vibrating, hammering, tamping, consolidating, curing, hardening, wetting, sealing, brooming and scratching, protecting, sampling, provision of necessary extended chutes, and mixing boards usage of equipment and tools.

9. Supply of labor, materials, and tools for General (3-coats) painting on all surfaces i.e. masonry and concrete surfaces, ceilings, baseboards, casing including metal / steel surfaces, including surface preparation, primer tools and its use and all necessary accessories to complete the work.

10. Supply of materials, labor, tools and equipment for the fabrication and installation of GI pipe pole and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

F. BOAT SHED

1. The Contractor shall conduct through site inspection of the existing job site condition.

2. The Contractor shall construct all Architectural, Structural, Electrical, Sanitary / Plumbing Works in accordance with the plans and specification. All items shown on the plans but not mentioned in the specification shall be included.

3. Site Clearance and Demolition will be required to remove any existing buildings, structures, or other obstructions from the general area of the WORKSITE. Furnish labor, materials, tools and equipment, facilities and other incidentals for the satisfactory completion of the project.

4. Supply of labor, tools and equipment for the excavation in preparation for concreting of footing and column footing, wall footing sizes, depths and location as indicated in the plan. Excavation shall be to the depths indicated reckoned either from the natural grade line (NGL) or finish grade whichever is lower.

5. Supply of materials, labor, tools and equipment for backfilling and compaction location as indicated in the plan. Backfill materials shall consist of approved site excavated materials and shall be free from brush, roots and other unsuitable materials which would be detrimental to compaction requirements.

6. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.

7. Supply of labor, materials, and tools for General (3-coats) painting on all surfaces i.e. masonry and concrete surfaces, ceilings, baseboards, casing including metal / steel surfaces, including surface preparation, primer tools and its use and all necessary accessories to complete the work.

8. Supply of materials, labor, tools and equipment for the fabrication and installation of GI steel pipe and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

9. Supply of materials, labor, tools and equipment for the fabrication and installation of roofing materials and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

G. SLIPWAY

1. Supply of materials, labor, tools and equipment for the construction of slipway and usage of tools and equipment to complete the work, location as described on plans and specifications.

H. GENERATOR SET PAD WITH CANOPY

1. The Contractor shall conduct through site inspection of the existing job site condition.

2. The Contractor shall construct all Architectural, Structural, Electrical, Sanitary / Plumbing Works in accordance with the plans and specification. All items shown on the plans but not mentioned in the specification shall be included.

3. Site Clearance and Demolition will be required to remove any existing buildings, structures, or other obstructions from the general area of the WORKSITE. Furnish labor, materials, tools and equipment, facilities and other incidentals for the satisfactory completion of the project.

4. Supply of labor, tools and equipment for the excavation in preparation for concreting of footing and column footing, wall footing sizes, depths and location as indicated in the plan. Excavation shall be to the depths indicated reckoned either from the natural grade line (NGL) or finish grade whichever is lower.

5. Supply of materials, labor, tools and equipment for backfilling and compaction location as indicated in the plan. Backfill materials shall consist of approved site excavated materials and shall be free from brush, roots and other unsuitable materials which would be detrimental to compaction requirements.

6. Supply of materials, labor, tools and equipment for the fabrication and installation of reinforcing bars including tie wires, usage of tools and equipment to complete the work.

7. Supply of materials, labor, tools and equipment for the fabrication, installation, stripping and/or leaving of formworks with the actual surface in contact with the concrete, including provision of block-outs, chamfered edges, notching, and overlaps, necessary greasing and/or coating with form oil, all necessary hardware, fixing accessories, scaffolding, shoring, and staging.

8. Supply of materials labor tools and equipment for the placing of concrete including necessary grouting, vibrating, hammering, tamping, consolidating, curing, hardening, wetting, sealing, brooming and scratching, protecting, sampling, provision of necessary extended chutes, and mixing boards usage of equipment and tools.

9. Supply of materials, labor, tools and equipment for the construction of masonry walls (150mm thk (6'')) for exterior walls) and plastering of 25mm thick of masonry walls, blocks including lintel beams, stiffeners and sundry items such as tie wires, sealants, mortar and joint filler and other necessary materials to complete the works, location as described on plans and specifications.

10. Supply of materials, labor, tools and equipment for the installation of complete ceiling system including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

11. Supply of labor, materials, tools and equipment for the installation of solid core door including all fixing accessories and hardware, usage of tools and equipment to complete the work, location as described on plans and specifications.

12. Supply of labor, materials, tools and equipment for the installation of Tiles including cement mortar, tile setting epoxy, grout seller, tile cleaner trim and all necessary including all necessary fixing accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

13. Supply of labor, materials, and tools for General (3-coats) painting on all surfaces i.e. masonry and concrete surfaces, ceilings, baseboards, casing including metal / steel surfaces, including surface preparation, primer tools and its use and all necessary accessories to complete the work.

14. Supply of materials, labor, tools and equipment for the fabrication and installation of roofing materials and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

15. Supply of materials, labor, tools and equipment for the fabrication and installation of steel framing and its accessories and usage of tools and equipment to complete the work, location as described on plans and specifications.

16. Supply of labor, materials, tools and equipment for the new installation of Street ang Building Lighting System complete with all the necessary accessories as provided for in the plan.

17. Supply of labor, materials, tools and equipment for the new installation of Receptacle Outlets complete with all the necessary accessories as provided for in the plan.

18. Supply of labor, materials, tools and equipment for the new installation of Special Purpose Outlets complete with all the necessary accessories as provided for in the plan.
 19. Supply of labor, materials, tools and equipment for the new installation of Grounding System complete with all the necessary accessories as provided for in the plan.
 20. Supply of labor, materials, tools and equipment for the new installation of Panel Boards and Circuit Breakers complete with all the necessary accessories as provided for in the plan.
 21. Supply of labor, materials, tools and equipment for the new installation of Generator Set complete with exhaust and generator circuit breaker and Automatic Transfer Switch complete with all the necessary accessories as provided for in the plan.
 22. Supply of labor, materials, tools and equipment for the new installation of Utility 3 Phase Transformer complete with all necessary safety equipment and metering system complete with all the necessary accessories as provided for in the plan.
 23. Clearing and cleaning of all areas affected during the implementations of the project.
 24. Furnish pictures to Coast Guard Infrastructure Development Service (CGIDS) or email at cgids@coastguard.gov.ph for the weekly updates of the project for monitoring purpose of the National Headquarters Philippine Coast Guard (NHPCG).
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SPECIFICATIONS

1. CONCRETE

- a. Concrete compressive strength must be at 4000 psi (28 Mpa). Ready Mix Concrete.
- b. Portland Cement shall conform to the requirement of ASTM C-150 Type for normal Portland cement; Type III for High Early Strength Portland Cement, 40 kg per bar.
- c. Reinforcing bars must be at yield strength of 40000 psi ($F_y = 275$ Mpa) for 12mm diameter and below and 60000 psi ($F_y = 414$ Mpa) for 16mm diameter and above for all concreting works.
- d. Aggregates must be $\frac{3}{4}$ " course aggregate, clean and washed. Sand must be clean, hard, coarse river sand conforming to ASTM C-33.
- e. Reinforcing bars shall be fixed into the other by means of adequate steel wire ties to form a rigid reinforcement cages or nets. The minimum concrete covering must be 40mm from the outer face of the reinforcement bars to face forms. Main reinforcement bars must be anchored by means of an end hook/bend. Splices must be 0.60 m minimum.

