

PHILIPPINE BIDDING DOCUMENTS

(As Harmonized with Development Partners)

(DESIGN & BUILD)
**INCREASE IN CARRYING CAPACITY
OF NURSING AND ALLIED HEALTH
PROGRAMS**

(Project Identification No. IB-2024-07-17)



EASTERN VISAYAS STATE UNIVERSITY

Sixth Edition

July 2020

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the “Works”) through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv) the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the “*name of the Procuring Entity*” and “*address for bid submission*,” should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.
- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.
- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor – is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded. Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project – Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.



Section I. Invitation to Bid



Republic of the Philippines
EASTERN VISAYAS STATE UNIVERSITY
Tacloban City

Project Identification Number:
IB-2024-07-17

BIDS AND AWARDS COMMITTEE

INVITATION TO BID

(DESIGN & BUILD)

INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS

1. The *Eastern Visayas State University*, through the **REGULAR AGENCY FUND (RAF) FY 2023** intends to apply the sum of **Twenty-Three Million Three Hundred Forty-Six Thousand Pesos (Php23,346,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for **IB-2024-07-17 (Design & Build) Increase in Carrying Capacity of Nursing and Allied Health Programs**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *Eastern Visayas State University* now invites bids for the above Procurement Project. Completion of the Works is required **within Two Hundred Forty (240) calendar days (CD) upon receipt of Notice to Proceed (NTP)**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *Eastern Visayas State University* and inspect the Bidding Documents at the address given below from **during office hours from 9:00 A.M. to 5:00 P.M, Monday to Friday**.
5. A complete set of Bidding Documents may be acquired by interested bidders on **July 13, 2024 – August 13, 2024 (except on Saturdays, Sundays & Holidays)** from given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Twenty-Five Thousand Pesos (Php25,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person or through e-mail at evsu.bacsecretariat@evsu.edu.ph.

Prospective bidders who intend to purchase the bidding documents may opt for the following mode of payment:

- a. **Payment in person at the EVSU Cashiering (transaction hours: 8:00AM-3:30PM):**
 - i. Step 1: Proceed to the Office of the BAC Secretariat for the issuance of payment slip.
 - ii. Step 2: Present payment slip to the Cashiering Office for payment of the bid docs fee.



- iii. Step 3: Present proof of payment/official receipt to the Office of the BAC Secretariat.
- iv. Step 4: BAC Secretariat release copy of the PBD, its Bid Bulletin/s, and other attachments.

b. Payment thru bank:

- i. Account name: **EVSU TACLOBAN CAMPUS**
- ii. Bank: **DEVELOPMENT BANK OF THE PHILIPPINES**
- iii. Account number: **000-00090-775-3**

Note: Bidder must send its proof of payment for the fees to evsu.bacsecretariat@evsu.edu.ph.

Bidding Documents may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) (www.philgeps.gov.ph) and the Eastern Visayas State University website (<https://www.evsu.edu.ph/philgeps-posting-2024-public-bidding/>) provided that Bidders shall pay the nonrefundable fee for the bidding documents not later than the submission of their bids.

6. The *Eastern Visayas State University* will hold a *Pre-Bid Conference through a hybrid platform on **July 23, 2:00 P.M.** at the Office of the Vice President for Administration and Finance Conference Room, Tacloban City, Leyte & through video conferencing via Google Meet*, which shall be open to prospective bidders.

Prospective bidders are encouraged to discuss any concerns or clarifications about the eligibility requirements including the technical specifications in the said conference.

7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address as indicated below or (ii) online or electronic submission, on or before the time and date indicated below:
 - a. The bidder has the option to submit a bid electronically or manually on or before **August 13, 2024, 1:30 P.M.** If a bidder chooses to submit an electronic bid, the same bidder shall submit a bid manually for the same project on or before **August 15, 2024, 2:00 P.M.**, for evaluation purposes during post-Qualification. Further instructions on the submission and receipt of electronic bids are provided in BDS (ITB Clause 15); and,
 - b. If a bidder chooses to submit manually, the manual bid shall be sufficient for evaluation purposes during the Opening of Bids, and electronic submission shall no longer be required. The same shall be submitted at the address indicated below on or before **August 13, 2024, 1:30 P.M. (BAC Secretariat time)**.

Late bids shall not be accepted.

8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. Bid opening shall be through a hybrid platform at the *Office of Vice President for Administration and Finance Conference Room, Tacloban City, Leyte & through video conferencing via Google Meet* on **August 13, 2024, 2:00 P.M.** Bids will be



opened in the presence of the bidders' representatives who choose to attend the activity.

10. The *Eastern Visayas State University* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. You may visit the following websites:

For downloading of Bidding Documents:

PhilGEPS Website: www.philgeps.gov.ph

EVSU Website: <https://www.evsu.edu.ph/philgeps-posting-2024-public-bidding/>

For online bid submission:

Send to evsu.bacsecretariat@evsu.edu.ph

12. For further information, please refer to:

THE SECRETARIAT

Bids and Awards Committee

Eastern Visayas State University

Arch. Lino R. Gonzaga Avenue,

Tacloban City, Philippines 6500

Telephone No. 0953-355-7046 Tm

Email: evsu.bacsecretariat@evsu.edu.ph

(SGD) BENEDICTO T. MILITANTE, JR., Ph.D., J.D.

Vice President for Administration & Finance

Chairperson, Bids and Awards Committee



Section II. Instructions to Bidders



1. Scope of Bid

The Procuring Entity, **EASTERN VISAYAS STATE UNIVERSITY** invites Bids for the **(DESIGN & BUILD) INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS**, with Project Identification Number **IB-2024-07-17**.

The Procurement Project (referred to herein as “Project”) is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for 2023 in the amount of **Twenty-Three Million Three Hundred Forty-Six Thousand Pesos (Php23,346,000.00)**.

2.1. The source of funding is **REGULAR AGENCY FUND (RAF) FY 2023**.

3. Bidding Requirements

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

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

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

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

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

5. Eligible Bidders

5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.



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

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

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

6. **Origin of Associated Goods**

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

7. **Subcontracts**

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

The Procuring Entity has prescribed that **subcontracting is not allowed**.

8. **Pre-Bid Conference**

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address *Office of Vice President for Administration and Finance Conference Room, Tacloban City* and/or *through video conferencing via Google Meet* as indicated in paragraph 6 of the **IB**.

9. **Clarification and Amendment of Bidding Documents**

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. **Documents Comprising the Bid: Eligibility and Technical Components**

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.



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

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

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

13. Bid Prices

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



14. Bid and Payment Currencies

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

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until **120 calendar days from the date of opening of bids**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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



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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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



Section III. Bid Data Sheet



Bid Data Sheet

| ITB Clause | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 5.2 | <p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p style="text-align: center;"><i>Design and Build of Academic Buildings</i></p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.1 | Subcontracting is NOT allowed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.1 | Prospective bidders may submit their written request for clarification on and/or interpretation of any part of the Bidding Documents, either to EVSU BAC Secretariat Office or through electronic mail at evsu.bacsecretariat@evsu.edu.ph not later than July 24, 2024 , 5:00PM . Clarifications made and submitted beyond the abovementioned date shall not be accepted and/or entertained further. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.3 | The prospective Contractor/Developer must possess a valid PCAB License of at least Category A and be registered with classification General Building GB1- (Building or Industrial Plant) . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.4 | <p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Design Team</th> <th style="text-align: center;">No.</th> <th style="text-align: center;">General Experience</th> <th style="text-align: center;">License/ Certification</th> <th style="text-align: center;">Relevant Experience</th> </tr> </thead> <tbody> <tr> <td>Principal Architect/ Engineer</td> <td style="text-align: center;">1</td> <td style="text-align: center;">10</td> <td style="text-align: center;">PRC and UAP/PICE</td> <td style="text-align: center;">5</td> </tr> <tr> <td>Project Manager/ Coordinator</td> <td style="text-align: center;">1</td> <td style="text-align: center;">10</td> <td style="text-align: center;">PRC and UAP/PICE</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Project Designer Engineer, Structural/ Civil</td> <td style="text-align: center;">1</td> <td style="text-align: center;">10</td> <td style="text-align: center;">PRC and UAP/ PICE/ASEP</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Project Design Engineer, Mechanical</td> <td style="text-align: center;">1</td> <td style="text-align: center;">7</td> <td style="text-align: center;">PRC and PSME</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Project Design Engineer, Electrical</td> <td style="text-align: center;">1</td> <td style="text-align: center;">7</td> <td style="text-align: center;">PRC and IIEE</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Project Design Engineer, Electronics</td> <td style="text-align: center;">1</td> <td style="text-align: center;">7</td> <td style="text-align: center;">PRC and IECEP</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Project Design Engineer, Plumbing/ Sanitary</td> <td style="text-align: center;">1</td> <td style="text-align: center;">7</td> <td style="text-align: center;">PRC and PSSE</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Network Engineer</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">CCNA/CCNP or JNCDA/JNCDS</td> <td style="text-align: center;">2</td> </tr> <tr> <td>Engineering Assistant/ Draftsman</td> <td style="text-align: center;">1</td> <td style="text-align: center;">5</td> <td style="text-align: center;">Proficient in CAD and Sketchup of the latest version for support and production of design plans/ drawings and other needed documents</td> <td style="text-align: center;">2</td> </tr> </tbody> </table> <p><i>Note: All work experience for the proposed positions is verifiable by EVSU.</i></p> | Design Team | No. | General Experience | License/ Certification | Relevant Experience | Principal Architect/ Engineer | 1 | 10 | PRC and UAP/PICE | 5 | Project Manager/ Coordinator | 1 | 10 | PRC and UAP/PICE | 3 | Project Designer Engineer, Structural/ Civil | 1 | 10 | PRC and UAP/ PICE/ASEP | 3 | Project Design Engineer, Mechanical | 1 | 7 | PRC and PSME | 3 | Project Design Engineer, Electrical | 1 | 7 | PRC and IIEE | 3 | Project Design Engineer, Electronics | 1 | 7 | PRC and IECEP | 3 | Project Design Engineer, Plumbing/ Sanitary | 1 | 7 | PRC and PSSE | 3 | Network Engineer | 1 | 5 | CCNA/CCNP or JNCDA/JNCDS | 2 | Engineering Assistant/ Draftsman | 1 | 5 | Proficient in CAD and Sketchup of the latest version for support and production of design plans/ drawings and other needed documents | 2 |
| Design Team | No. | General Experience | License/ Certification | Relevant Experience | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Principal Architect/ Engineer | 1 | 10 | PRC and UAP/PICE | 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Manager/ Coordinator | 1 | 10 | PRC and UAP/PICE | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Designer Engineer, Structural/ Civil | 1 | 10 | PRC and UAP/ PICE/ASEP | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Design Engineer, Mechanical | 1 | 7 | PRC and PSME | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Design Engineer, Electrical | 1 | 7 | PRC and IIEE | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Design Engineer, Electronics | 1 | 7 | PRC and IECEP | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Design Engineer, Plumbing/ Sanitary | 1 | 7 | PRC and PSSE | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Network Engineer | 1 | 5 | CCNA/CCNP or JNCDA/JNCDS | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Engineering Assistant/ Draftsman | 1 | 5 | Proficient in CAD and Sketchup of the latest version for support and production of design plans/ drawings and other needed documents | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



