

Abstract

Invitation to Bid (ITB)

Reference Number 4455695

Procuring Entity BATANES GENERAL HOSPITAL

Title Proposed Construction of Diagnostic Building Phase I under Design and Build Scheme

Area of Delivery

Solicitation Number:	ITB 2017-02	Status	Pending
Trade Agreement:	Implementing Rules and Regulations	Associated Components	1
Procurement Mode:	Public Bidding	Bid Supplements	0
Classification:	Civil Works	Document Request List	0
Category:	Construction Projects	Date Published	08-Apr-2017
Approved Budget for the Contract:	PHP 17,320,000.00	Last Updated / Time	07-Apr-2017 11:22 AM
Delivery Period:	547 Day/s	Closing Date / Time	02-May-2017 14:00 PM
Client Agency:			
Contact Person:	Ricardo V Nuñez Administrative Officer V & BAC-Chairman National Road, Bgry, Kayhuvokan Basco Batanes Philippines 3900 63-999-9952283 bgh_bso@yahoo.com		

Description

Republic of the Philippines
Department of Health
Regional Health Office - 02
BATANES GENERAL HOSPITAL
Basco, Batanes
E-mail Address: bataneshospital@gmail.com

INVITATION TO BID

ITB NO. 2017-02

Proposed Construction of Diagnostic Building Phase I under Design and Build Scheme

1. The Department of Health, Batanes General Hospital, through the General Appropriations Act CY 2016 (Continuing Appropriation) intends to apply the sum of Seventeen Million Three Hundred Twenty Thousand Philippine Pesos Only (PhP17,320,000.00) being the Approved Budget for the Contract (ABC) to payments under the contract for Proposed Construction of Diagnostic Building Phase I under Design and Build Scheme. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Batanes General Hospital now invites bids for the Proposed Construction of Diagnostic Building Phase I. Completion of the Works is required within Five Hundred Forty Seven (547) calendar days. 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"

4. Interested bidders may obtain further information from Batanes General Hospital and inspect the Bidding Documents at the address given below during Office Hours, 8:00am-5:00pm, Mondays - Fridays.

5. A complete set of Bidding Documents may be acquired by interested bidders on April 10, 2017 from the address 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 Thousand Philippine Pesos Only (PhP20,000.00).

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity at www.batanesgeneralhospital.doh.gov.ph, provided that bidders shall pay the applicable fee for the Bidding Documents not later than the submission of its bids.

6. The Batanes General Hospital will hold a Pre-Bid Conference on April 17, 2017 at 2:00pm at BGH Conference Hall, Basco, Batanes, which shall be open to prospective bidders.

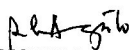
7. Bids must be duly received by the BAC Secretariat at the address below on or before May 2, 2017 at 2:00pm. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 18.

Bid opening shall be on May 2, 2017 at 2:00pm at BGH Conference Hall, Basco, Batanes. Bids will be opened in the presence of the bidders' representatives who choose to attend at the address below. Late bids shall not be accepted.

8. The Batanes General Hospital, Bids and Awards Committee (BGH-BAC) 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 Section 41 of RA 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

9. For further information, please refer to:

BGH-BAC
Administrative Section
National Road, Kayhuvokan
Basco, Batanes
09989828104
bataneshospital@gmail.com
www.batanesgeneralhospital.doh.gov.ph


for RICARDO V. NUÑEZ, MAED
A.O. V/BAC Chairperson

Pre-bid Conference

Date	Time	Venue
17-Apr-2017	2:00:00 PM	BGH Conference Hall Basco, Batanes

Created by Ricardo V Nuñez

Date Created 07-Apr-2017

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PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

Proposed Construction of Diagnostic Bldg. Phase I under Design & Build Scheme

**Government of the Republic of the Philippines
BATANES GENERAL HOSPITAL**

**Fifth Edition
August 2016**

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Section I. Invitation to Bid

Republic of the Philippines
Department of Health
Regional Health Office - 02
BATANES GENERAL HOSPITAL
Basco, Batanes
E-mail Address: bataneshospital@gmail.com

INVITATION TO BID
ITB No. 2017-02

**Proposed Construction of Diagnostic Building Phase I
under Design and Build Scheme**

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- 3.
- 4.
- 5.
- 6.
- 7.
8. Section II. Instructions to Bidders.
9. 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 9184 (RA 9184), otherwise known as the “Government Procurement Reform Act.”

Bidding is restricted to Filipino citizens/sole proprietorships, cooperatives, and partnerships or organizations with at least seventy five percent (75%) interest or outstanding capital stock belonging to citizens of the Philippines.

4. Interested bidders may obtain further information from Batanes General Hospital and inspect the Bidding Documents at the address given below during Office Hours, 8:00am-5:00pm, Mondays - Fridays.
5. A complete set of Bidding Documents may be acquired by interested bidders on April 10, 2017 from the address 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 Thousand Philippine Pesos Only (PhP20,000.00).

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9. For further information, please refer to:

*BGH-BAC
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RICARDO V. NUÑEZ, MAEd
A.O. V/BAC Chairperson

Section II. Instructions to Bidders

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A. General

1. Scope of Bid

- 1.1. The Procuring Entity named in the **BDS**, invites bids for the construction of Works, as described in **Error! Reference source not found.**
- 1.2. The name, identification, and number of lots specific to this bidding are provided in the **BDS**. The contracting strategy and basis of evaluation of lots is described in **ITB** Clause 27.
- 1.3. The successful Bidder will be expected to complete the Works by the intended completion date specified in **SCC** Clause 1.17.

2. Source of Funds

The Procuring Entity has a budget or received funds from the Funding Source named in the **BDS**, and in the amount indicated in the **BDS**. It intends to apply part of the funds received for the Project, as defined in the **BDS**, to cover eligible payments under the Contract for the Works.

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

- 3.1. Unless otherwise specified in the **BDS**, the Procuring Entity, as well as bidders and contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. In pursuance of this policy, the Funding Source:
 - (a) defines, for purposes of this provision, the terms set forth below as follows:
 - (i) "corrupt practice" means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves, others, or induce others to do so, by misusing the position in which they are placed, and includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; entering, on behalf of the Procuring Entity, into any contract or transaction manifestly and grossly disadvantageous to the same, whether or not the public officer profited or will profit thereby, and similar acts as provided in Republic Act 3019;
 - (ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring Entity, and includes collusive practices among Bidders (prior to or after Bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the Procuring Entity of the benefits of free and open competition;

- (iii) “collusive practices” means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Procuring Entity, designed to establish bid prices at artificial, non-competitive levels; and
 - (iv) “coercive practices” means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a contract;
 - (v) “obstructive practice” is
 - (aa) deliberately destroying, falsifying, altering or concealing of evidence material to an administrative proceedings or investigation or making false statements to investigators in order to materially impede an administrative proceedings or investigation of the Procuring Entity or any foreign government/foreign or international financing institution into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the administrative proceedings or investigation or from pursuing such proceedings or investigation; or
 - (bb) acts intended to materially impede the exercise of the inspection and audit rights of the Procuring Entity or any foreign government/foreign or international financing institution herein.
 - (b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the Contract; and
 - (c) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded Contract funded by the Funding Source if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing or, or in executing, a Contract funded by the Funding Source.
- 3.2. Further, the Procuring Entity will seek to impose the maximum civil, administrative, and/or criminal penalties available under the applicable laws on individuals and organizations deemed to be involved in any of the practices mentioned in **ITB** Clause 3.1(a).
- 3.3. Furthermore, the Funding Source and the Procuring Entity reserve the right to inspect and audit records and accounts of a contractor in the bidding for and performance of a contract themselves or through independent auditors as reflected in the **GCC** Clause 34.

4. Conflict of Interest

4.1. All Bidders found to have conflicting interests shall be disqualified to participate in the procurement at hand, without prejudice to the imposition of appropriate administrative, civil, and criminal sanctions. A Bidder may be considered to have conflicting interests with another Bidder in any of the events described in paragraphs (a) through (c) and a general conflict of interest in any of the circumstances set out in paragraphs (d) through (g) below:

- (a) A Bidder has controlling shareholders in common with another Bidder;
- (b) A Bidder receives or has received any direct or indirect subsidy from any other Bidder;
- (c) A Bidder has the same legal representative as that of another Bidder for purposes of this Bid;
- (d) A Bidder has a relationship, directly or through third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder or influence the decisions of the Procuring Entity regarding this bidding process;
- (e) A Bidder submits more than one bid in this bidding process. However, this does not limit the participation of subcontractors in more than one bid;
- (f) A Bidder who participated as a consultant in the preparation of the design or technical specifications of the goods and related services that are the subject of the bid; or
- (g) A Bidder who lends, or temporarily seconds, its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.

4.2. In accordance with Section 47 of the IRR of RA 9184, all Bidding Documents shall be accompanied by a sworn affidavit of the Bidder that it is not related to the Head of the Procuring Entity (HoPE), members of the Bids and Awards Committee (BAC), members of the Technical Working Group (TWG), members of the BAC Secretariat, the head of the Project Management Office (PMO) or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree. On the part of the Bidder, this Clause shall apply to the following persons:

- (a) If the Bidder is an individual or a sole proprietorship, to the Bidder himself;
- (b) If the Bidder is a partnership, to all its officers and members;

- (c) If the Bidder is a corporation, to all its officers, directors, and controlling stockholders;
- (d) If the Bidder is a cooperative, to all its officers, directors, and controlling shareholders or members; and
- (e) If the Bidder is a joint venture (JV), the provisions of items (a), (b), (c) or (d) of this Clause shall correspondingly apply to each of the members of the said JV, as may be appropriate.

Relationship of the nature described above or failure to comply with this Clause will result in the automatic disqualification of a Bidder.

5. Eligible Bidders

5.1. Unless otherwise indicated in the **BDS**, the following persons shall be eligible to participate in this Bidding:

- (a) Duly licensed Filipino citizens/sole proprietorships;
- (b) Partnerships duly organized under the laws of the Philippines and of which at least seventy five percent (75%) of the interest belongs to citizens of the Philippines;
- (c) Corporations duly organized under the laws of the Philippines, and of which at least seventy five percent (75%) of the outstanding capital stock belongs to citizens of the Philippines;
- (d) Cooperatives duly organized under the laws of the Philippines.
- (e) Persons/entities forming themselves into a JV, i.e., a group of two (2) or more persons/entities that intend to be jointly and severally responsible or liable for a particular contract: Provided, however, that, in accordance with Letter of Instructions No. 630, Filipino ownership or interest of the joint venture concerned shall be at least seventy five percent (75%): Provided, further, that joint ventures in which Filipino ownership or interest is less than seventy five percent (75%) may be eligible where the structures to be built require the application of techniques and/or technologies which are not adequately possessed by a person/entity meeting the seventy five percent (75%) Filipino ownership requirement: Provided, finally, that in the latter case, Filipino ownership or interest shall not be less than twenty five percent (25%). For this purpose, Filipino ownership or interest shall be based on the contributions of each of the members of the joint venture as specified in their JVA.

5.2. The Procuring Entity may also invite foreign bidders when provided for under any Treaty or International or Executive Agreement as specified in the **BDS**.

5.3. Government owned or controlled corporations (GOCCs) may be eligible to participate only if they can establish that they (a) are legally and financially

autonomous, (b) operate under commercial law, and (c) are not attached agencies of the Procuring Entity.

- 5.4. (a) 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 Philippine Statistics Authority (PSA) consumer price index. However, 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 the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB.

(b) 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 **BDS**.

For this purpose, contracts similar to the Project shall be those described in the **BDS**.

- 5.5. The Bidder must submit a computation of its Net Financial Contracting Capacity (NFCC), which must be at least equal to the ABC to be bid, calculated as follows:

$$\text{NFCC} = [(\text{Current assets minus current liabilities}) (15)] \text{ minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract for this Project.}$$

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements (AFS) submitted to the BIR.

For purposes of computing the foreign bidders' NFCC, the value of the current assets and current liabilities shall be based on their audited financial statements prepared in accordance with international financial reporting standards.

6. Bidder's Responsibilities

- 6.1. The Bidder or its duly authorized representative shall submit a sworn statement in the form prescribed in Section IX. Bidding Forms as required in **ITB** Clause 12.1(b)(iii).

- 6.2. The Bidder is responsible for the following:

- (a) Having taken steps to carefully examine all of the Bidding Documents;
- (b) Having acknowledged all conditions, local or otherwise, affecting the implementation of the contract;

- (c) Having made an estimate of the facilities available and needed for the contract to be bid, if any;
- (d) Having complied with its responsibility to inquire or secure Supplemental/Bid Bulletin/s as provided under **ITB** Clause 10.4.
- (e) Ensuring that it is not “blacklisted” or barred from bidding by the GoP or any of its agencies, offices, corporations, or LGUs, including foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the GPPB;
- (f) Ensuring that each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- (g) Authorizing the HoPE or its duly authorized representative/s to verify all the documents submitted;
- (h) Ensuring that the signatory is the duly authorized representative of the Bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract, accompanied by the duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary’s Certificate, whichever is applicable;
- (i) Complying with the disclosure provision under Section 47 of RA 9184 and its IRR in relation to other provisions of RA 3019;
- (j) Complying with existing labor laws and standards, in the case of procurement of services. Moreover, bidder undertakes to:
 - (i) Ensure the entitlement of workers to wages, hours of work, safety and health and other prevailing conditions of work as established by national laws, rules and regulations; or collective bargaining agreement; or arbitration award, if and when applicable.

In case there is a finding by the Procuring Entity or the DOLE of underpayment or non-payment of workers’ wage and wage-related benefits, bidder agrees that the performance security or portion of the contract amount shall be withheld in favor of the complaining workers pursuant to appropriate provisions of Republic Act No. 9184 without prejudice to the institution of appropriate actions under the Labor Code, as amended, and other social legislations.

- (ii) Comply with occupational safety and health standards and to correct deficiencies, if any.

In case of imminent danger, injury or death of the worker, bidder undertakes to suspend contract implementation pending clearance to proceed from the DOLE Regional Office and to comply with Work Stoppage Order; and

- (iii) Inform the workers of their conditions of work, labor clauses under the contract specifying wages, hours of work and other benefits under prevailing national laws, rules and regulations; or collective bargaining agreement; or arbitration award, if and when applicable, through posting in two (2) conspicuous places in the establishment's premises; and
- (k) Ensuring that it did not give or pay, directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the;

Failure to observe any of the above responsibilities shall be at the risk of the Bidder concerned.

- 6.3. The Bidder, by the act of submitting its bid, shall be deemed to have inspected the site, determined the general characteristics of the contract works and the conditions for this Project and examine all instructions, forms, terms, and project requirements in the Bidding Documents.
- 6.4. It shall be the sole responsibility of the prospective bidder to determine and to satisfy itself by such means as it considers necessary or desirable as to all matters pertaining to this Project, including: (a) the location and the nature of the contract, project, or 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.
- 6.5. The Procuring Entity shall not assume any responsibility regarding erroneous interpretations or conclusions by the prospective or eligible bidder out of the data furnished by the procuring entity. However, the Procuring Entity shall ensure that all information in the Bidding Documents, including supplemental/bid bulletins issued are correct and consistent.
- 6.6. Before submitting their bids, the Bidders are deemed to have become familiar with all existing laws, decrees, ordinances, acts and regulations of the Philippines which may affect the contract in any way.
- 6.7. The Bidder shall bear all costs associated with the preparation and submission of his bid, and the Procuring Entity will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 6.8. The Bidder should note that the Procuring Entity will accept bids only from those that have paid the applicable fee for the Bidding Documents at the office indicated in the Invitation to Bid.

7. Origin of Goods and Services

There is no restriction on the origin of Goods, or Contracting of Works or Services other than those prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations.

8. Subcontracts

- 8.1. Unless otherwise specified in the **BDS**, the Bidder may subcontract portions of the Works to an extent as may be approved by the Procuring Entity and stated in the **BDS**. However, subcontracting of any portion shall not relieve the Bidder from any liability or obligation that may arise from the contract for this Project.
- 8.2. Subcontractors must submit the documentary requirements under **ITB** Clause 12 and comply with the eligibility criteria specified in the **BDS**. In the event that any subcontractor is found by the Procuring Entity to be ineligible, the subcontracting of such portion of the Works shall be disallowed.
- 8.3. The Bidder may identify the subcontractor to whom a portion of the Works will be subcontracted at any stage of the bidding process or during contract implementation. If the Bidder opts to disclose the name of the subcontractor during bid submission, the Bidder shall include the required documents as part of the technical component of its bid.

B. Contents of Bidding Documents

9. Pre-Bid Conference

- 9.1. (a) If so specified in the **BDS**, a pre-bid conference shall be held at the venue and on the date indicated therein, to clarify and address the Bidders' questions on the technical and financial components of this Project.

(b) The pre-bid conference shall be held at least twelve (12) calendar days before the deadline for the submission of and receipt of bids, but not earlier than seven (7) calendar days from the posting of the Invitation to Bid/Bidding Documents in the PhilGEPS website. If the Procuring Entity determines that, by reason of the method, nature, or complexity of the contract to be bid, or when international participation will be more advantageous to the GoP, a longer period for the preparation of bids is necessary, the pre-bid conference shall be held at least thirty (30) calendar days before the deadline for the submission and receipt of bids, as specified in the **BDS**.
- 9.2. Bidders are encouraged to attend the pre-bid conference to ensure that they fully understand the Procuring Entity's requirements. Non-attendance of the Bidder will in no way prejudice its bid; however, the Bidder is expected to know the changes and/or amendments to the Bidding Documents as recorded in the minutes of the pre-bid conference and the Supplemental/Bid Bulletin. The minutes of the pre-bid conference shall be recorded and prepared not later than five (5) calendar days after the pre-bid conference. The minutes shall be

made available to prospective bidders not later than five (5) days upon written request.

- 9.3. Decisions of the BAC amending any provision of the bidding documents shall be issued in writing through a Supplemental/Bid Bulletin at least seven (7) calendar days before the deadline for the submission and receipt of bids.

10. Clarification and Amendment of Bidding Documents

- 10.1. Prospective bidders may request for clarification(s) on and/or interpretation of any part of the Bidding Documents. Such a request must be in writing and submitted to the Procuring Entity at the address indicated in the **BDS** at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.
- 10.2. The BAC shall respond to the said request by issuing a Supplemental/Bid Bulletin, to be made available to all those who have properly secured the Bidding Documents, at least seven (7) calendar days before the deadline for the submission and receipt of Bids.
- 10.3. Supplemental/Bid Bulletins may also be issued upon the Procuring Entity's initiative for purposes of clarifying or modifying any provision of the Bidding Documents not later than seven (7) calendar days before the deadline for the submission and receipt of Bids. Any modification to the Bidding Documents shall be identified as an amendment.
- 10.4. Any Supplemental/Bid Bulletin issued by the BAC shall also be posted in the PhilGEPS and the website of the Procuring Entity concerned, if available, and at any conspicuous place in the premises of the Procuring Entity concerned. It shall be the responsibility of all Bidders who have properly secured the Bidding Documents to inquire and secure Supplemental/Bid Bulletins that may be issued by the BAC. However, Bidders who have submitted bids before the issuance of the Supplemental/Bid Bulletin must be informed and allowed to modify or withdraw their bids in accordance with **ITB** Clause 23.

C. Preparation of Bids

11. Language of Bids

The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country; and 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. The English translation shall govern, for purposes of interpretation of the bid.

12. Documents Comprising the Bid: Eligibility and Technical Components

12.1. Unless otherwise indicated in the **BDS**, the first envelope shall contain the following eligibility and technical documents:

(a) Eligibility Documents –

Class “A” Documents

- (i) PhilGEPS Certificate of Registration and Membership in accordance with Section 8.5.2 of the IRR, except for foreign bidders participating in the procurement by a Philippine Foreign Service Office or Post, which shall submit their eligibility documents under Section 23.1 of the IRR, provided, that the winning bidder shall register with the PhilGEPS in accordance with Section 37.1.4 of the IRR;
- (ii) Statement of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; and

Statement of the Bidder’s SLCC similar to the contract to be bid, in accordance with ITB Clause 5.4.

The two statements required shall indicate for each contract the following:

- (ii.1) name of the contract;
- (ii.2) date of the contract;
- (ii.3) contract duration;
- (ii.4) owner’s name and address;
- (ii.5) nature of work;
- (ii.6) contractor’s role (whether sole contractor, subcontractor, or partner in a JV) and percentage of participation;
- (ii.7) total contract value at award;
- (ii.8) date of completion or estimated completion time;
- (ii.9) total contract value at completion, if applicable;
- (ii.10) percentages of planned and actual accomplishments, if applicable; and

(ii.11) value of outstanding works, if applicable.

The statement of the Bidder's SLCC shall be supported by the Notice of Award and/or Notice to Proceed, Project Owner's Certificate of Final Acceptance issued by the Owner other than the Contractor or the Constructors Performance Evaluation System (CPES) Final Rating, which must be at least satisfactory. In case of contracts with the private sector, an equivalent document shall be submitted;

- (iii) Unless otherwise provided in the **BDS**, a valid special PCAB License in case of joint ventures, and registration for the type and cost of the contract for this Project; and
- (iv) NFCC computation in accordance with ITB Clause 5.5.

Class "B" Documents

(v) If applicable, Joint Venture Agreement (JVA) in accordance with RA 4566.

(b) Technical Documents –

- (i) Bid security in accordance with **ITB** Clause 18. If the Bidder opts to submit the bid security in the form of:
 - (i.1) a bank draft/guarantee or an irrevocable letter of credit issued by a foreign bank, it shall be accompanied by a confirmation from a Universal or Commercial Bank; or
 - (i.2) a surety bond accompanied by a certification coming from the Insurance Commission that the surety or insurance company is authorized to issue such instruments.
- (ii) Project Requirements, which shall include the following:
 - (ii.1) Organizational chart for the contract to be bid;
 - (ii.2) List of contractor's 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. These personnel must meet the required minimum years of experience set in the **BDS**; and
 - (ii.3) 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, which must meet the minimum requirements for the contract set in the **BDS**; and

- (iii) Sworn statement in accordance with Section 25.3 of the IRR of RA 9184 and using the form prescribed in Section IX. Bidding Forms.

13. Documents Comprising the Bid: Financial Component

13.1. Unless otherwise stated in the **BDS**, the financial component of the bid shall contain the following:

- (a) Financial Bid Form, which includes bid prices and the bill of quantities, in accordance with **ITB** Clauses 15.1 and 15.3; and
- (b) Any other document related to the financial component of the bid as stated in the **BDS**.

13.2. (a) Unless otherwise stated in the **BDS**, all Bids that exceed the ABC shall not be accepted.

- (b) Unless otherwise indicated in the **BDS**, for foreign-funded procurement, a ceiling may be applied to bid prices provided the following conditions are met:

- (i) Bidding Documents are obtainable free of charge on a freely accessible website. If payment of Bidding Documents is required by the procuring entity, payment could be made upon the submission of bids.
- (ii) The procuring entity has procedures in place to ensure that the ABC is based on recent estimates made by the engineer or the responsible unit of the procuring entity and that the estimates are based on adequate detailed engineering (in the case of infrastructure projects) and reflect the quality, supervision and risk and inflationary factors, as well as prevailing market prices, associated with the types of works or goods to be procured.
- (iii) The procuring entity has trained cost estimators on estimating prices and analyzing bid variances. In the case of infrastructure projects, the procuring entity must also have trained quantity surveyors.
- (iv) The procuring entity has established a system to monitor and report bid prices relative to ABC and engineer's/procuring entity's estimate.
- (v) The procuring entity has established a monitoring and evaluation system for contract implementation to provide a feedback on actual total costs of goods and works.

14. Alternative Bids

- 14.1. Alternative Bids shall be rejected. For this purpose, alternative bid is an offer made by a Bidder in addition or as a substitute to its original bid which may be included as part of its original bid or submitted separately therewith for purposes of bidding. A bid with options is considered an alternative bid regardless of whether said bid proposal is contained in a single envelope or submitted in two (2) or more separate bid envelopes.
- 14.2. 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.
- 14.3. Each Bidder shall submit only one Bid, either individually or as a partner in a JV. A Bidder who submits or participates in more than one bid (other than as a subcontractor if a subcontractor is permitted to participate in more than one bid) will cause all the proposals with the Bidder's participation to be disqualified. This shall be without prejudice to any applicable criminal, civil and administrative penalties that may be imposed upon the persons and entities concerned.

15. Bid Prices

- 15.1. The contract shall be for the whole Works, as described in **ITB** Clause 1.1, based on the priced Bill of Quantities submitted by the Bidder.
- 15.2. The Bidder shall fill in rates and prices for all items of the Works described in the Bill of Quantities. Bids not addressing or providing all of the required items in the Bidding Documents including, where applicable, Bill of Quantities, shall be considered non-responsive and, thus, automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a zero (0) or a dash (-) for the said item would mean that it is being offered for free to the Government, except those required by law or regulations to be provided for.
- 15.3. All duties, taxes, and other levies payable by the Contractor under the Contract, or for any other cause, prior to the deadline for submission of bids, shall be included in the rates, prices, and total bid price submitted by the Bidder.
- 15.4. All bid prices for the given scope of work in the contract as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as specified in GCC Clause 48. Upon the recommendation of the Procuring Entity, price escalation may be allowed in extraordinary circumstances as may be determined by the National Economic and Development Authority in accordance with the Civil Code of the Philippines, and upon approval by the GPPB. Furthermore, in cases where the cost of the awarded contract is affected by any applicable new laws, ordinances, regulations, or other acts of

the GoP, promulgated after the date of bid opening, a contract price adjustment shall be made or appropriate relief shall be applied on a no loss-no gain basis.

16. Bid Currencies

- 16.1. All bid prices shall be quoted in Philippine Pesos unless otherwise provided in the **BDS**. However, for purposes of bid evaluation, bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate prevailing on the day of the Bid Opening.
- 16.2. If so allowed in accordance with **ITB** Clause 16.1, the Procuring Entity for purposes of bid evaluation and comparing the bid prices will convert the amounts in various currencies in which the bid price is expressed to Philippine Pesos at the exchange rate as published in the *Bangko Sentral ng Pilipinas* (BSP) reference rate bulletin on the day of the bid opening.
- 16.3. Unless otherwise specified in the **BDS**, payment of the contract price shall be made in Philippine Pesos.

17. Bid Validity

- 17.1. Bids shall remain valid for the period specified in the **BDS** which shall not exceed one hundred twenty (120) calendar days from the date of the opening of bids.
- 17.2. In exceptional circumstances, prior to the expiration of the bid validity period, the Procuring Entity may request Bidders to extend the period of validity of their bids. The request and the responses shall be made in writing. The bid security described in **ITB** Clause 18 should also be extended corresponding to the extension of the bid validity period at the least. A Bidder may refuse the request without forfeiting its bid security, but his bid shall no longer be considered for further evaluation and award. A Bidder granting the request shall not be required or permitted to modify its bid.

18. Bid Security

- 18.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in an amount stated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Not less than the Percentage of the ABC)
(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank. <i>For biddings conducted by LGUs, the cashier's/manager's check may be issued by other</i>	Two percent (2%)

<i>banks certified by the BSP as authorized to issue such financial instrument.</i>	
<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><i>For biddings conducted by LGUs, the Bank Draft/Guarantee, or irrevocable letter of credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i></p>	
<p>(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security; and/or</p>	Five percent (5%)

The Bid Securing Declaration mentioned above is an undertaking which states, among others, that the Bidder shall enter into contract with the procuring entity and furnish the performance security required under ITB Clause 32.2, within ten (10) calendar days from receipt of the Notice of Award, and commits to pay the corresponding amount as fine, and be suspended for a period of time from being qualified to participate in any government procurement activity in the event it violates any of the conditions stated therein as provided in the guidelines issued by the GPPB.

- 18.2. The bid security should be valid for the period specified in the **BDS**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.
- 18.3. No bid securities shall be returned to Bidders after the opening of bids and before contract signing, except to those that failed or declared as post-disqualified, upon submission of a written waiver of their right to file a request for reconsideration and/or protest, or lapse of the reglementary period without having filed a request for reconsideration or protest. Without prejudice on its forfeiture, Bid Securities shall be returned only after the Bidder with the Lowest Calculated Responsive Bid (LCRB) has signed the contract and furnished the Performance Security, but in no case later than the expiration of the Bid Security validity period indicated in **ITB** Clause 18.2.

18.4. Upon signing and execution of the contract, pursuant to **ITB** Clause 31, and the posting of the performance security, pursuant to **ITB** Clause 32, the successful Bidder's Bid Security will be discharged, but in no case later than the Bid Security validity period as indicated in **ITB** Clause 18.2.

18.5. The bid security may be forfeited:

(a) if a Bidder:

- (i) withdraws its bid during the period of bid validity specified in **ITB** Clause 17;
- (ii) does not accept the correction of errors pursuant to **ITB** Clause 27.3(b);
- (iii) has a finding against the veracity of the required documents submitted in accordance with **ITB** Clause 28.2;
- (iv) submission of eligibility requirements containing false information or falsified documents;
- (v) submission of bids that contain false information or falsified documents, or the concealment of such information in the bids in order to influence the outcome of eligibility screening or any other stage of the public bidding;
- (vi) allowing the use of one's name, or using the name of another for purposes of public bidding;
- (vii) withdrawal of a bid, or refusal to accept an award, or enter into contract with the Government without justifiable cause, after the Bidder had been adjudged as having submitted the LCRB;
- (viii) refusal or failure to post the required performance security within the prescribed time;
- (ix) refusal to clarify or validate in writing its bid during post-qualification within a period of seven (7) calendar days from receipt of the request for clarification;
- (x) any documented attempt by a Bidder to unduly influence the outcome of the bidding in his favor;
- (xi) failure of the potential joint venture partners to enter into the joint venture after the bid is declared successful; or
- (xii) all other acts that tend to defeat the purpose of the competitive bidding, such as habitually withdrawing from bidding, submitting late Bids or patently insufficient bid, for at least three (3) times within a year, except for valid reasons.

(b) if the successful Bidder:

- (i) fails to sign the contract in accordance with **ITB** Clause 31;
- (ii) fails to furnish performance security in accordance with **ITB** Clause 32.