2. MASONRY

Masonry/Hollow masonry units shall be ordinary 6" concrete hollow blocks for exterior walls and 4" concrete hollow block for interior walls, plumb and align when installation is finished.

Cement must be Portland 40kgs, mixture proportion class “B”. Masonry wall system must be plastered and finished smooth. Reinforcement must be grade 33.

3. STEEL WORKS

Steel members shall conform to ASTM A-36 steel shapes and sizes. Welding electrode shall be an E-70xx electrode. All joints must be full welded, cleaned and primed with anti-rust coatings for metal.

4. CARPENTRY AND JOINERY WORKS

a. Stress grade lumber must be seasoned, close grained lumber of specified species: Tanguile for all carpentry works at high quality of good appearance, without imperfections and suitable for use without waste due to defects and suitable also for natural finish.

b. Plywood shall be of good grade and made of laminated wood strips bonded together with water restraint resin glue, shall be free from defects such as split in veneer, buckling or warping and shall contain to the requirement of the Philippine Trade Standard 631-02.

c. Fiber Cement Board shall be oil impregnated for moisture/water resistance.

5. HARDWARE

a. All rough hardware required for carpentry works such as nails, screws, etc., must be first class quality.

b. Finishing hardware consisting of locksets, latches, etc., shall be first class quality conforming to the following specifications.

b.1 Door Locksets – shall be durable construction, preferably the product of reputable manufacturer for consistent quality and master keying.

b.2 Hinges must be brass-coated wrought iron steel with non-rising loose pins with button tips and mounting screw of the same materials.

6. TILEWORKS

Tiles and trims shall be made of clay, hard dense tiles of homogeneous composition.

7. PAINTING WORKS

a. All painting materials shall be known quality and of known brands with good quality and durability. One brand shall be used in the entire painting job.

8. WOOD PRESERVATIVES

a. All concealed lumber shall be sprayed or applied with anti-wood termites.

b. Surface in contact with masonry or concrete must be coated with creosote or equivalent.

9. SANITARY / PLUMBING WORKS

a. All plumbing/sanitary materials and fixtures must be of good quality and standards and it shall be Saniwares, American Standard and others with equivalent quality.

b. Pipes & Fittings

- Cold water line pipes shall be polypropylene random (PPR) PN10 (SDR 11) pipe or polyvinyl chloride (PVC) pipe series 1000.

- Vent pipes shall be polyvinyl chloride (PVC) pipe series 1000.

- Fittings shall be used solvent cement joint conform to ASTM D2564

- Sewer lines shall be polyvinyl chloride (PVC) pipe series 1000.

- Storm drainage lines and downspout shall be polyvinyl chloride (PVC) pipe series 1000

10. ELECTRICAL WORKS

a. WIRES AND CABLES (One Brand Only)

- THW - for main feeders

- THHN - for all branch circuits and Sub-Feeders

- TW - for all feeder and sub-feeder ground wires

- Royal Cord - for the embedded junction box to the lighting fixture

- BCW - for earthing

Line A = Red; Line B = Yellow; Line C = Blue (if applicable); Gnd = Green and White Stripe

- For Single Phase Line use the corresponding Line/wire color for easy identification

b. PIPES AND FITTINGS (One Brand Only)

- PVC - for all embedded installations, end bells, couplings,

- IMC - for all exposed installations

- LQT PVC Conduit - for elbows

c. BOXES, CABINETS, CABLE TRAY AND ENCLOSURES

- Pull boxes - Ga #14 Galvanized, Powder-Coated, Gray Paint

- Cabinets and Enclosures - Ga #16 Galvanized, Powder-Coated, Paint Finished

- Panel Boards and CB enclosures - Ga #16 Galvanized, Powder-Coated, Paint finished, One Brand Only, With Name Plate/Tagging

- Surface mounting type Panel Boards With Laminated Nameplate Tagging

- Cable Tray - Ga #14 Galvanized, Powder-Coated, Gray Paint

d. CIRCUIT BREAKERS - One Brand only, per approved catalogues.

e. WIRING DEVICES – One Brand only, per approved catalogues.

- For Convenience Outlet – Universal Type Outlet

- For Special Purpose Outlet – Special Purpose Outlet with Ground

- For Switches – Use wide series type with indicator light

f. LIGHTING FIXTURES – One Brand only, per approved catalogues.

GENERAL NOTES:

1. This simplified scope of works and the specifications are prepared in a concise manner which intention is to save time and to simplify specifications elaborateness. All work covered in the contract shall be executed in the highest form of workmanship and quality.

2. The drawings and specifications are intended to explain each mutually, and anything shown or called for in one and not the other shall be executed as part of the contract as though both are shown and specified.

3. The contractor shall take all the precautionary measures for the protection of adjacent properties from injury, damage or loss arising in connection with this contract. He shall be responsible for all damages to person and property, which may occur with the prosecution of work.

4. The contractor shall be in close coordination with the Philippine Coast Guard Technical Representatives (Coast Guard Infrastructure Development Service) on matters pertaining to engineering works. Any changes in work and materials shall be approved by the authorized representative and shall be to the advantage of the Philippine Coast Guard.

5. All works, materials and undertakings found necessary during the course of the construction shall be executed for the satisfactorily completion of the project, and shall be subject to general conditions and inspection before proper installation.

6. All permits, fees, inspections, material testing, commissioning, etc., necessary for the satisfactorily completion of the project shall be done at the expense of the contractor.

7. Submission of complete six (6) sets of as-built plans of the project, signed and sealed, indicating all measurements and details. Warranties and test results shall also be submitted in six (6) copies for all installed materials. Project warranty (2-years) shall take effect upon actual acceptance of the completed project.

8. The contractor shall undertake/furnish all the necessary items, materials, tools, equipment, labor, plants, appliances, methods and all operations that may be needed and other incidentals for the satisfactorily completion of the CONSTRUCTION OF COAST GUARD RADAR STATION BASILAN BUILDING AND FACILITIES.