| Construction Team | No. | General Experience | License/ Certification | Relevant Experience |
|-----------------------------------------------------------------------------------|------------|---------------------------|-----------------------------------------|----------------------------|
| Project Manager | 1 | 10 | PRC and UAP/PICE | 5 |
| Architect and Engineers (Civil, Electrical, Mechanical, Sanitary and Electronics) | 4 | 7 | PRC and UAP/PICE/II EE/PSME/PS SE/IECEP | 3-5 |
| QA/QC Civil, Electrical, Electronics, Mechanical | 3 | 5 | Relevant Certification | 3-5 |
| Materials Engineer | 1 | 5 | Relevant Certification | 3 |
| Environment, Health and Safety Officer | 1 | 5 | Relevant Certification | 3 |
| Construction Foreman | 1 | 7 | Relevant Certification | 5 |

Note: All work experience for the proposed positions is verifiable by EVSU.

10.5 The minimum major equipment requirements are the following:

| EQUIPMENT | NUMBER OF UNITS |
|----------------------------------|------------------------|
| Welding Machine 300Amp | 1 |
| Bar Cutter | 1 |
| Bar Bender | 1 |
| Concrete Vibrator | 1 |
| Pump Crete | 1 |
| Dump Truck (12 yd ³) | 2 |
| Plate Compactor | 1 |
| Jackhammer | 1 |
| Backhoe | 1 |

12 In the submission of bids, the first envelope (Technical Proposal) shall contain all the required documents for infrastructure projects under Section 25.2(b) of the IRR of R.A 9184 and the Value Engineering Analysis of Design and Construction Method as one of the additional documents.

15.1 The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:

| FORMS OF BID SECURITY | AMOUNT OF BID SECURITY (EQUAL TO PERCENTAGE OF THE ABC) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| • Bid Securing Declaration; OR | NOTARIZED |
| • Cash, Cashier's/ manager's check issued by a Universal or Commercial Bank equivalent to Two Percent (2%); OR | 466,920.00 |
| • Surety Bond equivalent to Five Percent (5%) (If security bond, attach the original copy of the official receipt of premium payment and certification issued by the Insurance Commission) | 1,167,300.00 |



16.1

Each Bidder shall submit one (1) original and four (4) readable authenticated copies of the first and second components of its (SEALED) bid. Documents to be submitted shall be properly tabbed and labeled according to the title of the document attached for prompt identification: e.g., PhilGEPS Certificate of Registration (Platinum) – PhilGEPS

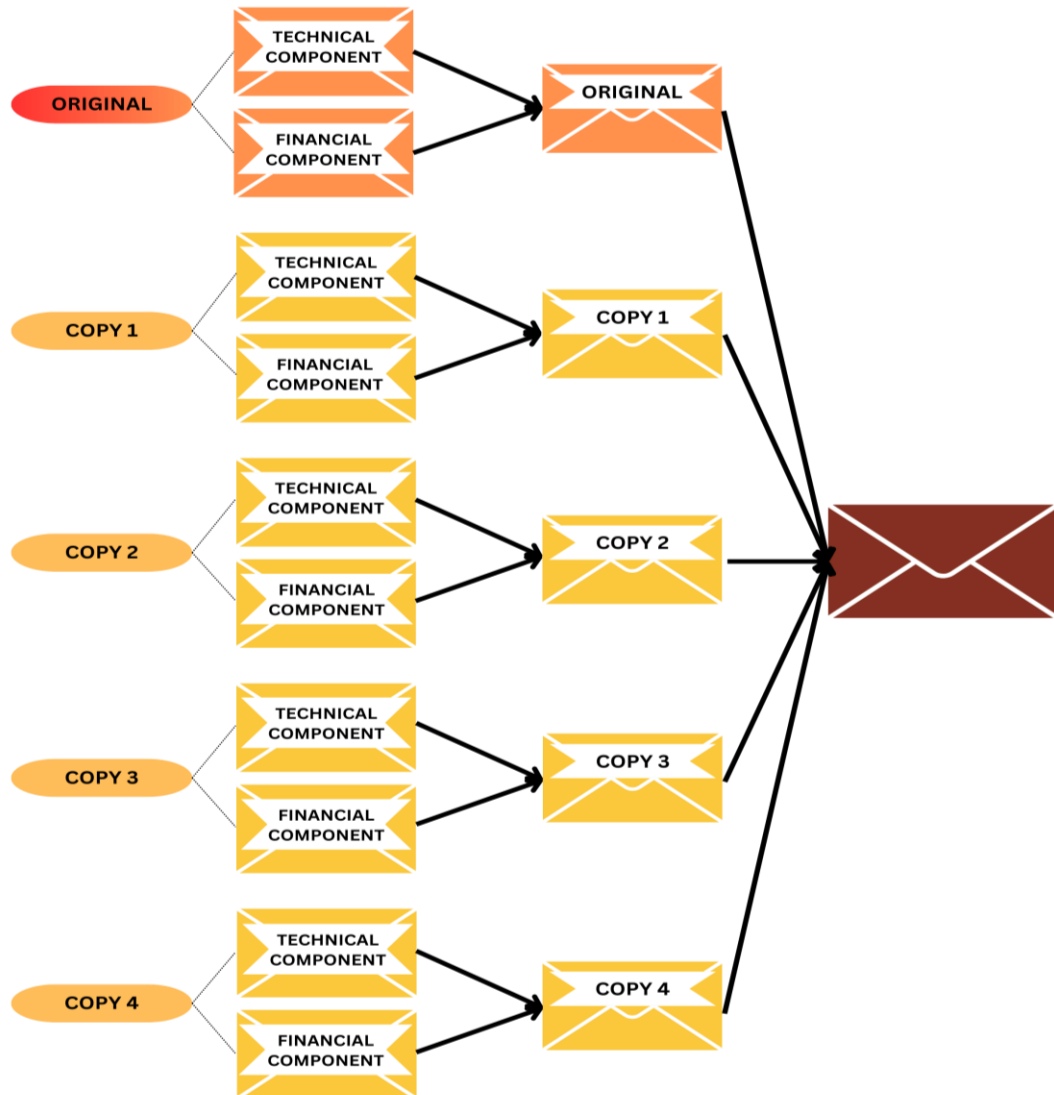
All envelopes shall:

- be addressed to the Procuring Entity’s BAC;
- bear the name and address of the Bidder in capital letters;
- contain the name of the contract to be bid in capital letters;
- bear the specific identification of this bidding process indicated in the ITB Clause 1; and bear a warning “DO NOT OPEN BEFORE...” the date and time for the opening of bids, as specified in the IB.

| | | |
|---------------------------------------------------|---|---------------------------------------------------------------------------|
| TO | : | THE BIDS AND AWARDS COMMITTEE EASTERN VISAYAS STATE UNIVERSITY |
| FROM | : | _____ |
| | | <i>(Name of Bidder in Capital Letters)</i> |
| ADDRESS | : | _____ |
| | | <i>(Address of Bidder in Capital Letters)</i> |
| BID REF. NO. | : | _____ |
| <i>(In Capital Letters, Indicate the Pharse):</i> | | |
| “DO NOT OPEN BEFORE: _____” | | |

For details in the preparation of sealed bids, please refer to the diagram below:

Figure 1. Sealing of Bids (Illustration of bids with 1 original and 4 copies, each box in the diagram represents a sealed envelope)



16.2

Guidelines for Electronic Submission of Bids:

- a) The Bidder must submit a soft copy of their bids through e-mail to evsu.bacsecretariat@evsu.edu.ph at any time before *August 13, 2024, 1:30 P.M.*
- b) In the online submission of bids, a two-folder system will be utilized. The first folder contains the requirements of the Technical Component checklist as presented under Section VIII and shall be labeled “**TECHNICAL COMPONENT**”. The second folder contains the requirements of the Financial Component checklist and is marked “**FINANCIAL COMPONENT**”.
- c) The documentary requirements shall be segregated and labelled according to the type of document for prompt identification (e.g., PhilGEPS Certificate of Registration (Platinum) labelled as PhilGEPS) and each shall be in Portable Document Format (PDF).



| | <p>d) Each folder shall be compressed in Zip, RAR or 7z format with password protection. Submitted bidding documents that are not in compressed archive format and are not password protected, will be automatically rejected.</p> <p>e) The password for accessing the file shall be disclosed by the Bidders during the bid opening which may be done in person or face-to-face through videoconferencing, webcasting, e-mail or similar technology.</p> <p>f) An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.</p> <p>g) For further information, please refer to:</p> <p>VINCENT B. CABANTOC <i>Head, BAC Secretariat</i> <i>CP No. 0953-355-7046 - TM</i> <i>Email Add: evsu.bacsecretariat@evsu.edu.ph</i></p> | | | | | | | | | | | | | | | |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|------------|-------------------------|--|--|----------|----------|-----|------|--------------|----------|------------------------|----------|------------|-------------------------|
| <p>19.2</p> | <p>Partial bids are not allowed. The goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.</p> <table border="1" data-bbox="328 1010 1398 1240"> <thead> <tr> <th colspan="5" style="background-color: #92d050;">IB-2024-07-17 (DESIGN & BUILD) INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS</th> </tr> <tr> <th>ITEM NO.</th> <th>P.R. NO.</th> <th>QTY</th> <th>UNIT</th> <th>TOTAL AMOUNT</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">07-0469-24 IPDO</td> <td style="text-align: center;">1</td> <td style="text-align: center;">LOT</td> <td style="text-align: center;">Php23,346,000.00</td> </tr> </tbody> </table> | IB-2024-07-17 (DESIGN & BUILD) INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS | | | | | ITEM NO. | P.R. NO. | QTY | UNIT | TOTAL AMOUNT | 1 | 07-0469-24 IPDO | 1 | LOT | Php23,346,000.00 |
| IB-2024-07-17 (DESIGN & BUILD) INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS | | | | | | | | | | | | | | | | |
| ITEM NO. | P.R. NO. | QTY | UNIT | TOTAL AMOUNT | | | | | | | | | | | | |
| 1 | 07-0469-24 IPDO | 1 | LOT | Php23,346,000.00 | | | | | | | | | | | | |
| <p>20</p> | <p>List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.</p> | | | | | | | | | | | | | | | |
| <p>21</p> | <p>Additional contract documents relevant to the Project that are required by existing laws and/or the Procuring Entity, such as:</p> <ul style="list-style-type: none"> • Construction Schedule and S-curve • Manpower Schedule • Construction Methods • Equipment Utilization Schedule • Construction Safety and Health Program approved by the DOLE • Contractor’s All-Risk Insurance (CARI) • and other acceptable tools of project scheduling. <p><i>Note: The successful Bidder shall furnish these documents within ten (10) calendar days from receipt of the approved Notice of Award (NOA) from the Procuring Entity but in no case later than the signing of the contract by both parties.</i></p> | | | | | | | | | | | | | | | |



Section IV. General Conditions of Contract



1. Scope of Contract

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

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

2. Sectional Completion of Works

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

3. Possession of Site

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

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

4. The Contractor's Obligations

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

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



5. Performance Security

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

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the



Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

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

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

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

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

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



Section V. Special Conditions of Contract



Special Conditions of Contract

| GCC Clause | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|
| 2 | The Intended Completion Date is <i>Two Hundred Forty (240) calendar days</i> from receipt of approved Notice to Proceed. | | | | | | | | |
| 4.1 | The turnover of the site shall be simultaneous to the receipt by the Contractor of the Notice to Proceed. | | | | | | | | |
| 6 | Conduct of site investigation/inspection at EVSU-Main Campus, Tacloban City, Philippines and submission of site investigation reports, preparation of project execution plan, preparation of detailed construction drawings/plans and submission of As-Built Plans. | | | | | | | | |
| 7.2 | <p><i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:]</i> Fifteen (15) years.</p> <p>All design and builds 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, however, to the liabilities imposed upon the engineer/architect who drew up the plans and specification for a building sanctioned under Section 1723 of the New Civil Code of the Philippines.</p> <p>To guarantee that the contractor shall perform his responsibilities as prescribed in Section 62.2.3.1(a) of the 2016 RIRR of RA 9184, it shall be required to post a warranty security in accordance with the following schedule:</p> <table border="1" data-bbox="400 1473 1326 2063"> <thead> <tr> <th data-bbox="400 1473 879 1585">FORM OF WARRANTY SECURITY</th> <th data-bbox="884 1473 1326 1585">AMOUNT OF WARRANTY SECURITY (NOT LESS THAN THE REQUIRED PERCENTAGE OF THE TOTAL CONTRACT PRICE)</th> </tr> </thead> <tbody> <tr> <td data-bbox="400 1585 879 1809"> <ul style="list-style-type: none"> Cash or Letter of Credit issued by a 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. </td> <td data-bbox="884 1585 1326 1809" style="text-align: center;">Five percent (5%)</td> </tr> <tr> <td data-bbox="400 1809 879 1899"> <ul style="list-style-type: none"> Bank guarantee confirmed by a Universal or Commercial Bank. </td> <td data-bbox="884 1809 1326 1899" style="text-align: center;">Ten percent (10%)</td> </tr> <tr> <td data-bbox="400 1899 879 2063"> <ul style="list-style-type: none"> Surety bond callable upon demand issued by GSIS or a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. </td> <td data-bbox="884 1899 1326 2063" style="text-align: center;">Thirty percent (30%)</td> </tr> </tbody> </table> <p>The warranty security shall be denominated in Philippine Pesos, remain</p> | FORM OF WARRANTY SECURITY | AMOUNT OF WARRANTY SECURITY (NOT LESS THAN THE REQUIRED PERCENTAGE OF THE TOTAL CONTRACT PRICE) | <ul style="list-style-type: none"> Cash or Letter of Credit issued by a 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%) | <ul style="list-style-type: none"> Bank guarantee confirmed by a Universal or Commercial Bank. | Ten percent (10%) | <ul style="list-style-type: none"> Surety bond callable upon demand issued by GSIS or a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. | Thirty percent (30%) |
| FORM OF WARRANTY SECURITY | AMOUNT OF WARRANTY SECURITY (NOT LESS THAN THE REQUIRED PERCENTAGE OF THE TOTAL CONTRACT PRICE) | | | | | | | | |
| <ul style="list-style-type: none"> Cash or Letter of Credit issued by a 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%) | | | | | | | | |
| <ul style="list-style-type: none"> Bank guarantee confirmed by a Universal or Commercial Bank. | Ten percent (10%) | | | | | | | | |
| <ul style="list-style-type: none"> Surety bond callable upon demand issued by GSIS or a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. | Thirty percent (30%) | | | | | | | | |



| | |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | effective for one (1) year from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity, and returned only after the lapse of the said one (1) year period. |
| 10 | No dayworks are applicable to the contract. |
| 11.1 | <p>The contractor shall submit a detailed program of work within <i>seven (7) calendar days</i> after issuance of the Notice to Proceed (NTP) for approval by the procuring entity that shall include, among others:</p> <ul style="list-style-type: none"> 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 inspections and tests as specified in the contract documents, 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 major stage of the work, and, g) Description of the quality control system to be utilized for the project. |
| 11.2 | The amount to be withheld for late submission of an updated Program of Work is ten percent (10%) of the Monthly Progress Billing . |
| 13 | <p>An advance payment <i>not to exceed fifteen percent (15%)</i> of the Contract Price in Philippine Peso shall be made upon the submission of a written request per stage of work by the Designer/Contractor to cover the cost of Mobilization. The advance payment shall be deducted by the EVSU in equal installments against the statements for the progress billings of the Services until the Advance Payment has been fully deducted.</p> <p>Advance Payment shall be made only upon the submission to and acceptance by EVSU of an Irrevocable Standby Letter of Credit or equivalent value from a commercial bank, a bank guarantee or a surety bond callable on demand. issued by a duly licensed surety or insurance company and confirmed by EVSU.</p> |
| 14 | The materials and equipment delivered on the site but not completely put in place shall be excluded from payment. |
| 15.1 | <p>The contractor shall cause the preparation and submission of “as-built” plans duly signed and sealed by a professional architect/ civil/ electrical/ mechanical/ auxiliary/ sanitary engineer in the same sheet size and scale as the original drawings.</p> <p>All As-Built Plans and Documents shall be delivered in sets as follows:</p> <ul style="list-style-type: none"> 1. One (1) set Original Copies, with the working drawings in the smallest scale of 1:100 meters prepared in CAD format, printed/plotted in Mylar paper original copies; |



| | |
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| | <ol style="list-style-type: none">2. Five (5) sets of Blueprint copies for each plan3. Two (2) sets of soft copies of AutoCAD plans/drawings and PDF format of Cost Estimates, Specifications, PERT-CPM, Schedule of Timeline, and other related documents in CD-ROM/Flash Drive Storage device;4. Other documents processed and issued in favor of EVSU during the construction period (i.e. Inspection Reports, Record Book, Building/Mechanical/ Electrical Permits, Fire Safety Reports, Clearances, Certificates and related documents) |
| 15.2 | The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is five percent (5%) of the Final Progress Billing. |