19. Format and Signing of Bids

- 19.1 Bidders shall submit their bids through their duly authorized representative using the appropriate forms provided in Section IX. Bidding Forms on or before the deadline specified in the **ITB** Clause 21 in two (2) separate sealed bid envelopes, and which shall be submitted simultaneously. The first shall contain the technical component of the bid, including the eligibility requirements under **ITB** Clause 12.1, and the second shall contain the financial component of the bid. This shall also be observed for each lot in the case of lot procurement.
- 19.2 Forms as mentioned in **ITB** Clause 19.1 must be completed without any alterations to their format, and no substitute form shall be accepted. All blank spaces shall be filled in with the information requested.
- 19.3 The Bidder shall prepare and submit an original of the first and second envelopes as described in **ITB** Clauses 12 and 13. In addition, the Bidder shall submit copies of the first and second envelopes. In the event of any discrepancy between the original and the copies, the original shall prevail.
- 19.4 Each and every page of the Bid Form, including the Bill of Quantities, under Section IX hereof, shall be signed by the duly authorized representative/s of the Bidder. Failure to do so shall be a ground for the rejection of the bid.
- 19.5 Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the Bidder.

20. Sealing and Marking of Bids

- 20.1. Bidders shall enclose their original eligibility and technical documents described in **ITB** Clause 12, in one sealed envelope marked “ORIGINAL - TECHNICAL COMPONENT,” and the original of their financial component in another sealed envelope marked “ORIGINAL - FINANCIAL COMPONENT,” sealing them all in an outer envelope marked “ORIGINAL BID.”
- 20.2. Each copy of the first and second envelopes shall be similarly sealed duly marking the inner envelopes as “COPY NO. ____ - TECHNICAL COMPONENT” and “COPY NO. ____ – FINANCIAL COMPONENT” and the outer envelope as “COPY NO. ____,” respectively. These envelopes containing the original and the copies shall then be enclosed in one single envelope.
- 20.3. The original and the number of copies of the bid as indicated in the **BDS** shall be typed or written in ink and shall be signed by the Bidder or its duly authorized representative/s.

20.4. 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 Procuring Entity's BAC in accordance with **ITB** Clause 20.1;
- (d) bear the specific identification of this bidding process indicated in the **ITB** Clause 1.2; and
- (e) bear a warning "DO NOT OPEN BEFORE..." the date and time for the opening of bids, in accordance with **ITB** Clause 21.

20.5. Bid envelopes that are not properly sealed and marked, as required in the bidding documents, shall not be rejected, but the Bidder or its duly authorized representative shall acknowledge such condition of the bid as submitted. The BAC or the Procuring Entity shall assume no responsibility for the misplacement of the contents of the improperly sealed or marked bid, or for its premature opening.

D. Submission and Opening of Bids

21. Deadline for Submission of Bids

Bids must be received by the Procuring Entity's BAC at the address and on or before the date and time indicated in the **BDS**.

22. Late Bids

Any bid submitted after the deadline for submission and receipt of bids prescribed by the Procuring Entity, pursuant to **ITB** Clause 21, shall be declared "Late" and shall not be accepted by the Procuring Entity. The BAC shall record in the minutes of Bid Submission and Opening, the Bidder's name, its representative and the time the late bid was submitted.

23. Modification and Withdrawal of Bids

23.1. The Bidder may modify its bid after it has been submitted; provided that the modification is received by the Procuring Entity prior to the deadline prescribed for submission and receipt of bids. The Bidder shall not be allowed to retrieve its original bid, but shall be allowed to submit another bid equally sealed and properly identified in accordance with Clause 20, linked to its original bid marked as "TECHNICAL MODIFICATION" or "FINANCIAL MODIFICATION" and stamped "received" by the BAC. Bid modifications received after the applicable deadline shall not be considered and shall be returned to the Bidder unopened.

23.2. A Bidder may, through a Letter of Withdrawal, withdraw its bid after it has been submitted, for valid and justifiable reason; provided that the Letter of

Withdrawal is received by the Procuring Entity prior to the deadline prescribed for submission and receipt of bids. The Letter of Withdrawal must be executed by the authorized representative of the Bidder identified in the Omnibus Sworn Statement, a copy of which should be attached to the letter.

- 23.3. Bids requested to be withdrawn in accordance with **ITB** Clause 23.1 shall be returned unopened to the Bidders. A Bidder, who has acquired the bidding documents may also express its intention not to participate in the bidding through a letter which should reach and be stamped by the BAC before the deadline for submission and receipt of bids. A Bidder that withdraws its bid shall not be permitted to submit another bid, directly or indirectly, for the same contract.
- 23.4. No bid may be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Financial Bid Form. Withdrawal of a bid during this interval shall result in the forfeiture of the Bidder's bid security, pursuant to **ITB** Clause 18.5, and the imposition of administrative, civil, and criminal sanctions as prescribed by RA 9184 and its IRR.

24. Opening and Preliminary Examination of Bids

- 24.1. The BAC shall open the Bids in public, immediately after the deadline for the submission and receipt of bids in public, as specified in the **BDS**. In case the Bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the Bids submitted and reschedule the opening of Bids on the next working day or at the soonest possible time through the issuance of a Notice of Postponement to be posted in the PhilGEPS website and the website of the Procuring Entity concerned.
- 24.2. Unless otherwise specified in the BDS, the BAC shall open the first bid envelopes and determine each Bidder's compliance with the documents prescribed in ITB Clause 12, using a non-discretionary "pass/fail" criterion. If a Bidder submits the required document, it shall be rated "passed" for that particular requirement. In this regard, bids that fail to include any requirement or are incomplete or patently insufficient shall be considered as "failed". Otherwise, the BAC shall rate the said first bid envelope as "passed".
- 24.3. Unless otherwise specified in the **BDS**, immediately after determining compliance with the requirements in the first envelope, the BAC shall forthwith open the second bid envelope of each remaining eligible Bidder whose first bid envelope was rated "passed." The second envelope of each complying Bidder shall be opened within the same day. In case one or more of the requirements in the second envelope of a particular bid is missing, incomplete or patently insufficient, and/or if the submitted total bid price exceeds the ABC unless otherwise provided in **ITB** Clause 13.2, the BAC shall rate the bid concerned as "failed." Only bids that are determined to contain all the bid requirements for both components shall be rated "passed" and shall immediately be considered for evaluation and comparison.

- 24.4. Letters of Withdrawal shall be read out and recorded during bid opening, and the envelope containing the corresponding withdrawn bid shall be returned to the Bidder unopened.
- 24.5. All members of the BAC who are present during bid opening shall initial every page of the original copies of all bids received and opened.
- 24.6. In the case of an eligible foreign bidder as described in **ITB** Clause 5, the following Class “A” Documents may be substituted with the appropriate equivalent documents, if any, issued by the country of the foreign bidder concerned, which shall likewise be uploaded and maintained in the PhilGEPS in accordance with Section 8.5.2 of the IRR.:
- a) Registration certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives;
 - b) Mayor’s/Business permit issued by the local government where the principal place of business of the Bidder is located; and
 - c) Audited Financial Statements showing, among others, the prospective Bidder’s total and current assets and liabilities stamped “received” by the Bureau of Internal Revenue or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two years from the date of bid submission.
- 24.7. Each partner of a joint venture agreement shall likewise submit the document required in **ITB** Clause 12.1(a)(i). Submission of documents required under **ITB** Clauses 12.1(a)(ii) to 12.1(a)(iv) by any of the joint venture partners constitutes compliance.
- 24.8. The Procuring Entity shall prepare the minutes of the proceedings of the bid opening that shall include, as a minimum: (a) names of Bidders, their bid price (per lot, if applicable, and/or including discount, if any), bid security, findings of preliminary examination, and whether there is a withdrawal or modification; and (b) attendance sheet. The BAC members shall sign the abstract of bids as read.
- 24.8. The Bidders or their duly authorized representatives may attend the opening of bids. The BAC shall ensure the integrity, security, and confidentiality of all submitted bids. The Abstract of Bids as read and the minutes of the Bid Opening shall be made available to the public upon written request and payment of a specified fee to recover cost of materials.
- 24.9 To ensure transparency and accurate representation of the bid submission, the BAC Secretariat shall notify in writing all Bidders whose bids it has received through its PhilGEPS-registered physical address or official e-mail address. The notice shall be issued within seven (7) calendar days from the date of the bid opening.

E. Evaluation and Comparison of Bids

25. Process to be Confidential

- 25.1. Members of the BAC, including its staff and personnel, as well as its Secretariat and TWG, are prohibited from making or accepting any kind of communication with any Bidder regarding the evaluation of their bids until the issuance of the Notice of Award, unless otherwise allowed in the case of **ITB** Clause 26.
- 25.2. Any effort by a Bidder to influence the Procuring Entity in the Procuring Entity's decision in respect of bid evaluation, bid comparison or contract award will result in the rejection of the Bidder's bid.

26. Clarification of Bids

To assist in the evaluation, comparison and post-qualification of the bids, the Procuring Entity may ask in writing any Bidder for a clarification of its bid. All responses to requests for clarification shall be in writing. Any clarification submitted by a Bidder in respect to its bid and that is not in response to a request by the Procuring Entity shall not be considered

27. Detailed Evaluation and Comparison of Bids

- 27.1. The Procuring Entity will undertake the detailed evaluation and comparison of Bids which have passed the opening and preliminary examination of Bids, pursuant to **ITB** Clause 24, in order to determine the Lowest Calculated Bid.
- 27.2. The Lowest Calculated Bid shall be determined in two steps:
 - (a) The detailed evaluation of the financial component of the bids, to establish the correct calculated prices of the bids; and
 - (b) The ranking of the total bid prices as so calculated from the lowest to highest. The bid with the lowest price shall be identified as the Lowest Calculated Bid.
- 27.3. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all bids rated "passed," using non-discretionary "pass/fail" criterion. The BAC shall consider the following in the evaluation of bids:
 - (a) Completeness of the bid. Unless the **BDS** allows partial bids, bids not addressing or providing all of the required items in the Schedule of Requirements including, where applicable, bill of quantities, shall be considered non-responsive and, thus, automatically disqualified. In this regard, where a required item is provided, but no price is indicated, the same shall be considered as non-responsive, but specifying a zero (0) or a dash (-) for the said item would mean that it is being offered for free to the Procuring Entity, except those required by law or regulations to be provided for; and

- (b) Arithmetical corrections. Consider computational errors and omissions to enable proper comparison of all eligible bids. It may also consider bid modifications. Any adjustment shall be calculated in monetary terms to determine the calculated prices.
- 27.4. Based on the detailed evaluation of bids, those that comply with the above-mentioned requirements shall be ranked in the ascending order of their total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications, to identify the Lowest Calculated Bid. Total calculated bid prices, as evaluated and corrected for computational errors, discounts and other modifications, which exceed the ABC shall not be considered, unless otherwise indicated in the **BDS**.
- 27.5. The Procuring Entity's evaluation of bids shall be based on the bid price quoted in the Bid Form, which includes the Bill of Quantities.
- 27.6. Bids shall be evaluated on an equal footing to ensure fair competition. For this purpose, all Bidders shall be required to include in their bids the cost of all taxes, such as, but not limited to, value added tax (VAT), income tax, local taxes, and other fiscal levies and duties which shall be itemized in the bid form and reflected in the detailed estimates. Such bids, including said taxes, shall be the basis for bid evaluation and comparison.
- 27.7. If so indicated pursuant to **ITB** Clause 1.2. Bids are being invited for individual lots or for any combination thereof, provided that all Bids and combinations of Bids 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 prices quoted shall correspond to all of the requirements specified for each lot. Bid Security as required by **ITB** Clause 18 shall be submitted for each contract (lot) separately. The basis for evaluation of lots is specified in **BDS** Clause 27.3.

28. Post Qualification

- 28.1. The BAC shall determine to its satisfaction whether the Bidder that is evaluated as having submitted the Lowest Calculated Bid complies with and is responsive to all the requirements and conditions specified in **ITB** Clauses 5, 12, and 13.
- 28.2. 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**.

Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the Bidder for award. Provided in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the bid security in accordance with Section 69 of the IRR of RA 9184.

- 28.3. The determination shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted pursuant to **ITB** Clauses 12 and 13, as well as other information as the Procuring Entity deems necessary and appropriate, using a non-discretionary "pass/fail" criterion, which shall be completed within a period of twelve (12) calendar days.
- 28.4. If the BAC determines that the Bidder with the Lowest Calculated Bid passes all the criteria for post-qualification, it shall declare the said bid as the LCRB, and recommend to the HoPE the award of contract to the said Bidder at its submitted price or its calculated bid price, whichever is lower, subject to **ITB** Clause 30.3.
- 28.5. A negative determination shall result in rejection of the Bidder's bid, in which event the Procuring Entity shall proceed to the next Lowest Calculated Bid, with a fresh period to make a similar determination of that Bidder's capabilities to perform satisfactorily. If the second Bidder, however, fails the post qualification, the procedure for post qualification shall be repeated for the Bidder with the next Lowest Calculated Bid, and so on until the LCRB is determined for recommendation of contract award.
- 28.6. Within a period not exceeding fifteen (15) calendar days from the determination by the BAC of the LCRB and the recommendation to award the contract, the HoPE or his duly authorized representative shall approve or disapprove the said recommendation.
- 28.7. In the event of disapproval, which shall be based on valid, reasonable, and justifiable grounds as provided for under Section 41 of the IRR of RA 9184, the HoPE shall notify the BAC and the Bidder in writing of such decision and the grounds for it. When applicable, the BAC shall conduct a post-qualification of the Bidder with the next Lowest Calculated Bid. A request for reconsideration may be filed by the Bidder with the HoPE in accordance with Section 37.1.3 of the IRR of RA 9184.

29. Reservation Clause

- 29.1. Notwithstanding the eligibility or post-qualification of a Bidder, the Procuring Entity concerned reserves the right to review its qualifications at any stage of the procurement process if it has reasonable grounds to believe that a misrepresentation has been made by the said Bidder, or that there has been a change in the Bidder's capability to undertake the project from the time it submitted its eligibility requirements. Should such review uncover any misrepresentation made in the eligibility and bidding requirements, statements or documents, or any changes in the situation of the Bidder which will affect its capability to undertake the project so that it fails the preset eligibility or bid evaluation criteria, the Procuring Entity shall consider the said Bidder as ineligible and shall disqualify it from submitting a bid or from obtaining an award or contract.
- 29.2. Based on the following grounds, the Procuring Entity reserves the right to reject any and all Bids, declare a Failure of Bidding at any time prior to the contract award, or not to award the contract, without thereby incurring any

liability, and make no assurance that a contract shall be entered into as a result of the bidding:

- (a) If there is *prima facie* evidence of collusion between appropriate public officers or employees of the Procuring Entity, or between the BAC and any of the Bidders, or if the collusion is between or among the Bidders themselves, or between a Bidder and a third party, including any act which restricts, suppresses or nullifies or tends to restrict, suppress or nullify competition;
- (b) If the Procuring Entity's BAC is found to have failed in following the prescribed bidding procedures; or
- (c) For any justifiable and reasonable ground where the award of the contract will not redound to the benefit of the GOP as follows:
 - (i) If the physical and economic conditions have significantly changed so as to render the project no longer economically, financially or technically feasible as determined by the HoPE;
 - (ii) If the project is no longer necessary as determined by the HoPE; and
 - (iii) If the source of funds for the project has been withheld or reduced through no fault of the Procuring Entity.

29.3. In addition, the Procuring Entity may likewise declare a failure of bidding when:

- (a) No bids are received;
- (b) All prospective Bidders are declared ineligible;
- (c) All bids fail to comply with all the bid requirements, fail post-qualification; or
- (d) The Bidder with the LCRB refuses, without justifiable cause, to accept the award of contract, and no award is made in accordance with Section 40 of the IRR of RA 9184.

F. Award of Contract

30. Contract Award

- 30.1. Subject to **ITB** Clause 28, the HoPE or its duly authorized representative shall award the contract to the Bidder whose bid has been determined to be the LCRB.
- 30.2. Prior to the expiration of the period of bid validity, the Procuring Entity shall notify the successful Bidder in writing that its bid has been accepted, through a Notice of Award duly received by the Bidder or its representative personally or by registered mail or electronically, receipt of which must be confirmed in

writing within two (2) days by the Bidder with the LCRB and submitted personally or sent by registered mail or electronically to the Procuring Entity.

30.3. Notwithstanding the issuance of the Notice of Award, award of contract shall be subject to the following conditions:

- (a) Submission of the following documents within ten (10) calendar days from receipt of the Notice of Award:
 - (i) In the case of procurement by a Philippine Foreign Service Office or Post, the PhilGEPS Registration Number of the winning foreign Bidder; or
 - (ii) Valid PCAB license and registration for the type and cost of the contract to be bid for foreign bidders when the Treaty or International or Executive Agreement expressly allows submission of the PCAB license and registration for the type and cost of the contract to be bid as a pre-condition to the Award;
- (b) Posting of the performance security in accordance with **ITB** Clause 32;
- (c) Signing of the contract as provided in **ITB** Clause 31; and
- (d) Approval by higher authority, if required, as provided in Section 37.3 of the IRR of RA 9184.

31. Signing of the Contract

31.1. At the same time as the Procuring Entity notifies the successful Bidder that its bid has been accepted, the Procuring Entity shall send the Contract Form to the Bidder, which Contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.

31.2. Within ten (10) calendar days from receipt of the Notice of Award, the successful Bidder shall post the required performance security, sign and date the contract and return it to the Procuring Entity.

31.3. The Procuring Entity shall enter into contract with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.

31.4. The following documents shall form part of the contract:

- (a) Contract Agreement;
- (b) Bidding Documents;
- (c) Winning Bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including

corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;

- (d) Performance Security;
- (e) Notice of Award of Contract; and
- (f) Other contract documents that may be required by existing laws and/or specified in the **BDS**.

32. Performance Security

- 32.1. To guarantee the faithful performance by the winning Bidder of its obligations under the contract, it shall post a performance security within a maximum period of ten (10) calendar days from the receipt of the Notice of Award from the Procuring Entity and in no case later than the signing of the contract.
- 32.2. The Performance Security shall be denominated in Philippine Pesos and posted in favor of the Procuring Entity in an amount not less than the percentage of the total contract price in accordance with the following schedule:

Form of Performance Security	Amount of Performance Security (Not less than the Percentage of the Total Contract Price)
<p>(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.</p> <p><i>For biddings conducted by the LGUs, the Cashier's/Manager's Check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i></p>	Ten percent (10%)
<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><i>For biddings conducted by the LGUs, Bank Draft/Guarantee, or Irrevocable Letter of Credit may be issued by other banks certified by the BSP as authorized to issue such</i></p>	

<i>financial instrument.</i>	
(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Thirty percent (30%)

32.3. Failure of the successful Bidder to comply with the above-mentioned requirement shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security, in which event the Procuring Entity shall have a fresh period to initiate and complete the post qualification of the second Lowest Calculated Bid. The procedure shall be repeated until LCRB is identified and selected for recommendation of contract award. However if no Bidder passed post-qualification, the BAC shall declare the bidding a failure and conduct a re-bidding with re-advertisement, if necessary.

33. Notice to Proceed

Within seven (7) calendar days from the date of approval of the Contract by the appropriate government approving authority, the Procuring Entity shall issue the Notice to Proceed (NTP) together with a copy or copies of the approved contract to the successful Bidder. All notices called for by the terms of the contract shall be effective only at the time of receipt thereof by the successful Bidder.

34. Protest Mechanism

Decision of the procuring entity at any stage of the procurement process may be questioned in accordance with Sections 55 of the IRR of RA 9184.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
1.1	<p>The Procuring Entity is <i>Batanes General Hospital</i>.</p> <p>The name of the Contract is <i>Proposed Construction of Diagnostic Building Phase I under Design and Build Scheme</i>.</p> <p>The identification number of the Contract is <i>ITB 2017-02</i>.</p>
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GoP) through <i>General Appropriations Act CY 2016 (Continuing Appropriations)</i> in the amount of <i>Seventeen Million Three Hundred Twenty Thousand Philippine Pesos Only (PhP17,320,000.00)</i>.</p> <p>NOTE: <i>In the case of National Government Agencies, the General Appropriations Act and/or continuing appropriations; in the case of Government-Owned and/or –Controlled Corporations, Government Financial Institutions, and State Universities and Colleges, the Corporate Budget for the contract approved by the governing Boards; in the case of Local Government Units, the Budget for the contract approved by the respective Sanggunian.</i></p> <p>The name of the Project is <i>Proposed Construction of Diagnostic Building Phase I under Design and Build Scheme</i></p>
3.1	No further instructions.
5.1	No further instructions.
5.2	Bidding is restricted to eligible bidders as defined in ITB Clause 5.1.
5.4(a)	No further instructions.
5.4(b)	For this purpose, similar contracts shall refer to contracts which have the same major categories of work. <i>Construction of Diagnostic Building</i> .
8.1	Subcontracting is not allowed.
8.2	Not applicable.
9.1	The Procuring Entity will hold a pre-bid conference for this Project on <i>April 17, 2017 at 2:00pm</i> in the BGH Conference Hall and through video-conferencing/webcasting via <i>Teamviewer</i> .

10.1	<p>The Procuring Entity's address is:</p> <p>Batanes General Hospital, National Road, Kayhuvokan, Basco, Batanes</p> <p>Ricardo V. Nuñez, BAC Chairperson</p> <p>09989828104</p> <p>bataneshospital@gmail.com</p>
10.4	No further instructions.
12.1	No further instructions.
12.1(a)(iii)	No further instructions.
12.1(b)(ii.2)	<p>The minimum work experience requirements for key personnel are the following:</p> <p><u>Key Personnel</u></p> <ul style="list-style-type: none"> • Project manager <ul style="list-style-type: none"> ▪ <u>General Experience</u>: At least 5 years experience in overall project management ▪ <u>Relevant Experience</u>: Superb oral and written communication skills, organization skills and excellent administrative abilities • Licensed Architect <ul style="list-style-type: none"> ▪ <u>General Experience</u>: Preferably at least 5 years experience in hospital and hospital-related projects (Blood Centers, Specialty Clinics, RHU and BHS. ▪ <u>Relevant Experience</u>: Proficient in AutoCAD and other Softwares • Licensed Civil/Structural engineer <ul style="list-style-type: none"> ▪ <u>General Experience</u>: Preferably at least 5 years experience in hospital blood centers, specialty clinics and hospital-related projects ▪ <u>Relevant Experience</u>: Proficient in AutoCAD, STAAD/ETABS Softwares • Licensed Electrical Engineer <ul style="list-style-type: none"> ▪ <u>General Experience</u>: Preferably at least 5 years experience in hospital and hospital-related projects ▪ <u>Relevant Experience</u>: Proficient in AutoCAD Software • Licensed Sanitary Engineer <ul style="list-style-type: none"> ▪ <u>General Experience</u>: Preferably at least 5 years experience in hospital and hospital-related projects

	<ul style="list-style-type: none">▪ <u>Relevant Experience:</u> Proficient in AutoCAD, EPANET, LOOP Softwares• Draftsman / Autocad operator<ul style="list-style-type: none">▪ <u>Relevant Experience:</u> Proficient in AutoCAD and SKETCH softwares																					
12.1(b)(ii.3)	<p>The minimum major equipment requirements are the following:</p> <table><thead><tr><th><u>Equipment</u></th><th><u>Capacity</u></th><th><u>Number of Units</u></th></tr></thead><tbody><tr><td>• Cargo Truck</td><td>4 cu. M. Capacity</td><td>1 Unit</td></tr><tr><td>• Electric Jack Hammer</td><td>22.0 lbs/sq. in. Capacity</td><td>1 Unit</td></tr><tr><td>• Concrete Vibrator</td><td></td><td>1 Unit</td></tr><tr><td>• Service Lift</td><td></td><td>1 Unit</td></tr><tr><td>• Concrete Mixer</td><td></td><td>1 Unit</td></tr><tr><td>• Welding Machine</td><td></td><td>1 Unit</td></tr></tbody></table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	• Cargo Truck	4 cu. M. Capacity	1 Unit	• Electric Jack Hammer	22.0 lbs/sq. in. Capacity	1 Unit	• Concrete Vibrator		1 Unit	• Service Lift		1 Unit	• Concrete Mixer		1 Unit	• Welding Machine		1 Unit
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• Welding Machine		1 Unit																				
13.1	No additional Requirements																					
13.1(b)	<p>This shall include all of the following documents:</p> <ol style="list-style-type: none">1) Bid prices in the Bill of Quantities;2) Detailed estimates, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; and3) Cash flow by quarter or payment schedule.																					
13.2	The ABC is <i>Seventeen Million Three Hundred Twenty Thousand Pesos Only (PhP17,320,000.00)</i> . Any bid with a financial component exceeding this amount shall not be accepted.																					
14.2	No further instructions.																					
15.4	No further instruction.																					
16.1	The bid prices shall be quoted in Philippine Pesos.																					
16.3	No further instructions.																					
17.1	Bids will be valid until One Hundred Twenty (120) days from the submission and opening of bids.																					

18.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <ol style="list-style-type: none"> 1. The amount of not less than PhP346,400.00 (2% of ABC), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; 2. The amount of not less than PhP866,000.00 (5% of ABC) if bid security is in Surety Bond.
18.2	The bid security shall be valid until one hundred twenty (120) calendar days from opening of bids.
20.3	Each Bidder shall submit one (1) original and two (2) copies of the first and second components of its bid.
21	<p>The address for submission of bids is</p> <p>Batanes General Hospital National Road, Kayhuvokan, Basco, Batanes 3900 Philippines</p> <p>The deadline for submission of bids is May 2, 2017 at 2:00pm.</p>
24.1	<p>The place of bid opening is BGH Conference Hall.</p> <p>The date and time of bid opening is May 2, 2017 at 2:00pm.</p>
24.2	No further instructions.
24.3	No further instructions.
27.3	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.
27.4	No further instructions.
28.2	<i>None</i>
31.4(f)	Construction schedule , S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the Department of Labor and Employment, and PERT/CPM.

Section IV. General Conditions of Contract

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1. Definitions

For purposes of this Clause, boldface type is used to identify defined terms.

- 1.1. The **Arbiter** is the person appointed jointly by the Procuring Entity and the Contractor to resolve disputes in the first instance, as provided for in **GCC Clause 21**.
- 1.2. **Bill of Quantities** refers to a list of the specific items of the Work and their corresponding unit prices, lump sums, and/or provisional sums.
- 1.3. The **Completion Date** is the date of completion of the Works as certified by the Procuring Entity's Representative, in accordance with **GCC Clause 49**.
- 1.4. The **Contract** is the contract between the Procuring Entity and the Contractor to execute, complete, and maintain the Works.
- 1.5. The **Contract Effectivity Date** is the date of signing of the Contract. However, the contractor shall commence execution of the Works on the Start Date as defined in **GCC Clause 1.28**.
- 1.6. The **Contract Price** is the price stated in the Notice of Award and thereafter to be paid by the Procuring Entity to the Contractor for the execution of the Works in accordance with this Contract
- 1.7. **Contract Time Extension** is the allowable period for the Contractor to complete the Works in addition to the original Completion Date stated in this Contract.
- 1.8. The **Contractor** is the juridical entity whose proposal has been accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded.
- 1.9. The **Contractor's Bid** is the signed offer or proposal submitted by the Contractor to the Procuring Entity in response to the Bidding Documents.
- 1.10. **Days** are calendar days; months are calendar months.
- 1.11. **Dayworks** are varied work inputs subject to payment on a time basis for the Contractor's employees and Equipment, in addition to payments for associated Materials and Plant.
- 1.12. A **Defect** is any part of the Works not completed in accordance with the Contract.
- 1.13. The **Defects Liability Certificate** is the certificate issued by Procuring Entity's Representative upon correction of defects by the Contractor.
- 1.14. The **Defects Liability Period** is the one year period between contract completion and final acceptance within which the Contractor assumes the responsibility to undertake the repair of any damage to the Works at his own expense.

- 1.15 **Drawings** are graphical presentations of the Works. They include all supplementary details, shop drawings, calculations, and other information provided or approved for the execution of this Contract.
- 1.16 **Equipment** refers to all facilities, supplies, appliances, materials or things required for the execution and completion of the Work provided by the Contractor and which shall not form or are not intended to form part of the Permanent Works.
- 1.17 The **Intended Completion Date** refers to the date specified in the SCC when the Contractor is expected to have completed the Works. The Intended Completion Date may be revised only by the Procuring Entity's Representative by issuing an extension of time or an acceleration order.
- 1.18 **Materials** are all supplies, including consumables, used by the Contractor for incorporation in the Works.
- 1.19 The **Notice to Proceed** is a written notice issued by the Procuring Entity or the Procuring Entity's Representative to the Contractor requiring the latter to begin the commencement of the work not later than a specified or determinable date.
- 1.20 **Permanent Works** are all permanent structures and all other project features and facilities required to be constructed and completed in accordance with this Contract which shall be delivered to the Procuring Entity and which shall remain at the Site after the removal of all Temporary Works.
- 1.21 **Plant** refers to the machinery, apparatus, and the like intended to form an integral part of the Permanent Works.
- 1.22 The **Procuring Entity** is the party who employs the Contractor to carry out the Works stated in the SCC.
- 1.23 The **Procuring Entity's Representative** refers to the Head of the Procuring Entity or his duly authorized representative, identified in the SCC, who shall be responsible for supervising the execution of the Works and administering this Contract.
- 1.24 The **Site** is the place provided by the Procuring Entity where the Works shall be executed and any other place or places which may be designated in the SCC, or notified to the Contractor by the Procuring Entity's Representative as forming part of the Site.
- 1.25 **Site Investigation Reports** are those that were included in the Bidding Documents and are factual and interpretative reports about the surface and subsurface conditions at the Site.
- 1.26 **Slippage** is a delay in work execution occurring when actual accomplishment falls below the target as measured by the difference between the scheduled and actual accomplishment of the Work by the Contractor as established from the work schedule. This is actually described as a percentage of the whole Works.

- 1.27 **Specifications** means the description of Works to be done and the qualities of materials to be used, the equipment to be installed and the mode of construction.
- 1.28 The **Start Date**, as specified in the SCC, is the date when the Contractor is obliged to commence execution of the Works. It does not necessarily coincide with any of the Site Possession Dates.
- 1.29 A **Subcontractor** is any person or organization to whom a part of the Works has been subcontracted by the Contractor, as allowed by the Procuring Entity, but not any assignee of such person.
- 1.30 **Temporary Works** are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Permanent Works.
- 1.31 **Work(s)** refer to the Permanent Works and Temporary Works to be executed by the Contractor in accordance with this Contract, including (i) the furnishing of all labor, materials, equipment and others incidental, necessary or convenient to the complete execution of the Works; (ii) the passing of any tests before acceptance by the Procuring Entity's Representative; (iii) and the carrying out of all duties and obligations of the Contractor imposed by this Contract as described in the SCC.