Section VII. Drawings

(Refer to Annex I for Complete Set of Plans)



REPUBLIC OF THE PHILIPPINES
PHILIPPINE COAST GUARD

139 25th Street, South Harbor, Port Area, 1018 Manila

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

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

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

Signature Box

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

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

BILL OF QUANTITIES

PROJECT TITLE : CONSTRUCTION OF COAST GUARD RADAR STATION BASILAN BUILDING AND FACILITIES
 LOCATION : PEO COMPOUND, ISABELA CITY, BASILAN
 OWNER : PHILIPPINE COAST GUARD

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
I GENERAL REQUIREMENTS					
Temporary Facilities					
01	Construction Health and Safety Program	1	lot		
02	Soil Foundation Investigation	1	lot		
03	Contractor's Barracks, Field Office & Project Billboard	1	lot		
04	PCG Engineers Barracks and Field Office	1	lot		
05	Building Permit and Government Fess	1	lot		
	Sub - Total I				P -----
A. LAND DEVELOPMENT					
II SEAWALL					
Mass Gravity Concrete Sea wall					
01	Volume	160	cu.m		
	Cement				
	Sand				
	(Base = 1.20 m, Top = 0.60m, Height 3.50m)				
	Sub - Total II				P -----
III EMBANKMENT					
Embankment / Earthfill					
01	Area (Compacted Filling Materials with Average height of 0.50 meters)	643	sq.m		
	Sub - Total III				P -----
IV CONCRETE PAVEMENT					
Concrete Pavement 200mm Thk (255 Sq.m)					
01	Concrete Volume	51	cu.m		
	Cement				
	Sand				
	Gravel				
	10mm Ø Reinf. Steel Bars dowels				
	GI Wire # 16				
	Sub - Total IV				P -----
V DRAINAGE SYSTEM					
Drainage Line					
01	(300mm dia Culvert with Drain Basins)	113	m		
	Sub - Total V				P -----
VI PERIMETER FENCE					
(Length=106 meters)					
01	Concrete Volume (Footing)	24	cu.m		
	Cement				
	Sand				
	Gravel				
	12mm Ø Reinf. Steel Bars Grade 40				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
CHB Wall					
	Wall Area				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
02	Cement	318	sq.m		
	Sand				
	150 x 200 x 400mm CHB				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
03	Plastering	508	sq.m		
	Wall Area				
	Cement				
	Sand				
Sub - Total VI					----- ₱
VII ANTENNA TOWER FOUNDATION					
Earthworks					
01	Excavation/Backfilling and compaction	61	cu.m		
02	Gravel Bedding	61	cu.m		
03	Footing and Pedestal	12	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	16mm Ø Reinf. Steel Bars Grade 60				
	10mm Ø Reinf. Steel Bars Grade 60				
	GI Wire # 16				
Sub - Total VII					----- ₱ -
B. THREE-STOREY ADMIN BUILDING					
VIII EARTH WORKS					
Clearing and Grubbing					
01	Clearing and Grubbing	500	sq.m		
Earthworks					
02	Excavation/Backfilling and compaction	260	cu.m		
03	Gravel Bedding	35	cu.m		
Soil Poisoning					
04	Surface Area	500	sq.m		
05	Solignum (Termite Control) Clear				
06	Landscaping (Garden Soil, Plants & Vegetation)	1	lot		
Sub - Total VIII					----- ₱
IX PLAIN AND REINFORCED CONCRETE WORKS					
01	Footing	34.95	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	20mm Ø Reinf. Steel Bars Grade 60				
	GI Wire # 16				
02	Beam (Grade, 2nd, 3rd, roof deck, cantilevers)	45	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	20mm Ø Reinf. Steel Bars Grade 60				
	10mm Ø Reinf. Steel Bars Grade 40				
GI Wire # 16					
03	Column				
	Concrete Volume				
	Cement				
	Sand				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
03	Gravel	24	cu.m		
	20mm Ø Reinf. Steel Bars Grade 60				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
04	Slab on Fill(1st Floor level)	20	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	10mm Ø Reinf. Steel Bars Grade 40				
GI Wire # 16					
05	Suspended Slab (2nd, 3rd, roof deck, platform, cantilever, balcony)	64	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	12mm Ø Reinf. Steel Bars Grade 40				
GI Wire # 16					
06	Stairs Ways	5	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	10mm Ø Reinf. Steel Bars (Longitudinal Reinf.)				
	10mm Ø Reinf. Steel Bars (Stiffeners Reinforcing)				
	10mm Ø Reinf. Steel Bars (Main Reinf.)				
10mm Ø Reinf. Steel Bars (Landing Reinf.)					
07	Concrete Window Ledge, Counter Top, Storm Drains, Septic Tank Cover, Cistern Tank, Ramp	12	cu.m		
	Flagpole Pedestal				
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
10mm Ø Reinf. Steel Bars Grade 40					
GI Wire # 16					
08	Septic Tank (Including Plastering)	10.42	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	150 x 200 x 400mm CHB(Load Bearing)				
	10mm Ø Reinf. Steel Bars Grade 40				
GI Wire # 16					
09	Cistern Tank	8	cu.m		
	Concrete Volume				
	Cement				
	Sand				
	Gravel				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
Water Proofing Membrane					
10	Miscellaneous (Forms & Scaffolding)	360	sq.m		
	Form Works Area				
	Woodforms (Coco Lumber)				
	Marine Plywood 3/4" x 4' x 8'				
	Assorted Nails				
Form Oil					