Section VI. Specifications



Republic of the Philippines
EASTERN VISAYAS STATE UNIVERSITY
 Physical Plant and Infrastructure Development Office

OUTLINE SPECIFICATIONS

NAME OF PROEJECT: (DESIGN & BUILD) INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS

LOCATION: EVSU MAIN CAMPUS – TACLOBAN CITY

MINIMUM SPECIFICATIONS (ALL DESIGNS FOR EVALUATION/VERIFICATION)

| Work Description | Minimum Specifications |
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| STRUCTURAL/CIVIL WORKS | |
| Substructure (Foundation, Tie Beam, Column) (verify Soil Bearing Test) | <ul style="list-style-type: none"> - Concrete Mix = 4000 psi (35 Mpa) (based on design) - Gravel Bedding = G3/4 - verify structural computations |
| Superstructure (Column, Beams, Slabs) | <ul style="list-style-type: none"> - Concrete Mix = 4000-5000 psi (28-35 Mpa) - verify structural computations |
| Slope Protection (where required) | <ul style="list-style-type: none"> - Concrete Mix = 4000 psi (35 Mpa) (based on design) - Gravel Bedding = G3/4 - verify structural computations |
| ARCHITECTURAL | |
| Division 4 - Masonry | |
| Concrete Hollow Blocks | <ul style="list-style-type: none"> - 150 CHB or 100 CHB - As per ASTM C90 - Provide unit masonry that develops indicated net-area compressive strengths at 28 days. - Determine net-area compressive strength of masonry from average net-area compressive strengths of masonry units and mortar types (unit-strength method) according to Tables 1 and 2 in ACI 530.1/ASCE6/TMS 602 - 1) Concrete & Masonry Lintels - 2) Mortar and Grout Materials - 3) Reinforcements - 4) Ties and Anchors - Load Bearing = 1493 psi (10.3 Mpa) - Non-Load Bearing = 600 psi (4.14 Mpa) |
| Division 5 - Metals | |
| Pipe and Tube Railings | <ul style="list-style-type: none"> - Stainless Steel and Tube Railings <ul style="list-style-type: none"> - 50mm dia Tubular Steel Handrails - 50mm dia B.I. Pipe Post - 38mm dia B.I. Pipe Rails - Structural Performance: Railings, including attachment to building construction, shall withstand the effects of gravity loads and loads and stresses within limits and under conditions indicated: <ul style="list-style-type: none"> - Thermal Movements: Allow for thermal movements from ambient and surface temperature changes. - Tubing: ASTM A 500 (Cold-Formed) or ASTM A 513 - Pipe: ASTM A 53 |



| Work Description | Minimum Specifications |
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| | <ul style="list-style-type: none"> - Fasteners and Miscellaneous Materials must have shop primers, use appropriate welding rods. |
| Metal Gratings | <ul style="list-style-type: none"> - Heavy-Duty Metal Bar Gratings with metal frames and support, hot-dipped galvanized - Seismic Performance: Gratings shall withstand the effects of earthquake motions determined according to ASCE/SEI7 - Metal Grating Standards: Comply with NAAMM MBG 531 |
| Division 8 - Openings | |
| Hollow Metal Doors and Frames | <ul style="list-style-type: none"> - Standard Hollow Metal Doors and Frames in Epoxy Paint Finish. Fire Rated Steel Doors and Frames with U.L. listing in Epoxy Paint Finish - Metal Door <ul style="list-style-type: none"> - Heavy Duty Doors and Frames; Level C according to SDI A250.4 - Metal Louver Door <ul style="list-style-type: none"> - Heavy Duty Doors and Frames; Level C according to SDI A250.4 |
| Flush Wood Doors | <ul style="list-style-type: none"> - Solid Wood Panel Door <ul style="list-style-type: none"> - Particle Core Door; Particle Board ANSI A208.1 |
| Stile and Rail Wood Doors | <ul style="list-style-type: none"> - Interior Stile and Rail Wood Doors <ul style="list-style-type: none"> - Solid Wood Panel Door - Interior Doors complying with WDMA I.S.6 |
| Door Hardware | <ul style="list-style-type: none"> - Hinges, Keyed Levered Lockset, Cylindrical Lever Dummy Trim, Door Closer, Threshold A. SCHEDULED DOOR HARDWARE <ul style="list-style-type: none"> - Provide Door Hardware for each door as scheduled to comply with: <ol style="list-style-type: none"> a) Door Hardware Sets: Provide quantity, item, size, finish or color b) Sequence of Operation: Provide electrified door hardware function - Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of doors hardware are identified by using door hardware designations, as follows: <ol style="list-style-type: none"> a) Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. b) References to BHMA Designations: Provide products complying with these designations and requirements for description, quality, and function. B. HINGES <ol style="list-style-type: none"> 1. Hinges: BHMA A156.1. Provide template-produced hinges for hinges installed on hollow-metal doors and hollow-metal frames. C. SELF-CLOSING HINGES AND PIVOTS <ol style="list-style-type: none"> 1. Self-Closing Hinges and Pivots: BHMA A156.17. D. MECHANICAL LOCKS AND LATCHES <ol style="list-style-type: none"> 1. Lock Functions: As indicated in the door hardware schedule. 2. Lock Throw: Comply with testing requirements for length of bolts required for labeled fire doors, and as follows: <ol style="list-style-type: none"> a) Bored Locks: Minimum 13 mm latchbolt throw. |



| Work Description | Minimum Specifications |
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| | <ul style="list-style-type: none"> b) Mortise Locks: Minimum 19 mm latchbolt throw. c) Deadbolts: Minimum 25 mm bolt throw. 3. Lock Backset: 70 mm, unless otherwise indicated. 4. Lock Trim: Lever Type. 5. Strikes: Provide manufacturer's standard strike for each lock bolt or latchbolt complying with requirements indicated for applicable lock or latch and with strike box and curved lip extended to protect frame; finished to match lock or latch. <ul style="list-style-type: none"> a) Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by the manufacturer. b) Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim. c) Aluminum-Frame Strike Box: Manufacturer's special strike box fabricated for aluminum framing. d) Rabbet Front and Strike: Provide locksets for rabbeted meeting stiles. 6. Bored Locks: BHMA A156.2; Grade 1; Series 4000. 7. Mortise Locks: BHMA A156.13; Operational or Security Grade 1 or 2; stamped steel case with steel or brass parts; Series 1000. 8. Interconnected Locks: BHMA A156.12; Grade 1; Series 5000. E. AUXILIARY LOCKS: BHMA A156.5; Grade1; with strike that suits the frame. F. EXIT LOCKS AND EXIT ALARMS <ul style="list-style-type: none"> 1. Exit Locks and Alarms: BHMA A156.29, Grade 1. G. SURFACE BOLTS <ul style="list-style-type: none"> 1. Surface Bolts: BHMA A156.16. H. MANUAL FLUSH BOLTS <ul style="list-style-type: none"> 1. Manual Flush Bolts: BHMA A156.16; minimum 19 mm throw; designed for mortising into door edge. I. AUTOMATIC AND SELF-LATCHING FLUSH BOLTS <ul style="list-style-type: none"> 1. Automatic and Self-Latching Flush Bolts: BHMA A156.16; minimum 19 mm throw; designed for mortising into door edge. J. EXIT DEVICES AND AUXILIARY ITEMS <ul style="list-style-type: none"> 1. Exit Devices and Auxiliary Items: BHMA A156.3. K. LOCK CYLINDERS <ul style="list-style-type: none"> 1. Lock Cylinders: Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver. 2. Standard Lock Cylinders: BHMA A156.5; Grade 2; permanent cores that are interchangeable; face finished to match lockset. 3. High-Security Lock Cylinders: BHMA A156.30; Grade 2; Type M, mechanical; permanent cores that are removable; face finished to match lockset. 4. Construction Master Keys: Provide cylinders with a feature that permits voiding of construction keys without cylinder removal. Provide 10 construction master keys. 5. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys. |