2. Interpretation

- 2.1. In interpreting the Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of this Contract unless specifically defined. The Procuring Entity's Representative will provide instructions clarifying queries about the Conditions of Contract.
- 2.2. If sectional completion is specified in the SCC, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).
- 2.3. The documents forming this Contract shall be interpreted in the following order of priority:
- a) Contract Agreement;
 - b) Bid Data Sheet;
 - c) Instructions to Bidders;
 - d) Addenda to the Bidding Documents;
 - e) Special Conditions of Contract;
 - f) General Conditions of Contract;

- g) Specifications;
- h) Bill of Quantities; and
- i) Drawings.

3. Governing Language and Law

- 3.1. This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract. All correspondence and other documents pertaining to this Contract which are exchanged by the parties shall be written in English.
- 3.2. This Contract shall be interpreted in accordance with the laws of the Republic of the Philippines.

4. Communications

Communications between parties that are referred to in the Conditions shall be effective only when in writing. A notice shall be effective only when it is received by the concerned party.

5. Possession of Site

- 5.1. On the date specified in the **SCC**, the Procuring Entity shall grant the Contractor possession of so much of the Site as may be required to enable it to proceed with 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.
- 5.2. If possession of a portion is not given by the date stated in the SCC Clause 5.1, 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 shall be in accordance with **GCC** Clause 47.
- 5.3. The Contractor shall bear all costs and charges for special or temporary right-of-way required by it in connection with access to the Site. The Contractor shall also provide at his own cost any additional facilities outside the Site required by it for purposes of the Works.
- 5.4. The Contractor shall allow the Procuring Entity's Representative and any person authorized by the Procuring Entity's Representative access to the Site and to any place where work in connection with this Contract is being carried out or is intended to be carried out.

6. The Contractor's Obligations

- 6.1. The Contractor shall carry out the Works properly and in accordance with this Contract. The Contractor shall provide all supervision, labor, Materials, Plant and Contractor's Equipment, which may be required. All Materials and Plant on Site shall be deemed to be the property of the Procuring Entity.
- 6.2. The Contractor shall commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Program of Work submitted by the Contractor, as updated with the approval of the Procuring Entity's Representative, and complete them by the Intended Completion Date.
- 6.3. The Contractor shall be responsible for the safety of all activities on the Site.
- 6.4. The Contractor shall carry out all instructions of the Procuring Entity's Representative that comply with the applicable laws where the Site is located.
- 6.5. The Contractor shall employ the key personnel named in the Schedule of Key Personnel, as referred to in the SCC, 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.
- 6.6. If the Procuring Entity's Representative asks the Contractor to remove a member of the Contractor's staff or work force, for justifiable cause, the Contractor shall ensure that the person leaves the Site within seven (7) days and has no further connection with the Work in this Contract.
- 6.7. During Contract implementation, the Contractor and his subcontractors shall abide at all times by all labor laws, including child labor related enactments, and other relevant rules.
- 6.8. The Contractor shall submit to the Procuring Entity for consent the name and particulars of the person authorized to receive instructions on behalf of the Contractor.
- 6.9. The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Procuring Entity between the dates given in the schedule of other contractors particularly when they shall require access to the Site. The Contractor shall also provide facilities and services for them during this period. The Procuring Entity may modify the schedule of other contractors, and shall notify the Contractor of any such modification thereto.
- 6.10. Should anything of historical or other interest or of significant value be unexpectedly discovered on the Site, it shall be the property of the Procuring Entity. The Contractor shall notify the Procuring Entity's Representative of such discoveries and carry out the Procuring Entity's Representative's instructions in dealing with them.

7. Performance Security

- 7.1. 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 Contractor shall furnish the performance security in any of the forms prescribed in **ITB** Clause 32.2.
- 7.2. The performance security posted in favor of the Procuring Entity shall be forfeited in the event it is established that the Contractor is in default in any of its obligations under the Contract.
- 7.3. The performance security shall remain valid until issuance by the Procuring Entity of the Certificate of Final Acceptance.
- 7.4. The performance security may be released by the Procuring Entity and returned to the Contractor after the issuance of the Certificate of Final Acceptance subject to the following conditions:
 - (a) There are no pending claims against the Contractor or the surety company filed by the Procuring Entity;
 - (b) The Contractor has no pending claims for labor and materials filed against it; and
 - (c) Other terms specified in the **SCC**.
- 7.5. The Contractor shall post an additional performance security following the amount and form specified in **ITB** Clause 32.2 to cover any cumulative increase of more than ten percent (10%) over the original value of the contract as a result of amendments to order or change orders, extra work orders and supplemental agreements, as the case may be. The Contractor shall cause the extension of the validity of the performance security to cover approved contract time extensions.
- 7.6. In case of a reduction in the contract value or for partially completed Works under the contract which are usable and accepted by the Procuring Entity the use of which, in the judgment of the implementing agency or the Procuring Entity, will not affect the structural integrity of the entire project, the Procuring Entity shall allow a proportional reduction in the original performance security, provided that any such reduction is more than ten percent (10%) and that the aggregate of such reductions is not more than fifty percent (50%) of the original performance security.
- 7.7. Unless otherwise indicated in the **SCC**, the Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to Act 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.

8. Subcontracting

- 8.1. Unless otherwise indicated in the **SCC**, the Contractor cannot subcontract Works more than the percentage specified in **BDS** Clause 8.1.
- 8.2. Subcontracting of any portion of the Works does not relieve the Contractor of any liability or obligation under this Contract. The Contractor will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants or workmen.
- 8.3. If subcontracting is allowed. The contractor may identify its subcontractor during contract implementation stage. Subcontractors disclosed and identified during the bidding may be changed during the implementation of this Contract. In either case, subcontractors must submit the documentary requirements under ITB Clause 12 and comply with the eligibility criteria specified in the **BDS**. In the event that any subcontractor is found by any Procuring Entity to be eligible, the subcontracting of such portion of the Works shall be disallowed.

9. Liquidated Damages

- 9.1. The Contractor shall pay liquidated damages to the Procuring Entity for each day that the Completion Date is later than the Intended Completion Date. The applicable liquidated damages is at least one-tenth (1/10) of a percent of the cost of the unperformed portion for every day of delay. The total amount of liquidated damages shall not exceed ten percent (10%) of the amount of the contract. The Procuring Entity may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages shall not affect the Contractor's liabilities. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of this Contract, the Procuring Entity may rescind or terminate this Contract, without prejudice to other courses of action and remedies available under the circumstances.
- 9.2. If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer of the Procuring Entity shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment certificate.

10. 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.

11. The Procuring Entity, Licenses and Permits

The Procuring Entity shall, if requested by the Contractor, assist him in applying for permits, licenses or approvals, which are required for the Works.

12. Contractor's Risk and Warranty Security

- 12.1. The Contractor shall assume full responsibility for the Works from the time project construction commenced up to final acceptance by the Procuring

Entity and shall be held responsible for any damage or destruction of the Works except those occasioned by *force majeure*. The Contractor shall be fully responsible for the safety, protection, security, and convenience of his personnel, third parties, and the public at large, as well as the Works, Equipment, installation, and the like to be affected by his construction work.

- 12.2. The defects liability period for infrastructure projects shall be one year from contract completion up to final acceptance by the Procuring Entity. During this period, the Contractor shall undertake the repair works, at his own expense, of any damage to the Works on account of the use of materials of inferior quality within ninety (90) days from the time the HoPE has issued an order to undertake repair. In case of failure or refusal to comply with this mandate, the Procuring Entity shall undertake such repair works and shall be entitled to full reimbursement of expenses incurred therein upon demand.
- 12.3. Unless otherwise indicated in the **SCC**, in case the Contractor fails to comply with the preceding paragraph, 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.
- 12.4. After final acceptance of the Works by the Procuring Entity, the Contractor shall be held responsible for “Structural Defects,” *i.e.*, major faults/flaws/deficiencies in one or more key structural elements of the project which may lead to structural failure of the completed elements or structure, or “Structural Failures,” *i.e.*, where one or more key structural elements in an infrastructure facility fails or collapses, thereby rendering the facility or part thereof incapable of withstanding the design loads, and/or endangering the safety of the users or the general public:
 - (a) Contractor – Where Structural Defects/Failures arise due to faults attributable to improper construction, use of inferior quality/substandard materials, and any violation of the contract plans and specifications, the contractor shall be held liable;
 - (b) Consultants – Where Structural Defects/Failures arise due to faulty and/or inadequate design and specifications as well as construction supervision, then the consultant who prepared the design or undertook construction supervision for the project shall be held liable;
 - (c) Procuring Entity’s Representatives/Project Manager/Construction Managers and Supervisors – The project owner’s representative(s), project manager, construction manager, and supervisor(s) shall be held liable in cases where the Structural Defects/Failures are due to his/their willful intervention in altering the designs and other specifications; negligence or omission in not approving or acting on proposed changes to noted defects or deficiencies in the design and/or specifications; and the use of substandard construction materials in the project;

- (d) Third Parties - Third Parties shall be held liable in cases where Structural Defects/Failures are caused by work undertaken by them such as leaking pipes, diggings or excavations, underground cables and electrical wires, underground tunnel, mining shaft and the like, in which case the applicable warranty to such structure should be levied to third parties for their construction or restoration works.
- (e) Users - In cases where Structural Defects/Failures are due to abuse/misuse by the end user of the constructed facility and/or non-compliance by a user with the technical design limits and/or intended purpose of the same, then the user concerned shall be held liable.
- 12.5. The warranty against Structural Defects/Failures, except those occasioned on force majeure, shall cover the period specified in the SCC reckoned from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity.
- 12.6. The Contractor shall be required to put up a warranty security in the form of cash, bank guarantee, letter of credit, GSIS or surety bond callable on demand, in accordance with the following schedule:

Form of Warranty	Amount of Warranty Security Not less than the Percentage (%) of Total Contract Price
(a) Cash or letter of credit issued by Universal or Commercial bank: provided, however, that the letter of credit shall be confirmed or authenticated by a Universal or Commercial bank, if issued by a foreign bank	Five Percent (5%)
(b) Bank guarantee confirmed by Universal or Commercial bank: provided, however, that the letter of credit shall be confirmed or authenticated by a Universal or Commercial bank, if issued by a foreign bank	Ten Percent (10%)
(c) Surety bond callable upon demand issued by GSIS or any surety or insurance company duly certified by the Insurance Commission	Thirty Percent (30%)

- 12.7. The warranty security shall be stated in Philippine Pesos and shall remain effective for one year from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity, and returned only after the lapse of said one year period.
- 12.8. In case of structural defects/failure occurring during the applicable warranty period provided in **GCC** Clause 12.5, the Procuring Entity shall undertake the necessary restoration or reconstruction works and shall be entitled to full reimbursement by the parties found to be liable for expenses incurred therein

upon demand, without prejudice to the filing of appropriate administrative, civil, and/or criminal charges against the responsible persons as well as the forfeiture of the warranty security posted in favor of the Procuring Entity.

13. 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.

14. Procuring Entity's Risk

14.1. From the Start Date until the Certificate of Final Acceptance has been issued, the following are risks of the Procuring Entity:

- (a) The risk of personal injury, death, or loss of or damage to property (excluding the Works, Plant, Materials, and Equipment), which are due to:
 - (i) any type of use or occupation of the Site authorized by the Procuring Entity after the official acceptance of the works; or
 - (ii) negligence, breach of statutory duty, or interference with any legal right by the Procuring Entity or by any person employed by or contracted to him except the Contractor.
- (b) The risk of damage to the Works, Plant, Materials, and Equipment to the extent that it is due to a fault of the Procuring Entity or in the Procuring Entity's design, or due to war or radioactive contamination directly affecting the country where the Works are to be executed.

15. Insurance

15.1. The Contractor shall, under his name and at his own expense, obtain and maintain, for the duration of this Contract, the following insurance coverage:

- (a) Contractor's All Risk Insurance;
- (b) Transportation to the project Site of Equipment, Machinery, and Supplies owned by the Contractor;
- (c) Personal injury or death of Contractor's employees; and
- (d) Comprehensive insurance for third party liability to Contractor's direct or indirect act or omission causing damage to third persons.

15.2. The Contractor shall provide evidence to the Procuring Entity's Representative that the insurances required under this Contract have been effected and shall, within a reasonable time, provide copies of the insurance policies to the Procuring Entity's Representative. Such evidence and such policies shall be provided to the Procuring Entity's through the Procuring Entity's Representative.

- 15.3. The Contractor shall notify the insurers of changes in the nature, extent, or program for the execution of the Works and ensure the adequacy of the insurances at all times in accordance with the terms of this Contract and shall produce to the Procuring Entity's Representative the insurance policies in force including the receipts for payment of the current premiums.

The above insurance policies shall be obtained from any reputable insurance company approved by the Procuring Entity's Representative.

- 15.4. If the Contractor fails to obtain and keep in force the insurances referred to herein or any other insurance which he may be required to obtain under the terms of this Contract, the Procuring Entity may obtain and keep in force any such insurances and pay such premiums as may be necessary for the purpose. From time to time, the Procuring Entity may deduct the amount it shall pay for said premiums including twenty five percent (25%) therein from any monies due, or which may become due, to the Contractor, without prejudice to the Procuring Entity exercising its right to impose other sanctions against the Contractor pursuant to the provisions of this Contract.
- 15.5. In the event the Contractor fails to observe the above safeguards, the Procuring Entity may, at the Contractor's expense, take whatever measure is deemed necessary for its protection and that of the Contractor's personnel and third parties, and/or order the interruption of dangerous Works. In addition, the Procuring Entity may refuse to make the payments under GCC Clause 40 until the Contractor complies with this Clause.
- 15.6. The Contractor shall immediately replace the insurance policy obtained as required in this Contract, without need of the Procuring Entity's demand, with a new policy issued by a new insurance company acceptable to the Procuring Entity for any of the following grounds:
- (a) The issuer of the insurance policy to be replaced has:
 - (i) become bankrupt;
 - (ii) been placed under receivership or under a management committee;
 - (iii) been sued for suspension of payment; or
 - (iv) been suspended by the Insurance Commission and its license to engage in business or its authority to issue insurance policies cancelled; or
 - (v) Where reasonable grounds exist that the insurer may not be able, fully and promptly, to fulfill its obligation under the insurance policy.

16. Termination for Default of Contractor

16.1. The Procuring Entity shall terminate this Contract for default when any of the following conditions attend its implementation:

- (i) Due to the Contractor's fault and while the project is on-going, it has incurred negative slippage of fifteen percent (15%) or more in accordance with Presidential Decree 1870, regardless of whether or not previous warnings and notices have been issued for the Contractor to improve his performance;
- (ii) Due to its own fault and after this Contract time has expired, the Contractor incurs delay in the completion of the Work after this Contract has expired; or
- (iii) The Contractor:
 - (i) abandons the contract Works, refuses or fails to comply with a valid instruction of the Procuring Entity or fails to proceed expeditiously and without delay despite a written notice by the Procuring Entity;
 - (ii) does not actually have on the project Site the minimum essential equipment listed on the bid necessary to prosecute the Works in accordance with the approved Program of Work and equipment deployment schedule as required for the project;
 - (iii) does not execute the Works in accordance with this Contract or persistently or flagrantly neglects to carry out its obligations under this Contract;
 - (iv) neglects or refuses to remove materials or to perform a new Work that has been rejected as defective or unsuitable; or
 - (v) sub-lets any part of this Contract without approval by the Procuring Entity.

16.2. All materials on the Site, Plant, Works, including Equipment purchased and funded under the Contract shall be deemed to be the property of the Procuring Entity if this Contract is rescinded because of the Contractor's default.

17. Termination for Default of Procuring Entity

The Contractor may terminate this Contract with the Procuring Entity if the works are completely stopped for a continuous period of at least sixty (60) calendar days through no fault of its own, due to any of the following reasons:

- (a) Failure of the Procuring Entity to deliver, within a reasonable time, supplies, materials, right-of-way, or other items it is obligated to furnish under the terms of this Contract; or
- (b) The prosecution of the Work is disrupted by the adverse peace and order situation, as certified by the Armed Forces of the Philippines Provincial Commander and approved by the Secretary of National Defense.

18. Termination for Other Causes

- 18.1. The Procuring Entity may terminate this Contract, in whole or in part, at any time for its convenience. The HoPE may terminate this Contract for the convenience of the Procuring Entity if he has determined the existence of conditions that make Project Implementation economically, financially or technically impractical and/or unnecessary, such as, but not limited to, fortuitous event(s) or changes in law and National Government policies.
- 18.2. The Procuring Entity or the Contractor may terminate this Contract if the other party causes a fundamental breach of this Contract.
- 18.3. Fundamental breaches of Contract shall include, but shall not be limited to, the following:
 - (a) The Contractor stops work for twenty eight (28) days when no stoppage of work is shown on the current Program of Work and the stoppage has not been authorized by the Procuring Entity's Representative;
 - (b) The Procuring Entity's Representative instructs the Contractor to delay the progress of the Works, and the instruction is not withdrawn within twenty eight (28) days;
 - (c) The Procuring Entity shall terminate this Contract if the Contractor is declared bankrupt or insolvent as determined with finality by a court of competent jurisdiction. In this event, termination will be without compensation to the Contractor, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Entity and/or the Contractor. In the case of the Contractor's insolvency, any Contractor's Equipment which the Procuring Entity instructs in the notice is to be used until the completion of the Works;
 - (d) A payment certified by the Procuring Entity's Representative is not paid by the Procuring Entity to the Contractor within eighty four (84) days from the date of the Procuring Entity's Representative's certificate;
 - (e) The Procuring Entity's Representative gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Procuring Entity's Representative;
 - (f) The Contractor does not maintain a Security, which is required;
 - (g) The Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in the GCC Clause 9; and

- (h) 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, the following:
 - (i) corrupt, fraudulent, collusive, coercive, and obstructive practices as defined in **ITB** Clause 3.1(a), unless otherwise specified in the SCC;
 - (ii) drawing up or using forged documents;
 - (iii) using adulterated materials, means or methods, or engaging in production contrary to rules of science or the trade; and
 - (iv) any other act analogous to the foregoing.
- 18.4. The Funding Source or the Procuring Entity, as appropriate, will seek to impose the maximum civil, administrative and/or criminal penalties available under the applicable law on individuals and organizations deemed to be involved with corrupt, fraudulent, or coercive practices.
- 18.5. When persons from either party to this Contract gives notice of a fundamental breach to the Procuring Entity's Representative in order to terminate the existing contract for a cause other than those listed under **GCC** Clause 18.3, the Procuring Entity's Representative shall decide whether the breach is fundamental or not.
- 18.6. If this Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

19. Procedures for Termination of Contracts

- 19.1. The following provisions shall govern the procedures for the termination of this Contract:
 - (a) Upon receipt of a written report of acts or causes which may constitute ground(s) for termination as aforementioned, or upon its own initiative, the Procuring Entity shall, within a period of seven (7) calendar days, verify the existence of such ground(s) and cause the execution of a Verified Report, with all relevant evidence attached;
 - (b) Upon recommendation by the Procuring Entity, the HoPE shall terminate this Contract only by a written notice to the Contractor conveying the termination of this Contract. The notice shall state:
 - (i) that this Contract is being terminated for any of the ground(s) afore-mentioned, and a statement of the acts that constitute the ground(s) constituting the same;
 - (ii) the extent of termination, whether in whole or in part;

- (iii) an instruction to the Contractor to show cause as to why this Contract should not be terminated; and
- (iv) special instructions of the Procuring Entity, if any.

The Notice to Terminate shall be accompanied by a copy of the Verified Report;

- (c) Within a period of seven (7) calendar days from receipt of the Notice of Termination, the Contractor shall submit to the HoPE a verified position paper stating why the contract should not be terminated. If the Contractor fails to show cause after the lapse of the seven (7) day period, either by inaction or by default, the HoPE shall issue an order terminating the contract;
- (d) The Procuring Entity may, at anytime before receipt of the Contractor's verified position paper described in item (c) above withdraw the Notice to Terminate if it is determined that certain items or works subject of the notice had been completed, delivered, or performed before the Contractor's receipt of the notice;
- (e) Within a non-extendible period of ten (10) calendar days from receipt of the verified position paper, the HoPE shall decide whether or not to terminate this Contract. It shall serve a written notice to the Contractor of its decision and, unless otherwise provided in the said notice, this Contract is deemed terminated from receipt of the Contractor of the notice of decision. The termination shall only be based on the ground(s) stated in the Notice to Terminate; and
- (f) The HoPE may create a Contract Termination Review Committee (CTRC) to assist him in the discharge of this function. All decisions recommended by the CTRC shall be subject to the approval of the HoPE.

19.2. Pursuant to Section 69(f) of RA 9184 and without prejudice to the imposition of additional administrative sanctions as the internal rules of the agency may provide and/or further criminal prosecution as provided by applicable laws, the procuring entity shall impose on contractors after the termination of the contract the penalty of suspension for one (1) year for the first offense, suspension for two (2) years for the second offense from participating in the public bidding process, for violations committed during the contract implementation stage, which include but not limited to the following:

- (a) Failure of the contractor, due solely to his fault or negligence, to mobilize and start work or performance within the specified period in the Notice to Proceed ("NTP");
- (b) Failure by the contractor to fully and faithfully comply with its contractual obligations without valid cause, or failure by the contractor to comply with any written lawful instruction of the procuring entity or its representative(s) pursuant to the implementation of the contract.

For the procurement of infrastructure projects or consultancy contracts, lawful instructions include but are not limited *to* the following:

- (i) Employment of competent technical personnel, competent engineers and/or work supervisors;
 - (ii) Provision of warning signs and barricades in accordance with approved plans and specifications and contract provisions;
 - (iii) Stockpiling in proper places of all materials and removal from the project site of waste and excess materials, including broken pavement and excavated debris in accordance with approved plans and specifications and contract provisions;
 - (iv) Deployment of committed equipment, facilities, support staff and manpower; and
 - (v) Renewal of the effectivity dates of the performance security after its expiration during the course of contract implementation.
- (c) Assignment and subcontracting of the contract or any part thereof or substitution of key personnel named in the proposal without prior written approval by the procuring entity.
- (d) Poor performance by the contractor or unsatisfactory quality and/or progress of work arising from his fault or negligence as reflected in the Constructor's Performance Evaluation System ("CPES") rating sheet. In the absence of the CPES rating sheet, the existing performance monitoring system of the procuring entity shall be applied. Any of the following acts by the Contractor shall be construed as poor performance:
- (i) Negative slippage of 15% and above within the critical path of the project due entirely to the fault or negligence of the contractor; and
 - (ii) Quality of materials and workmanship not complying with the approved specifications arising from the contractor's fault or negligence.
- (e) Willful or deliberate abandonment or non-performance of the project or contract by the contractor resulting to substantial breach thereof without lawful and/or just cause.

In addition to the penalty of suspension, the performance security posted by the contractor shall also be forfeited.

20. Force Majeure, Release From Performance

- 20.1. For purposes of this Contract the terms "*force majeure*" and "fortuitous event" may be used interchangeably. In this regard, a fortuitous event or *force*

majeure shall be interpreted to mean an event which the Contractor could not have foreseen, or which though foreseen, was inevitable. It shall not include ordinary unfavorable weather conditions; and any other cause the effects of which could have been avoided with the exercise of reasonable diligence by the Contractor.

- 20.2. If this Contract is discontinued by an outbreak of war or by any other event entirely outside the control of either the Procuring Entity or the Contractor, the Procuring Entity's Representative shall certify that this Contract has been discontinued. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all works carried out before receiving it and for any Work carried out afterwards to which a commitment was made.
- 20.3. If the event continues for a period of eighty four (84) days, either party may then give notice of termination, which shall take effect twenty eight (28) days after the giving of the notice.
- 20.4. After termination, the Contractor shall be entitled to payment of the unpaid balance of the value of the Works executed and of the materials and Plant reasonably delivered to the Site, adjusted by the following:
 - (a) any sum to which the Contractor is entitled under **GCC** Clause 28;
 - (b) the cost of his suspension and demobilization;
 - (c) any sum to which the Procuring Entity is entitled.
- 20.5. The net balance due shall be paid or repaid within a reasonable time period from the time of the notice of termination.

21. Resolution of Disputes

- 21.1. If any dispute or difference of any kind whatsoever shall arise between the parties in connection with the implementation of the contract covered by the Act and this IRR, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 21.2. If the Contractor believes that a decision taken by the Procuring Entity's Representative was either outside the authority given to the Procuring Entity's Representative by this Contract or that the decision was wrongly taken, the decision shall be referred to the Arbiter indicated in the **SCC** within fourteen (14) days of the notification of the Procuring Entity's Representative's decision.
- 21.3. Any and all disputes arising from the implementation of this Contract covered by the R.A. 9184 and its IRR shall be submitted to arbitration in the Philippines according to the provisions of Republic Act No. 876, otherwise known as the "Arbitration Law" and Republic Act 9285, otherwise known as the "Alternative Dispute Resolution Act of 2004": *Provided, however*, That, disputes that are within the competence of the Construction Industry

Arbitration Commission to resolve shall be referred thereto. The process of arbitration shall be incorporated as a provision in this Contract that will be executed pursuant to the provisions of the Act and its IRR: *Provided, further,* That, by mutual agreement, the parties may agree in writing to resort to other alternative modes of dispute resolution.

22. Suspension of Loan, Credit, Grant, or Appropriation

In the event that the Funding Source suspends the Loan, Credit, Grant, or Appropriation to the Procuring Entity, from which part of the payments to the Contractor are being made:

- (a) The Procuring Entity is obligated to notify the Contractor of such suspension within seven (7) days of having received the suspension notice.
- (b) If the Contractor has not received sums due it for work already done within forty five (45) days from the time the Contractor's claim for payment has been certified by the Procuring Entity's Representative, the Contractor may immediately issue a suspension of work notice in accordance with GCC Clause 45.2.

23. Procuring Entity's Representative's Decisions

- 23.1. Except where otherwise specifically stated, the Procuring Entity's Representative will decide contractual matters between the Procuring Entity and the Contractor in the role representing the Procuring Entity.
- 23.2. The Procuring Entity's Representative may delegate any of his duties and responsibilities to other people, except to the Arbiter, after notifying the Contractor, and may cancel any delegation after notifying the Contractor.

24. Approval of Drawings and Temporary Works by the Procuring Entity's Representative

- 24.1. All Drawings prepared by the Contractor for the execution of the Temporary Works, are subject to prior approval by the Procuring Entity's Representative before its use.
- 24.2. The Contractor shall be responsible for design of Temporary Works.
- 24.3. The Procuring Entity's Representative's approval shall not alter the Contractor's responsibility for design of the Temporary Works.
- 24.4. The Contractor shall obtain approval of third parties to the design of the Temporary Works, when required by the Procuring Entity.

25. Acceleration and Delays Ordered by the Procuring Entity's Representative

- 25.1. When the Procuring Entity wants the Contractor to finish before the Intended Completion Date, the Procuring Entity's Representative will obtain priced

proposals for achieving the necessary acceleration from the Contractor. If the Procuring Entity accepts these proposals, the Intended Completion Date will be adjusted accordingly and confirmed by both the Procuring Entity and the Contractor.

- 25.2. If the Contractor's Financial Proposals for an acceleration are accepted by the Procuring Entity, they are incorporated in the Contract Price and treated as a Variation.

26. Extension of the Intended Completion Date

- 26.1. The Procuring Entity's Representative shall extend the Intended Completion Date if a Variation is issued which makes it impossible for the Intended Completion Date to be achieved by the Contractor without taking steps to accelerate the remaining work, which would cause the Contractor to incur additional costs. No payment shall be made for any event which may warrant the extension of the Intended Completion Date.
- 26.2. The Procuring Entity's Representative shall decide whether and by how much to extend the Intended Completion Date within twenty one (21) days of the Contractor asking the Procuring Entity's Representative for a decision thereto after fully submitting all supporting information. If the Contractor has failed to give early warning of a delay or has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

27. Right to Vary

- 27.1. The Procuring Entity's Representative with the prior approval of the Procuring Entity may instruct Variations, up to a maximum cumulative amount of ten percent (10%) of the original contract cost.
- 27.2. Variations shall be valued as follows:
- (a) At a lump sum price agreed between the parties;
 - (b) where appropriate, at rates in this Contract;
 - (c) in the absence of appropriate rates, the rates in this Contract shall be used as the basis for valuation; or failing which
 - (d) at appropriate new rates, equal to or lower than current industry rates and to be agreed upon by both parties and approved by the HoPE.

28. Contractor's Right to Claim

If the Contractor incurs cost as a result of any of the events under GCC Clause 13, the Contractor shall be entitled to the amount of such cost. If as a result of any of the said events, it is necessary to change the Works, this shall be dealt with as a Variation.

29. Dayworks

- 29.1. Subject to **GCC** Clause 43 on Variation Order, 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.
- 29.2. All work to be paid for as Dayworks shall be recorded by the Contractor on forms approved by the Procuring Entity's Representative. Each completed form shall be verified and signed by the Procuring Entity's Representative within two days of the work being done.
- 29.3. The Contractor shall be paid for Dayworks subject to obtaining signed Dayworks forms.

30. Early Warning

- 30.1. The Contractor shall warn the Procuring Entity's Representative at the earliest opportunity of specific likely future events or circumstances that may adversely affect the quality of the work, increase the Contract Price, or delay the execution of the Works. The Procuring Entity's Representative may require the Contractor to provide an estimate of the expected effect of the future event or circumstance on the Contract Price and Completion Date. The estimate shall be provided by the Contractor as soon as reasonably possible.
- 30.2. The Contractor shall cooperate with the Procuring Entity's Representative in making and considering proposals for how the effect of such an event or circumstance can be avoided or reduced by anyone involved in the work and in carrying out any resulting instruction of the Procuring Entity's Representative.

31. Program of Work

- 31.1. Within the time stated in the **SCC**, the Contractor shall submit to the Procuring Entity's Representative for approval a Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works.
- 31.2. An update of the Program of Work shall show the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining work, including any changes to the sequence of the activities.
- 31.3. 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.
- 31.4. The Procuring Entity's Representative's approval of the Program of Work shall not alter the Contractor's obligations. The Contractor may revise the

Program of Work and submit it to the Procuring Entity's Representative again at any time. A revised Program of Work shall show the effect of any approved Variations.

- 31.5. When the Program of Work is updated, the Contractor shall provide the Procuring Entity's Representative with an updated cash flow forecast. The cash flow forecast shall include different currencies, as defined in the Contract, converted as necessary using the Contract exchange rates.
- 31.6. All Variations shall be included in updated Program of Work produced by the Contractor.