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
	GI Wire # 16				
	Sub - Total IX				P -----
X	MASONRY WORKS				
	CHB Walls (Building)				
01	Exterior Wall Area	997	sq.m		
	Interior Wall Area				
	Cement				
	Sand				
	150 x 200 x 400mm CHB (Load Bearing)				
	100 x 200 x 400mm CHB				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
	Parapet CHB Laying				
02	Wall Area	65	sq.m		
	Cement				
	Sand				
	150 x 200 x 400mm CHB (Load Bearing)				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
	Site Works				
	Concrete Plant Bin				
03	Wall Area	96	sq.m		
	Cement				
	Sand				
	100 x 200 x 400mm CHB				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
	Storm Drainage Canal				
04	Wall Area	48	sq.m		
	Cement				
	Sand				
	100 x 200 x 400mm CHB				
	10mm Ø Reinf. Steel Bars Grade 40				
	GI Wire # 16				
	Plastering (25mm thk)				
05	Wall Area	996.8	sq.m		
	Cement				
	Sand				
	Topping				
06	Floor Area (Assume thk. = 50mm)	589	sq.m		
	Cement				
	Sand				
	Wall Cladding				
07	Wall Area (GT LedgeStone)	25.2	sq.m		
	Cement				
	Sand				
	Concrete Moulding				
08	Wall Area	2	sq.m		
	Cement				
	Sand				
	Sub - Total X				P -----
XI	STEEL WORKS				
	Exterior and Interior Staircase Railing				
01	Stainless Stair Railings	20	sq.m.		
02	Stainless Railings (Roof deck, Balcony, Ramp)	96.2	sq.m.		
	Flagpole				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
03	110mm dia Stainless Steel Pipe x 6.0m	1	lot		
	65mm dia Stainless Steel Pipe x 6.0m				
	25mm" dia Stainless Steel Pipe x 6.0m				
	Accessories				
Signage, Lettering and Logos					
04	1000mm dia. PCG Stainless Logos	1	lot		
05	1000mm dia. Station Stainless Logos	1	lot		
06	150mm Satin Stainless Lettering	1	lot		
	120mm Satin Stainless Lettering				
	80mm Satin Stainless Lettering				
Barbed Wire Fence					
07	Ga#12 (2.75mm thk.) x 50m Barbed Wire	1	lot		
	Ga#12 @ 10m Razor Barbed Wire(Cross Type)				
	38.1dia GI Pipe x 6.0m				
	10mm dia. RSBx6.0m				
	Pointed Steel Railings				
Front perimeter Security Fence					
08	5mmx50mmx50mmx6000mm Angle Bars	1131	kgs		
	Welding Rod				
Steel Gate Frame					
09	4mmx50mm100x6000mm Tubular(Gate)	1	lot		
	1.5mmx25mm50x6000mm Tubular(Gate)				
	Pillow Block				
	Pinned Ball Hinges				
	Metal Roller Track				
	Welding Rod for Stainless Steel				
	Bolt type security lock				
Storm Drain Cover/Grating					
10	Catch Basin Cover (Steel grating) 300mm x 300mm	17	sets		
Sub - Total XI					P -----
XII DOORS AND WINDOWS					
01	(D-1), Double Leaf Glass Doors (1-SET)	4.94	sq.m		
02	(D-2), Single Leaf Swing Glass Doors (2-SET)	3.58	sq.m		
03	(D-3), Single Leaf Sliding Glass Doors (2-SET)	3.58	sq.m		
04	(D-4), 850mm x 2100mm Wood Panel Door on Wood Jamb Painted with Quick Dry Enamel with complete accessories and hardware. (32 Sets)	23.52	sq.m		
05	(D-5), 700mm x 2100mm Flush type Hollow Core metal sheet Painted Finish with louver Panel with complete accessories and hardware (1 sets)	1.57	sq.m		
06	(D-6), 600mm x 2100mm PVC Flush type Hollow Core louver Panel with complete accessories and hardware (20 sets)	29.4	sq.m		
Hardware					
07	Door Locks	58	sets		
Window					
08	(W-1), 1800mm x 1200mm Awning window type with 6mm thk clear tempered glass on powder-coated frames with complete accessories and hardware (17 sets)	58	sq.m		
09	(W-1), Curtain Wall (10mm thk.Tempered glass on Aluminum Frame)	12.1	sq.m		
Sub - Total XII					P -----
XIII TILE WORKS					
01	Floor Finishes	393	sq.m		
	600 x 600 Polished Granite Floor Tiles				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
02	T&B Floor Area	54	sq.m		
	300 x 300 Non Skid Homogenous Floor Tiles				
03	T&B Wall Area	130	sq.m		
	300 x 600 Homogenous Wall Tiles				
04	Kitchen and Pantry Counter Top Area	6	sq.m		
	600 x 600 Polished Granite Tiles				
05	Stair Nosing	24	pcs		
	Non-Slip 50MM x 2.4m Aluminum with Black Rubber				
Miscellaneous					
06	Tile Adhesive 25kg /bag	1	lot		
	Tile Grout 2.0kg				
	Tile Cutting Disk, 4"				
	Sand				
Sub - Total XIII					----- ₱
XIV CARPENTRY WORKS					
01	Ceiling System	356	sq.m		
	Ceiling Area				
	3.5mmx1200mmx2400mm Concrete Fiber Board				
	12mmx38mmx5m Carrying Channel				
	Furring Runner x3600mm				
	Preformed Clips				
	Hanger accessories				
Assorted Wood Screw					
02	Cornice and Baseboards	423	l.m		
	Cornice Horizontal Length				
	25.4mmx76.2x101.6mm Lumber Moulding				
	Baseboard Horizontal Length				
	25.4mmx76.2x101.6mm Lumber Moulding				
	Assorted CW Nails				
Assorted Wood Screw					
Stickwell					
03	32 units Wood lockers	230.00	sq.m		
	Area				
	4' x 8' x 3/4" Marine Plywood				
	4' x 8' x 1/4" Marine Plywood (Backing)				
	1/2" x 2"x8 Wood Trim (Edging)				
	Stickwell				
	Assorted Finishing Nails				
	Concealed Hinges				
	Cabinet Door Handles				
Drawer Guide					
Lockset					
04	Kitchen Hanging Cabinets, Shelve/ Cabinets and working tables	115.2	sq.m		
	Area				
	4' x 8' x 3/4" Marine Plywood				
	1/2" x 2"x8 Wood Trim (Edging)				
	Stickwell				
	Assorted Finishing Nails				
	Concealed Hinges				
	Cabinet Door Handles				
Drawer Guide					
Sub - Total XIV					----- ₱
XV PAINTING WORKS					
	<i>Masonry Wall Exterior (3 coats)</i>				
	<i>Steel Surface (3 coats)</i>				
	<i>Ceiling (3 Coats)</i>				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
01	<i>Cabinets, Lockers, Shelves and working tables</i>	1100	sq.m		
	<i>Doors</i>				
	<i>Cornices and Baseboards</i>				
	Flat Latex				
	Semi Gloss Latex				
	Assorted Tinting Color				
	Concrete Neutralizer				
	Flat Wall Enamel				
	Quick Dry Enamel semi gloss				
	Epoxy Primer				
	Paint Thinner				
	4" Roller Paint w/ Tray				
	Assorted Paint Brush				
	Putty Knife				
	Patching Compound				
	Glazing Putty				
	Sand Paper				
	Wood stain				
	Polyurethane				
	Sub - Total XV				----- ₱
XVI WATERPROOFING					
01	Membrane Water Proofing				
	With Granules Torch Applied	170	sq.m.		
	Sub - Total XVI				----- ₱
XVII PLUMBING WORKS					
01	Water Line	156	l.m		
	uPVC Pipe Laying 25mm dia				
	uPVC Pipe Laying 20mm dia				
	Gate Valve, 20mm dia				
	Gate Valve, 25mm dia				
	Check Valve, 25mm dia				
	Water Meter				
	uPVC pipe, 25mm dia x 3m				
	uPVC pipe, 20mm dia x 3m				
	uPVC elbow, 25mm dia x 90 deg				
	uPVC elbow, 20mm dia x 90 deg				
	uPVC tee, 25mm dia				
	uPVC tee, 20mm dia				
	uPVC coupling, 25mm dia				
	uPVC coupling, 20mm dia				
	uPVC elbow reducer, 25mm x 20mm dia				
	uPVC tee reducer, 25mm x 20mm dia				
	uPVC Male adapter, 20mm dia				
	uPVC Male adapter, 25mm dia				
	Teflon Tape				
	Solvent Cement				
02	Storm Drainage Line	153	l.m		
	uPVC Pipe laying 4" Diameter				
	uPVC Pipe laying 6" Diameter				
	uPVC Pipe 4"x10' diameter				
	uPVC Pipe 6"x10' diameter				
	uPVC elbow 4"x90 degree diameter				
	uPVC Coupling 6"				
	uPVC Coupling 4"				
	Roof Strainer / Roof Drain				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
	Solvent cement 400cc				
	Sewer Line				
03	uPVC Pipe laying 4" Diameter	90	l.m		
	uPVC Pipe laying 3" Diameter				
	uPVC Pipe laying 2" Diameter				
	uPVC Pipe 4"x10' diameter				
	uPVC Pipe 3"x10' diameter				
	uPVC Pipe 2"x10' diameter				
	uPVC elbow 4"x90 degree diameter				
	uPVC Elbow 4"x45deg dia				
	uPVC Elbow 3"x45deg dia				
	uPVC Double Wye Reducer 4" x 3"				
	uPVC Cleanout 4"				
	uPVC Tee Reducer 4" x 2"				
	uPVC Wye Reducer 4"x 3" dia				
	uPVC Double Wye Reducer 4"x2"				
	uPVC P-Trap 2"				
	uPVC P-Trap 3"				
	uPVC Tee 2" Dia. (50mm)				
	uPVC Elbow 90 deg. 2" Dia. (50mm)				
	uPVC Elbow 90 deg. 3" Dia. (75mm)				
	uPVC Sanitary Tee 4" Dia. (100mm)				
	uPVC Double Sanitary Tee 4" Dia. (100mm)				
	uPVC Coupling 4"				
	uPVC Coupling 3"				
uPVC Coupling 2"					
	Solvent cement 400cc				
	Plumbing Fixtures				
04	Water Closet with complete accessories	10	set		
05	Lavatory with complete accessories	10	set		
06	Urinal	1	set		
07	Bidet Spray with complete accessories	3	set		
08	Shower set with complete accessories	3	set		
09	Facial Mirror (60x80m)	3	pcs		
10	Tissue Holder with cover	10	pcs		
11	Stainless Faucet	16	pcs		
12	Stainless Floor drain, 100mm x 100mm	12	pcs		
13	Stainless Sink	1	pcs		
	Water tanks and Accessories				
14	2000 Liters Stainless Steel Water Tank	2	units		
15	80 gals. Pressure Tank	2	units		
16	1.5Hp Pressure Tank motor	2	units		
17	Assorted Pipes and Fittings	1	lot		
	Sub - Total XVII				----- P
XVIII ELECTRICAL & AUXILLIARY SYSTEM WORKS					
XVIII A WIRES AND CABLES					
THHN (Branch Circuits)					
01	3.5 mm ² Cu Cond Strnd	17	rolls		
02	5.5 mm ² Cu Cond Strnd	5	rolls		
03	2.0 mm ² Royal cord 3C (75m)	1	roll		
THW (Feeder/Subfeeder)					
01	8.0 mm ² Cu Cond Strnd	10	rolls		
02	50 mm ² Cu Cond Strnd	10	mtrs		
03	80 mm ² Cu Cond Strnd	10	mtrs		
04	250 mm ² Cu Cond Strnd	60	mtrs		
TW (Grounding)					
01	3.5 mm ² Cu Cond Strnd	5	rolls		
02	5.5 mm ² Cu Cond Strnd	3	rolls		