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| <p>Non-Structural Metal Framing</p> | <p>A. PERFORMANCE REQUIREMENTS</p> <ol style="list-style-type: none"> 1. Fire-Test-Response Characteristics: Provide materials and construction identical to those tested according to ASTM E 119. 2. STC-Rated Assemblies: Provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413. <p>B. FRAMING SYSTEMS</p> <ol style="list-style-type: none"> 1. Framing Members, General: Comply with ASTM C 754 for conditions indicated. <ol style="list-style-type: none"> a. Steel Sheet Components: Comply with ASTM C 645 requirements for metal unless otherwise indicated. b. Protective Coating: Coating with equivalent corrosion resistance of ASTM A 653/A 653M, G40 (Z120), hot-dip galvanized unless otherwise indicated. 2. Studs and Runners: ASTM C 645. Use either steel studs and runners or dimpled steel studs and runners. <ol style="list-style-type: none"> a. Steel Studs and Runners: <ol style="list-style-type: none"> 1. Minimum Base-Metal Thickness: 0.45 mm. 2. Depth: As indicated on Drawings. b. Dimpled Steel Studs and Runners: 3. Flat Strap and Backing Plate: Steel sheet for blocking and bracing in length and width indicated. <ol style="list-style-type: none"> a. Minimum Base-Metal Thickness: 0.45 mm. 4. Cold-Rolled Channel Bridging: Steel, 1.34 mm minimum base-metal thickness, with minimum 13 mm wide flanges. <ol style="list-style-type: none"> a. Depth: 38 mm. b. Clip Angle: Not less than 38 mm x 38 mm thick, galvanized steel. 5. Hat-Shaped, Rigid Furring Channels: ASTM C 645. <ol style="list-style-type: none"> a. Minimum Base-Metal Thickness: 0.45 mm. b. Depth: Minimum 22.2 mm. 6. Cold-Rolled Furring Channels: 1.34 mm uncoated-steel thickness, with minimum 13 mm wide flanges. <ol style="list-style-type: none"> a. Depth: 19 mm. b. Furring Brackets: Adjustable, corrugated-edge type of steel sheet with minimum uncoated-steel thickness of 0.8 mm. c. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 1.59 mm diameter wire, or double strand of 1.21 mm diameter wire. 7. Z-Shaped Furring: With slotted or unslotted web, face flange of 32 mm, wall attachment flange of 22 mm, minimum uncoated-metal thickness of 0.45 mm, and depth required to fit insulation thickness indicated. <p>C. SUSPENSION SYSTEMS</p> <ol style="list-style-type: none"> 1. Tie Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 1.59 mm diameter wire, or double strand of 1.21 mm diameter wire. 2. Hanger Attachments to Concrete: <ol style="list-style-type: none"> a. Anchors: Fabricated from corrosion-resistant materials with holes or loops for attaching wire hangers and capable of sustaining, without failure, a |



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| | <p>load equal to 5 times that imposed by construction as determined by testing according to ASTM E 488 by an independent testing agency.</p> <p>b. Powder-Actuated Fasteners: Suitable for application indicated, fabricated from corrosion-resistant materials with clips or other devices for attaching hangers of type indicated, and capable of sustaining, without failure, a load equal to 10 times that imposed by construction as determined by testing according to ASTM E 1190 by an independent testing agency.</p> <p>3. Wire Hangers: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, 4.12 mm in diameter.</p> <p>4. Flat Hangers: Steel sheet, 25 x 5 mm x length indicated.</p> <p>5. Carrying Channels: Cold-rolled, commercial-steel sheet with a base-metal thickness of 1.34mm and minimum 13mm wide flanges with a depth of 38 mm.</p> <p>6. Furring Channels (Furring Members):</p> <p>a. Cold-Rolled Channels: 1.34 mm uncoated-steel thickness, with minimum 13 mm wide flanges, 19 mm deep.</p> <p>b. Steel Studs and Runners: ASTM C 645.</p> <p>1. Minimum Base-Metal Thickness: 0.45 mm.</p> <p>2. Depth: As indicated on Drawings.</p> <p>c. Hat-Shaped, Rigid Furring Channels: ASTM C 645, 22 mm deep.</p> <p>1. Minimum Base-Metal Thickness: 0.45 mm.</p> <p>7. Grid Suspension System for Gypsum Board Ceilings: ASTM C645, direct-hung system composed of main beams and cross-furring members that interlock.</p> |
| <p>Glass</p> | <ul style="list-style-type: none"> - Tempered Glass (1/4" thk. Tinted) (where required) - Low-E for curtain wall (or as designed) <p>A. General: Installed glazing systems shall withstand normal thermal movement and wind and impact loads (where applicable) without failure, including loss or glass breakage attributable to the following: defective manufacture, fabrication, or installation; failure of sealants or gaskets to remain watertight and airtight; deterioration of glazing materials; or other defects in construction.</p> <p>B. Structural Performance: Glazing shall withstand the following: design loads within limits and under conditions indicated determined according to the IBC and ASTM E 1300.</p> <p>Door and Window: Tempered clear glass, Clear glass (Verify Architect for approved thickness)</p> <ol style="list-style-type: none"> 1. 6mm thk clear glass 2. 10mm thk clear glass 3. 12mm thk clear glass <p>C. Solar Photovoltaic Panels (where required)</p> <p>PV Glass-CLAD SEC12450635-1GLA35B-PV-1 9mm thk Tempered</p> <ol style="list-style-type: none"> 1. Medium Transparency (20%) 34 watts 2. Low Transparency (10%) 40 watts |
| <p>Jamb</p> | <p>A. Wood (Kiln Dried) verify design</p> |
| <p>Windows</p> | <p>1. Awning-Type (verify Schedule of Doors and Windows)</p> |
| <p>Window Frame</p> | <p>- Powdered-Coated Aluminum Frame (verify Schedule of</p> |



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| | Doors and Windows) |
| Division 9 - Finishes | |
| Cement Plastering | <p>A. ACCESSORIES</p> <ol style="list-style-type: none"> 1. General: Comply with ASTM C 1063 and coordinate depth of trim and accessories with thicknesses and number of plaster coats required. 2. Metal Accessories: <ol style="list-style-type: none"> a. External-Corner Reinforcement: Fabricated from metal lath with ASTM A 653/A 653M, Z180, hot-dip galvanized zinc coating. b. Cornerbeads: Fabricated from zinc-coated (galvanized) steel. <ol style="list-style-type: none"> 1) Small nose cornerbead with expanded flanges; use unless otherwise indicated. 2) Small nose cornerbead with perforated flanges; use on curved corners. 3) Small nose cornerbead with expanded flanges reinforced by perforated stiffening rib; use on columns and for finishing masonry corners. 4) Bullnose cornerbead, radius 19.1 mm minimum, with expanded flanges; use at locations indicated on Drawings. c. Casing Beads: Fabricated from zinc-coated (galvanized) steel; square-edged style; with expanded flanges. d. Control Joints: Fabricated from zinc-coated (galvanized) steel; one-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint. e. Expansion Joints: Fabricated from zinc-coated (galvanized) steel; folded pair of unperforated screeds in M-shaped configuration; with expanded flanges. f. Two-Piece Expansion Joints: Fabricated from zinc-coated (galvanized) steel; formed to produce slip-joint and square-edged reveal that is adjustable from 6.34 to 16 mm wide; with perforated flanges. 3. Plastic Accessories: Fabricated from high-impact PVC. <ol style="list-style-type: none"> a. Cornerbeads: With perforated flanges. <ol style="list-style-type: none"> 1) Small nose cornerbead; use unless otherwise indicated. 2) Bullnose cornerbead, radius 19.1 mm minimum; use at locations indicated on Drawings. b. Casing Beads: With perforated flanges in depth required to suit plaster bases indicated and flange length required to suit applications indicated. <ol style="list-style-type: none"> 1) Square-edge style; use unless otherwise indicated. 2) Bull-nose style, radius 19.1 mm minimum; use at locations indicated on Drawings. c. Control Joints: One-piece-type, folded pair of unperforated screeds in M-shaped configuration; with perforated flanges and removable protective tape on plaster face of control joint. d. Expansion Joints: Two-piece type, formed to produce |



| Work Description | Minimum Specifications |
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| | <p>slip-joint and square-edged 38 mm wide reveal; with perforated concealed flanges.</p> <p>B. MISCELLANEOUS MATERIALS</p> <ol style="list-style-type: none"> 1. Water for Mixing: Potable and free of substances capable of affecting plaster set or of damaging plaster, lath, or accessories. 2. Bonding Compound: ASTM C 932. 3. Steel Drill Screws: For metal-to-metal fastening, ASTM C 1002 or ASTM C 954, as required by thickness of metal being fastened; with pan head that is suitable for application; in lengths required to achieve penetration through joined materials of no fewer than three exposed threads. 4. Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper, not less than 1.21 mm diameter, unless otherwise indicated. <ol style="list-style-type: none"> a) Fire-Resistance-Rated Assemblies: Comply with mineral-fiber requirements of assembly. <p>C. PLASTER MATERIALS</p> <ol style="list-style-type: none"> 1. Portland Cement: ASTM C 150, Type I <ol style="list-style-type: none"> a. Color for Finish Coats: White. 2. Masonry Cement: ASTM C 91, Type N. <ol style="list-style-type: none"> a. Color for Finish Coats: White. 3. Lime: ASTM C 206, Type S; or ASTM C 207, Type S. 4. Sand Aggregate: ASTM C 897. <p>D. PLASTER MIXES</p> <ol style="list-style-type: none"> 1. General: Comply with ASTM C 926 for applications indicated. <ol style="list-style-type: none"> a. Plain Cement Plaster Finish (Smooth). <ol style="list-style-type: none"> 1) Consisting of scratch and finish coats, both consisting of one (1) part Portland cement and two (2) parts of clean, washed sand, measured by volume. |
| <p>Gypsum and Acoustic Board</p> | <ol style="list-style-type: none"> 1. Gypsum Board <ol style="list-style-type: none"> A. General: 12mm thk., Sag-Resistant complying with ASTM C36/C 36M or ASTM c 1396/C 1396M. B. Fire-Resistance-Rated Assemblies: For fire-resistance-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 119 by an independent testing agency. C. STC-Rated Assemblies: For STC-rated assemblies, provide materials and construction identical to those tested in assembly indicated according to ASTM E 90 and classified according to ASTM E 413 by an independent testing agency. D. Low-Emitting Materials: For ceiling and wall assemblies, provide materials and construction identical to those tested in assembly and complying with the testing and product requirements "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers." 2. Acoustic Board <ol style="list-style-type: none"> A. General: ASTM C 1186, Type A, Grade II, Acoustic board, noncombustible when tested according to ASTM E 136; with a flame-spread index of 25 or less when tested according to ASTM E 84. |