32. Management Conferences

- 32.1. Either the Procuring Entity's Representative or the Contractor may require the other to attend a Management Conference. The Management Conference shall review the plans for remaining work and deal with matters raised in accordance with the early warning procedure.
- 32.2. The Procuring Entity's Representative shall record the business of Management Conferences and provide copies of the record to those attending the Conference and to the Procuring Entity. The responsibility of the parties for actions to be taken shall be decided by the Procuring Entity's Representative either at the Management Conference or after the Management Conference and stated in writing to all who attended the Conference.

33. Bill of Quantities

- 33.1. The Bill of Quantities shall contain items of work for the construction, installation, testing, and commissioning of work to be done by the Contractor.
- 33.2. The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item.
- 33.3. If the final quantity of any work done differs from the quantity in the Bill of Quantities for the particular item and is not more than twenty five percent (25%) of the original quantity, provided the aggregate changes for all items do not exceed ten percent (10%) of the Contract price, the Procuring Entity's Representative shall make the necessary adjustments to allow for the changes subject to applicable laws, rules, and regulations.
- 33.4. If requested by the Procuring Entity's Representative, the Contractor shall provide the Procuring Entity's Representative with a detailed cost breakdown of any rate in the Bill of Quantities.

34. Instructions, Inspections and Audits

- 34.1. The Procuring Entity's personnel shall at all reasonable times during construction of the Work be entitled to examine, inspect, measure and test the materials and workmanship, and to check the progress of the construction.

- 34.2. If the Procuring Entity's Representative instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no defect, the test shall be a Compensation Event.
- 34.3. The Contractor shall permit the Funding Source named in the SCC to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors appointed by the Funding Source, if so required by the Funding Source.

35. Identifying Defects

The Procuring Entity's Representative shall check the Contractor's work and notify the Contractor of any defects that are found. Such checking shall not affect the Contractor's responsibilities. The Procuring Entity's Representative may instruct the Contractor to search uncover defects and test any work that the Procuring Entity's Representative considers below standards and defective.

36. Cost of Repairs

Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Liability Periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

37. Correction of Defects

- 37.1. The Procuring Entity's Representative shall give notice to the Contractor of any defects before the end of the Defects Liability Period, which is One (1) year from project completion up to final acceptance by the Procuring Entity's Representative.
- 37.2. Every time notice of a defect is given, the Contractor shall correct the notified defect within the length of time specified in the Procuring Entity's Representative's notice.
- 37.3. The Contractor shall correct the defects which he notices himself before the end of the Defects Liability Period.
- 37.4. The Procuring Entity shall certify that all defects have been corrected. If the Procuring Entity considers that correction of a defect is not essential, he can request the Contractor to submit a quotation for the corresponding reduction in the Contract Price. If the Procuring Entity accepts the quotation, the corresponding change in the SCC is a Variation.

38. Uncorrected Defects

- 38.1. The Procuring Entity shall give the Contractor at least fourteen (14) days notice of his intention to use a third party to correct a Defect. If the Contractor does not correct the Defect himself within the period, the Procuring Entity

may have the Defect corrected by the third party. The cost of the correction will be deducted from the Contract Price.

- 38.2. The use of a third party to correct defects that are uncorrected by the Contractor will in no way relieve the Contractor of its liabilities and warranties under the Contract.

39. Advance Payment

- 39.1. 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.
- 39.2. The advance payment shall be made only upon the submission to and acceptance by the Procuring Entity of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the Procuring Entity.
- 39.3. The advance payment shall be repaid by the Contractor by an amount equal to the percentage of the total contract price used for the advance payment.
- 39.4. The contractor may reduce his standby letter of credit or guarantee instrument by the amounts refunded by the Monthly Certificates in the advance payment.
- 39.5. The Procuring Entity will provide an Advance Payment on the Contract Price as stipulated in the Conditions of Contract, subject to the maximum amount stated in SCC Clause 39.1.

40. Progress Payments

- 40.1. The Contractor may submit a request for payment for Work accomplished. Such request 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.
- 40.2. The Procuring Entity shall deduct the following from the certified gross amounts to be paid to the contractor as progress payment:
- (a) Cumulative value of the work previously certified and paid for.
 - (b) Portion of the advance payment to be recouped for the month.
 - (c) Retention money in accordance with the condition of contract.
 - (d) Amount to cover third party liabilities.
 - (e) Amount to cover uncorrected discovered defects in the works.

- 40.3. Payments shall be adjusted by deducting there from the amounts for advance payments and retention. The Procuring Entity shall pay the Contractor the amounts certified by the Procuring Entity's Representative within twenty eight (28) days from the date each certificate was issued. No payment of interest for delayed payments and adjustments shall be made by the Procuring Entity.
- 40.4. The first progress payment may be paid by the Procuring Entity to the Contractor provided that at least twenty percent (20%) of the work has been accomplished as certified by the Procuring Entity's Representative.
- 40.5. Items of the Works for which a price of "0" (zero) has been entered will not be paid for by the Procuring Entity and shall be deemed covered by other rates and prices in the Contract.

41. Payment Certificates

- 41.1. The Contractor shall submit to the Procuring Entity's Representative monthly statements of the estimated value of the work executed less the cumulative amount certified previously.
- 41.2. The Procuring Entity's Representative shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
- 41.3. The value of Work executed shall:
 - (a) be determined by the Procuring Entity's Representative;
 - (b) comprise the value of the quantities of the items in the Bill of Quantities completed; and
 - (c) include the valuations of approved variations.
- 41.4. The Procuring Entity's Representative may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.

42. Retention

- 42.1. The Procuring Entity shall retain from each payment due to the Contractor an amount equal to a percentage thereof using the rate as specified in GCC Sub-Clause 42.2.
- 42.2. Progress payments are subject to retention of ten percent (10%), referred to as the "retention money." Such retention shall be based on the total amount due to the Contractor prior to any deduction and shall be retained from every progress payment until fifty percent (50%) of the value of Works, as determined by the Procuring Entity, are completed. If, after fifty percent (50%) completion, the Work is satisfactorily done and on schedule, no additional retention shall be made; otherwise, the ten percent (10%) retention shall again be imposed using the rate specified therefor.

- 42.3. The total “retention money” shall be due for release upon final acceptance of the Works. The Contractor may, however, request the substitution of the retention money for each progress billing with irrevocable standby letters of credit from a commercial bank, bank guarantees or surety bonds callable on demand, of amounts equivalent to the retention money substituted for and acceptable to the Procuring Entity, provided that the project is on schedule and is satisfactorily undertaken. Otherwise, the ten (10%) percent retention shall be made. Said irrevocable standby letters of credit, bank guarantees and/or surety bonds, to be posted in favor of the Government shall be valid for a duration to be determined by the concerned implementing office/agency or Procuring Entity and will answer for the purpose for which the ten (10%) percent retention is intended, *i.e.*, to cover uncorrected discovered defects and third party liabilities.
- 42.4. On completion of the whole Works, the Contractor may substitute retention money with an “on demand” Bank guarantee in a form acceptable to the Procuring Entity.

43. Variation Orders

- 43.1. Variation Orders may be issued by the Procuring Entity to cover any increase/decrease in quantities, including the introduction of new work items that are not included in the original contract or reclassification of work items that are either due to change of plans, design or alignment to suit actual field conditions resulting in disparity between the preconstruction plans used for purposes of bidding and the “as staked plans” or construction drawings prepared after a joint survey by the Contractor and the Procuring Entity after award of the contract, provided that the cumulative amount of the Variation Order does not exceed ten percent (10%) of the original project cost. The addition/deletion of Works should be within the general scope of the project as bid and awarded. The scope of works shall not be reduced so as to accommodate a positive Variation Order. A Variation Order may either be in the form of a Change Order or Extra Work Order.
- 43.2. A Change Order may be issued by the Procuring Entity to cover any increase/decrease in quantities of original Work items in the contract.
- 43.3. An Extra Work Order may be issued by the Procuring Entity to cover the introduction of new work necessary for the completion, improvement or protection of the project which were not included as items of Work in the original contract, such as, where there are subsurface or latent physical conditions at the site differing materially from those indicated in the contract, or where there are duly unknown physical conditions at the site of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in the Work or character provided for in the contract.
- 43.4. Any cumulative Variation Order beyond ten percent (10%) shall be subject of another contract to be bid out if the works are separable from the original contract. In exceptional cases where it is urgently necessary to complete the original scope of work, the HoPE may authorize a positive Variation Order go beyond ten percent (10%) but not more than twenty percent (20%) of the

original contract price, subject to the guidelines to be determined by the GPPB: *Provided, however*, That appropriate sanctions shall be imposed on the designer, consultant or official responsible for the original detailed engineering design which failed to consider the Variation Order beyond ten percent (10%).

- 43.5. In claiming for any Variation Order, the Contractor shall, within seven (7) calendar days after such work has been commenced or after the circumstances leading to such condition(s) leading to the extra cost, and within twenty-eight (28) calendar days deliver a written communication giving full and detailed particulars of any extra cost in order that it may be investigated at that time. Failure to provide either of such notices in the time stipulated shall constitute a waiver by the contractor for any claim. The preparation and submission of Variation Orders are as follows:
- (a) If the Procuring Entity's representative/Project Engineer believes that a Change Order or Extra Work Order should be issued, he shall prepare the proposed Order accompanied with the notices submitted by the Contractor, the plans therefore, his computations as to the quantities of the additional works involved per item indicating the specific stations where such works are needed, the date of his inspections and investigations thereon, and the log book thereof, and a detailed estimate of the unit cost of such items of work, together with his justifications for the need of such Change Order or Extra Work Order, and shall submit the same to the HoPE for approval.
 - (b) The HoPE or his duly authorized representative, upon receipt of the proposed Change Order or Extra Work Order shall immediately instruct the appropriate technical staff or office of the Procuring Entity to conduct an on-the-spot investigation to verify the need for the Work to be prosecuted and to review the proposed plan, and prices of the work involved.
 - (c) The technical staff or appropriate office of the Procuring Entity shall submit a report of their findings and recommendations, together with the supporting documents, to the Head of Procuring Entity or his duly authorized representative for consideration.
 - (d) The HoPE or his duly authorized representative, acting upon the recommendation of the technical staff or appropriate office, shall approve the Change Order or Extra Work Order after being satisfied that the same is justified, necessary, and in order.
 - (e) The timeframe for the processing of Variation Orders from the preparation up to the approval by the Procuring Entity concerned shall not exceed thirty (30) calendar days.

44. Contract Completion

Once the project reaches an accomplishment of ninety five (95%) of the total contract amount, the Procuring Entity may create an inspectorate team to make preliminary

inspection and submit a punch-list to the Contractor in preparation for the final turnover of the project. Said punch-list will contain, among others, the remaining Works, Work deficiencies for necessary corrections, and the specific duration/time to fully complete the project considering the approved remaining contract time. This, however, shall not preclude the claim of the Procuring Entity for liquidated damages.

45. Suspension of Work

- 45.1. The Procuring Entity shall have the authority to suspend the work wholly or partly by written order for such period as may be deemed necessary, due to *force majeure* or any fortuitous events or for failure on the part of the Contractor to correct bad conditions which are unsafe for workers or for the general public, to carry out valid orders given by the Procuring Entity or to perform any provisions of the contract, or due to adjustment of plans to suit field conditions as found necessary during construction. The Contractor shall immediately comply with such order to suspend the work wholly or partly.
- 45.2. The Contractor or its duly authorized representative shall have the right to suspend work operation on any or all projects/activities along the critical path of activities after fifteen (15) calendar days from date of receipt of written notice from the Contractor to the district engineer/regional director/consultant or equivalent official, as the case may be, due to the following:
- (a) There exist right-of-way problems which prohibit the Contractor from performing work in accordance with the approved construction schedule.
 - (b) Requisite construction plans which must be owner-furnished are not issued to the contractor precluding any work called for by such plans.
 - (c) Peace and order conditions make it extremely dangerous, if not possible, to work. However, this condition must be certified in writing by the Philippine National Police (PNP) station which has responsibility over the affected area and confirmed by the Department of Interior and Local Government (DILG) Regional Director.
 - (d) There is failure on the part of the Procuring Entity to deliver government-furnished materials and equipment as stipulated in the contract.
 - (e) Delay in the payment of Contractor's claim for progress billing beyond forty-five (45) calendar days from the time the Contractor's claim has been certified to by the procuring entity's authorized representative that the documents are complete unless there are justifiable reasons thereof which shall be communicated in writing to the Contractor.
- 45.3. In case of total suspension, or suspension of activities along the critical path, which is not due to any fault of the Contractor, the elapsed time between the effectivity of the order suspending operation and the order to resume work shall be allowed the Contractor by adjusting the contract time accordingly.

46. Payment on Termination

- 46.1. If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Procuring Entity's Representative shall issue a certificate for the value of the work done and Materials ordered less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the SCC. Additional Liquidated Damages shall not apply. If the total amount due to the Procuring Entity exceeds any payment due to the Contractor, the difference shall be a debt payable to the Procuring Entity.
- 46.2. If the Contract is terminated for the Procuring Entity's convenience or because of a fundamental breach of Contract by the Procuring Entity, the Procuring Entity's Representative shall issue a certificate for the value of the work done, Materials ordered, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works, and less advance payments received up to the date of the certificate.
- 46.3. The net balance due shall be paid or repaid within twenty eight (28) days from the notice of termination.
- 46.4. If the Contractor has terminated the Contract under GCC Clauses 17 or 18, the Procuring Entity shall promptly return the Performance Security to the Contractor.

47. Extension of Contract Time

- 47.1. Should the amount of additional work of any kind or other special circumstances of any kind whatsoever occur such as to fairly entitle the contractor to an extension of contract time, the Procuring Entity shall determine the amount of such extension; provided that the Procuring Entity is not bound to take into account any claim for an extension of time unless the Contractor has, prior to the expiration of the contract time and within thirty (30) calendar days after such work has been commenced or after the circumstances leading to such claim have arisen, delivered to the Procuring Entity notices in order that it could have investigated them at that time. Failure to provide such notice shall constitute a waiver by the Contractor of any claim. Upon receipt of full and detailed particulars, the Procuring Entity shall examine the facts and extent of the delay and shall extend the contract time completing the contract work when, in the Procuring Entity's opinion, the findings of facts justify an extension.
- 47.2. No extension of contract time shall be granted the Contractor due to (a) ordinary unfavorable weather conditions and (b) inexcusable failure or negligence of Contractor to provide the required equipment, supplies or materials.
- 47.3. Extension of contract time may be granted only when the affected activities fall within the critical path of the PERT/CPM network.

- 47.4. No extension of contract time shall be granted when the reason given to support the request for extension was already considered in the determination of the original contract time during the conduct of detailed engineering and in the preparation of the contract documents as agreed upon by the parties before contract perfection.
- 47.5. Extension of contract time shall be granted for rainy/unworkable days considered unfavorable for the prosecution of the works at the site, based on the actual conditions obtained at the site, in excess of the number of rainy/unworkable days pre-determined by the Procuring Entity in relation to the original contract time during the conduct of detailed engineering and in the preparation of the contract documents as agreed upon by the parties before contract perfection, and/or for equivalent period of delay due to major calamities such as exceptionally destructive typhoons, floods and earthquakes, and epidemics, and for causes such as non-delivery on time of materials, working drawings, or written information to be furnished by the Procuring Entity, non-acquisition of permit to enter private properties or non-execution of deed of sale or donation within the right-of-way resulting in complete paralyzation of construction activities, and other meritorious causes as determined by the Procuring Entity's Representative and approved by the HoPE. Shortage of construction materials, general labor strikes, and peace and order problems that disrupt construction operations through no fault of the Contractor may be considered as additional grounds for extension of contract time provided they are publicly felt and certified by appropriate government agencies such as DTI, DOLE, DILG, and DND, among others. The written consent of bondsmen must be attached to any request of the Contractor for extension of contract time and submitted to the Procuring Entity for consideration and the validity of the Performance Security shall be correspondingly extended.

48. Price Adjustment

Except for extraordinary circumstances as determined by NEDA and approved by the GPPB, no price escalation shall be allowed. Nevertheless, in cases where the cost of the awarded contract is affected by any applicable new laws, ordinances, regulations, or other acts of the GoP, promulgated after the date of bid opening, a contract price adjustment shall be made or appropriate relief shall be applied on a no loss-no gain basis.

49. Completion

The Contractor shall request the Procuring Entity's Representative to issue a certificate of Completion of the Works, and the Procuring Entity's Representative will do so upon deciding that the work is completed.

50. Taking Over

The Procuring Entity shall take over the Site and the Works within seven (7) days from the date the Procuring Entity's Representative issues a certificate of Completion.

51. Operating and Maintenance Manuals

- 51.1. If “as built” Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the SCC.
- 51.2. If the Contractor does not supply the Drawings and/or manuals by the dates stated in the SCC, or they do not receive the Procuring Entity’s Representative’s approval, the Procuring Entity’s Representative shall 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	
1.17	<p>The Intended Completion Date is <i>Five Hundred Forty Seven (547) calendar days</i>.</p> <p>NOTE: <i>The contract duration shall be reckoned from the start date and not from contract effectivity date.</i></p>
1.22	The Procuring Entity is <i>Batanes General Hospital, National Road, Kayhuvokan, Basco, Batanes</i> .
1.23	The Procuring Entity's Representative is <i>Engr. John Elmer B. Alviso, Batanes General Hospital, National Road, Kayhuvokan, Basco, Batanes</i> .
1.24	The Site is located at <i>Batanes General Hospital, National Road, Kayhuvokan, Basco, Batanes</i> .
1.28	<p>The Start Date is <i>[Insert date]</i>.</p> <p>NOTE: <i>The start date shall be the date of receipt of the Notice to Proceed.</i></p>
1.31	The Works consist of <i>consist of construction of building including structural, architectural, electrical and auxiliary, plumbing and sanitary and mechanical w/ fire protection system and other installation works in compliance for the requirement of a healthcare facility building as defined in the Terms of Reference.</i>
2.2	<i>Ground Floor shall be completed within three hundred sixty five (365) c.d. and the 2nd Floor within 182 c.d.</i>
5.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor <i>[insert date]</i> .
6.5	<p>The Contractor shall employ the following Key Personnel:</p> <ul style="list-style-type: none"> • Project manager • Licensed <ol style="list-style-type: none"> 1. Architect 2. Civil/Structural engineer 3. Professional electrical engineer / Electrical engineer 4. Sanitary engineer 5. Mechanical engineer

	<ul style="list-style-type: none"> • Safety officer • Draftsman / Autocad operator • Construction Foreman • Skilled laborers (one or more in each field) • Laborers <p>Security guard</p> <p><i>NOTE: The names of the Key Personnel and their designation shall be filled out by winning contractor prior to contract signing.</i></p>
7.4(c)	<i>Specify additional conditions, if any, that must be met prior to the release of the performance security, otherwise, state “No further instructions.”</i>
7.7	No further instructions.
8.1	No further instructions.
10	The site investigation reports are: Soil test and environmental conditions of site.
12.3	No further instructions.
12.5	<i>In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures: Fifteen (15) years.</i>
13	All partners to the joint venture shall be jointly and severally liable to the Procuring Entity.
18.3(h)(i)	No further instructions.
21.2	<p>The Arbiter is:</p> <p>Maryanne E. R. Darauay</p> <p>Regional Director</p> <p>NEDA</p> <p>Regional Government Center</p> <p>Carig Sur, Tuguegarao City, Cagayan</p>

29.1	No dayworks are applicable to the contract.
31.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within <i>thirty (30) calendar</i> days of delivery of the Notice of Award.
31.3	The period between Program of Work updates is 30 Calendar days. The amount to be withheld for late submission of an updated Program of Work is P100, 000.00.
34.3	The Funding Source is the <i>Government of the Philippines</i> .
39.1	The amount of the advance payment is <i>15% of the Contract Price</i>
40.1	Materials and equipment delivered on the site but not completely put in place shall NOT be included for payment.
51.1	The date by which operating and maintenance manuals required is upon conduction of testing and commissioning. The date by which "as built" drawings are required is 30 Calendar days upon completion and acceptance of the project.
51.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is P100, 000.00.

Section VI. Specifications

TERMS OF REFERENCE

Design & Build Services

Project Title: **Design and Build for the Construction of Diagnostic Building Phase I under the Health Facilities Enhancement Program (HFEP) located at Batanes General Hospital (BGH), Basco, Batanes.**

I. INTRODUCTION

A. Background and Rationale:

Guided by the principles of PHILIPPINE HEALTH AGENDA – UNIVERSAL HEALTH CARE is being pursued to support one of the DOH's strategic approaches to improve the delivery of basic, essential, as well as specialized health services through the rationalization and critical upgrading of health facilities nationwide.

It includes the parallel revitalization of primary health care facilities and the rationalization of the *various levels of hospitals* with the end in view of decongesting end referral hospitals, especially of primary health care delivery and strengthening the capabilities and potentials of these primary health care facilities and consequently improving the accessibility and availability of basic, essential and specialized health care.

B. Objectives

The 2016 Health Facilities Enhancement Programs Upgrading Projects of Hospitals / Health Facilities (BEMONC/CEMONC) will achieve the following major objectives:

1. To upgrade selected Hospitals / Health Facilities as (BEMONC/CEMONC)/ Regional Blood Centers(RBCs)/Specialty Hospitals/Regional Blood Centers (RBC)/Specialty Hospitals; RHU & BHS
2. To upgrade Hospitals / Health Facilities/ Regional Blood Centers (RBCs)/Specialty Hospitals; (BEMONC/CEMONC) RHU & BHS to meet the standards for fire safety and protection;
3. To develop Hospitals / Health Facilities/Regional Blood Centers (RBCs)/Specialty Hospitals/ (BEMONC/CEMONC) RHU & BHS to meet the ever changing and increasing demands of quality health care delivery; and
4. To upgrade Hospitals / Health Facilities/ Regional Blood Centers (RBCs)/Specialty Hospitals/ (BEMONC/CEMONC) DOH Hospitals to fulfill its role as end-referral hospitals especially for maternal and child health care.

II. PROJECT REQUIREMENTS

- ##### **A. Preliminary Information/Studies for Design and Construction (See Attached Annex A, Section VII. Drawings)**

III. PROJECT COMPONENTS

Site and space planning were governed by the standards, rules and regulations on the design of tertiary general hospitals, blood centers, RHU and BHS as prescribed by the Department of Health and other concerned agencies. Building design shall conform to the provisions of the National Building Code of the Philippines (PD 1096), Accessibility Law (BP 344), National Structural Code of the Philippines, Electrical Engineering Law (RA 7920), Mechanical Engineering Law (RA 5336), Plumbing Code (RA 1378, 1993-1994 Revisions), Fire Code (PD 1185) and other laws and regulations covering environmental concerns and local ordinances and regulations.

A. Pre-Detailed Design

1. Engineering Surveys and Investigations

- 1.1 Surveys and investigations of the site includes boundaries of the property, elevations and contours (at 0.5m interval), soil tests, location, dimension, floor elevations and other pertinent data on existing buildings and improvements (roads, parking areas, mature trees) and existing utility lines (e.g. water, power, telephone).
- 1.2 Rapid Structural Assessment of existing buildings to determine their structural integrity and means to retrofit the building if necessary (applicable for repair/renovation)

2. Design Development Drawings

- 2.1 The BGH prepared a floor plan design base on the As – built plan & schematic plan recommended by the DOH RO2.
 - i. Floor plans (As built & proposed plan), 2-sections (Cross & Longitudinal), and 4-elevations (Front, Rear, left & right, including complete space allocation).

B. Detailed Design

- 1. Preparation of the following Detailed Design Drawings (see Detailed Checklist Drawings) based on the Design Development Drawings including any revisions and refinements as approved and required by the DOH:
 - a. Detailed Architectural Plans containing but not limited to the following:
 - ❑ Vicinity Map, Location Plan, Lot Plan, Site Development Plan and Perspective
 - ❑ Floor, Elevations, Sections, Roof, Reflected Ceiling Plans
 - ❑ Detail of special rooms and areas in the form of plan, elevation and section
 - ❑ Schedule of Doors and Windows and other details
 - ❑ Schedule of finishes for floors, walls, ceilings.

- b. Detailed Structural Plans containing but not limited to the following:
 - ❑ Foundation, Floor Framing and Roof Framing Plans
 - ❑ Schedule and Details of Footings and Columns, Beams and Slabs
 - ❑ Detail of Stairs, Ramps, Fire Exits and Other Spot Details
 - ❑ Structural Analysis and Seismic Analysis
 - ❑ Soil Boring Tests Results (as per required: if the building is 3rd floor/9 meters in height)

- c. Detailed Electrical Plans containing but not limited to the following:
 - ❑ Location and Site Plan
 - ❑ Lighting Power and Auxiliary Systems Lay-outs and Riser Diagram
 - ❑ Schedule and Detail of Loads and Other Details
 - ❑ Electrical Computation and Design Analysis

- d. Detailed Storm Drain, Sanitary and Plumbing Plans containing but not limited to the following:
 - ❑ Location and Site Plan
 - ❑ Storm Drainage Layout including tapping line to Main Drainage Line
 - ❑ Waterline Layout including tapping from main water source when applicable
 - ❑ Sewer line Layout tapping line to septic tank or existing sewer line
 - ❑ Isometric Layout showing waterline, drainage line and sewer line
 - ❑ Detail of connections catch basins, downspouts, etc.
 - ❑ Detail of Septic Tank/Sewage Treatment Plan
 - ❑ Design analysis

- e. Structural Computations, including Soil Boring Test Results and Seismic Analysis (If 3rd Floor Building/9 meters in height) and Electrical Design Computations.

- f. General Notes and Technical Specifications describing type and quality of materials and equipment to be used, manner of construction and the general conditions under which the project is to be constructed.

- g. Detailed Bill of Quantities, Cost Estimates including a summary sheet indicating the unit prices of construction materials, labor rates and equipment rentals.
- i. Summary of Works

C. Construction

As a rule, contract implementation guidelines for procurement of infrastructure projects shall comply with Annex “E” of 2016 Revised IRR, RA 9184. The following provisions shall supplement these procedures:

1. No works shall commence unless the contractor has submitted the prescribed documentary requirements and the **DOH** has given written approval. Work execution shall be in accordance with reviewed and approved documents.
2. The contractor shall be responsible for obtaining all necessary information as to risks, contingencies and other circumstances which may affect the works and shall prepare and submit all necessary documents specified by the concerned Building Officials to meet all regulatory approvals as specified in the contract documents.
3. The contractor shall submit a *detailed program of works within thirty (30) calendar days* after the *issuance of the Notice to Commence* for approval by the procuring entity that shall include, among others:
 - a. The order in which it intends to carry out the work including anticipated timing for each stage of design/detailed engineering and construction;
 - b. Periods for review of specific outputs and any other submissions and approvals;
 - c. Sequence of timing for inspection and tests;
 - d. General description of the design and construction methods to be adopted;
 - e. Number and names of personnel to be assigned for each stage of the work;
 - f. List of equipment required on site for each stage of the work; and
 - g. Description of the quality control system to be utilized for the project.
4. Any errors, omissions, inconsistencies, inadequacies or failure submitted by the contractor that do not comply with the requirements shall be rectified, resubmitted and reviewed at the contractor’s cost. If the contractor wishes to modify and design or document which has been previously submitted, reviewed and approved, the contractor shall notify the BGH within a reasonable period of time and shall shoulder the cost of such changes.

5. As a rule, changes in design and construction requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract signing and approval. The following guidelines shall govern approval for change or variation orders:
- a. Change Orders resulting from design errors, omissions or non-conformance with the performance specifications and parameters and the contract documents by the contractor shall be implemented by the contractor at no additional cost to the BGH.
 - b. Provided that the contractor suffers delay and/or incurs costs due to changes or errors in the BGH performance specifications and parameters, the contractor shall be entitled to either one of the following:
 - 1. An extension of time for any such delays under Section 10 of Annex “E” of 2016 Revised IRR (RA 9184); or
 - 2. Payment for such costs as specified in the contract documents, provided, that the cumulative amount of the variation order does not exceed ten percent (10%) of the original project cost.
 - c. The contract documents shall include the manner and schedule of payment specifying the estimated contract amount and installments in which the contract will be paid.
 - d. The contractor shall be entitled to advance payment subject to the provisions of Section 4 of Annex “E”, 2016 Revised IRR (RA 9184).
 - e. The DOH shall define the quality control procedures for the design and construction in accordance with the DOH guidelines and shall issue the proper certificates of acceptance for sections of the works or whole of the works as provided for in the contract documents.
 - f. The contractor shall provide all necessary equipment, personnel, instruments, documents and others to carry out specified tests.
 - g. This design and build projects shall have a minimum Defects Liability Period of one (1) year after contract completion or as provided for in the contract documents. This is without prejudice to the liabilities imposed upon the engineer/architect who drew up the plans and specification for building sanctioned under Section 1723 of the New Civil Code of the Philippines.

- h. The contractor shall be held liable for design, all building accessories and structural defects and/or failure of the completed project within the warranty period of 15 years for permanent structures/buildings as specified in Section 62.2.3.2 of the 2016 Revised IRR (RA 9184).

IV. IMPLEMENTATION ARRANGEMENT

A. Reporting Protocol

- 1.

a. Chief of Hospital III:	Contact Person : JEFFREY ANTONY T. CANCERAN, MD, MHA Batanes General Hospital National Road, Kayhuvokan Basco, Batanes
b. Engineer II:	JOHN ELMER B. ALVISO, EE Batanes General Hospital National Road, Kayhuvokan Basco, Batanes

V. ELIGIBILITY REQUIREMENTS:

A. Basic

- 1. The eligibility requirements for Design and Build Scheme shall comply with the applicable provisions of Sections 23 – 24 of 2016 Revised IRR of RA 9184
- 2. A modified set of requirements integrating eligibility documents and criteria for infrastructure projects and consulting services shall be adopted in accordance with Annex G, 2016 Revised IRR of RA 9184
- 3. The Design Build Contractor must have completed projects in the amount of at least fifty percent (50%) per project item in the last three (3) years and must have the network and resources in place.

B. Specialized

- 1. For the Pre-Detailed Design and Detailed Design portion of the contract, the Bidder is required to hire the minimum number of people as shown below. However, should the Bidder opine that the required number would be insufficient to complete the works/services within the specified time frame, the Bidder can hire additional staff which method deserves to be detailed or explained in the Bidder's Technical

Proposal. Likewise, the Bidder shall remunerate this additional staff all within the Bidder's Financial Proposal.

- a. Project Coordinator (at least one for this project)
 - i. Licensed Architect or Engineer
 - ii. At least 5 years experience in overall project management
 - iii. Superb oral and written communication skills, organization skills and excellent administrative abilities.