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
03	8.0 mm ² Cu Cond Strnd	5	rolls		
04	50 mm ² Cu Cond Strnd	5	mtrs		
05	80 mm ² Cu Cond Strnd	5	mtrs		
06	250 mm ² Cu Cond Strnd	30	mtrs		
XVIII B	PIPES AND FITTINGS				
	PVC PIPES				
01	20 mm \emptyset x 3m	285	lgths		
02	25 mm \emptyset x 3m	85	lgths		
03	32 mm \emptyset x 3m	2	lgths		
04	50 mm \emptyset x 3m	2	lgths		
05	63 mm \emptyset x 3m	2	lgths		
06	90 mm \emptyset x 3m	6	lgths		
	PVC ELBOW				
01	32 mm \emptyset	2	pcs		
02	50 mm \emptyset	2	pcs		
03	63 mm \emptyset	2	pcs		
04	90 mm \emptyset	4	pcs		
	PVC ENDBELL				
01	32 mm \emptyset	2	pcs		
02	50 mm \emptyset	2	pcs		
03	63 mm \emptyset	2	pcs		
04	90 mm \emptyset	2	pcs		
	IMC PIPES				
01	90 mm \emptyset x 3m	2	lgths		
	IMC COUP				
01	90 mm \emptyset	1	pc		
	IMC L & B				
01	90 mm \emptyset	4	pcs		
XVIII C	WIRING DEVICES				
01	One-Way, One-Gang Switch	16	sets		
02	One-Way, Two-Gang Switch	19	sets		
03	One-Way, Three-Gang Switch	5	sets		
04	Three-Way, One Gang Switch	4	sets		
05	One-Gang Conv Outlet	21	sets		
06	Duplex Conv Outlet	78	sets		
07	Special Purpose Conv Outlet	4	sets		
08	ACU Convenience Outlet	14	sets		
09	Weather Proof Con. Outlet	7	sets		
XVIII D	LIGHTING FIXTURES				
01	2 x 18W LED FF Egg-Crate Type	19	units		
02	1 x 18W LED FF Egg-Crate Type	20	units		
03	1 x 12W LED Pinlight	45	units		
04	1 x 12W LED Wall Light	8	units		
05	1 x 20W LED Flood Light	4	units		
06	1 x 12W LED Outdoor Lamp	4	units		
07	Emergency Lights	33	units		
08	Emergency Exit Light	14	units		
09	Foot Lamps	6	units		
XVIII E	FIRE ALARM SYSTEM				
	WIRES AND CABLES				
01	TF Wire# 16	3	roll		
02	2.0 mm ² Cu Cond Strnd	2	roll		
	PIPES AND FITTINGS				
01	15 mm \emptyset x 3m EMT	65	lgths		
02	20 mm \emptyset x 3m EMT	20	lgths		
03	25 mm \emptyset x 3m EMT	10	lgths		
04	32 mm \emptyset x 3m IMC	4	lgths		
05	32 mm \emptyset IMC L&B	4	pcs		
06	EMT Connectors, 15mm \emptyset	70	pcs		
07	EMT Connectors, 20mm \emptyset	35	pcs		
08	EMT Connectors, 25mm \emptyset	16	pcs		
09	EMT Coupling, 15mm \emptyset	65	pcs		