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| <p>Tiling</p> | <ul style="list-style-type: none"> - Tile: Homogeneous and Vitrified ceramic tile, complying with ANSI A137.1 - 600mm x 600 Unglazed Homogenous Floor tiles, 600mm x 600 Matte Homogenous Floor tiles, 400mm x 400 mat Vitrified Ceramic Floor tiles <p>A. PRODUCTS, GENERAL</p> <ol style="list-style-type: none"> 1. ANSI Ceramic Tile Standard: Provide tile that complies with ANSI A137.1 for types, compositions, and other characteristics indicated. <ol style="list-style-type: none"> a. Provide tile complying with Standard grade requirements unless otherwise indicated. 2. ANSI Standards for Tile Installation Materials: Provide materials complying with ANSI A108.02, ANSI standards referenced in other Part 2 articles, ANSI standards referenced by TCA installation methods specified in tile installation schedules, and other requirements specified. 3. Low-Emitting Materials: Tile flooring systems shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers." 4. Factory Blending: For tile exhibiting color variations within ranges, blend tile in factory and package so tile units taken from one package show the same range in colors as those taken from other packages and match approved samples. 5. Mounting: For factory-mounted tile, provide back- or edge-mounted tile assemblies as standard with manufacturer unless otherwise indicated. 6. Factory-Applied Temporary Protective Coating: Where indicated under tile type, protect exposed surfaces of tile against adherence of mortar and grout by precoating with continuous film of petroleum paraffin wax, applied hot. Do not coat unexposed tile surfaces. <p>B. TILE PRODUCTS</p> <ol style="list-style-type: none"> 1. Porcelain Floor Tile <ol style="list-style-type: none"> a. Composition: Homogeneous. b. Size: 600 mm x 600 mm x 9 mm thick. c. Finish: Polished. d. Tile Color and Pattern: Match Architect's sample. 2. Porcelain Floor Tile <ol style="list-style-type: none"> a. Composition: Homogeneous. b. Size: 600 mm x 600 mm x 12 mm thick. c. Finish: Matte. d. Tile Color and Pattern: Match Architect's sample. 3. Ceramic Floor Tile <ol style="list-style-type: none"> a. Composition: Vitrified, Non-Skid. b. Size: 400 mm x 400 mm x 7.35 mm thick. c. Finish: Unglazed. d. Tile Color and Pattern: Match Architect's sample. <p>C. THRESHOLDS</p> <ol style="list-style-type: none"> 1. General: Fabricate to sizes and profiles indicated or required to provide transition between adjacent floor finishes. |



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| | <p>D. WATERPROOF MEMBRANE</p> <ol style="list-style-type: none"> 1. General: Manufacturer's standard product, that complies with ANSI A118.10 for high performance and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by the manufacturer. <p>E. CRACK ISOLATION MEMBRANE</p> <ol style="list-style-type: none"> 1. General: Manufacturer's standard product, that complies with ANSI A118.12 for high performance and is recommended by the manufacturer for the application indicated. Include reinforcement and accessories recommended by the manufacturer. <p>F. SETTING MATERIALS</p> <ol style="list-style-type: none"> 1. Portland Cement Mortar (Thickset) Installation Materials: ANSI A108.02. <ol style="list-style-type: none"> a. Latex Additive: Manufacturer's standard water emulsion, serving as replacement for part or all of gaging water, of type specifically recommended by latex-additive manufacturer for use with field-mixed portland cement and aggregate mortar bed. 2. Dry-Set Portland Cement Mortar (Thin Set): ANSI A118.1. 3. Latex-Portland Cement Mortar (Thin Set): ANSI A118.4. <p>G. GROUT MATERIALS</p> <ol style="list-style-type: none"> 1. Standard Cement Grout: ANSI A118.6. 2. Polymer-Modified Tile Grout: ANSI A118.7. <p>H. ELASTOMERIC SEALANTS</p> <ol style="list-style-type: none"> 1. General: Provide sealants, primers, backer rods, and other sealant accessories that comply with the following requirements and with the applicable requirements in Section "Joint Sealants." <ol style="list-style-type: none"> a. Sealants shall have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24). b. Sealants shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers." c. Use primers, backer rods, and sealant accessories recommended by the sealant manufacturer. 2. Colors: Provide colors of exposed sealants to match colors of grout in tile adjoining sealed joints unless otherwise indicated. |
| <p>Acoustical Tile Ceilings</p> | <p>A. ACOUSTICAL TILES, GENERAL</p> <ol style="list-style-type: none"> 1. Source Limitations: <ol style="list-style-type: none"> a. Acoustical Ceiling Tile: Obtain each type from single source from single manufacturer b. Suspension System: Obtain each type from a single source from a single manufacturer. 2. Acoustical Tile Standard: Provide manufacturer's standard tiles of configuration indicated that comply with ASTM E 1264 classifications as designated by types, patterns, acoustical ratings, and light reflectance unless otherwise indicated. |



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| | <p>a. Mounting Method for Measuring NRC: Type E-400; plenum mounting in which face of test specimen is 400 mm away from test surface according to ASTM E 795.</p> <p>B. ACOUSTICAL TILES: "PROVIDE SAMPLE"</p> <p>1. Classification: Provide fire-resistance-rated tiles complying with ASTM E 1264.</p> <p>a. Type: Fine Fissured.</p> <p>b. Edge/Joint Detail: Square edge.</p> <p>c. Thickness: 16 mm.</p> <p>d. Modular Size: 600 mm x 600 mm or as per mfg standard</p> <p>C. SUSPENSION SYSTEMS, GENERAL</p> <p>1. Aluminum Suspension-System Standard: Subject to compliance with requirements, provide aluminum type of suspension system. Provide manufacturer's standard aluminum suspension system of type, structural classification, and finish indicated that comply with applicable requirements in ASTM C 635/C 635M.</p> <p>2. Attachment Devices: Comply with seismic design requirements, size devices five (5) times the design load indicated in ASTM C 635/C 635M, Table 1, "Direct Hung," unless otherwise indicated.</p> <p>a. Anchors in Concrete: Provide anchors of type and material indicated below, with holes or loops for attaching hangers of type indicated and with capability to sustain, without failure, a load equal to five times that imposed by ceiling construction, as determined by testing.</p> <p>b. Power-Actuated Fasteners in Concrete: Fastener system of type suitable for application indicated, fabricated from corrosion-resistant materials, with clips or other accessory devices for attaching hangers of type indicated, and with capability to sustain, without failure, a load equal to 10 times that imposed by ceiling construction, as determined by testing according to ASTM E 1190, conducted by a qualified testing and inspecting agency.</p> <p>3. Wire Hangers, Braces, and Ties: Provide wires complying with the following requirements:</p> <p>a. Zinc-Coated, Carbon-Steel Wire: ASTM A 641/A 641M, Class 1 zinc coating, soft temper.</p> <p>b. Size: Select wire diameter so its stress at three times hanger design load (ASTM C 635/C 635M, Table 1, "Direct Hung") will be less than yield stress of wire, but provide not less than Ga. 12 wire.</p> <p>4. Seismic Struts: Manufacturer's standard compression struts designed to accommodate lateral forces.</p> <p>5. Seismic Clips: Manufacturer's standard seismic clips designed and spaced to secure acoustical tiles in-place.</p> <p>D. ALUMINUM FINISHES</p> <p>1. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are unacceptable. Variations in appearance of other components are</p> |



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| | <p>acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.</p> <ol style="list-style-type: none"> 2. Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 0.04 mm. Comply with coating manufacturer's written instructions for cleaning, conversion coating, and applying and baking finish. <ol style="list-style-type: none"> a. Color and Gloss: Match Architect's sample. |
| <p>High Performance Coatings</p> | <ol style="list-style-type: none"> A. HIGH-PERFORMANCE COATINGS, GENERAL <ol style="list-style-type: none"> 1. MPI Standards: Provide products that comply with MPI standards indicated and are listed in "MPI Approved Products List." 2. Material Compatibility: <ol style="list-style-type: none"> a. Provide materials for use within each coating system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience. b. For each coat in a coating system, provide products recommended in writing by manufacturers of topcoat for use in coating systems and on substrates indicated. c. Provide products of the same manufacturer for each coat in a coating system. 3. Colors: Shall be as indicated or shall match the Architect's sample. B. BLOCK FILLERS <ol style="list-style-type: none"> 1. Block Filler, Latex, Interior/Exterior: MPI #4. 2. Block Filler, Epoxy: MPI #116. C. INTERIOR PRIMERS/SEALERS <ol style="list-style-type: none"> 1. Primer Sealer, Latex, Interior: MPI #50. 2. Wood-Knot Sealer: White shellac or other sealer recommended in writing by manufacturer for this purpose. D. METAL PRIMERS <ol style="list-style-type: none"> 1. Primer, Epoxy, Anti-Corrosive, for Metal: MPI #101. E. EPOXY COATINGS <ol style="list-style-type: none"> 1. Epoxy, Cold Cured Gloss: MPI #77. 2. Modified Aliphatic Amine Epoxy: 100 percent solid epoxy compound, two-components; used for interior topcoat for tank lining to be applied on top of capillary waterproofing system. <ol style="list-style-type: none"> a. Recommended DFT 75 microns per coat. Number of coats and thickness will vary with substrate, application method and exposure, and as per recommendation of the manufacturer. |
| <p>Interior Painting</p> | <p>- Semi-Gloss Latex Paint Finish (Plain Finish)</p> <ol style="list-style-type: none"> A. MATERIALS, GENERAL <ol style="list-style-type: none"> 1. MPI Standards: Provide products that comply with MPI standards indicated and that are listed in its "MPI Approved Products List." 2. Material Compatibility: <ol style="list-style-type: none"> a. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing |



| Work Description | Minimum Specifications |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | <p>and field experience.</p> <p>b. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.</p> <p>3. VOC Content: Products shall comply with VOC limits of authorities having jurisdiction and, for interior paints and coatings applied at Project site, the following VOC limits, exclusive of colorants added to a tint base, when calculated according to 40 CFR 59, Subpart D</p> |
| Division 10 - Specialties | |
| <p>Toilet Compartments</p> | <p>1. TOILET CUBICLES: Phenolic-Core Toilet Compartments in Laminate Finish with Stainless Steel Support and Accessories</p> <p>A.</p> <p>Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agencies.</p> <p>1.1 20mm Phenolic Toilet Partition</p> <p>A. MATERIALS</p> <ol style="list-style-type: none"> 1. Particleboard: ANSI A208.1, Grade M-2 with 20.4 kg density, made with binder containing no urea formaldehyde. 2. Adhesives: Manufacturer's standard product that complies with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers." <p>B. PHENOLIC-CORE UNITS</p> <p>B.1 MATERIALS</p> <ol style="list-style-type: none"> a. Stainless Steel: ASTM A 666, Type 304, 0.8 mm minimum nominal thickness unless otherwise indicated. b. Steel Sheet: ASTM A 1008/A 1008M, Designation CS (cold rolled, commercial steel), 0.9 mm minimum nominal thickness. c. Galvanized-Steel Sheet: ASTM A 653/A 653M, with G60 (Z180) hot-dip zinc coating. d. Galvanized-Steel Mounting Devices: ASTM A 153/A 153M, hot-dip galvanized after fabrication. e. Fasteners: Screws, bolts, and other devices of same material as accessory unit and tamper-and-theft resistant where exposed, and of galvanized steel where concealed. f. Chrome Plating: ASTM B 456, Service Condition Number SC 2 (moderate service). g. Mirrors: ASTM C 1503, Mirror Glazing Quality, clear-glass mirrors, nominal 6.0 mm thick. h. Toilet Tissue (Roll) Dispenser. <ol style="list-style-type: none"> 1. Toilet-Enclosure Style: Floor anchored. 2. Urinal-Screen Style: Wall hung. <p>C. FABRICATION</p> <ol style="list-style-type: none"> 1. General: Fabricate units with tight seams and joints, and exposed edges rolled. Hang doors and access panels with full-length, continuous hinges. Equip |



| Work Description | Minimum Specifications |
|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | units for concealed |
| Comfort Room Accessories | <ol style="list-style-type: none"> Mirror Stainless Steel Grab rail. (PWD) Stainless Steel: ASTM A 666, Type 304, |
| Division 12 - Furnishings | |
| Stone Countertops | 1. STONE COUNTERTOP: 20mm thk. Granite countertop, Comply with ASTM C615 (or as Manufacturer standard) |
| PLUMBING/ SANITARY WORKS | |
| Water Distribution System | |
| Cold Water Lines (Potable and Non-Potable) | - For risers and down-feeds: Galvanized Iron (G.I.) pipes and fittings, locally manufactured. For roughing-in of toilets: Chlorinated Polyvinyl Chloride (CPVC) pipes and fittings conforming to ASTM D2846, ASTM F493 and ASTM F441, imported, locally available. |
| Exterior Underground Water Distribution Lines | - It shall be Polyvinyl Chloride (PVC) plastic pipe conforming to AWWA C900, pressure Class 150 with cast-iron pipe equivalent OD. |
| Exterior Exposed Water Supply and Distribution Lines | - It shall be hot dipped galvanized iron pipe conforming to ASTM A53, Schedule 40. |
| Sewer Drainage System | |
| Roof Drains | - Dome type strainer with C.I. Body, locally manufactured |
| Floor Drains | - Square-Type with C.I. body, locally manufactured |
| Downspout, Exterior Gravity Sewer Lines, Interior Soil, Waste Pipe and Downspouts, Horizontal Drain Pipe | - High Density Polyethylene (HDPE) Pipes and Fittings, SDR 26, with butt-fusion joints, complying with DIN 19535 & DIN EN 1519 for pipe installations in buildings, imported, locally available. |
| Interior Vent Stacks and Vent Lines | - It shall be unplasticized polyvinyl chloride (uPVC) pipe class DWV conforming to ASTM D2729, Series 1000. |
| AHU/FCU Condensate Drain Lines | - It shall be unplasticized polyvinyl chloride (uPVC) pipe class DWV conforming to ASTM D2729 and D3311, Series 1000. Insulation shall be 25 millimeter diameter closed-cell insulation. |
| Plumbing Fixtures | |
| Water Closet | <ul style="list-style-type: none"> One Piece, Dual Flush, Push Button with Bidet Seat (verify design) Floor Mounted, Bottom Outlet ASME A112.19.2/CSA B45.1 and ASME A112.19.5. Tank type, siphon jet, floor mounted locally available. |
| Lavatory | <ul style="list-style-type: none"> Vitreous China, Wall Mounted ASME A112.19.2/CSA B45.1. Wall Hanging or Under Counter (verify design) |
| Urinals | <ul style="list-style-type: none"> Wall Mount back inlet with P-Trap ASME A112.19.2/CSA B45.1 and ASME A112.19.5. |
| Hose Bibbs | - Hose bibb shall be size 13mm (½ in.) male inlet and 19mm (¾in.) hose bibb thread connection, bronze body conforming to ASTM Specifications B62 suitable for cold water pressure up to 150psi. |
| Valves | - Valves shall have flanged end connections, except sizes smaller than 65mm may have threaded end connections with a union on one side of the valve, or solder end connections between bronze valves and copper tubing. Copper alloy and bronze valve body shall be ASTM B61 or ASTM B62 copper |



| Work Description | Minimum Specifications |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | alloy. Provide valves suitable for minimum of 125 psig and minimum of 180 degrees F hot water. |
| Kitchen Sink | - Stainless Steel with Faucet |
| Drains | - Provide cast-iron drains and clamping rings for use with membrane waterproofing, conforming to ANSI A112.21.1. |
| Pipe Hangers and Supports | - Provide MSS SP-58 and MSS SP-69, Type 1 or 6, of the adjustable cast-iron drains and clamping rings for use with membrane waterproofing, conforming to ANSI A112.21.1. |
| Elevator Pit Pumps (where required) | - Non-Clog Submersible Dewatering Pump, with Automatic Control Panel. Capacity = 20 gpm x 30 ft. TDH, approx. 3/4 HP, 1750 rpm, 230 V, 1 phase, 60 hertz. |
| <i>ELECTRICAL WORKS</i> | |
| Power and Lighting System | |
| Generator (where required) | - Generator Set (silent type) shall be provided for emergency power back-up. The unit shall consist of an engine directly connected to an alternating current generator with brushless revolving field solid state excitation system and all necessary accessories and auxiliary equipment resulting in complete self-contained unit. The engine shall be per approved design. |
| Automatic Transfer Switch (where required) | - Automatic Transfer Switch (ATS) shall be for use in emergency systems described in NFPA 70 and shall conform to applicable requirements of IEEE 472. ATS shall be the double-throw type, closed-transition type, and be incapable of stops in intermediate positions during normal functioning of the ATS. The ATS shall be electrically operated but mechanically held in both positions, with the operator momentarily receiving power from the source to which the load is to be transferred. |
| Panel Boards | - Panel boards shall be sized in accordance to the rating of the main and branch circuit breakers calculated. All breakers shall be UL 489/IEC 60947, bolt-on, and thermal magnetic type with dual-rated terminal lugs. Circuit breaker shall have a minimum interrupting capacity of 10,000 amperes. Panel boards shall be fabricated by the circuit breaker distributor's authorized panel builders. |
| Transient Voltage Surge Suppressor (where required) | - Transient Voltage Surge Suppressor (TVSS) shall be designed in accordance with UL 1449. |
| Digital Power Meter | - Digital power meter shall be Multiline EPM Series, Square D Series 800 |
| Low Voltage Cables | - Low voltage cables for lighting, power and controls shall be copper and rated 600V with 90°C operating temperature at dry and wet locations. |
| Conduits | - Metallic conduits shall comply with UL 1242. LTFMC shall be UL 360. PVC shall be thick wall and PNS 14:1983 certified. |
| Wiring Devices | - Receptacle outlets shall be duplex type grounding type, 16A, 2P, 3W, 240V. |
| Lighting Fixtures | - General lighting shall be fluorescent lighting fixtures with T8 triphosphoric lamp; electronic ballast; and housing & diffuser blending with the ceiling finishes or construction. - Emergency lights with LED headlamps, batteries and battery charger, and can provide at least 3-hour back-up time. - Fluorescent lamps shall be of quality brands. - Electronic ballast shall be of quality brands. - Interior lighting fixtures shall be of quality brands. |