- b. Architect (at least one for this project)
 - i. Licensed Architect
 - ii. Preferably at least 5 years experience in hospital and hospital-related projects (Blood Centers, Specialty Clinics, RHU and BHS)
 - iii. Proficient in AutoCAD and other soft wares
 - iv.
- c. Civil/Structural Engineer (at least one for this infrastructure project)
 - i. Licensed Civil Engineer
 - ii. Preferably at least 5 years experience in hospital, blood centers, specialty clinics and hospital-related projects
 - iii. Proficient in AutoCAD, STAAD/ETABS software

- d. Electrical Engineer (at least one for this project)
 - i. Licensed Electrical Engineer preferably Professional Electrical Engineer
 - ii. Preferably at least 5 years experience in hospital and hospital-related projects
 - iii. Proficient in AutoCAD soft ware

- e. Sanitary Engineer (preferably one for this project)
 - i. Licensed Sanitary Engineer
 - ii. Preferably at least 5 years experience in hospital and hospital-related projects
 - iii. Proficient in AutoCAD, EPANET, LOOP Soft wares
- f. Mechanical Engineer
 - i. Licensed Mechanical Engineer
 - ii. Preferably at least 5 years experience in hospital and hospital-related projects
 - iii. Proficient in AutoCAD soft ware

- g. Draftsman/ AutoCAD Operator (preferably one for every engineering work per project)
 - i. At least Bachelor's Degree in Architecture or Engineering
 - ii. Proficient in AutoCAD and Sketch soft wares

The Bidder is required to prioritize the hiring of locally-based architects, engineers and draftsmen especially if such have had experience and training in health facilities projects and design.

(Please refer to the list of architects of the United Architects of the Philippines who were trained in Hospital Planning and Design in 2008 and 2009 through a Memorandum of Undertaking between the DOH and the United Architects of the Philippines)

VI. APPROVED BUDGET COST

The total Approved Budget Cost (ABC) for the Design and Build (D/B) for the Construction of three-Storey Diagnostic Building Phase-1 is Seventeen Million Three Hundred Twenty Thousand Philippine Pesos Only. (PhP17, 320,000.00)

VII. TIME FRAME

The Design and Build Contractor is required to complete the Project within a period as shown below, to start upon the contractor's receipt and signing of Notice to Proceed. The time frame to be followed for the project is as follows:

Design and Construction Schedule:

Months	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Coordination with BGH and Pre-Design Phase including PTC	→																	
Detailed Design (DAED Phase) & Preparation of Program of Works	→	→	→															
Construction Phase				→	→	→	→	→	→	→	→	→	→	→	→	→	→	→

TOTAL CONTRACT TIME:

91 Calendar Days for the Preparation of DAED and POW, 365 Calendar Days for the Construction of Ground Floor and 91 Calendar Days for Second Floor Structure.

VIII. MINIMUM REQUIREMENTS FOR A CONSTRUCTION SAFETY AND HEALTH

A. General Requirements

No Contractor or subcontractor shall require any employee to work in surroundings or under working conditions that are unsanitary, hazardous, or dangerous to his health or safety.

In order to meet this general requirement, the contractor must:

1. Initiate and maintain programs (written or otherwise) to comply with this general requirement.
2. Provide frequent and regular inspections of the job sites by competent persons
 - Competent person means one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to prompt corrective measures to eliminate them.
3. Prohibit the use of any machinery, tool, material, or equipment that is not in compliance with applicable requirements.
4. Permit only those employees adequately trained to operate machinery or equipment.
5. Provide training for all employees in:
 - Recognition and avoidance of unsafe conditions
 - Workplace safety and health requirements
 - Applicable hazards, safe handling, and personal protective equipment necessary for handling poisons, caustics, flammables, and other harmful substances relevant to their job duties.
 - Specific hazards and procedures for entering confined spaces if applicable
6. Provide provisions for medical care and first aid.
7. Develop an effective fire protection and prevention plan.
8. Insure appropriate housekeeping measures including clear walkways and removal of combustible scrap and debris.
9. Require the wearing of appropriate personal protective equipment such as hard hats, safety glasses, steel toe shoes, or other appropriate protective equipment in all operations where there is an exposure to hazardous conditions.

10. Develop an emergency action plan covering designated actions employers and employees must take to ensure employees safety from fire and other emergency.
 - Plan must be in writing for employers with greater than 10 employees
 - All employees must be trained upon initial assignment on the parts of the plan the employee needs to know in the event of an emergency.
11. Provide access to hand washing facilities, toilets, and an adequate supply of drinking water.
12. Provide safety and health signs that are clearly visible to construction workers and public.
13. Conduct regular safety meetings.

SUBJECT : ARCHITECTURAL DESIGN PARAMETERS

I. Codes and Standards

The Architectural Works shall be in accordance with the following Laws, Codes and Standards.

• **Laws and Codes:**

1. National Building Code of the Philippines and its Latest and Amended IRR
2. RA 9266 or Architecture Law and its Latest and Amended IRR
3. RA 4226 or Hospital Licensing Act and its Latest and Amended IRR
4. BP 344 or Accessibility Law and its Latest and Amended IRR
5. AO 35, s. 1994 or AO Pertaining to the Control of Radiation Hazards
6. Fire Code of the Philippines
7. Existing Local Codes and Ordinances.

• **Standards:**

1. Bureau of Product Standards (BPS)
2. Underwriters Laboratory (UL)
3. DOH Technical Guidelines for Hospital & Health Facilities Planning and Design

II. General Drawing Guidelines

1. *General*

- All drawings shall be computer-drafted. Drawings shall be submitted both in printed and electronic copies.
- Keep the same orientation for all plans. The north orientation shall be indicated in all architectural floor plans. The orientation of the architectural plans shall be consistent with all the engineering plans.
- Existing buildings and new works shall be clearly indicated and labeled in the site plans.
- Detailed plans shall have a scale not smaller than 1: 50 meters.
- Spot detailed plans, elevations, and sections shall have a scale not smaller than 1: 10 meters.
- Avoid notes such as 'see architectural detail' or 'see structural'. Always refer with a callout to the specific detail drawing and sheet number.

2. *Site Plans*

- The site plans shall have a scale not smaller than 1: 400 meters.

3. *Floor Plans*

- All plans shall be 1: 100 meters. The same scale shall be used for the rest of the architectural, structural, sanitary, plumbing, electrical and mechanical plans, except for each trade's site plan, detailed plans and spot details.
- Elevation callouts shall be indicated on the floor plans and shall be consistent with the elevation drawing.
- Section line callouts on the floor plans shall be consistent with the section drawing.
- Floor plans shall be indicated with boxed room callout numbers, including the callout for floor finishes and wall finishes.
- Floor elevations shall be indicated in the floor plans. This shall be in reference to the natural grade line or the established finished floor lines of the adjoining existing buildings.
- The location of mechanical equipment, e.g. air conditioning shall be indicated in the floor plans. This shall be consistent with the mechanical and electrical plans.
- Door callouts shall be circles with the proper numbering, e.g. D-01.
- Window callouts shall be hexagons with the proper numbering, e.g. W-01.

4. *Elevations and Sections*

- Finish floor lines and top of slab lines shall be consistent in all the elevations, sections and structural plans and details.

5. *Reflected Ceiling Plans*

- Reflected ceiling plans shall be indicated with boxed room callout numbers, including the callout for ceiling finishes and lighting fixtures.
- Ceiling height relative and in reference to the finish floor line shall be indicated in the reflected ceiling plans in each room with boxed dimensions. This is to ensure that the ceiling heights of all rooms are established whether or not reflected in the sections.
- The description and location of the fixtures, e.g. lighting, smoke detectors, air condition vents, exhaust fans, in the reflected ceiling plans shall be consistent with the electrical and mechanical plans.
- The exterior ceiling materials use spandrel as per specs or equivalent.

6. *Roof Plans*

- Location of all downspouts shall be indicated in the roof plans.

7. *Doors and Windows*

- Door and window schedules shall indicate the type of door or window, the number of sets, the location/s of the door or window, the materials and accessories included and other special specifications, e.g. color or finish.

8. *Details*

- Provide a minimum of one (1) bay section of a scale not smaller than 1: 50 meters for each major building preferably cut along the area with special construction design.
- Provide spot detail plans, elevations and sections of a scale not smaller than 1:10 meters for special designs with aesthetic treatment and ornamentation.
- Provide detail plans of a scale not smaller than 1 : 50 for all areas needing tile pattern, e.g. lobby, corridor, entrance walk, showing the position and pattern of tiles.
- Centerline location of plumbing fixtures shall be indicated in detail plans with lines of reference and its corresponding dimensions. This is to indicate the exact locations of the plumbing/sanitary roughing-ins.

III. **Site Works**

- The Master Site Development Plan shall include the following:
 - a. Contour and survey of the lot, including bearing and distance of the property line
 - b. Road network and curbs and sidewalks
 - c. Parking spaces
 - d. Reference location of existing trees
 - e. Reference location and footprint of existing buildings, with the corresponding building names and dimensions, including distances between adjacent buildings, and distances between buildings and the nearest property line
 - f. Reference location of utilities, e.g. water reservoirs, septic tank, wastewater treatment plant, powerhouse, transformers, waste storage area, security outposts
- Covered walkways shall be provided for access and connection to Service Building.
- Ramps shall be provided in all main entrances of the buildings and other access openings to walkways leading to other buildings.

IV. Building Architectural Works

1. Floor Plans

- The structural, sanitary, plumbing, electrical and mechanical designs are required to refer to the architectural plans and specifications in case of discrepancies. If an engineering design will have any possible conflict or interference on the architectural design, the latter may be adjusted provided that the aesthetic value will not be compromised.
- The architectural and engineering plans shall be consistent all throughout in terms of dimensions and locations of columns, beams, walls, roof line, conduits, ducts, pipes, and fixtures, among others. Column and beam grid lines shall also be consistent in all the architectural and engineering plans.
- Verify and coordinate floor plans with the mechanical, electrical and sanitary design with regard to the requirements for mechanical rooms, AHU rooms, electrical rooms, pipe chase, and other engineering requirements.
- Public toilets shall have provisions and fixtures for persons with disability as required by BP 344. If enough space allows, toilets specially made and designated for persons with disability is preferable.

2. Walls

- Exterior walls shall be 200mm. thick, while interior walls shall be 150mm. thick. This is indicative of the finished wall thickness including the plastering and tile works.
- The walls of the rooms for radioactive equipment shall conform to the requirements of the manufacturer's specifications and as regulated by the Bureau of Health Devices and Technology (BHDT) by virtue of DOH-AO 35, s. 1994 or AO Pertaining to the Control of Radiation Hazards
- Toilet wall and flooring tiles shall be 300mm. X 300mm. as per sample approved.
- Layout and work on wall and floor tiles must be aligned, plumb, level, and square.
- Tile color and design shall be approved first before installation.

3. Floors

- If floor tiles in two adjacent rooms with different material, color or design meet at the door opening, the cut shall be located middle of the

door thickness when in a closed position. Provide details in the floor pattern design.

- Floors at the openings of toilets for persons with disability shall be sloping. Indicate in the plans and sections.
- The size of the toilet floor tiles shall be 300 mm x 300 mm non - skid tiles and shall be indicated in the tile pattern.
- The size of the floor tiles of the offices, hallways and medical rooms shall be 600 mm x 600 mm polished ceramic floor tiles and shall be indicated in the tile pattern.
- The size of the floor tiles of the lobby and corridor shall not be less than 600 mm x 600 mm synthetic granite tiles and shall be indicated in the tile pattern.
- Layout and work on wall and floor tiles must be aligned, plumb, level, and square.
- Tile color and design shall be approved first before installation.

4. *Ceiling Works*

All rooms shall have a minimum ceiling height of 3000mm. to accommodate/provide better natural ventilation

- Ceiling height for areas with special aesthetic treatment, e.g. lobby, major conference room, auditorium, executive office, shall be proportional to the area or room or as required by the designer. However, this shall not be lower than 3000mm. Provide details.
- Ceiling Board shall be PVC acoustic ceiling board on aluminum T-framing system a size of 600mmX600mm.
- Soffit of exterior beams and slabs shall have drip moulds to prevent damage due to water sipping into the eaves or ceiling. Section details shall be required to show the drip mould.

5. *Doors and Windows*

- Main entrance of CT-Scan and X-ray Room shall have leaded stainless metal door (2 panels, double swing type) w/ approved accessories.
- Minor rooms that do not require security shall at least have wood flush doors.
- Toilets and other wet areas shall have flush doors with louver with painted finished.

- Fire escape doors, should be provided with panic hardware and door closers, and shall conform with the requirements of the Fire Code of the Philippines.
- Aluminum frames of glass doors shall be Analok/Powder Coated finished such as main door, offices and conference.
- Door finish and color shall be approved first before application to provide forms for approval of tiles
- Window sills shall be slightly sloped outwards to prevent damage to windows and paint due to water sippage. Section details shall be required to show this slope.
- All doors of a high-occupancy room shall swing outwards and as required by the Fire Code of the Philippines.
- Door jambs with no molding/casing installed on concrete walls shall have construction grooves all around. Provide details.
- All doors and windows shall have reinforced concrete lintel beams. Provide details.

6. Stairs, Ramps and Corridors

- Ramps for persons with disability shall have a slope not higher than 1: 12. Handrails and clearances shall conform with the requirements of BP 344.
- Regular stairs shall have risers at 150mm. high and treads at 300mm. wide. Fire stairs could have a maximum riser at 200mm. and tread at 250mm. Handrails shall be 1100mm. high. Clearances shall conform with the requirements of the Fire Code of the Philippines.
- Corridors shall have a minimum unobstructed width of 2000mm or 2450mm. This shall be measured clear from the surface of the finished wall and not on-center of the rough CHB wall.
- Corridors shall not be areas for temporary or permanent storage of stretchers, wheelchairs, trolleys, food carts, oxygen tanks or other movable hospital equipment. Storage or parking spaces shall be provided for these.
- Corridors and exit doors shall conform with the requirements of the Fire Code of the Philippines.

7. Fixtures and Accessories

- Three-way electrical light switches shall be provided at the foot and the top of the stairs per floor. Likewise, at both ends of a long corridor.

- Electrical light switches shall be located by the knob side of the door.
- Electrical switches and outlets shall be installed plumb and level.
- Public toilets shall always be provided with heavy-duty soap dispensers and electric hand dryers.
- Public toilets shall always be provided with stainless steel handrails in conformity to the requirements of BP 344.
- A drainage line shall be provided for window-type air conditioners. Likewise, split-type air conditioners located in the interior part of the building shall be so located adjacent to areas with drainage lines, e.g. toilets, downspouts, balconies.

8. Roofing Works

- The section of the roof gutters shall be designed, in case of a clogged downspout, so that the overflow of water will be directed outside of the building and not towards the eaves or interior ceiling to prevent any damage. Provide details.
- Avoid valley or inside gutters in roof design. But in cases required in aesthetic design, valley or inside gutters shall be in stainless steel or concrete gutters with membrane-type waterproofing, and the section shall be designed with a capacity for big volume to prevent any damage due to overflow. Provide details.
- Parapets, designed as a roof protection from the winds, must be designed to satisfy the preceding parameters. Provide details.
- The slope of the roof shall not be less than 30 degrees.

9. Painting

- Painted ceiling shall be in flat latex finish, while cornices and mouldings shall be in gloss enamel finish.
- Painted interior wall shall be at least in semi-gloss latex finish for ordinary rooms, e.g. offices, unless specified to a higher type of paint.
- Patient-related rooms, e.g. CT-Scan room, shall be in anti-bacterial and odor-absorbent paint finish.
- Painted exterior wall shall be at least in moisture-resistant/water-repellant solvent-based paint finish, textured or smooth, unless otherwise specified.
- Paint color and shade shall be approved first before application.

V. Specific Requirements

- **Provide spot detail plans and sections of the following:**
 1. Gutter, eaves, and parapet
 2. Ceiling - cove light, special connections and design, mouldings, valances
 3. Stairs - handrail, and rail guard design
 4. Ramps - handrail design and floor pattern
 5. Doors and windows - grille works,
 6. Special Architectural Treatment and Design, e.g. façade design, special window and door
 7. Special Carpentry Works, e.g. cubicle w/ glass, cabinetry
 8. Other details as may be required

- **Provide Room Data Sheets, including detail floor plan, ceiling plan and sections of the following rooms, in coordination with the requirements of the architectural, electrical, sanitary and mechanical designs**
 1. Administrative, Operation and Processing Areas, including panel fixtures and outlets with specific dimensions of the location of fixtures and accessories, and in coordination with the requirements of the electrical and mechanical engineering design.
 2. Toilet details and section, including plumbing fixture and accessory locations and standard height from finish floor line.
 3. PWD details and sections for comfort rooms including handrails, door ramp, standard dimensions and all accessories to comply technical standards.
 4. Electrical room details, sections and dimensions of Panel board, wire gutters, raceways, main control cabinets of telephone system, LAN terminal cabinets, paging system terminal cabinet, fire alarm terminal cabinet w/ complete labels for each system including tapping point of each main supply system.
 5. Mounting details, sections and supports w/ dimension for ceiling concealed pipes fittings and accessories for plumbing and sanitary pipes, electrical and auxiliary pipes, fire sprinkler piping system including tapping point of main supply system.
 6. Mounting details, sections and dimensions of fire hose cabinets, main supply valves, connection of pipes including tapping point of main supply system.
 7. Mounting details, sections and dimensions of electrical/mechanical equipment including exhaust fans, wall mounted electric fans, exit sign

lights, electric hand dryers, wall mounted telephone units, fire alarm bells and manual push button switch, DATA/LAN outlets, paging system speakers and volume control switch, heat and smoke detectors, automatic fire sprinkler heads, wall mounted emergency lights, window and split type air conditioning system w/ support and fabricated outdoor unit protection case including standard pipe drain system.

8. Other system and accessories that requires details and dimensions.

VI. Summary of Materials

- Materials to be used shall be fire-resistant, non-toxic, moisture-resistant and termite-resistant, e.g. fiber cement board, light-gauge steel frame, polyvinyl chloride ceiling panels.
- Wet areas, e.g. toilets, and kitchen shall use non-skid/non-slip vitrified ceramic floor tiles.
- Heavy traffic areas, e.g. lobby, and corridor shall use heavy-duty seamless granite floor tiles or a higher type of floor material.
- Stairs shall use granite tiles with stair nosing non-skid/non-slip floor tiles, materials as specified.

VII. Drawing Requirements: See attached BGH checklist of drawings.

---End of Scheme---

SUBJECT: DESIGN PARAMETERS (STRUCTURAL/CIVIL WORKS)

I. Codes and Standards

The Civil/Structural Design shall be in accordance with the following Codes and Standards

- Codes
 1. National Structural Code of the Philippines (NSCP) 2001
 2. National Building Code of the Philippines and its revised IRR
 3. Accessibility Law
 4. Local Codes and Ordinances
- Standards
 1. Bureau of Product Standards (BPS)
 2. Philippine National Standards (PNS)
 3. DPWH Blue Book
 4. American Concrete Institute (ACI)
 5. American Society for Testing Materials (ASTM)
 6. American Welding Society (AWS)

II. Buildings

1. The Building should be designed using seismic importance factor of 1.25 for immediate occupancy category. Buildings should be designed in accordance with NSCP Requirements up to Magnitude 8.5 for those near seismic source Type A. Seismic gaps between buildings (old and new) should be properly observed.
2. The Building should be designed also using wind importance factor of 1.15.
3. Ramps should be provided, instead of steps, for any change in elevations.
4. The structural designer should verify with Philippine Volcanology and Seismology (PHIVOLCS) the distance of the proposed building to nearest active fault lines and with the DENR for geo-hazard mapping.
5. Soil investigation (at least three bore holes) should be conducted to determine soil bearing capacity and recommended foundation design.
6. The structural designer is encouraged to use fire-resistive and non-toxic materials.

III. Details – the following shall be provided:

1. Connection details of beams and columns following the requirements of NSCP on confined areas.
2. Splicing details of reinforcing bars on columns and beams and the required bar cut-off point

IV. Summary of Materials

1. Concrete shall conform to ASTM Specification C150, Type I to Type II
2. Coarse Aggregates shall consist of washed gravel, crushed stone or rock or a combination thereof conforming to ASTM C33
3. Concrete Hollow Blocks shall be a standard product of recognized manufacturer conforming to PNS 16 with at least 350psi strength.
4. Reinforcing Bars shall conform with PNS Grade 60 for 16mm dia. and above and PNS Grade 40 for 12mm dia and below.
5. Structural steel shall conform with ASTM A36/A6M
6. Welding electrodes shall be E60 or E 70 and conform with AWS D.1.1

V. Drawing Requirements: See attached checklist

SUBJECT : SANITARY/PLUMBING DESIGN PARAMETERS

I. Codes and Standards

The Sanitary/Plumbing Design shall be in accordance with the following Codes and Standards.

- **Codes:**
 1. National Building Code of the Philippines and Its New IRR
 2. Fire Code of the Philippines
 3. National Plumbing Code of the Philippines (NPCP)
 4. Sanitation Code of the Philippines
 5. Existing Local Codes and Ordinances.
- **Standards:**
 1. Bureau of Product Standards (BPS)
 2. Philippine National Standards for Drinking-Water
 3. Underwriters Laboratory (UL)
 4. DOH National \ Laboratory (NRL)
 5. DOH Health Care Waste Management Manual
 6. National Water Resources Board (NWRB)
 7. National Plumbers Association of the Philippines (NAMPAP)
 8. Philippine Society of Sanitary Engineers, Inc. (PSSE)

II. Site Works

- Based on the Master Site Development of the Hospital, the Site Works shall provide complete layout of the following:
 1. Storm Drainage Network, indicating Drainage Manholes and Pipe Culvert;
 2. Sewerage Pipe Network, indicating Sewage Manholes, and Sewage pipes; and
 3. Water Supply Network, indicating the location of Water Service entrance, Cisterns, Elevated Water Tank and proposed Pump House.
- The Storm Drainage Network shall accommodate the magnitude of peak rates of surface run-off including drainage coming from the buildings. The system shall be capable of handling the design flows routing to the designated outfall; For rainfall calculation and sizing of drainage pipes, refer to Table-D2, Appendix-D, National Plumbing Code of the Philippines and current rainfall record from PAGASA.
- The Sewerage Pipe Network design shall accommodate all sewage coming from all the facilities, conveyed by gravitational flow leading to the proposed Sewage Treatment Plant;
Per capita wastewater demand: 100-130 gal/capita/day per bed

- The Water Supply Network shall include the provision of Fire Hydrants, accessible Drinking Fountain that will serve as testing point for safe and potable water supply;
Per capita water demand: 130-150 gal/capita/day per bed

III. Building Facilities Sanitary/Plumbing System

1. Sewerline and Vent System
 - Provide complete Sewerline and Vent System from all (Domestic) plumbing fixtures and floor drains, laid by gravity flow leading to the Sewage Treatment Plant (STP);
 - For Demand Weight of Fixtures in Fixture Units; refer to Appendix A, Table A-2, NPCP
2. Waterline System
 - Provide complete cold water supply pipes to all plumbing fixtures. From the main water source, the water shall be pumped to the Elevated Water Tank (EWT) and conveyed to the fixtures by gravity system and or distributed to fixtures by transfer pumped with constant pressure through a Pneumatic Storage Tank, whichever is feasible.
3. Storm Drainage System
 - Complete Storm Drainage System shall be provided for all roofs, canopies, concrete ledges and balconies including condensate drains laid for gravity flow connected to a leader/pipe line leading to the natural ground level storm drainage network.

IV. Summary of Materials

- Sewer and Vent pipes; Polyvinyl Chloride (PVC) extra series 1000 (Conforming to ISO 3633 ASTM D2729 including Trims and Fittings)
- Storm Drainage pipes; Downspouts, Polyvinyl Chloride (PVC) extra series 1000 (Conforming to ISO 3633 ASTM D2729 including Trims and Fittings, BPS Certified)
- Drainage Pipes; 250mm dia. and below, Non-Reinforced Concrete Pipe (NRCDP) 300mm dia. and above, Reinforced Concrete Pipe (RCDP)
- Drainage Manholes; Street Inlet, Curb Inlet, Traffic Type Reinforced Concrete Area drain/Catch Basin, Reinforced Load Bearing CHB
- Sewage Manholes; Traffic Type Reinforced Concrete with Standard Steel Brass Cover

- Wastewater pipeline; Extra Heavy (XH) Single Hub, Hubless Cast Iron Pipes and Fittings (CIP) conforming to ASTM Standard 888
- Cleanouts; Polyvinyl Chloride (PVC) with counter sunk plug (BPS Certified)
- Floor Drains/Deck Drains; Stainless Steel (BPS Certified)
- Gutter Drains; Polyvinyl Chloride (PVC) (BPS Certified)
- Cold Waterline pipes; for buildings, Unplasticized Polyvinyl Chloride (uPVC) Pipes including Trims and Fittings (BPS Certified)
- Plumbing Fixtures including Trims, Fittings and accessories; (BPS Certified)
 - a) Water Closet-Tank Type push button flush
 - b) Lavatory- (Pedestal/Counter Type) with C-spout spray faucet
 - c) Kitchen Sink-Ga#16 Stainless Steel seamless bowl with gooseneck faucet

V. Drawing Requirements: See attached DOH checklist standards based on Revised IRR of the National Building Code of the Philippines (PD 1096)

---End of Scheme---

SUBJECT : MECHANICAL WORKS DESIGN PARAMETERS

I. Codes and Standards

The Mechanical Design shall be in accordance with the following Codes and Standards.

- **Codes:**
 1. National Building Code of the Philippines and Its New IRR
 2. Fire Code of the Philippines
 3. Mechanical Engineering Code of the Philippines (ME Code)
 4. Existing Local Government Codes and Ordinances.
- **Standards:**
 1. Bureau of Product Standards (BPS)
 2. Philippine National Standards (PNS)
 3. Underwriters Laboratory (UL) and Factory Mutual (FM)
 4. International Electrotechnical Commission (IEC) 1988
 5. National Fire Protection Association (NFPA)
 6. National Fire Protection Association (NFPA) 99 Standard for Health Care Facilities.
 7. American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE).
 8. Center for Disease Control and Prevention (CDC) Manual.

II. Automatic Fire Sprinkler System

The automatic fire sprinkler system shall be composed of complete plans and drawings of the following:

1. Site Development Plan and Vicinity Map, indicating the location of the buildings, firewater reserve tank, firewater line, yard loop and private fire hydrant.
2. General Notes, Legends and Symbols including Schematic Diagram of the Fire Sprinkler System and Schematic Diagram of Alarm Monitoring System.
3. Floor Layout and Isometric Layout of the Automatic Fire Sprinkler System indicating pipe sizes and the location of the pipes, valves, sprinkler heads, riser nipples, fire hose cabinets, sprinkler main riser, drain pipes, cross mains, branchlines, inspector's test connections, hangers and sway braces.
4. Equipment Schedule, Detail drawings, fire pump and jockey pump layout.
5. Architectural, Structural, Electrical and Plumbing drawings of the Firewater tank and Pump house.
 - An automatic fire sprinkler shall be provided.
 - Hazard Classification shall be Light Hazard Occupancy.
 - Area of coverage shall be 146 square meters and water density shall be 4.07 lps/sq. m.
 - Protection area per sprinkler head shall be 20 square meters at 2.2 meters minimum distance between sprinklers and 4.2 meters maximum spacing.

- All floor control valves shall be equipped with supervisory switch, water flow detector and drain system.
- Hydraulic calculations report shall be based on NPFA-13 format.

III. Ventilation and Air Conditioning System

The ventilation and air conditioning system shall be composed of complete plans and drawings of the following:

1. General Notes, Legends and Symbols including Schematic Diagram of the Ventilation and Air Conditioning System.
2. Floor Layout of the Ventilation and Air Conditioning System indicating the capacity and location of the air conditioners and fans.
3. Duct layout indicating duct sizes, route and location of the dampers, diffusers, return air register, hangers and sway braces.
4. Refrigerant piping layout indicating pipe sizes, location of valves, hangers and sway braces.
5. Equipment Schedule and Details drawings of Air Conditioners and Ventilating System.
 - Air conditioning system shall be provided in all patient's private rooms, radiologic and imaging area, operating rooms, delivery rooms, laboratories, critical care areas, offices and other areas where conditioned air is necessary.
 - Cooling Load calculations report shall be manual or computer generated, hourly analysis program which includes heat transmission coefficients, solar heat gain factors and corrected cooling load temperature difference calculations.
 - Split type air conditioners will be used at areas with larger capacities.
 - Window type air conditioners shall be used in areas with exterior wall exposure.
 - Design of all critical areas shall be laminar or positive pressure, wherein the supply air is 10% more than exhaust air.
 - Ceiling cassette type exhaust fans with integral air diffuser shall be provided in all toilets.
 - Ceiling fans, orbit type with 360° oscillation shall be provided in all non air conditioned rooms.

IV. Summary of Materials

1. AUTOMATIC FIRE SPRINKLER SYSTEM

- a. Sprinkler head shall be UL Listed/FM Approved, pendant, upright or sidewall unit, 83 LPM flow capacity per head and temperature fusing at 57.5° C to 74°C.
- b. The alarm assembly shall be UL Listed/FM Approved, constructed and installed that any flow of water from the sprinkler system equal to or greater than that from the single automatic head shall result in an audible and visual signed in the vicinity of the building.

- c. Alarm and supervision system of the automatic water sprinkler shall include the monitoring water flow switch at each floor of the building, fire pump and jockey pump running condition and power supplies, level of water in the reservoir and control valves.
- d. Pipes shall be B.I. Schedule 40. Screw fittings shall be used for inside piping.

V. Drawing Requirements: See attached DOH Standard Checklists based on Revised IRR of the National Building Code of the Philippines (PD 1096)

---End of Scheme---

SUBJECT: ELECTRICAL DESIGN PARAMETERS

I. Codes and Standards

The Electrical System Design Parameters shall be in accordance with the following Codes and Standards.