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
10	EMT Coupling, 20mm Ø	20	pcs		
11	EMT Coupling, 25mm Ø	10	pcs		
WIRING DEVICES					
01	Smoke Detector	35	pcs		
02	Fire Alarm Bell	3	unit		
03	Fire Alarm Manual Station	3	unit		
04	FACP And Anunciators	1	unit		
BOXES AND CONDULETS					
01	4 x 4 Ga#14 J Box with Cover	50	pcs		
02	4 x 2 Ga#14 Utility Box	10	pcs		
MISCELLANEOUS AND HARDWARES					
01	Fire Extinguisher	13	units		
02	Hangers and Supports	1	lot		
XVIIIIF	TELEPHONE / INTERCOM SYSTEM				
WIRES AND CABLES					
01	Telephone Wire (100m)	2	rolls		
PIPES AND FITTINGS					
PVC CONDUITS					
01	20 mm Ø x 3m PVC	35	lgths		
02	25 mm Ø x 3m PVC	40	lgths		
03	32 mm Ø x 3m PVC	5	lgths		
04	32 mm Ø Endbell	10	pcs		
DEVICES					
01	Telephone outlet	13	sets		
BOXES AND CABINETS					
01	TTC	1	unit		
02	4 x 2 Ga#14 Utility Box	13	pcs		
XVIIIIG	CABLE TV SYSTEM				
WIRES AND CABLES					
01	CO-Axial Cable	1	roll		
02	Standard HDMI Cable 1080i and 720p	100	mtrs		
PIPES AND FITTINGS					
PVC CONDUITS					
01	20 mm Ø x 3m PVC	25	lgths		
02	25 mm Ø x 3m PVC	35	lgths		
DEVICES					
01	Cable TV Outlet	8	sets		
02	Cable TV 2-way Splitter	1	pc		
03	Cable TV 3-way Splitter	1	pc		
04	Cable TV 5-way Splitter	1	pc		
05	HDMI Connectors	16	pcs		
06	TV Outlets	8	sets		
BOXES AND CABINETS					
01	MATV	1	unit		
02	4 x 4 Ga#14 J Box with Cover	16	pcs		
03	4 x 2 Ga#14 Utility Box	16	pcs		
XVIIIH	COMPUTER/LAN SYSTEM				
WIRES AND CABLES					
01	UTP Cable (CAT 6e)	2	rolls		
PIPES AND FITTINGS					
PVC CONDUITS					
01	20 mm Ø x 3m PVC	65	lgths		
02	25 mm Ø x 3m PVC	5	lgths		
DEVICES					
01	Port Switch (16 ports)	2	units		
02	Computer outlet(LAN)	17	sets		
03	RJ45	35	pcs		
BOXES AND CABINETS					
01	PullBox 6x6	3	pcs		
02	4 x 4 Ga#14 J Box with Cover	17	pcs		
03	4 x 2 Ga#14 Utility Box	17	pcs		
XVIII	SECURITY CAMERA SYSTEM				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
WIRES AND CABLES					
01	RG6 Siamese Cable w Gel Coaxial cable Power DC (200m)	1	roll		
PIPES AND FITTINGS					
PVC CONDUITS					
01	20 mm Ø x 3m PVC	55	lgths		
CAMERAS					
01	HighDefinition Camera Dome 720p to 1080p 2Megapixel	13	units		
02	Bullet outdoor Camera 2MP 1080p	2	units		
PANNING UNITS & CONTROLLERS					
01	Control Keyboard w/ LCD and 3-Axis Joystick	1	unit		
DIGITAL VIDEO RECORDERS					
01	1080p 16 Channel Real Time Digital Video Recorder w/ USB, Mouse and Networking, 2TB Hard Disc Drive	1	unit		
CCTV ACCESSORIES					
01	BNC Connector for RG6	30	pcs		
02	DC Connector	15	pcs		
03	20 Amps Centralized Power 20A w/ Panel Box Supply w/ Panel	1	unit		
BOXES AND CABINETS					
01	4 x 4 Ga#14 J Box with Cover	15	pcs		
XVIIIJ MUSIC SYSTEM & PA SYTEM					
WIRES AND CABLES					
01	Speaker Cable Red & Black (100/roll) Gauge 12	2	rolls		
PIPES AND FITTINGS					
PVC CONDUITS					
01	20 mm Ø x 3m PVC	45	lgths		
02	25 mm Ø x 3m PVC	15	lgths		
SPEAKERS AND AMPLIFIER					
01	Kevler CSL-803 in-ceiling Speakers	23	units		
02	Intergrated Stereo Amplifier	1	unit		
03	Stereo Speaker Switch Box	1	unit		
ACCESSORIES					
01	Connectors	46	pcs		
02	Terminals	46	pcs		
BOXES AND CABINETS					
01	4 x 4 Ga#14 J Box with Cover	46	pcs		
02	6 x 6 Ga#14 J Square Box with Cover	3	pcs		
XVIIIK BOXES AND CONDULETS					
01	4 x 4 Ga#14 J Box with Cover	100	pcs		
02	4 x 2 Ga#14 Utility Box	230	pcs		
03	6 x 6 Ga#14 Pull Box	25	pcs		
XVIII L SOLAR POWER SYSTEM					
01	Solar Panel and Accessories	20	units		
02	Solar Battery and Accessories	20	units		
03	Solar Charger/Charge Controller	1	unit		
04	Combiner	1	unit		
05	Inverter (5kw)	1	unit		
06	Automatic Transfer Switch	1	unit		
07	Wires and Cables	1	lot		
08	Pipes and Fittings	1	lot		
09	Hangers and Supports	1	lot		
10	Miscellaneous and Hardwares	1	lot		
XVIII M PANEL BOARDS AND CIRCUIT BREAKERS					
	LP				
	Main: , 40AT,10kAIC, 50AF				
	230V,2P,60HZ,				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
01	Din-Rail Mini-Breaker	1	assy		
	Branches:				
	15 - 10AT, 50AF, 6kAIC, 2P				
	230V, 60Hz, 1-space w/ flash mounting enclosure				
02	PP	1	assy		
	Main: , 140AT,14kAIC, 150AF				
	230V,2P,60HZ,				
	Din-Rail MCCB				
	Branches:				
	18 - 20AT, 50AF, 10kAIC, 2P				
230V, 60Hz, 2-space w/ flash mounting enclosure					
03	PPACU	1	assy		
	Main: , 150AT,22kAIC, 150AF				
	230V,2P,60HZ,				
	Din-Rail MCCB				
	Branches:				
	6 - 16AT, 50AF, 10kAIC, 2P				
8 - 20AT, 50AF, 10kAIC, 2P					
230V, 60Hz, 2-space w/ flash mounting enclosure					
04	PC	1	assy		
	Main: , 40AT,10kAIC, 50AF				
	230V,2P,60HZ,				
	Din-Rail Mini-Breaker w/ flash mounting enclosure				
05	DP	1	assy		
	Main: , 350AT,35kAIC, 350AF				
	230V,2P,60HZ,				
	Din-Rail MCCB				
	Branches:				
	2 - 40AT, 50AF, 10kAIC, 2P				
	Din-Rail Mini-Breaker				
	1 - 140AT, 150AF, 14kAIC, 2P				
	Din-Rail MCCB				
	1 - 150AT, 150AF, 22kAIC, 2P				
Din-Rail MCCB					
230V, 60Hz, 2-space w/ flash mounting enclosure					
06	MDS	1	assy		
	Main: , 350Amps, 35kAIC, 250V, 60Hz				
	2P, Fusible Type in NEMA 3R Enclosure				
07	GENSET, WIRES and CABLES	1	lot		
	100Kva, 60 Hz, 240V Single Phase				
	with ATS,Breakers, wires & cables and Accessories				
	-2-250 mm ² THW +				
	-1-250 mm ² THW G				
-1-90mm ² PVC Conduit					
XVIII	MISCELLANEOUS AND HARDWARES				
01	30 mm ² Bare Copper Wire	120	mtrs		
02	5/8 x 3m Ground Rod	4	pcs		
03	Exothermic Welding Process	8	lots		
04	Grounding Hand Hole	4	sets		
05	Electrical Tape	10	bndls		
06	Rubber Tape	10	rolls		
07	Hacksaw Blade	10	pcs		
08	Ga #14 GI Pull Wire	5	kgs		
09	PVC Cement, 120cc	10	cans		
10	5mm x 300mm Cable Ties	2	pcks		
11	Assorted Terminal Lugs	1	box		