- **Codes:**
 1. Philippine Electrical Code
 2. National Electrical Code
 3. Fire Code of the Philippines
 4. National Building Code of the Philippines and Its New IRR
 5. Existing Local Codes and Ordinances
- **Standards:**
 1. Bureau of Product Standards (BPS)
 2. Underwriters Laboratory (UL)
 3. National Fire Protection Association
 4. International Electrotechnical Commission (IEC)
 5. Illumination Engineering Society (IES)
 6. National Electrical Manufacturer's Association (NEMA)
 7. DOH Manual on Technical Guidelines for Hospital and Health Facilities Planning and Design

II. Site Works

Based on the Master Site Development of the Hospital, the Site Works shall provide complete Electrical layout of the following:

1. Substation/Power House to the new proposed structures.
2. KVA rating and other specifications of Transformer.
3. Switchgear requirements
4. Panelboard Layout
5. Electrical Metering Devices
6. Service Conductors and Conduit Layout
7. Grounding System
8. Emergency Standby Generators
9. Street and Perimeter Lighting System

III. Building Facilities Electrical System

1. Lighting System
 - Provide and install adequate normal branch circuits for Lighting System to all areas using the standard Lighting Design Analysis. Utilize the standard Illumination requirements per area of concern using the preferred particular type of luminaires.
2. Power System
 - Provide and install adequate normal branch circuits for the Power System.
3. Standby/Emergency System

- Provide and install adequate life safety and critical emergency branch circuits for lighting or utilization equipment connected to the alternate power source.
4. Auxiliary System
 - Provide and install the following Auxiliary System:
 - a) Communication System
 - Telephone System
 - Local Area Network System
 - Public Address Paging System
 - b) Fire Alarm System
 2. Lightning Protection System
 - The building lightning protection system shall include roof-mounted air terminals grounding conductors, ground rods, conduits, clamps, and auxiliary equipment as required for a complete and operational lightning protection system.

V. Provide Details of the following:

1. Lighting Fixtures/Luminaires
2. Panelboard and Circuit Breakers
3. Switchgear and other Metering Devices
4. Electrical and Hospital Equipment
5. Installation and Termination of Auxiliary and other Special Devices and Equipment
6. Power and Telephone Handholes (as may be required)
7. Pedestal and Service Entrance to Bldg.
8. Grounding System Layout
9. Substation/Power House and Electrical Room
10. Transformer Mounting (If Required)
11. Others as may be required.

V. Summary of Materials

1. General Lighting Luminaires: Fixtures type shall be as indicated on the Lighting Layout Plan.
 - Lighting Fixtures shall be T8 LED type on flush mounted casing w/ reflectorized aluminum louver and LED bulb type for Pin lights.
 - LED Lighting lights shall be cool or warm white and lampholders shall be made of thermosetting plastic.
 - Fluorescent Fixture housing shall be steel sheet powder coat paint finish with high reflectance aluminum louver and reflector.
 - LED T8 Lights and LED light bulbs for, medical, office hallways, C.R.'s, utility and electrical rooms.
 - Downlights and Pinlights shall be of heavy gauge spun aluminum equipped with lamp as indicated on the drawings.
 - Pinlight for all rooms.

- Other Special Lighting requirements shall be as approved by the implementing agency.
- 2.Wiring Devices: Wiring devices shall be non-automatic control devices, the contact is guaranteed by the pressure of the special spiral springs.
- Switches shall be of 15A, 250V or 300V except as otherwise noted and approved. Terminals shall be screw-type or quick-connected type.
 - General use receptacle shall be 15A, 240V grounding type unless otherwise indicated on the drawings.
 - Special purpose receptacles shall be as called for on the drawings. Matching plugs shall be supplied.
- 3.Panelboards and Circuit Breakers: The Panelboard and Circuit Breakers shall be equipped with molded-case circuit breakers and shall be the type as indicated in the panelboard schedule and details.
- Provide molded-case circuit breakers of frame, trip rating and interrupting capacity as shown on the drawings. The circuit breakers shall be quick-make, quick break, thermal-magnetic, trip-indicating and shall have common trip on all multiple breakers with internal trip mechanism.
 - All current-carrying parts of the panelboards shall be plated. Provide solid neutral (S/N) assembly when required. The assembly shall be isolated from the enclosure.
- 4.Electrical Conduits, Boxes and Fittings: All conduits, boxes and fittings shall be standard rigid steel, zinc coated or galvanized.
- Rigid Steel Conduits (RSC)
 - Rigid Metal Conduits (RMC)
 - Intermediate Metal Conduits (IMC)
 - Electrical Metallic Tubing (EMT)
 - Unplasticized Polyvinyl Chloride (uPVC) if required shall be schedule 40.
- 5.Conductors: Wires and cables shall be of the approved type and unless specified or indicated otherwise, all power and lighting conductors shall be insulated for 600 volts.
- The conductors used in the wiring system shall be of soft-annealed copper having a conductivity of not less than 98% of that of pure copper and insulated for 60 °C Temperatures.
 - All conduits of convenience outlets and wireways for lighting branch circuit homeruns shall be wired with a minimum of 3.5 mm square in size.
- 6.Structured Cabling & Telephone System:
- A minimum provision for estimated 500 mixed PABX extension and direct telephone lines shall be required for tertiary hospitals.
 - Final details of the system shall follow specific requirements, quantity and type of service.
- 7.Fire Detection and Alarm System:

- The Fire Detection and Alarm System shall be of multiplex, microprocessor-controlled addressable or zonal conventional fire detection, alarm and communication system.
- The system shall consist of full integration automatic fire detection, voice alarm communication and fire fighters telephone system.
- The system shall consist of control station, mimic panel initiating and indicating devices, control modules and system of wirings.
- Actuation of the protective signaling system shall occur by manual pull station, automatic smoke or heat detector, sprinkler flow switch and tamper switch.
- The system shall be able to monitors the status of flow switches and supervisory switches installed at the Sprinkler System risers. These monitoring points are also addressable or the conventional zonal in the same way as the detectors are making them easily recognizable at the control panel.
- Occupant notification shall be accomplished automatically. Notification will be general, audible alarm type complying with appropriate section of NFPA.
- The system shall be installed with provisions for future connection to the nearest fire services station in the locality.

VI. Drawing Requirements: See attached DOH Standard Checklists based on Revised IRR of the National Building Code of the Philippines (PD 1096)

---End of Scheme---

Checklist of Drawing Requirements in the preparation/evaluation/approval of
Detailed Architectural and Engineering Plans and other Documents for Infrastructure
Project Implementation

Reference: Revised Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096)

Project :

Location :

SHEET NUMBER	SHEET CONTENTS	REMARKS*
	ARCHITECTURAL DRAWINGS (as applicable)	
A – 1 (a...n)	Perspective, Site Development Plan, Vicinity Map/Location Plan (2.00 Kms. Radius) Table of Contents	
A – 2 (a...n)	Floor Plans (scale 1:100m minimum) including furniture layout when necessary	
A – 3 (a...n)	Four (4) Elevations (scale 1:100m minimum)	
A – 4 (a...n)	Two (2) Sections (scale 1:100m minimum) including spot details when necessary	
A – 5 (a...n)	Roof Plan/s showing downspouts (scale 1:100m minimum), including detail of gutter, downspout, etc.	
A – 6 (a...n)	Reflected ceiling plan/s (scale 1:100m minimum), including details	
A – 7 (a...n)	Details of Stairs, fire escapes/exits, accessible ramps, etc. (scale 1:50m), including details of railings, treads, risers, etc., in the form of plans, elevation/section	
A – 8 (a...n)	Details of Toilets (1:50 m) including accessible toilets in the form of plans, elevation/section	
A – 9 (a...n)	Details of specialized design features (scale 1:50 m) such as partitions, cabinets, etc. and accessible design features	
A – 10 (a...n)	Detail of typical bay section from ground to roof (scale 1:50 m)	
A – 11 (a...n)	Details of special rooms (1:50 m) in the form of plans, elevations/section	
A – 12 (a...n)	Schedule of doors, gates, emergency exits, etc. (scale 1:50 m), including specifications for materials and hardware	
A – 13 (a...n)	Schedule of windows (scale 1:50 m), including specifications for materials and hardware	
A – 14 (a...n)	Schedule of finishes for interior and exterior floors, walls, ceilings	
	Architectural Technical Specifications	
	Architectural Scope of Works	

Architectural Bill of Quantities	
<p>* <i>To be marked as either Complying or Non Complying/Complete or Incomplete by the evaluator or to be filled with supporting comments (use additional sheets if necessary)</i></p> <p>Evaluated by: _____</p>	

Checklist of Drawing Requirements in the preparation/evaluation/approval of
Detailed Architectural and Engineering Plans and other Documents for Infrastructure
Project Implementation

Reference: Revised Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096)

Project : _____

Location : _____

SHEET NUMBER	SHEET CONTENTS	REMARKS*
	ARCHITECTURAL INTERIOR DESIGN DRAWINGS (as applicable)	
AID – 1 (a...n)	Floor Plans showing layout of floor finishes (scale 1:100m minimum)	
AID – 2 (a...n)	Floor Plans showing layout of furniture/finishing partitions, cabinets, etc. (scale 1:100m minimum)	
AID – 3 (a...n)	Interior Elevations and Sections showing wall patterns, ceiling sections, etc. (scale 1:100m minimum)	
AID – 4 (a...n)	Details of Partitions, Cabinets, Furniture, Ceiling and other Interior Design Features (scale 1:100m minimum)	
AID – 5 (a...n)	Architectural Interior Perspective/s	
	Architectural Interior Design Technical Specifications	
	Architectural Interior Design Scope of Works	
	Architectural Interior Design Bill of Quantities	
<p>* <i>To be marked as either Complying or Non Complying/Complete or Incomplete by the evaluator or to be filled with supporting comments (use additional sheets if necessary)</i></p> <p>Evaluated by: _____</p>		

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Checklist of Drawing Requirements in the preparation/evaluation/approval of Detailed Architectural and Engineering Plans and other Documents for Infrastructure Project Implementation

Reference: Revised Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096)

Project : _____

Location : _____

SHEET NUMBER	SHEET CONTENTS	REMARKS*
	STRUCTURAL DRAWINGS (as applicable)	
S – 1 (a...n)	General Notes and Construction Standards	
S – 2 (a...n)	Site Development Plan	
S – 3 (a...n)	Foundation Plan/s (scale 1:100m minimum)	
S – 4 (a...n)	Floor Framing Plan/s (scale 1:100m minimum)	
S – 5 (a...n)	Roof Framing Plan (scale 1:100m minimum)	
S – 6 (a...n)	Schedule and Detail of Footings and Columns	
S – 7 (a...n)	Schedule and Detail of Beams and Floor Slabs	
S – 8 (a...n)	Detail of Trusses	
S – 9 (a...n)	Details of Stairs, Ramps, Fire Exits	
S – 10 (a...n)	Other Spot details	
	Structural Analysis and Design (for 2 storey building and higher)	
	Boring and Land Test Results (for 3 storey building and higher)	
	Seismic Analysis	
	Structural Technical Specifications	
	Structural Scope of Works	
	Structural Bill of Quantities	
<p><i>* To be marked as either Complying or Non Complying/Complete or Incomplete by the evaluator or to be filled with supporting comments (use additional sheets if necessary)</i></p> <p>Evaluated by: _____</p>		

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Checklist of Drawing Requirements in the preparation/evaluation/approval of Detailed Architectural and Engineering Plans and other Documents for Infrastructure Project Implementation

Reference: Revised Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096)

Project :

Location :

SHEET NUMBER	SHEET CONTENTS	REMARKS*
	ELECTRICAL DRAWINGS (as applicable)	
E – 1 (a...n)	General Notes and Legends	
E – 2 (a...n)	Location and Site Plan	
E – 3 (a...n)	Lighting Layout (scale 1:100m minimum) including details	
E – 4 (a...n)	Power Layout (scale 1:100m minimum) including details	
E – 5 (a...n)	Auxiliary System Layout (scale 1:100m minimum) including details	
E – 6 (a...n)	Schedule and Detail of Loads	
E – 7 (a...n)	Riser Diagram	
E – 8 (a...n)	Other Detail	
	Electrical Computation	
	Design Analysis	
	Electrical Technical Specifications	
	Electrical Scope of Works	
	Electrical Bill of Quantities	
<p><i>* To be marked as either Complying or Non Complying/Complete or Incomplete by the evaluator or to be filled with supporting comments (use additional sheets if necessary)</i></p> <p>Evaluated by: _____</p>		

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AUXILIARY SYSTEM INCLUDES THE FF:

1. Telephone System
2. Paging System
3. DATA/LAN System
4. Fire Alarm System

Checklist of Drawing Requirements in the preparation/evaluation/approval of Detailed
Architectural and Engineering Plans and other Documents for Infrastructure Project
Implementation

Reference: Revised Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096)

Project : _____

Location : _____

SHEET NUMBER	SHEET CONTENTS	REMARKS*
	PLUMBING/SANITARY DRAWINGS (as applicable)	
P – 1 (a...n)	General Notes and Legends	
P – 2 (a...n)	Location and Site Plan	
P – 3 (a...n)	Storm Drainage Layout (scale 1:100m minimum) including actual length of tapping line to Main Drainage Line	
P – 4 (a...n)	Waterline Layout (scale 1:100m minimum) including actual length of tapping line from main water source when applicable	
P – 5 (a...n)	Sewerline Layout (scale 1:100m minimum) including actual length of tapping line to septic tank or existing sewerline	
P – 6 (a...n)	Isometric Layout, showing waterline, sewerline and drainage line	
P – 7 (a...n)	Detail of connections, catch basins, downspouts, etc.	
P – 8 (a...n)	Detail of Septic Tank/Sewer Treatment Plant main pipe connections.	
Design Analysis		
Sanitary Technical Specifications		
Sanitary Scope of Works		
Sanitary Bill of Quantities		
<p>* To be marked as either Complying or Non Complying/Complete or Incomplete by the evaluator or to be filled with supporting comments (use additional sheets if necessary)</p>		
<p>Evaluated by: _____</p>		

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Checklist of Drawing Requirements in the preparation/evaluation/approval of Detailed Architectural and Engineering Plans and other Documents for Infrastructure Project Implementation

Reference: Revised Implementing Rules and Regulations of the National Building Code of the Philippines (PD 1096)

Project :

Location :

SHEET NUMBER	SHEET CONTENTS	REMARKS*
	MECHANICAL DRAWINGS (as applicable)	
M – 1 (a...n)	General Notes and Legends, Site Development Plan, Location Plans	
M – 2 (a...n)	Floor Plans/Isometric Drawings (scale 1:100m minimum) showing Ventilation and Air Conditioning Systems and other installations	
M – 3 (a...n)	Floor Plans/Isometric Drawings (scale 1:100m minimum) of Medical Gaspipeline System and Details	
M – 4 (a...n)	Floor Plans/Isometric Drawings (scale 1:100m minimum) of Air-conditioning Systems and Details	
M – 5 (a...n)	Floor Plans/Isometric Drawings (scale 1:100m minimum) of Fire Suppression Systems, fire sprinkler system, wet stand pipe, dry standpipe and other installation	
M – 6 (a...n)	Details Water Tank, Flow Diagram (scale 1:50m)	
M – 7 (a...n)	Details of Firewater Supply Sytem (scale 1:50m)	
M – 8 (a...n)	Detail of Other Machinery/Equipment (scale 1:50)	
M – 9 (a...n)	Longitudinal and Transverse Section of Building (scale 1:100m) showing manner of support of machines/equipment	
Mechanical Technical Specifications		
Mechanical Scope of Works		
Mechanical Bill of Quantities		
<p><i>* To be marked as either Complying or Non Complying/Complete or Incomplete by the evaluator or to be filled with supporting comments (use additional sheets if necessary)</i></p>		
<p>Evaluated by: _____</p>		

ANNEX A

Name of Project : *See attached list of Projects provided in the ITB*

Location : **Batanes General Hospital, Basco, Batanes**

Project Title : **Design and Build for the Construction of Diagnostic Building Phase I under the Health Facilities Enhancement Program (HFEP) located at Batanes General Hospital, Basco, Batanes.**

Project Description : The project consists of Design and Construction of Diagnostic Building Phase I under the Health Facilities Enhancement Program (HFEP).

Project Concept :

Location within the hospital : *See attached Site Development Plan*

Indicative Floor Area : *see drawings*

Number of stories : Three (3)-Storey

Design Objectives : This project design aims to provide standard requirements of healthcare buildings to support the delivery of services for hospital operations..

Design Considerations:

1. Materials: Use of quality low maintenance building finishes particularly those that are durable, non slippery, washable, non-corrosive, sound absorbent, non toxic, fire resistive, acid-resistant, non mercury and anti static.
2. Accessibility: Conformance with the requirements of the Accessibility Law.
3. Environment: Application of design features that contribute to a healing ambience-quiet, regular, comfortable, non stressful, green, maximizing natural light and ventilation.
4. Safety and Security: Provision of architecture and engineering design solutions, details ornaments, appurtenances etc. that will keep patients, staff, and visitors protected from hazards and lower risks which they may encounter in a hospital setting.

Approved Budget Cost : ***Php 17,320,000.00***

Contact Persons

Chief of Hospital III : **JEFFREY ANTONY T. CANCERAN, MD, MHA**
Batanes General Hospital
National Road, Kayhuvokan
Basco, Batanes

Engineer II : **JOHN ELMER B. ALVISO, EE**
Batanes General Hospital
National Road, Kayhuvokan
Basco, Batanes

Notes to Prospective Bidders:

1. All **BIDDERS** are required to register at www.philgeps.net as “Supplier” and/or kindly add your company to Document Request List (DRL) if already registered. The contract reference no. is _____.
2. The **PROCURING ENTITY** already provided sample forms for the **BIDDERS** to **completely & properly** accomplish the eligibility requirements listed in the checklist.
3. The **BIDDER** must provide **Table of Contents** for their documents following the sequence as stated in the Checklist of Technical & Financial Requirements.
4. The **BIDDER** must put **tabbings per title page** in their documents (e.g. DTI Registration, Mayor’s Permit, and so on).
5. The **BIDDER** should submit bind documents only. Use of fasteners is not allowed.
6. The **BIDDER** or **BIDDER’s authorized representative** must initial every page of the documents submit as original and photocopied.
7. The **BIDDER** must submit their eligibility requirements in a sealed envelope with **one (1) original** and **two (2) photocopies** to the BAC *on or before the deadline specified in the ITB*.
8. All envelope shall: *(see example below)*
 - contain the name of the contract to be bid in capital letters;
 - bear the name and address of the Bidder in capital letters;
 - be addressed to the **PROCURING ENTITY’s BAC**;
 - bear the specific identification of this project indicated in the ITB Clause 10.1; and
 - bear a warning “**DO NOT OPEN BEFORE...**” the date and time for the opening of bids indicated in accordance with ITB Clause 21.

<p style="text-align: center;"><u>Design and Build for the Construction of Diagnostic Building Phase I under the Health Facilities Enhancement Program (HFEP)</u></p> <p style="text-align: center;">PROJECT OF BATANES GENERAL HOSPITAL</p> <p style="text-align: center;">ORIGINAL</p> <p style="text-align: center;"><u>(NAME OF BIDDER)</u></p> <p style="text-align: center;"><u>(ADDRESS OF BIDDER)</u></p> <p style="text-align: center;">_____</p> <p style="text-align: center;">MR. RICARDO V. NUNEZ CHAIRPERSON BIDS and AWARD COMMITTEE Batanes General Hospital Bids and Award Committee (BAC) National Road, Kayhuvokan Basco, Batanes</p> <p style="text-align: center;">DO NOT OPEN BEFORE: _____</p>

Project : Proposed Construction of 3-Storey Diagnostic Building (Phase-I)
Location: Basco, Batanes
Subject : Approved Budget for the Contract (ABC)

1. Design & Estimate of proposed 3-storey Diagnostic Building ---**519,600.00**

2. Building Construction:

Architectural	-----	4,940,200.00
Structural	-----	4,833,720.00
Electrical	-----	3,053,480.00

Fully furnished Ground Floor and construction up to Second Floor.

Including:

- Columns, Beams, 2nd Floor Roof Slab, Walls, Electrical & Auxiliary System Roughing-in Including Main Feeder Pipes to 3rd Floor, Plumbing & Sanitary Roughing-in Including Main Pipes Supplying 3rd Floor, 1st to 2nd Floor Fire Exit Stair, Partial Ventilation and Air-conditioning Roughing-in, Fire Sprinkler System Main Piping Including Supply Pipes to 3rd Floor.

Less: **3rd Floor Structure**

2nd Floor

- Floor to 3rd Floor Stair
- Floor Plastering
- Floor Electrical & Auxiliary Wire
- Floor Covered Hallway
- Floor Tile Works
- Floor Doors & Window
- Ceiling Works
- Painting Works
- Carpentry Works
- Cubicle System
- Fire Protection System
- Ventilation and Air-conditioning
- Electrical Fixtures & Devices
- Auxiliary Devices, smoke detector, annunciator, fire alarm bell, fire alarm manual-push button, fire alarm control panel, Paging system.
- Sanitary Fixtures & Accessories

PROJECT: PROPOSED CONSTRUCTION OF THREE-STOREY DIAGNOSTIC BUILDING (PHASE-1)

LOCATION: BATANES GENERAL HOSPITAL

BASCO, BATANES

SUBJECT: SCOPE OF WORKS

I. GENERAL REQUIREMENTS

- a. Scope of Works
 - 1. Preparation, submission and approval (w/ sign & seal of trade professionals) of complete building project detailed architectural & engineering design (DAED), detailed estimates and program of works.
 - 2. Furnish all materials, tools, equipment, labor including the satisfactory performance of all work necessary for the Construction of the Building Project up to second floor less interconnecting hallway of Diagnostic Building & Service Building.
- b. Workmanship
 - 1. Skilled and competent workers who regularly engage or specialize in the type of work specified shall do the work.
 - 2. Workmanship at all phases of work shall be of the very best of trade.
- c. Inspection of Site
 - 1. Inspect site premises and all its conditions. Consider all conditions that may directly or indirectly affect work.
 - 2. Measure any existing work and verify all given dimensions.
- d. Protection of Work and Property
 - 1. Provide watchmen to guard the site and its premises throughout the duration of the project including during work suspension and time extensions.
 - 2. Provide perimeter fencing and complete warning signs for construction site.
 - 3. Replace work damaged by failure to provide protections, without cost to the Owner.
- e. Safety Requirements
 - 1. Enforce standard safety procedures throughout the contract period.
 - 2. Workers must be in proper safety attire/uniform for the duration of the project.
 - 3. First aid kits must be available at the site at all times.
- f. Project Coordination and Supervision
 - 1. The Contractor is responsible in coordinating the various parts of the trades of work including approved sub-contracted work.
 - 2. The Contractor must employ competent professionals (Registered Civil, Electrical, Sanitary, Mechanical Engineer and Architect) to oversee the daily construction work progress.
- g. General requirements
 - 1. The Contractor is responsible in acquiring building permit and other permits & licenses required in the construction.
 - 2. The Contractor is responsible in facilitating its own temporary water and power source.

- h. Submittals
 - 1.A list of materials and finishes sample for submittal will be provided.
 - 2.Provide schedule of submittals for approval of Architect/Engineer-In-Charge.
 - 3.Submit for approval for the following:
 - 3.1 Materials for testing
 - 3.2 Shop drawings for all work requiring fabrication.
 - 3.3 Mock-up of fabricated items
 - 3.4 Material/finishing sample so specified with corresponding information as to the color, size, make and other pertinent data as outlined in the Technical Specifications. Materials/Finishes not approved should not be installed
 - 4.Secure from Architect/Engineer-in-Charge the following clearances prior to commencing requisite work:
 - 4.1 Column/Footing layout clearance
 - 4.2 Wall layout clearance
 - 4.3 Ceiling Closure clearance
 - 4.4 Painting coat clearance
 - 4.5 Other clearances and requirements which may be deemed necessary
- i. Close-out
 - 1.Submit as-built plans signed and sealed by the concerned trade professionals in one (1) set reproducible copy and three (3) sets blueprinted copies including complete set of soft copy (AutoCAD file)
 - 2.Leave premises clean, neat and orderly. Remove stains, spots, blemishes and other dirt from the finished work.

II.DEMOLITION, CLEARING, EARTHWORKS AND SOIL POISONING

- 1. Demolish existing X-Ray Building.
- 2. Clear, grub and remove obstructions at the construction site.
- 3. Backfill using excavated soil after concreting of foundation and first lift of column.
- 4. Provide gravel bedding on all footing and footing tie beams.
- 5. Haul and dispose of unnecessary materials and debris at site.
- 6. Provide soil poisoning prior to laying of footings and concreting of slab on-fill.
- 7. Relocate and restore utilities affected by the construction.

III. LAYOUT, MARKINGS AND ELEVATIONS

- 1. Indicate layout of columns, pedestals and walls; and establish floor elevations with corresponding markings for approval by the Architect/Engineer-In-Charge before any permanent structure is constructed

IV. CONCRETE AND MASONRY WORKS

1. Concreting works covers the footing, footing tie beams, columns and roof beams, slab on-fill.
2. Provide necessary reinforcing steel bars as per plans and specifications.
3. Provide protruding rebars at least 30cm for masonry walls on all columns where masonry wall is to be constructed.
4. Provide necessary formworks and scaffoldings.
5. Follow required concrete cover and spacing of ties and stirrups.
6. Construct 100mm interior and 150mm for exterior CHB walls as indicated on plans with standard reinforcement.
7. In case of unfinished portion of room/area, footing tie beams shall be constructed w/ anticipated span of beam length divide by four (4).
8. Follow plans and specifications to complete this item of works.

V. METALS

Architectural Steel Works

1. Provide stainless steel railing and handrail at fire exit stairs. Ensure seamless connection at joints. Buff finish.
2. Provide stainless steel structural framing system of fire exit stair, steps frame and supports.
3. Main post supports shall be 4" diameter G.I. pipe, schedule 40.

VI. THERMAL AND MOISTURE PROTECTION

1. Apply elastomeric membrane waterproofing to all second floor toilets and slabs. Allow 100mm extension to wall.

VII. DOORS AND WINDOWS

1. Provide doors and windows with complete accessories as provided for in the Schedule of Doors and Windows.
All locksets shall be lever type, stainless. Door closers shall be heavy duty for fire exit doors and doors 950mm wide and above; and medium duty for the rest.
All doors and jamb must be leveled with at most 3mm tolerance along hinged side and 1.5mm for the other three sides for all door types.
Provide interior and exterior seals around frames connected to wall.
2. Provide mock-up samples for approval prior to fabrication and installation.

VIII. FINISHES

1. Provide 600x600mm premium polished ceramic tile at areas as designated in the plans. Gap tolerance not to exceed 2mm. Apply floor pattern.
2. Provide 300x300 premium ceramic tile at areas designated on plan. Gap tolerance not exceed 5mm. Apply grout sealant.
3. Provide 200x200 premium ceramic tile at areas designated on plan. Gap tolerance not exceed 5mm. Apply grout sealant.
4. Provide synthetic stone at all counter tops.
5. Provide 150mm CHB exterior walls plaster finished and grooved (where indicated) complete with standard vertical and horizontal reinforcements, full cell fill and mortar.

6. Provide 100mm CHB interior walls plaster finished and grooved (where indicated) complete with standard vertical and horizontal reinforcements, full cell fill and mortar.
7. Provide 200x300 glazed ceramic tiles with colored grouting at all public, patient and staff toilets.
8. Provide doors complete with hardware and accessories (door indicator lock, door handle and fiberglass support for individual stalls and urinals), Towel holders and dextrose hooks for all 5 units C.R. at ground floor.
9. Provide 3.0mm PVC acoustic board on light aluminum frame ceiling. Construct per manufacturer's specifications.
10. All ground floor C.R. are PWD compliant (railings, door ramp & accessories)

IX. CARPENTRY WORKS

1. Provide cabinets, under the counter and above the counter as designated in the plans with complete accessories as to complete this item of work. All handles shall be satin finish. Cabinet hinges and locks shall be heavy duty.
2. Provide and install cubicle with glass at radiologist reading area with shelves and cabinets including accessories to complete the item work.
3. Provide 20mm x 125mm decorative baseboard on all rooms/areas and hallway except comfort rooms. include finishing accessories.

X. TIME OF COMPLETION

The construction shall be completed in:

NINETY-ONE (91) CALENDAR DAYS FOR PREPARATION OF DAED AND POW,
THREE HUNDRED SIXTY-FIVE (365) CALENDAR DAYS FOR THE
CONSTRUCTION OF GROUND FLOOR AND NINETY-ONE (91) CALENDAR DAYS
FOR SECOND FLOOR STRUCTURE

PROJECT: PROPOSED CONSTRUCTION OF THREE-STOREY DIAGNOSTIC BUILDING (PHASE-1)

LOCATION: BATANES GENERAL HOSPITAL

BASCO, BATANES

SUBJECT: SCOPE OF WORKS

=====

The work under this Contract shall consist of the furnishing of all materials, labor, tools and equipment and the satisfactory performance of all works necessary to complete the project "PROPOSED CONSTRUCTION OF THREE-STOREY DIAGNOSTIC BUILDING (PHASE-1)" ready for use and legal occupancy with strict conformity to the issued plans, specifications and other related contract documents. The principal items of work are enumerated below:

I. ELECTRICAL & AUXILIARY SYSTEM PLANS AND SPECIFICATIONS SIGN AND SEALED BY PROFESSIONAL ELECTRICAL ENGINEER INCLUDING PREPARATION OF DETAILED ESTIMATES.

II. ELECTRICAL WORKS

1. Furnish and Installation of the following:
 - a. Lighting System
 - b. Power and Auxiliary System
 - c. Wiring Devices
 - d. Roughing-In
 - e. Wires and Cables
 - f. Panelboards and Circuit Breakers
 - g. Grounding System
 - h. Miscellaneous
2. Provide and install main normal and emergency electrical system to the new 3 storey bldg. as indicated in the electrical plans & Detailed Estimate.
3. Provide and install all termination of electrical and auxiliary system at the designated electrical rooms.
4. All works herein shall be directed and supervised by a duly Registered Electrical Engineer as enforced by the New Electrical Engineering Law or R.A.7920. He shall be on site to oversee the proper implementation of the project.
5. Provide and install directories to all panelboards. Check and balance all power and lighting loads as to their respective circuit breaker assignments as indicated in the load schedule.
6. Provide main feeder roughing-in to 3rd floor for future electrical & auxiliary connections.
7. Follow as per plan and the specifications and the scope of work to complete the project and render it to be operational.

8. Furnish and install other supporting materials and equipment deemed necessary to complete the project.
9. Provide required and necessary documents such as Insulation Test to all wires and cables installed, as-built electrical plans and other as may be needed prior to testing and commissioning.
10. Submit testing and commissioning certificate to the end-user.

A. Verification of Existing Condition

The Contractor/Electrical Engineer in charge of the project shall EXAMINE THE SITE, VERIFY & INVESTIGATE THE EXISTING CONDITIONS that may affect the work during construction.

B. Permits and Approval

The CONTRACTOR shall obtain at his own expense all permits required by the Government Authorities. Work shall not be started unless the plans have been approved by said authorities and a valid approved building permit has been issued. Likewise, the CONTRACTOR shall secure from the utility power company (BatanElCo) their approval of the plans prior to start and completion of the work. In case of separate and new connection to (BatanElCo) utility company.