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
12	Assorted Bolts and Nuts	2	box		
13	Rubberized Cotton Gloves	10	pairs		
14	Butane Gas Noozle	2	pcs		
15	Butane Gas	10	pcs		
16	Entrance Cap,90mm dia.	1	pc		
	Sub - Total XVII				P -----
C GUARD HOUSE					
XIX GUARD HOUSE & SENTRY TOWERS					
01	Earthworks	20	cu.m		
02	3000 Psi Rreinforced Concrete	20	cu.m		
03	Carpentry Works	60	sq.m		
04	Doors and Windows	7.62	sq.m		
05	Painting Works	200	sq.m		
06	Roofing Works	40	pcs		
07	Electrical Works	1	lot		
	Sub - Total XVIII				P -----
D GENSET CANOPY					
XX GENSET CANOPY					
	3.00m x4.00m Floor Area				
01	Earthworks	15	cu.m		
02	3000 Psi Rreinforced Concrete	6	cu.m		
04	Steel Framing	12	sq.m		
05	Painting Works	12	sq.m		
06	Roofing Works	25	sq.m		
	Sub - Total XXI				P -----
E BOAT SLIPWAY					
XXII BOAT SLIPWAY					
	(Width-4.00m, Length -14.00m)				
01	Volume	62	cu.m		
	Cement				
	Sand				
	Gravel				
	10mm dia Reinf. Steel Bars				
	Stone Boulders (Head Size, Weight of 10-15 kg)				
	Sand (30% Volume voids for Mortar)				
	100mm dia x 3.00m PCV				
	Woodforms				
	3/8" thk. Formfly				
	Assorted Nails (3"/4"/5")				
	Ga # 16 GI Tie Wires				
	Sub - Total XX				P -----
F BOAT HOUSE					
XXIII BOAT HOUSE					
	4.00m x 6.00m Floor Area				
	Footing				
01	Concrete Volume	5	cu.m		
02	Portland Cement				
03	Sand				
04	3/4" Crushed Gravel				
05	16mm dia Reinf. Steel Bars				
06	10mm dia Reinf. Steel Bars				

ITEM NO	DESCRIPTION	QTY	UNIT	UNIT PRICE (Pesos)	AMOUNT (Pesos)
Boat Shed post/Beams and Frame Braces					
01	65 mm dia G.I. Pipe sched 40	12	pcs		
02	38 mm dia G.I. Pipe sched 40	4	pcs		
03	25 mm dia G.I. Pipe sched 40	4	pcs		
Steel Truss					
01	1/4 thk 2x3x20' Purlins	16	pcs		
02	1/4 thk 2x6x20' Purlins(fascia)	2	pcs		
03	Welding Rod	2	box		
04	16 mm dia x 20 Round Bar Tension Rod	6	pcs		
Roofing					
01	0.60 thk. Pre-painted Roofing sheets (1050mm)	60	sq.m		
	Bender Accessories				
	Texcrew				
02	Surface Area	18.5	sq.m		
	Epoxy Enamel Black w/ Catalyst				
	Epoxy Primer				
	Acrylic Thinner				
Sub - Total XXI					P -----
GRAND TOTAL COST					P

AMOUNT IN WORDS: _____

Submitted by:

Name and Signature of Bidder's Representative

Date

Position

Name of the Company



Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

Each Bidder shall submit one (1) original and six (6) copies of the first and second components of its bid through their duly authorized representatives.

All envelopes shall:

- a. contain the name of the contract to be bid in **capital letters**;
- b. bear the name and address of the Bidder in capital letters;
- c. be addressed to the BAC with the following details:

**BIDS AND AWARDS COMMITTEE (BAC)
PHILIPPINE COAST GUARD – NATIONAL HEADQUARTERS**

- d. bear the specific identification of this bidding process; and
- e. bear a warning “**DO NOT OPEN BEFORE...**” the date and time for the opening of bids.

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

- Valid and updated Philippine Government Electronic Procurement System (PhilGEPS) Certificate of Registration and Platinum Membership in accordance with Section 8.5.2 of the 2016 Revised IRR of RA 9184, if registered under the Platinum category; Provided that all of the eligibility documents submitted to PhilGEPS are maintained and updated;

OR

In case any of the eligibility documents submitted to PhilGEPS is not updated, combination of a PhilGEPS Certificate of Registration and Platinum Membership, with any of the valid/updated Class “A” Eligibility Documents shall be submitted:

1. Securities and Exchange Commission (SEC) Registration Certificate for corporations, partnerships and/or joint ventures, Department of Trade and Industry (DTI) Registration Certificate for sole proprietorship, or Cooperative Development Authority (CDA) Registration Certificate for cooperatives; **AND/OR**

2. Valid Mayor's or Business Permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas.

In cases of recently expired Mayor's/Business Permits, it shall be accepted together with the official receipt as proof that the bidder has applied for the renewal within the period prescribed by the concerned local government unit, provided that the renewed permit shall be submitted as a post-qualification requirement in accordance with Section 34.2 of the 2016 Revised IRR of R.A. 9184; **AND/OR**

3. Valid Tax Clearance Certificate per Executive Order (E.O.) No. 398, series of 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); **AND/OR**
4. Latest Audited Financial Statements (AFS), stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year. In case the AFS for the preceding calendar year is not yet available, said AFS should not be earlier than two (2) years from the deadline for the Submission and Receipt of Bids.

OR;

In lieu of the PhilGEPS Certificate of Registration and Platinum Membership, bidders shall submit all of the proceeding valid and/or updated Class "A" Eligibility Documents; Provided that the bidder having the LCB/SCB submit/s a valid and updated PhilGEPS Platinum Certificate of Registration and Membership within five (5) calendar days from receipt of the BAC notice of the LCB/SCB during the post-qualification process

1. SEC Registration Certificate for corporations, partnerships and/or joint ventures, DTI Registration Certificate for sole proprietorship, or CDA Registration Certificate for cooperatives;
2. Valid Mayor's or Business Permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas.

In cases of recently expired Mayor's/Business Permits, it shall be accepted together with the official receipt as proof that the bidder has applied for the renewal within the period prescribed by the concerned local government unit, provided that the renewed permit shall be submitted as a post-qualification requirement in accordance with Section 34.2 of the 2016 Revised IRR of R.A. 9184;

3. Valid Tax Clearance Certificate per Executive Order (E.O.) No. 398, series of 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); **AND**

4. Latest AFS stamped “received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year. In case the AFS for the preceding calendar year is not yet available, said AFS should not be earlier than two (2) years from the deadline for the Submission and Receipt of Bids.

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.

The Statement of all On-going Government and Private Contracts shall indicate for each contract, state the following:

- name of the contract;
- date of the contract;
- contract period;
- owner’s name and address;
- amount of contract and value of outstanding contracts;
- date of completion (please state estimated date of completion)

For purposes of post-qualification, the bidders are required to submit copies of the Notices of Award (NOA), Contract/Purchase Order and Notice to Proceed (NTP) for all on-going government contracts. On the other hand, for on-going private contracts, bidders shall submit a copy of its contract and/or other equivalent documents of the NOA and NTP, if any.

Non-submission of copies of the NOA, Contract/Purchase Order and NTP on the deadline for the Submission and Receipt of Bids shall not be a ground for the bidder’s disqualification. However, the bidder having the Lowest/Single Calculated Bid shall be requested by the Technical Working Group (TWG) to provide copies of the aforesaid documents as part of the verification and validation process during post-qualification.

- (e) Statement of the bidder’s Single Largest Completed Contract (SLCC) similar to the contract to be bid, which should be equivalent to at least fifty percent (50%) of the ABC or not less than the amount of Ten Million One Hundred Ninety-Four Thousand One Hundred Seventy-Four Pesos and 76/100 (PhP10,194,174.76), Provided, however, That contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than fifty percent (50%) of the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.

The statement identifying the SLCC shall indicate the following:

- (a) name of the contract;
- (b) date of the contract;
- (c) contract period;

- (d) owner's name and address;
- (e) amount of completed contracts, adjusted by the bidder to current prices using PSA's consumer price index, if necessary for purposes of meeting the SLCC requirement; and
- (f) date of completion (actual date of delivery for the single largest completed contract).

The SLCC shall be supported by an Owner's Certificate of Final Acceptance issued by the project owner other than the contractor or a final rating of at least Satisfactory in the Constructors Performance Evaluation System (CPES). In case of contracts with the private sector, an equivalent document shall be submitted.

For purposes of post-qualification, bidders are required to attach the following in its submitted Statement Identifying the SLCC:

- i. If the contracting party is a Procuring Entity:
 - a.1. Entire set of the Contract, Purchase Order or Memorandum of Agreement;
 - a.2. NOA; and
 - a.3. NTP
- ii. If the contracting party is a private company:
 - b.1. Entire set of the Contract, Purchase Order or other equivalent document.

Bidders are also required to Include in the aforesaid Statement of All On-going Government and Private Contracts and Statement Identifying the SLCC the following information:

- a) Contact Person; and
 - b) Contact Details (telephone/fax/cellphone number and/or email address); **and**
- (f) Philippine Contractors Accreditation Board (PCAB) License, unless a PCAB license has already been submitted to PhilGEPS;
or
Special PCAB License in case of Joint Ventures;
and registration for the type and cost of the contract to be bid; **and**
- (c) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission, based on the following schedule:

<ul style="list-style-type: none"> a) Cash, cashier's/ manager's check issued by a Universal or Commercial Bank; b) Bank draft/ guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank 	<ul style="list-style-type: none"> c) Surety Bond, callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission authorized to issue said security specific for the project <p style="text-align: center;">[at least Five Percent (5%) of the ABC]</p>
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[at least Two Percent (2%) of the ABC]	
PhP407,766.99	PhP1,019,417.48

OR;

Original copy of Notarized Bid Securing Declaration; **and**

- (g) 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**
- (h) Original duly signed Omnibus Sworn Statement (OSS); and if applicable, Original Special Power of Attorney for sole proprietorships, Notarized Secretary’s Certificate/Board Partnership Resolution 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.

Reminder: If the prospective bidder’s representative who will attend the Submission, Receipt, Opening and Preliminary Examination of Bids is different from the authorized representative to do, execute and perform any and all acts necessary and/or to represent the prospective bidder in the bidding, then the prospective bidder can include the name/s of said representative in the above-mentioned proofs of authorization (e.g., original copy of the duly notarized Secretary’s Certificate for corporations, Board/Partnership Resolution for partnerships, corporations, and/or joint ventures or an original copy of the Special Power of Attorney for sole proprietorships, whichever is applicable).

Financial Documents

- (i) The prospective bidder’s computation of Net Financial Contracting Capacity (NFCC) which should be at least equivalent to the ABC in the amount of **Twenty Million Three Hundred Eighty-Eight Thousand Three Hundred Forty-Nine Pesos and 51/100 (PhP20,388,349.51)**.

Class “B” Documents

- (j) 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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

- (l) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- (m) 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**
- (n) Cash Flow by Quarter.

ADDITIONAL REQUIREMENTS TO BE COMPLIED BY THE WINNING SUPPLIER:

Within ten (10) calendar days from receipt of the Notice of Award (NOA), the winning supplier shall submit a Performance Securing Declaration or any form of Performance Security in accordance with the following schedule pursuant to Section 39 of the 2016 Revised IRR of R.A. 9184 **which shall be denominated in Philippine Pesos, posted in favor of the Philippine Coast Guard and shall remain valid until issuance by the Philippine Coast Guard of the Certificate of Final Acceptance**, to wit:

<p>a) Cash, cashier’s/ manager’s check issued by a Universal or Commercial Bank;</p> <p>b) Bank draft/ guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank</p> <p>[at least Two Percent (5%) of the Contract Price]</p>	<p>c) Surety Bond, callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission authorized to issue said security specific for the project</p> <p>[at least Thirty Percent (30%) of the Contract Price]</p>
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The end-user or implementing units shall be responsible in monitoring the validity of the performance security. In case, the winning supplier submits a Performance Securing

Declaration, the end-user or implementing unit can request the winning supplier to replace the submitted Performance Securing Declaration with any of the above-mentioned allowable forms during contract implementation.

DIAGRAM FOR THE SEALING AND/OR PACKAGING OF THE BID ENVELOPES