All work done in violation of the above conditions shall be at the risk of subsequent rejection. The replacement or correction of such rejected work shall be the sole responsibility of the CONTRACTOR.

The CONTRACTOR shall obtain all necessary allowances, pay all royalties and the like, in connection with the use of any patented devices or systems and save the OWNER from any claim or lawsuit arising from such use.

C. Intent of the Contractor Documents

The Engineering documents are complementary and what is called for one shall be as binding as if called for by all. The intent of the plans and technical specifications is to prescribe a complete work, which the Contractor shall undertake to do in full compliance with the Approved Documents. The Contractor shall perform all items of work covered and stipulated in the technical specifications on the issued plans.

It is not intended that the drawing shall show every details of all such items whether mentioned or not in the specifications shown or not in the plans. Such items shall be furnished and installed if necessary to complete the items of work.

D. Safety Measures

It is the Contractor's responsibility to take extra precautions in the process of implementing the project. As a matter of policy, the Engineer is required to install warning signs for the safety of the general public. The concerned Contractor will be held personally liable for any accidents that may occur during the execution of the project.

E. Other Works

1. Cleaning and Hauling Debris
2. All demolished/removed materials that are still usable will not be allowed to be used and shall be properly stocked, inventoried and turned over in writing to the owner/end-user.
3. The Contractor shall take due care to protect existing structures which will be affected and unaffected by the work to be implemented.
4. The Contractor shall at all-time keep the premises free from the accumulation of waste or rubbish, caused by his subordinates or work. Upon completion of each item of work, they shall remove all rubbish materials from and within the site including all his tools, scaffoldings and surplus materials. The Contractor shall leave his work "Broomed and Cleaned".
5. The contractor shall request in writing to the owner for temporary tapping of electrical power in case of emergency power required during construction.

III. MECHANICAL WORKS

A. Ventilation and Air Conditioning

1. Provide all materials, equipment and perform all work necessary for the complete execution of the ventilation and air conditioning system as shown on the drawings, as herein specified or both, except as otherwise excluded, and which without excluding the generality of the foregoing principal items of work.
2. Supply and installation of air conditioning units.
3. Supply and installation of exhaust fans and supply air fans complete with air ducts, air diffuser, hangers and brackets.
4. Provision of a complete electric power supply, instrumentation and control system. Provide a complete electrical power supply system from the existing panel board to ACCU, FCU exhaust fans, hand dryers and supply air fans. Conduits shall be made of rigid steel or EMT. Plastic or PVC is **NOT** acceptable.
5. Provision of mild steel painted finish pedestal and / or hangers for all window air conditioners, FCU, ACCU, exhaust fans and supply air fans.

6. Leak test, test run and painting / color coding of the installed ventilation and air conditioning system.
7. Provide water drain pipes to all aircon units.
8. Anything that has been omitted in any items of works or materials usually furnished, which are necessary for the completion of the Mechanical work as outlined herein before.

B. Fire Protection

1. Furnish and install automatic sprinkler system as indicated in the drawings.
2. Provide all materials, equipment and perform all work necessary for the complete execution of the automatic sprinkler system as shown on the drawings, as herein specified or both, except as otherwise excluded, and which without excluding the generality of the foregoing principal items of work.
3. Provide main supply pipes to 3rd floor to anticipate future construction activity.

IV. TIME OF COMPLETION

The construction shall be completed in:

NINETY-ONE (91) CALENDAR DAYS FOR THE PREPARATION OF DAED AND POW, THREE HUNDRED SIXTY-FIVE (365) CALENDAR DAYS FOR THE CONSTRUCTION OF GROUND FLOOR AND NINETY-ONE (91) CALENDAR DAYS FOR SECOND FLOOR STRUCTURE

**PROJECT: PROPOSED CONSTRUCTION OF THREE-STOREY DIAGNOSTIC
BUILDING OF BATANESGENERALHOSPITAL (PHASE-1)**

LOCATION: BATANESGENERALHOSPITAL

BASCO, BATANES

SUBJECT: SUMMARY OF WORKS

GENERAL NOTES

Furnish all Engineering design, detailed estimates (with sign and seal of trade professional), labor, materials, equipment, tools and other facilities to complete the entire works including Architectural, Structural, Sanitary and Electrical and render ready in accordance with the plans, specifications and other related documents.

Plumbing Works

I- Plumbing Works:

- a) Provide and install all new Plumbing Fixtures (BPS Approved) as indicated in the plan (up to second floor only) complete with trims, fittings and accessories as per manufacturer's standards;
- b) Provide hose bib at the perimeter of the building tapped to nearest water supply.
- c) Provide necessary cleats, brackets and anchors as needed.
- d) Provide washing faucet to all water closet as per manufacturer's standard.

II – Water line System:

- a) Provide complete potable water supply pipes and fittings (white) to all faucets and showers (up to second floor only).
- b) Tap to elevated tank connected to the existing cistern tank. Verify actual Location.
- c) Provide separate water supply pipes and fittings (green) for non-potable water to all water closets (up to second floor only).
- d) Tap to elevated water tank connected to the existing cistern tank.
- e) Provide Air Cap Chamber for every supply pipe of fixtures.
- f) Install control/isolation valves for every group of fixtures as indicated.
- g) Install main water supply line for 3rd floor both potable and non-potable to anticipate water supply line system of third floor.

III – Sewer line System:

- a) Provide complete sewer line and vent system to all plumbing fixtures including trims and fittings (up to second floor only);
- b) Provide vent cap to all vent stacks installed/recessed at walls or below ceiling eaves;
- c) Tap the sewer line to the main soil pipe branch per floor as indicated in the plan (up to second floor only).
- d) All floor drains shall have p-trap and waterless trap.

- e) Provide pipe hangers and brackets as needed.
- f) Connect the sewer line pipes of water closet to existing septic tank including the two units C.R. from laundry to dietary with all pipe, fittings and accessories.
- g) Connect sewer pipe lines of all floor drains, lavatory drains of C.R. to main sewer pipe of sewage treatment plant.

IV – Storm Drainage System:

- a) Provide complete storm drainage system to include gutter strainers, Downspouts, catch basins and concrete drainage pipes.
- b) Maintain minimum slope of 2% of pipe laying.
- c) Provide necessary pipe hangers and brackets.
- d) Provide complete drainage system of admin quadrangle tap to drainage line to creek (10" PVC pipe or concrete pipe with clean out).
- e) Tap the drainage line to creek.

V – Others:

- a) Provide and install face mirror for every lavatory with installation accessories.
- b) Provide and install soap holder for every toilet.
- c) Provide towel hangers and dextrose hooks for all toilet with installation accessories.
- d) Provide and install tissue paper holder for every water closet.
- e) Testing and commissioning with the presence of DOH/BGH representative and the owner is a must prior to concealing of rough-ins.
- f) All sanitary works shall be performed to the fullest satisfaction of the Sanitary Engineer in-charge and to the owner.
- g) Submit Test Results Certificates, e.g. Leak Test, prior to acceptance of the project.
- h) Submit As-built plans signed and sealed by a duly Registered Sanitary Engineer.
- i) All C.R. shall be PWD compliant. (Refer to standard requirements of PWD toilet)

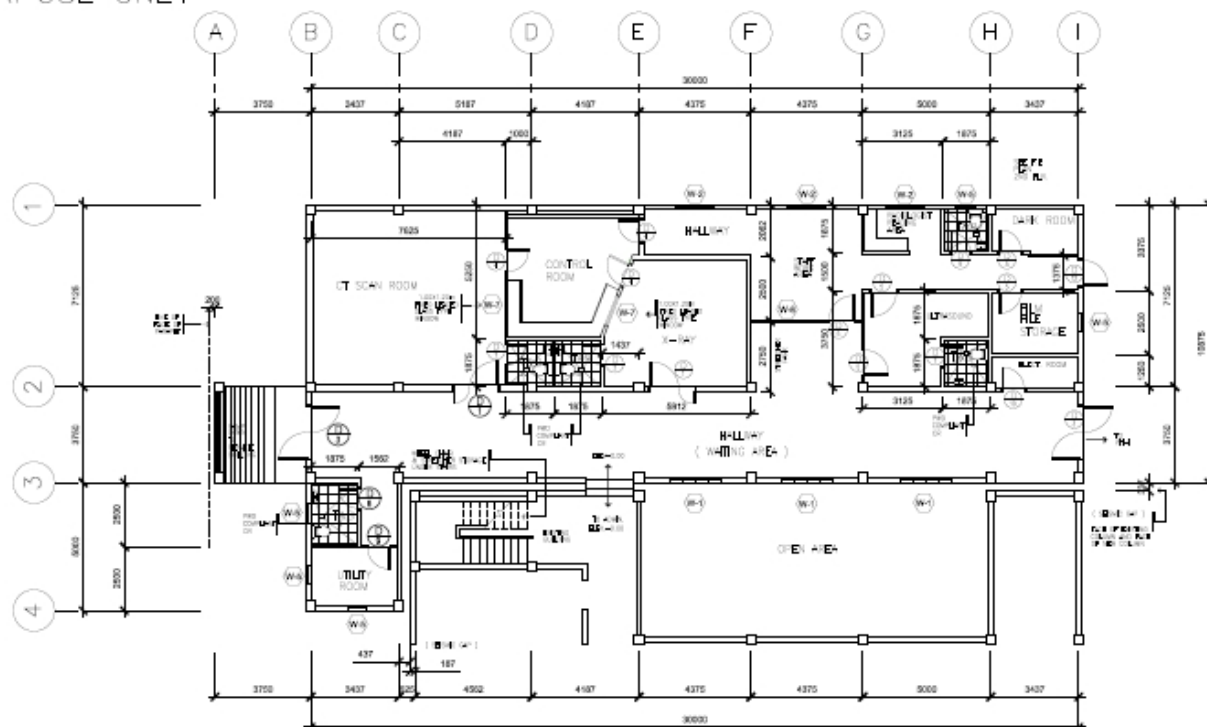
VI. TIME OF COMPLETION

The construction shall be completed in:

NINETY-ONE (91) CALENDAR DAYS FOR THE PREPARATION OF DAED AND POW, THREE HUNDRED SIXTY-FIVE (365) CALENDAR DAYS FOR CONSTRUCTION OF GROUND FLOOR AND NINETY-ONE (91) CALENDAR DAYS FOR SECOND FLOOR STRUCTURE

Section VII. Drawings

"FOR BIDDING PURPOSE ONLY"



PROPOSED: GROUND FLOOR PLAN SCHEMATIC PLAN OF DIAGNOSTIC BLDG.



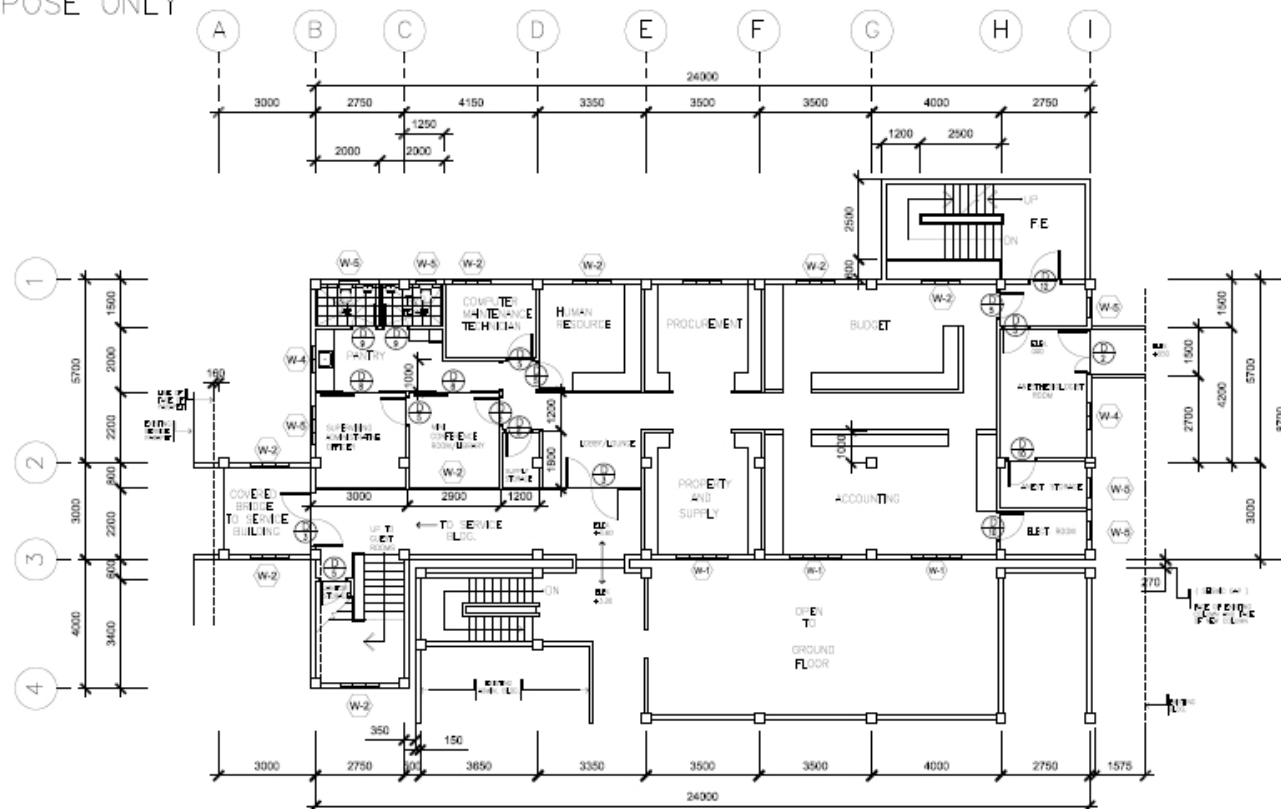
APPROX. SCALE

1 : 100 METERS



PREPARED	PROJECT	SHEET CONTENTS	NOTED	REVIEWED	RECOMMENDING APPROVAL	APPROVED	SHEET NO.
JOHN OLIVER D. ALVISO ENGINEER II BATANES GENERAL HOSPITAL	PROPOSED CONST. OF 3- STOREY DIAGNOSTIC BUILDING 10042355 BASCO, BATANES	GROUND FLOOR PLAN (SCHEMATIC PLAN)	RICARDO V. NUNEZ ADMINISTRATIVE OFFICER IV BATANES GENERAL HOSPITAL	VICTORINO F. MANINGAS ENGINEER II (CIVIL) DOH REGIONAL OFFICE 02	JEFFREY ANTONY T. CANCELAN, MD, MHA CHIEF OF HOSPITAL II BATANES GENERAL HOSPITAL	WALIBIANO JESUS V. LOPEZ, MD, MPH, MHA, CHSD IV DIRECTOR IV DOH REGIONAL OFFICE 02	A4

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PROPOSE: SECOND FLOOR PLAN SCHEMATIC PLAN OF DIAGNOSTIC BLDG.



APPROX. SCALE

1 : 100 METERS



PREPARED	PROJECT	SHEET CONTENTS	NOTED	REVIEWED	RECOMMENDING APPROVAL	APPROVED	SHEET NO.
 Republic of the Philippines DEPARTMENT OF HEALTH BATANES GENERAL HOSPITAL National Rd., Tuguegarao Batanes, Batanes	PROPOSED CONST. OF 3- STOREY DIAGNOSTIC BUILDING LOCATION BASCO, BATANES	SECOND FLOOR PLAN (SCHEMATIC PLAN)	RICARDO V. NUNEZ ADMINISTRATIVE OFFICER V BATANES GENERAL HOSPITAL	VICTORINO F. MANINGAS ENGINEER II (PROV.) DOH REGIONAL OFFICE 02	JEFFREY ANTONY T. GANDERAN, MD, MHA CHIEF OF HOSPITAL II BATANES GENERAL HOSPITAL	VALERIANO JESUS V. LOPEZ, MD, MPH, MHA, CKS8 IV DIRECTOR IV DOH REGIONAL OFFICE 02	A4 TO: C. 0000 DATE: 0000

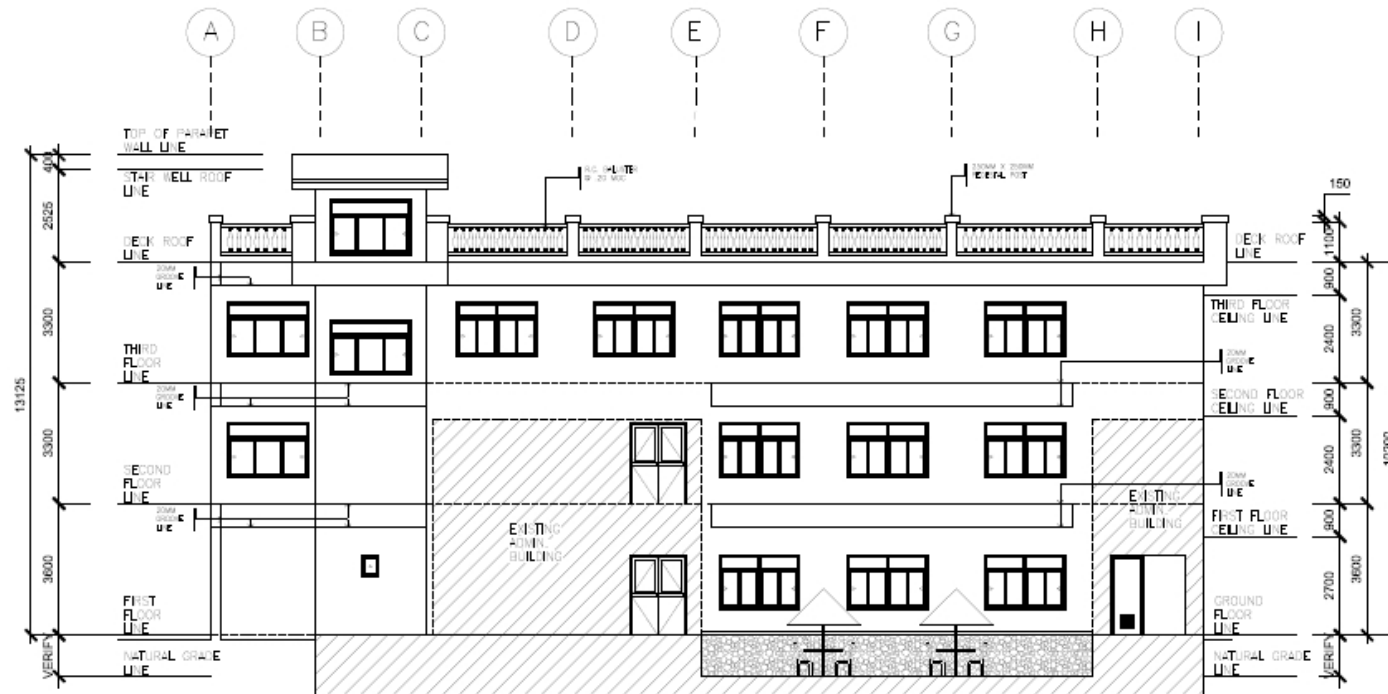
Architectural floor plan of the 3rd floor of the University of Lagos Library. The plan shows a large central CONFERENCE HALL (3000 x 7125) and a smaller STAFF HALL (1200 x 7125). Other rooms include a REST ROOM, TOILET, and a CONVEYOR BELT TO 1ST FLOOR BUILDING. The plan is divided into sections A through I and 1 through 10. Dimensions are provided for all major sections. A north arrow is located in the top right corner.

1 : 100 METERS



 <p>Republic of the Philippines DEPARTMENT OF HEALTH BATANES GENERAL HOSPITAL National Rd., Bay, Balabac Bato, Batanes</p>	<p>RECEIVED</p> <p>PROJECT</p> <p>SHEET CONTENTS</p> <p>NOTES</p> <p>REVIEWED</p> <p>RECOMMENDING APPROVAL</p> <p>APPROVED</p> <p>SHEET NO.</p>	<p>PROPOSED CONST. OF 3-STOREY DIAGNOSTIC BUILDING</p>	<p>THIRD FLOOR PLAN (ORTHOGONAL PLAN)</p>	<p>RICARDO V. NUNEZ ADMINISTRATIVE OFFICER V BATANES REGIONAL HOSPITAL</p>	<p>VICTORINO F. MANINGAS CHIEF OF HOSPITAL DOH REGIONAL OFFICE 02</p>	<p>JEFFREY ANTONY T. GARCERAN, MD, MBA DEPUTY CHIEF OF HOSPITAL BATANES GENERAL HOSPITAL</p>	<p>VALERIANO JESUS V. LOPEZ, MD, MPH, MBA DIRECTOR V DOH REGIONAL OFFICE 02</p>	<p>A3</p>
		<p>10030201</p>						
		<p>BASCO, BATANES</p>						
		<p>JOHN ELMER B. ALVISO ENGINEER I BATANES GENERAL HOSPITAL</p>						

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PROPOSED: FRONT ELEVATION SCHEMATIC PLAN OF DIAGNOSTIC BLDG.



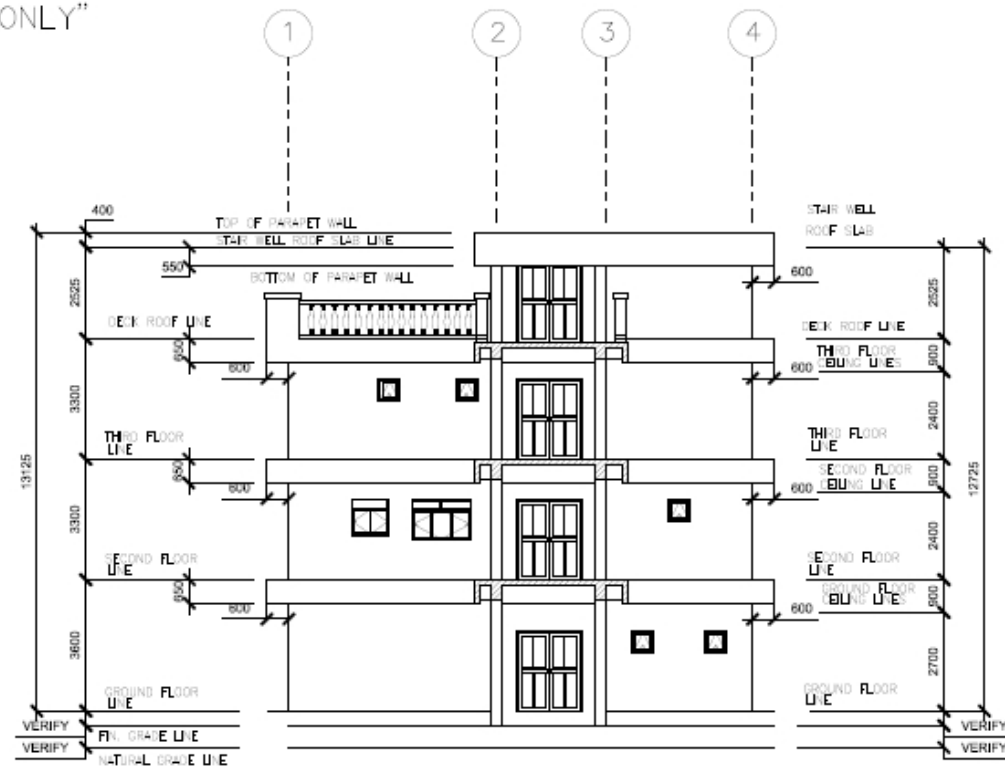
APPROX. SCALE

1 : 100 METERS



PREPARED	PROJECT	SHEET CONTENTS	NOTED	REVIEWED	RECOMMENDING APPROVAL	APPROVED	SHEET NO.
 Republic of the Philippines DEPARTMENT OF HEALTH BATANES GENERAL HOSPITAL National Rd., Baybay Division Batanes, Philippines	PROPOSED CONST. OF 3- STOREY DIAGNOSTIC BUILDING LOCATION: BASCO, BATANES	FRONT ELEVATION (SCHEMATIC PLAN)	RICARDO V. NUNEZ ADMINISTRATIVE OFFICER V BATANES GENERAL HOSPITAL	VICTORINO F. NAMINGAS ENGINEER II (PROV) DOH REGIONAL OFFICE II	JEFFREY ANTHONY T. GANDARRAL, MD, MHA CHIEF OF HOSPITAL II BATANES GENERAL HOSPITAL	VALERIANO JESUS V. LOPEZ, MD, MPH, MHA, CEMO IV DIRECTOR IV DOH REGIONAL OFFICE II	A4 T/C: 088-4 C/E: 4403
JOHN ELMER B. ALVINO ENGINEER I BATANES GENERAL HOSPITAL							

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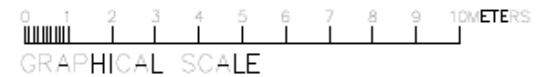


PROPOSED: LEFT SIDE ELEVATION SCHEMATIC PLAN OF DIAGNOSTIC BLDG.



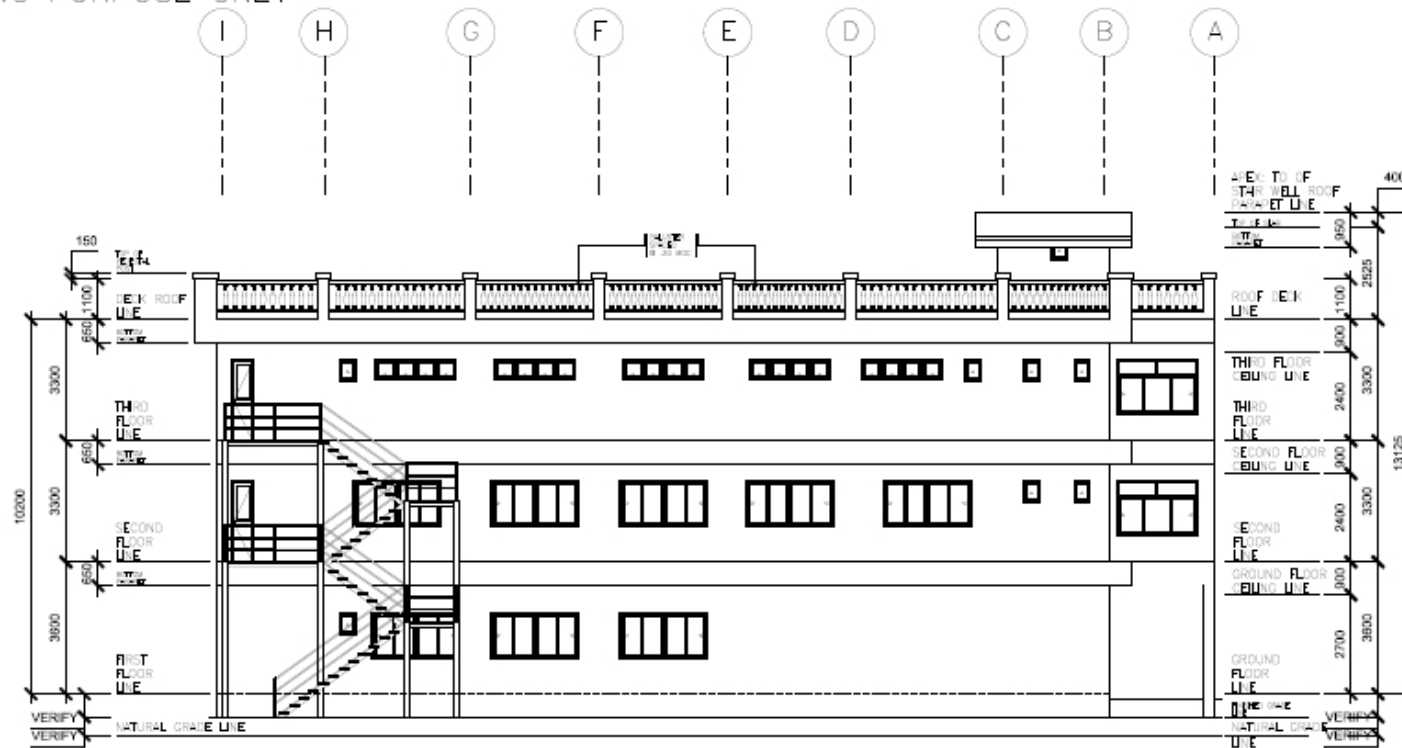
APPROX. SCALE

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DESIGNED	PROJECT	SHEET CONTENTS	NOTES	REVIEWED	RECOMMENDING APPROVAL	APPROVED	SHEET NO.
JOHN ELMER B. ALVISO ENGINEER II BATANES GENERAL HOSPITAL	PROPOSED CONST. OF 3- STOREY DIAGNOSTIC BUILDING LOCATIONS BAGUIO, BATANES	LEFT SIDE ELEVATION (SCHEMATIC PLAN)	RICARDO V. NUNEZ ADMINISTRATIVE OFFICER IV BATANES GENERAL HOSPITAL	VICTORINO F. MANINGAS ENGINEER II (PROVIDED) DOH REGIONAL OFFICE II	JEFFREY ANTONY T. CANCEMIAN, MD, MHA CHIEF OF HOSPITAL II BATANES GENERAL HOSPITAL	VALERIANO JESUS V. LOPEZ, MD, MPH, MHA, CDRP IN DIRECTOR IV DOH REGIONAL OFFICE II	A4

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PROPOSED: REAR ELEVATION SCHEMATIC PLAN OF DIAGNOSTIC BLDG.



APPROX. SCALE

1 : 100 METERS




DESIGNED	PROJECT	SHEET CONTENTS	NOTES	REVIEWED	RECOMMENDING APPROVAL	APPROVED	SHEET NO.
JOHN OLIVER B. ALVISO ENGINEER I BATANES GENERAL HOSPITAL	PROPOSED CONST. OF 3- STOREY DIAGNOSTIC BUILDING LOCATED BASCO, BATANES	REAR ELEVATION (SCHEMATIC PLAN)	RICARDO V. NUNEZ ADMINISTRATIVE OFFICER V BATANES GENERAL HOSPITAL	VICTORINO F. MANINGAS ENGINEER II / ROWD DOH REGIONAL OFFICE 02	JEFFREY ANTONY T. CANCHUAN, MD, MHA CHIEF OF HOSPITAL II BATANES GENERAL HOSPITAL	VALERIANO JESUS V. LOPEZ, MD, MPH, MHA, CRMO IV DIRECTOR IV DOH REGIONAL OFFICE 02	A4

Architectural floor plan of the 10000 building. The plan shows a large rectangular structure with a central corridor and various rooms. Key features include:

- Levels:** Ground Floor, Second Floor, Third Floor, and Roof Deck.
- Dimensions:**
 - Overall width: 10000
 - Overall depth: 5827
 - Ground Floor: 1543
 - Second Floor: 4714
 - Third Floor: 4714
 - Roof Deck: 3827
- Structural Elements:**
 - Columns: 4, 3, 2, 1 (marked with dashed lines).
 - Beams: 1000, 857, 214.
 - Stairs: Located on the right side of the plan.
 - Roof Deck: 1000, 857, 214.
- Other Labels:**
 - TOP OF RETAIL POST
 - TOP OF RAILING
 - DECK ROOF LINE
 - BOTTOM OF PARAPET
 - FINISHED GRADE LINE
 - NATURAL GRADE LINE

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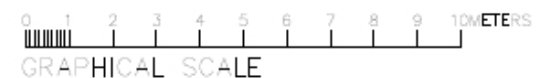


 <p> Republic of the Philippines DEPARTMENT OF HEALTH BATANES GENERAL HOSPITAL National Rd., Baybay, Batanes Batanes, Philippines </p>	PREPARED BY JOHN ELMER B. ALVISO ENGINEER II BATANES GENERAL HOSPITAL	PROJECT PROPOSED CONST. OF 3-STOREY DIAGNOSTIC BUILDING LOCATION BAYBAY, BATANES	SHEET CONTENTS RIGHT SIDE P. PLAN (DIAGNOSTIC PLW)	NOTED RICARDO V. NUNEZ ADMINISTRATIVE OFFICER IV BATANES GENERAL HOSPITAL	REVIEWED VICTORINO F. MANNINGAS CHIEF OF HOSPITAL & DOH REGIONAL OFFICE-10	RECOMMENDING APPROVAL JEFFREY ANTONY T. CANCELLAN, MD, MHA DEPUTY CHIEF OF HOSPITAL & BATANES GENERAL HOSPITAL	APPROVED VALERIANO JESUS V. LOPEZ, MD, MPH, MHA CERO IV DEPUTY CHIEF OF HOSPITAL & DOH REGIONAL OFFICE-10	SHEET NO. A4
								

A B C D E F G H I



1 : 100 METERS



 <p>Republic of the Philippines DEPARTMENT OF HEALTH BATANES GENERAL HOSPITAL National Hq., Dr. Reyes Building Manila, Philippines</p>	PREPARED JOHN ELMER B. ALVISO ENGINEER I BATANES GENERAL HOSPITAL	PROJECT	SHEET CONTENTS	NOTED	REVIEWED	RECOMMENDING APPROVAL	APPROVED	SHEET NO.
		PROPOSED CONST. OF 3-STOREY DIAGNOSTIC BUILDING	ROOF DRAIN PLAN (SYNCHRONIC PLAN)					
		LOCATION		RICARDO V. NUNEZ	VICTORINO F. MANINGAS	JEFFREY ANTHONY T. GANCHERAN, MD, MHA	VALERIANO JESUS V. LOPEZ, MD, MPH, MHA, CERSO IV	
		BASICO, BATANES	ADMINISTRATIVE OFFICER V BATANES GENERAL HOSPITAL	CHIEF OF HOSPITAL & DOH REGIONAL OFFICE 02	CHIEF OF HOSPITAL & BATANES GENERAL HOSPITAL	DOH REGIONAL OFFICE 02	DOH REGIONAL OFFICE 02	

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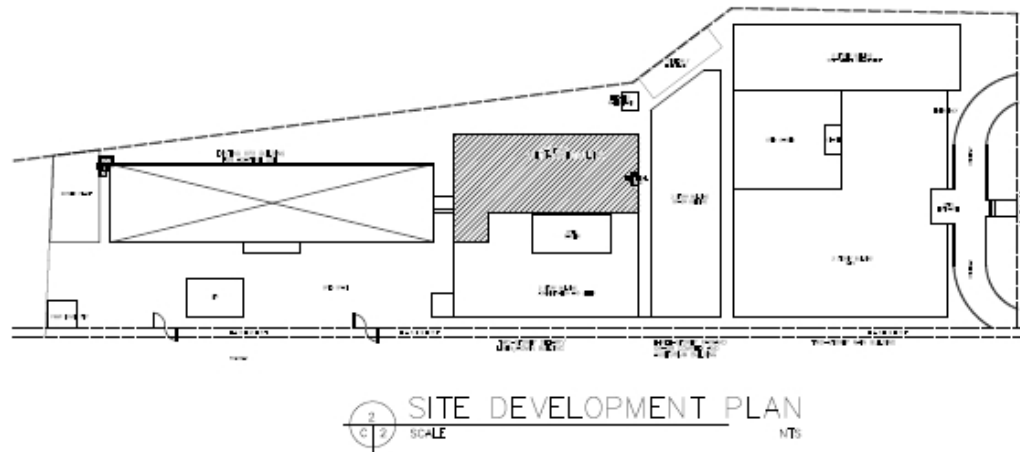


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OFFICE OF THE BUILDING OFFICIAL

CITY OF MANILA

LAND USE & ZONING

LINE & GRADE

ARCHITECTURAL

CIVIL / STRUCTURAL

ELECTRICAL

MECHANICAL

SANITARY

PLUMBING

ELECTRONICS



Republic of the Philippines
DEPARTMENT OF HEALTH
BATANES GENERAL HOSPITAL
National Rd., Baybayan
Bata, Batanes

PREPARED
JOHN OLIVER D. ALVISO
ENGINEER I
BATANES GENERAL HOSPITAL

PROJECT
PROPOSED CONST. OF 3-
STOREY DIAGNOSTIC BUILDING
LOCATION
BAGO, BATANES

SHEET CONTENTS
VICINITY MAP
SITE DEVELOPMENT PLAN

NOTED
RICARDO V. NUNEZ
ADMINISTRATIVE OFFICER IV
BATANES GENERAL HOSPITAL

REVIEWED
VICTORINO F. MANINGAS
ENGINEER II (ROWD)
DOH REGIONAL OFFICE 02

RECOMMENDING APPROVAL
JEFFREY ANTONY T. CANGARAN, MD, MPH
CHIEF OF HOSPITAL II
BATANES GENERAL HOSPITAL

APPROVED
VALERIANO JESUS V. LOPEZ, MD, MPH, MBA, CRPO IV
DIRECTOR IV
DOH REGIONAL OFFICE 02

SHEET NO.
A4
DATE: 2024-11-14

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 (refer to **GCC Clause 8**) 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

PROPOSED CONSTRUCTION OF 3-STOREY DIAGNOSTIC BUILDING (Phase I)

Batanes General Hospital

Basco, Batanes

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
(1)	(2)	(3)	(4)	(5)	(6)
I.	3-STOREY BUILDING PROJECT DETAILED ARCHITECTURAL & ENGINEERING DESIGN (DAED) & DETAILED ESTIMATE/POW (COMPLETE PLAN)	1.00	lot		
	Accomplish & submit standard detailed architectural & engineering design (3-Storey) both hard & soft copy w/ sign & seal of trade professional (for hard copy only), including shop drawings and detailed estimate/POW of the project (project compose of architectural, structural, electrical & auxiliary, plumbing & sanitary and mechanical system				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
II.	GENERAL REQUIREMENTS	1.00	lot		
	Building Permit & Licenses w/ all Supporting Documents				
	Mobilization/demobilization				
	Contractor's Bunkhouse				
	Field Office/temporary facilities(including security, temp. water and power)				
	Temporary Perimeter Fence				
	Safety and Health				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
III.	DEMOLITION WORKS	1.00	lot		
	Demolition & disposal of existing X-ray building				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
IV.	EARTHWORKS	1.00	lot		
	Excavation				
	Backfill				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
V.	SOIL POISONING/TERMITE TREATMENT	1.00	lot		
	Soil				
	Carpentry Works				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
VI.	CONCRETE, SCAFFOLDING AND FORM WORKS	1.00	lot		
	<i>(COLUMN FOOTINGS, COLUMNS, FOOTING TIE BEAMS, WALL FOOTINGS, WALLS, BEAMS, FLOOR SLABS, SLABS ON-FILL(CONNECTING HALLWAY FOR DIAGNOSTIC BLDG & SERVICE BLDG IS EXCLUDED FOR THE ITEM OF WORK BUT PROVIDE L / 4 CUT BEAM FOR FUTURE CONSTRUCTION) (GROUND AND SECOND FLOOR)</i>				
	Building Structure Shall Withstand Min. of 8.5 Intensity Earthquake				
	Building Structure Shall Withstand Min. of 400kph Typhoon Wind				
	concrete (3000 psi)				
	concrete (4000 psi)				
	Form plywood				
	Scaffoldings/formworks				
	Assorted CWN				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
VII.	REBAR/STEEL WORKS	1.00	lot		
	<i>(EXCLUDE CONNECTING HALLWAY OF DIAGNOSTIC BUILDING & SERVICE BUILDING)</i>				
	(GROUND AND SECOND FLOOR)				
	Reinforced Steel Bars (RSB)				
	25 mm dia. RSB				
	20mm dia. RSB				
	12mm dia. RSB				
	Ga. 16 tie wires				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
VIII.	FLOOR FINISHES	1.00	lot		
	(GROUND FLOOR)				
	600mm x 600mm polished ceramic floor tiles				
	300mmx300mm vitrified ceramic tiles (public toilet & utility room)				
	200mm x 200mm vitrified floor tiles (individual toilets)				
	600mmx600mm Non-skid vinyl floor tiles with grooves for ramp				
	Colored Tile Grout (2kg/bag)				
	Tile Adhesive				
	Portland Cement floor topping				
	Sand				
	Brass Nosing (4' standard length)				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
IX.	WALL FINISHES (Fully furnish ground floor & exterior 150mm	1.00	lot		
	CHB walls for 2nd floor)				
	100mm CHB				
	150mm CHB				
	200mm x 300mm ceramic wall tiles (individual toilets)				
	300mm x 300mm ceramic wall tiles (public toilet & utility room)				
	Colored Tile Grout (2kg/bag)				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	Tile Adhesive				
	Portland Cement (40kg)				
	Sand				
	20mm x 150mm wooden baseboard including hardware				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
X.	CEILING FINISHES	1.00	lot		
	(GROUND FLOOR)				
	600mmx600mm PVC Acoustic Ceiling Board				
	Aluminum T-Framing System w/ groove & Accessories				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XI.	CARPENTRY WORKS (all cabinets-overhead and under the counter cabinets), Staff Work Station, Control room, Dark room, Radiologist reading area (cubicle partition w/ glass)	1.00	lot		
	(GROUND FLOOR)				
	Synthetic stone counter top finish (furnica)				
	20mm thick Marine Plywood for cabinets,cubicle and counters				
	10mm thick cubicle glass w/ frame				
	including drawers and all hardware and accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XII.	DOORS (GROUND FLOOR)	1.00	lot		
	Leaded stainless metal door w/ comp. installation accessories, heavy duty lever type door knob, door closer, stopper & overhead/foot bolts, handle, all stainless, for CT scan & X-ray room,front door(2-Panels, Double swing type), rear door (1-Panel, Double swing type)				
	Metal door w/ glass & transom window, heavy duty lever type door knob,, handle,door closer, stopper & overhead/foot bolts, all stainless,accessories, for 1st floor (2-Panels, Double swing type) for hallway				
	Metal door w/ glass & transom window, heavy duty lever type door knob, handle, door closer, stopper & overhead/foot bolts, all stainless,accessories, for 1st floor (1-Panel, Double swing type) (Medical Rooms).				
	Metal door, heavy duty lever type door knob, handle, door closer, all stainless accessories, for Elect'l room, 1st flr. C.R.s (1-Panel, Double swing w/ louver)				
	PVC door w/ louver, heavy duty lever type door knob, stopper ,all stainless accessories, for 1st flr. Public C.R., utility room				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	Misc accessories to complete all items of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XIII.	WINDOWS	1.00	lot		
	(GROUND FLOOR)				
	Swing type window w/ 10mm thk. clear glass & powder-coated aluminum frame for Medical rooms,Hallway beside OR/DR building				
	to be sliding window				
	Owning type window w/ 10mm thk. clear glass & powder-coated aluminum frame for C.R. & Utility rooms				
	Releasing area glass window (Fixed Window)				
	Viewing window leaded glass (install approved standard)				
	Misc accessories to complete all items of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XIV.	TOILET CUBICLE SYSTEM (GROUND FLOOR)	1.00	lot		
	20mm thk marine plywood hanging cabinetcomplete w/ finishing accessories				
	towel hanger and dextrose hooks, indicator locks, door handle, and fiberglass support for individual stalls and urinals w/ all hardwares and accessories to complete the item of work				
	All building CRs are PWD compliant				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XV.	WATERPROOFING WORKS	1.00	lot		
	(GROUND AND SECOND FLOOR)				
	Toilet floor slab, concrete gutters, parapet and roof slab; including surface preparations				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XVI.	FIRE EXIT STAIRS	1.00	lot		
	(GROUND TO SECOND FLOOR)				
	Main Stair System, stainless or concrete				
	Concrete steps on 32mm x 32mm stainless angle bar framing or concrete steps				
	4" G.I. pipe posts or concrete posts				
	40mm dia. x 6m Handrail, stainless steel				
	12mmdia. x 6M. Stainless steel guard railings				
	2 - 50mm x 100mm c-channel and all other accessories to complete this item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XVII.	PAINTING WORKS	1.00	lot		
	(GROUND FLOOR)				
	Wall Paint				
	Interior Painting, anti-bac paint, semi-gloss				
	Ceiling Painting, semi-gloss (Concrete)				
	Exterior Painting, dirt-resistive paint, semi-gloss				
	Patching compound / Sealing Putty				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	Concrete Neutralizer				
	Flat Wall Paint				
	Ting-ting color, water base, assorted colors				
	Painting Tools & Accessories				
	Carpentry & Fixture Paints				
	QDE Paint, White Color				
	Ting-ting color, oil base, assorted colors				
	Sanding sealer				
	Painting Tools, supplies & Accessories				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
ELECTRICAL WORKS					
XVIII.	ELECTRICAL & AUXILIARY ROUGHING-IN (GROUND AND SECOND FLOOR)	1.00	lot		
	Electrical Pipe, uPVC, Fittings & Accessories, Assorted Sizes				
	Electrical Pipe, RSC, Fittings & Accessories, Assorted Sizes				
	Junction, Utility, Pull Boxes w/ Accessories				
	Metal Gutters, Fittings & Accessories				
	Installation Accessories to complete item of work				
	Provide roughing-in to supply 3rd floor				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XIX.	LIGHTING FIXTURES (GROUND FLOOR)	1.00	lot		
	1x20 Watts Surface mounted T8 LED Lighting Fixtures w/ Industrial type, Aluminum Housing, Louver type				
	2x20 Watts Recessed-mounted T8 LED Lighting Fixtures w/ mirrorized louver, Industrial type, Aluminum Housing				
	3x20 Watts Recessed-mounted T8 LED Lighting Fixtures w/ mirrorized louver, Industrial type, Aluminum Housing				
	8 inch dia. Pinlight w/ 9 Watts LED Light				
	4 inch dia. Pinlight w/ 5 Watts LED Light				
	LED Red Color Light 7w, 230v, activity indicator lights (CT scan & X-ray rm. Mounted above door)				
	Emergency LED Light, Electro-Galvanized Steel Casing of High Reflectance finish w/High Reflectance finish & High Grade Epoxy Spray				
	Coating, 230V, 60Hz w/ Maintenance Free Battery, on/ off switch for control of lamp, w/ Full-Automatic Constant Current Limited w/ 2Hrs. back-up time duration. w/ steel guard frame.				
	Exit LED Light, Electro-Galvanized Steel casing of High Reflectance finish w/ High Grade Epoxy				
	Spray Coating, 230V, 60Hz w/ sealed Maintenance-Free Nickel Cadmium Rechargeable Battery 1x8.0 Watts LED Light w/ 3Hrs. back-up time duration equipped w/ push test- switch to simulate power failure.				
	Hand dryer, automatic sensor switch, 220Vac, PVC Case w/				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	LED power indicator & complete installation accessories				
	installed on all comfort rooms				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XX.	WIRING DEVICES (GROUND FLOOR)	1.00	lot		
	Single Pole Single Throw Switch (SPST)				
	Two Pole Single Throw Switch (2PST)				
	Three Pole Single Throw Switch (3PST)				
	Single Three-Way Switch				
	1-Gang Convenience Outlet, 16A, 230V				
	(For Exit Emergency Lights & Hand dryer)				
	Duplex Convenience Outlet, 16A, 230V w/ grounding-type				
	Duplex Convenience Outlet, 16A, 230V w/ grounding-type (GFCI)				
	Voice/Data Outlet, TIA 568A/RJ45, wall mounted				
	Voice Control Switch				
	ACU Outlet, 30A, 230V w/ grounding-type				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXI.	WIRES AND CABLES (GROUND FLOOR) Provide supply line system to 2nd floor and 3rd floor if required	1.00	lot		
	Normal Power Panels, Systems				
	Emergency Critical Panels, Systems				
	Emergency Life Safety Panels, Systems				
	Emergency Equipment Panels, Systems				
	Local Telephone System				
	Fire Safety Detection System				
	Local Area Network System				
	Paging System				
	Cat 6, UTP Cable, 4 Pairs x 0.51mm				
	1.25 sq. mm. TF wires				
	Electrical Wires, THHN/THWN-2 Type (Assorted Sizes)				
	Electrical Ground Wires, TW Type (Assorted Sizes)				
	Installation accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXII.	PANELBOARDS AND CIRCUIT BREAKERS (GROUND FLOOR)	1.00	lot		
	Normal Power Panels, Systems				
	Emergency Critical Panels, Systems				
	Emergency Life Safety Panels, Systems				
	Emergency Equipment Panels, Systems				
	3P, 240VAC, Bolt-on type & Main CB w/ thermal magnetic				
	type air circuit breakers, class 3x or higher				
	Installation accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
XXIII.	AUXILIARY SYSTEM	1.00	lot		
	(GROUND FLOOR) Provide roughing in to supply 2nd & 3rd floor				
	Local telephone system (include system connection to OR/DR				
	Building w/ matching equipment & accessories)				
	Telephone terminal control equipment w/ matching transformer w/ cabinet				
	Paging system (include system connection to OR/DR				
	Building w/ matching equipment & accessories)				
	Local area network system (include system connection to				
	OR/DR Building w/ matching equipment & accessories)				
	LAN terminal control system with cabinet				
	Heat & Smoke Detection & Alarm System (include system connection to				
	OR/DR Building w/ matching equipment & accessories)				
	Heat & smoke detector terminal control system set				
	Installation accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXIV.	CT SCAN INDEPENDENT POWER SOURCE (Refer to equipment power requirements)	1.00	lot		
	All Electrical Pipes,Wires,Panelboard & Ckt. Breakers &				
	accessories to complete the required Electrical System				
	Installation accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXV.	MISCELLANEOUS	1.00	lot		
	Electrical system accessories to complete all item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXVI.	PLUMBING FIXTURES	1.00	lot		
	(GROUND FLOOR)				
	Wc- Tank Type Lever type Flush				
	w/ complete fittings and accessories (Faucet w/ hose)				
	Lavatory wall hung Type complete w/ spray faucet, fittings and access.				
	Lavatory counter type, complete w/ spray faucet, fittings and access.				
	Urinal-Round type waterless w/ complete fittings and accessories				
	Wash tub for floor mop w/ faucet & complete accessories				
	Face Mirror (500mm x 600mmX6mm) complete with frames,studs/brackets and accessories				
	soap holder				
	Tissue Paper Holder Wall mounted				
	Concealed Floor Drains(Stainless Steel w/waterless trap)				
	Hose bibb				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXVII.	SEWERLINE SYSTEM	1.00	lot		
	(GROUND AND SECOND FLOOR) Provide roughing in to anticipate sewerline of 3rd floor				
	PVC Sanitary Pipes, assorted diameter sizes (s1000)				
	PVC Sanitary Pipe Fittings, assorted (s1000)				
	P-traps, assorted sizes				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	Hangers, Brackets & Accessories				
	All installation supplies & accessories to complete the item of work				
	Sewer line tapped to septic tank & Sewage Treatment Plant				
	Include tapping of two units soil pipe of Admin Building (Dietary & Laundry)				
	Ground Floor C.R. to septic tank pipeline system				
	Install Main Sewer Pipes to 3rd Floor for future completion				
	All installation accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXVIII.	VENT SYSTEM (GROUND AND SECOND FLOOR)	1.00	lot		
	PVC Sanitary Pipes, assorted diameter sizes (s1000)				
	PVC Sanitary Pipe Fittings, assorted (s1000)				
	Hangers, Brackets & Accessories				
	All installation supplies & accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXIX.	COLD WATERLINE SYSTEM (POTABLE-White Color Pipe) (GROUND AND SECOND FLOOR) Provide roughing in to anticipate supply of 3rd floor	1.00	lot		
	Fusion weld PPR pipes, assorted diameter sizes (PN20)				
	Fusion weld PPR pipe fittings, assorted (PN20)				
	Gate valves, assorted sizes (PN20)				
	Hangers, Brackets & Accessories				
	All installation supplies & accessories to complete the item of work				
	Install Main Supply Pipes to 3rd Floor for future completion				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXX.	COLD WATERLINE SYSTEM (NON-POTABLE-Green Color Pipe) (GROUND AND SECOND FLOOR) Provide roughing in to anticipate supply of 3rd floor	1.00	lot		
	Fusion weld PPR pipes, assorted diameter sizes (PN20)				
	Fusion weld PPR pipe fittings, assorted (PN20)				
	Gate valves, assorted sizes (PN20)				
	Hangers, Brackets & Accessories				
	All installation supplies & accessories to complete the item of work				
	Install Main Supply Pipes to 3rd Floor for future completion				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXXI.	STORM DRAINAGE SYSTEM (including Admin Building portion) (GROUND AND SECOND FLOOR)	1.00	lot		
	100mm dia uPVC pipe s1000				
	600mm dia Concrete pipe				
	100mm dia uPVC Elbow 90DEG				
	300mm dia Concrete pipe				
	100mm dia Downspout PVC pipes & fittings				
	Install Downspout Pipes to roof deck for future completion				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	Catch Basin				
	Roof Drain Stainless Dome type				
	Gutter Drain Stainless Dome type				
	uPVC Solvent Cement				
	Miscellaneous				
	Provide storm drainage system w/ cleanout of admin quadrangle to creek (install concrete box culvert or 10" dia. Pipe w/ manhole)				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
MECHANICAL WORKS					
XXXII.	HVAC SYSTEM (GROUND FLOOR)	1.00	lot		
	Window type aircon for rooms, (inverter type) w/ inst'n accessories				
	Split type aircon for rooms, (inverter type) w/ inst'n accessories				
	Exhaust ceiling fans for all comfort roomfs and dark room w/ inst'n accessories				
	Include standard aircon water drain system				
	Hand dryer, 220V, 1Ø, 60Hz, w/ LED power indicator, automatic sensing switch & complete installation accessories.				
	Install Wall Fan for CT Scan, X-Ray, Control, Staff Work Station, Ultrasound				
	Radiologist Reading Area, Dark Room, Film File Storage				
	other miscellaneous accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
XXXIII.	FIRE DETECTION AND SPRINKLER SYSTEM (GROUND FLOOR)	1.00	lot		
	Provide roughing in to anticipate supply of 2nd & 3rd floor				
	Firehose cabinet set w/ complete inst'n accessories				
	Sprinkler System Pipes, Valves & Fittings w/ complete inst'n accessories				
	Install Main Supply Pipes to 2nd & 3rd Floor for future completion				
	Fire alarm manual push button				
	Fire alarm bell sytem				
	sprinkler heads system				
	other miscellaneous accessories to complete the item of work				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				
	65Ø hose valve				
XXXIV.	OTHERS	1.00	lot		
	Concrete Demolition				
	Excavation Trench Canal, Catch basin (including Admin quadrangle)				
	Backfilling				
	Concrete Restoration (Admin Bldg. portion)				
	Portland Cement				
	Gravel				
	Sand				
	Sub-total				
	(Pesos and centavos ----Amount in Words----)				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
	Summary				
I.	GENERAL REQUIREMENTS				
II.	DEMOLITION WORKS				
III.	EARTHWORKS				
IV.	SOIL POISONING/TERMITE TREATMENT				
V.	CONCRETE, SCAFFOLDING AND FORM WORKS				
	Ground and Second Floor				
VI.	REBAR/STEEL WORKS				
	Ground and Second Floor				
VII.	FLOOR FINISHES				
	Ground and Second Floor				
VIII.	WALL FINISHES				
	Ground and Second Floor				
IX.	CEILING FINISHES				
	Ground Floor				
X.	CARPENTRY WORKS				
	Ground Floor				
XI.	DOORS				
	Ground and Second Floor				
XII.	WINDOWS				
	Ground and Second Floor				
XIII.	TOILET CUBICLE SYSTEM				
	Ground Floor				
XIV.	WATERPROOFING WORKS				
	Ground and Second Floor				
XV.	FIRE EXIT STAIRS				
	Ground and Second Floor				
XVI.	PAINTING WORKS				
	Ground Floor				
XVII.	ELECTRICAL & AUXILIARY ROUGHING-IN				
	Ground and Second Floor				
XVIII.	LIGHTING FIXTURES				
	Ground Floor				
XIX.	WIRING DEVICES				
	Ground Floor				
XX.	WIRES AND CABLES				
	Ground and Second Floor				
XXI.	PANELBOARDS AND CIRCUIT BREAKERS				
	Ground Floor				
XXII.	AUXILIARY SYSTEM				
	Ground Floor				
XXIII.	CT SCAN INDEPENDENT POWER SOURCE				
XXIV.	MISCELLANEOUS				
XXV.	PLUMBING FIXTURES				
	Ground Floor				
XXVI.	SEWERLINE SYSTEM				
	Ground and Second Floor				
XXVII.	VENT SYSTEM				
	Ground and Second Floor				

Item No.	DESCRIPTION	QTY	UNIT	UNIT PRICE (PESOS)	AMOUNT (PESOS)
XXVIII.	COLD WATERLINE SYSTEM (POTABLE-White Color Pipe)				
	Ground and Second Floor				
XXIX.	COLD WATERLINE SYSTEM (NON-POTABLE-Green Color Pipe)				
	Ground and Second Floor				
XXX.	STORM DRAINAGE SYSTEM (including Admin Building portion)				
	Ground and Second Floor				
XXXI.	HVAC SYSTEM				
	Ground Floor				
XXXII.	FIRE DETECTION AND SPRINKLER SYSTEM				
	Ground Floor				
XXXIII.	OTHERS				
	GRAND TOTAL				
	(Pesos and centavos ----Amount in Words----)				

Section IX. Bidding Forms

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Bid Form

Date: _____

IB¹ N°: 2017-02

To: *Batanes General Hospital*

Address: *National Road, Kayhuvokan, Basco, Batanes*

We, the undersigned, declare that:

- (a) We have examined and have no reservation to the Bidding Documents, including Addenda, for the Contract [insert name of contract];
- (b) We offer to execute the Works for this Contract in accordance with the Bid and Bid Data Sheet, General and Special Conditions of Contract accompanying this Bid;

The total price of our Bid, excluding any discounts offered below is: [insert information];

The discounts offered and the methodology for their application are: [insert information];

- (c) Our Bid shall be valid for a period of [insert number] days from the date fixed for the Bid submission deadline in accordance with the Bidding Documents, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (d) If our Bid is accepted, we commit to obtain a Performance Security in the amount of [insert percentage amount] percent of the Contract Price for the due performance of the Contract;
- (e) Our firm, including any subcontractors or suppliers for any part of the Contract, have nationalities from the following eligible countries: [insert information];
- (f) We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- (g) Our firm, its affiliates or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the Funding Source;
- (h) We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and

¹ If ADB, JICA and WB funded projects, use IFB.

- (i) We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- (j) We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the [Name of Project] of the [Name of the Procuring Entity].
- (k) We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

In the capacity of: _____

Signed: _____

Duly authorized to sign the Bid for and on behalf of: _____

Date: _____

Form of Contract Agreement

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents shall be attached, deemed to form, and be read and construed as integral part of this Agreement, to wit:
 - (a) General and Special Conditions of Contract;
 - (b) Drawings/Plans;
 - (c) Specifications;
 - (d) Invitation to Bid;
 - (e) Instructions to Bidders;
 - (f) Bid Data Sheet;
 - (g) Addenda and/or Supplemental/Bid Bulletins, if any;
 - (h) Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (e.g., Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
 - (i) Eligibility requirements, documents and/or statements;
 - (j) Performance Security;
 - (k) Notice of Award of Contract and the Bidder’s conforme thereto;
 - (l) Other contract documents that may be required by existing laws and/or the Entity.
3. In consideration of the payments to be made by the Entity to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Entity to execute and complete the Works and remedy any defects therein in conformity with the provisions of this Contract in all respects.

4. The Entity hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying of defects wherein, the Contract Price or such other sum as may become payable under the provisions of this Contract at the times and in the manner prescribed by this Contract.

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

Signed, sealed, delivered by _____ the _____ (for the Entity)

Signed, sealed, delivered by _____ the _____ (for the Contractor).

Binding Signature of Procuring Entity

Binding Signature of Contractor

[Addendum showing the corrections, if any, made during the Bid evaluation should be attached with this agreement]

Omnibus Sworn Statement

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

AFFIDAVIT

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

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

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

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

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

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

If a partnership, corporation, cooperative, or joint venture: I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for *[Name of the Project]* of the *[Name of the Procuring Entity]*, accompanied by the duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary's Certificate, whichever is applicable;

3. *[Name of Bidder]* is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board;
4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

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

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

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

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

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

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the following responsibilities as a Bidder:
- a) Carefully examine all of the Bidding Documents;
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

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

Bidder's Representative/Authorized Signatory

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____ and his/her Community Tax Certificate No. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

Page No. _____

Book No. _____

Series of _____

Bid-Securing Declaration

(REPUBLIC OF THE PHILIPPINES)

CITY OF _____) S.S.

X-----X

Invitation to Bid *[Insert reference number]*

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

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid-Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1 (f), of the IRR of RA 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid-Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right;
 - c. I am/we are declared as the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

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

[Insert NAME OF BIDDER'S AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

SUBSCRIBED AND SWORN to before me this ____ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. _____.

Witness my hand and seal this ____ day of *[month]* *[year]*.

NAME OF NOTARY PUBLIC

Serial No. of Commission _____
Notary Public for _____ **until** _____
Roll of Attorneys No. _____
PTR No. __, *[date issued]*, *[place issued]*
IBP No. __, *[date issued]*, *[place issued]*
Doc. No. ____
Page No. ____
Book No. ____
Series of _____.