| Work Description | Minimum Specifications |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Grounding System | |
| Grounding Rod | <ul style="list-style-type: none"> - Ground rod shall be UL listed, copper clad steel, 20mm diameter by 3 meters long. - Grounding connections shall be by means of exothermic welding. Connecting materials, molds and devices shall be of quality brands |
| Structured Cabling System | |
| Structured Cabling System | <ul style="list-style-type: none"> A. Horizontal cabling shall be 100Ω, 4 pairs, category 6, Unshielded Twisted Pair (UTP), 0.57mm (AWG 23), solid bare copper wire, polyethylene insulated, PVC jacketed. B. Work station outlets shall be category 6, UTP, 568A, RJ45. The outlets shall be constructed from a high impact, flame retardant thermoplastic with color coded snap-in identification. C. The distribution frame (MDF) shall link the horizontal cabling system & the backbone system. It shall be composed of passive components such as the floor mounted free-standing rack, voice and data patch panels, S110 terminal blocks, patch cords, fiber tray, connectors, and cable management system.7.3.9.4.4 All proposed category 5e field testing shall be performed with an approved level III UTP field test device. D. Structured cabling system components shall be of quality brands. |
| CCTV System | |
| CCTV System | <ul style="list-style-type: none"> A. IP based megapixels cameras shall be indoor fixed dome type or bullet type. B. All cameras shall be day and night 0 lux IR sensitive, fast video frame rates, H.264 MPEG4 and Motion JPEG compression, multi-streaming, 100 kbps to 10 Mbps data rate, and powered over Ethernet (PoE). C. Storage server shall have a storage capacity based on 30 days recording. D. Hub switch shall be PoE type, 24-ports. E. Cable from cameras to the hub switch shall be 100Ω, 4 pairs, category 5e, Unshielded Twisted Pair (UTP), 0.51mm (AWG 24), solid bare copper wire, polyethylene insulated, PVC jacketed. F. Monitor shall be a 19 inches LCD flat screen. G. CCTV cameras shall be of approved quality brand. |
| FIRE PROTECTION WORKS | |
| Wall Hydrants (Fire Hose and Valves) | <ul style="list-style-type: none"> 1. Thread and type of connection to match Integrated Bureau of Fire Protection requirements. UL Listed of FM approved. 2. Type: Single outlet as shown on the plan, wall mounted. 3. Finish: Polished brass. 4. Outlet shall have chain connected caps or plugs. |
| Portable Fire Extinguishers | <p>Furnish and install as indicated; on the drawings portable fire extinguisher, 10 lbs dry chemical type capable for type ABC fire for inside for hose cabinets, for electrical rooms equipped with electrical equipment shall be 10lbs. CO2 type portable fire extinguisher Units shall be approved by the Fire Department having jurisdiction and UL listed FM approved.</p> |
| Fire Protection Piping | <ul style="list-style-type: none"> A. Above Ground Piping Materials. <ul style="list-style-type: none"> 1. All pipes shall comply to the following standard: Black Iron, Schedule 40 pipes ASTM A53 |



| Work Description | Minimum Specifications |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | 2. Joints: 50mm dia and smaller - Threaded joints. Welded or flange joints. B. Underground Piping Materials. 1. All pipes shall comply to the following standard: Black Iron, schedule 40 pipes ASTM A53 2. Joints: 50mm dia and smaller - Threaded joints. Welded or flanged joints. |
| Fittings General | A. All fittings shall be of malleable iron fittings. B. Steel pipe flanges mating with steel equipment flanges shall have the same facing as mating flange. |
| Valves General | A. All valves shall be of the same manufacturer for each class of piping and such as possible, for the entire project. Valves shall permanently bear affixed stamp or tag indicating manufacturer, permanently bear affixed stamp or tag indicating manufacturer, catalog number, pressure and temperature ratings of gate valve, angle valves, check valves pressure relief with all cast iron body with bronze trim.; B. Valve seats shall be renewable except for forged steel and high pressure cast steel valves where manufacturer's standard is integral seats. C. All valves shall be approved by Factory manual and Underwriters Laboratories, Inc. (UL Listed) |
| Pipe Painting | A. Sprinkler head, valve stems and the like shall not be painted. B. After installation and test and before the installation of ceiling fixtures or boards, all piping shall be prime painted and coated with two coats of gloss red quick drying enamel. |
| <i>FIRE DETECTION ALARM SYSTEM</i> | |
| Fire Alarm Control System | A. Fire Alarm Control Panel (FACP), shall be UL listed, microprocessor based addressable type with full capability for sensing smoke detectors, heat detectors, and manual stations. B. Detectors and manual pull stations shall be of the addressable type and UL listed. C. Alarm horn with strobe shall be capable of providing 105dB sound level at 3 meters. D. Fire alarm panel, detectors and signaling devices shall be of quality brands. |
| <i>MECHANICAL WORKS</i> | |
| Elevator | <ul style="list-style-type: none"> - 4-6 Passenger - 2.5-3 sec travel time - Machine-Room-Less (MRL) - Verify Design |
| Air Conditioning System | <ul style="list-style-type: none"> - Verify Design |
| Split-Type Inverter Units | <p>Split systems are where the compressor and outdoor heat exchanger are located outside, some distance from the indoor air-handling unit.</p> <p>They are joined together by refrigerant lines.</p> <ol style="list-style-type: none"> 1. Condensing Unit complete with hermetically sealed variable speed compressor, crankcase heater, vibration isolators, air-cooled condenser fan with motor, pre-wired starters, control and safeties all housed in a weatherproofed and rust resistant steel enclosure. 2. Fan Coil unit “free-blow” inverter type complete with evaporator coil refrigerant expansion device, thermostat, 3-speed fan switch, centrifugal type blower, air filters, |



| Work Description | Minimum Specifications |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | condensate drip pan and decorative cabinet with supply and return air grilles. Such fan coil units shall have met the criteria set by ANSI/AHRI 440-2008: Standard for Performance Rating of Room Fan Coils |
| Fan Coiled Units | - Wall mounted multi speed fan coil unit complete with wired thermostat control, disconnect switch, built in drain lift mechanism, vibration isolators, supports and other standard accessories. |
| Fans | - Ceiling mount type exhaust fan complete with backdraft damper, fanswitch and other standard accessories. Interlock operation with light switch. |

Prepared by:

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Planning Officer III



Section VII. Drawings



Section VIII. Bill of Quantities



IB-2024-07-17 INCREASE IN CARRYING CAPACITY OF NURSING AND ALLIED HEALTH PROGRAMS

Proposed Bill of Quantities (BOQ)

| ITEM NO. | DESCRIPTION | QUANTITY | UNIT |
|-------------|--------------------------------------------------|-----------|-------|
| (1) | (2) | (3) | (4) |
| B.3 | Permits and Clearances | 1.00 | l.s. |
| B.5 | Project Billboard | 1.00 | each |
| B.7 | Occupational Safety and | 16.00 | mo |
| B.9 | Mobilization/ Demobilization | 1.00 | l.s |
| B.25 | Detailed Architectural and Engineering Design | 1.00 | l.s. |
| 803 (1)a | Structure Excavation (Common Soil) | 1.00 | l.s |
| 803 (1) c | Structure Excavation (Solid Rock) | 1,179.02 | cu.m. |
| 804 (4) | Gravel Fill | 18.00 | cu.m. |
| 900 (1) c1 | Structural Concrete (Ready Mix, Class A, 28 days | 1,454.04 | cu.m. |
| 902 (1) a1 | Reinforcing Steel, Grade 40 | 52,475.05 | kgs |
| 903 (2) | Formworks and Falseworks | 1,203.17 | sq.m. |
| 1046 | Masonry Works | 495.51 | sq.m. |
| 1010 (1) | Wooden Frames | 25.00 | sets |
| 1010 (2) | Doors (Wooden Hollow Core Door) | 7.35 | sq.m. |
| 1010 (2) b | Doors (Panel Door) | 54.86 | sq.m. |
| 1008 (1) a | Aluminum Framed Glass Windows | 8.37 | sq.m. |
| 1008 (1) d | Aluminum Framed Glass Windows | 97.98 | sq.m. |
| 1016 (1) | Waterproofing | 326.96 | sq.m. |
| 1018 (2) | Unglazed Tiles | 828.22 | sq.m. |
| 1032 (1)a | Masonry Painting | 495.51 | sq.m. |
| 1001 (8) | Sewer Line Works | 1.00 | l.s. |
| 1002 (6) | Cold Water Line Works | 1.00 | l.s. |
| 1001 (1) | Downspout/Storm Drain | 1.00 | l.s. |
| 1002 (5) | Sanitary/Plumbing Fixtures | 1.00 | l.s. |
| SPL | Septic Vault | 1.00 | l.s. |
| 1001 (6) b1 | Catch Basin | 3.00 | ea |
| 1100 (19) | Conduits, Boxes & Fittings | 1.00 | l.s |
| 1101 (18) | Wires & Wiring Devices | 1.00 | l.s |
| 1102 (21) | Panel Board | 1.00 | l.s |
| 1003 (1) | Lighting Fixtures | 1.00 | l.s |
| 1208 (1) | Fire Alarm System | 1.00 | l.s |
| 1051 | Railing | 110.56 | m |
| 1200 (1) | Ventilating Equipment | 3.00 | l.s. |
| 1200 (13) a | Airconditioning | 23.00 | sets |
| 1202 (1) | Automatic Fire Sprinkler System (AFSS) | 1.00 | l.s |
| 1204 | Dumbwaiter | 1.00 | l.s |
| 103 (1) c | Electrical Elevator | 1.00 | l.s |
| | TOTAL | | |

Prepared by:

PHYSICAL PLANT AND INFRASTRUCTURE DEVELOPMENT PLAN



Section IX. Checklist of Technical and Financial Documents



Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

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

Technical Documents

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

Financial Documents

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



Class “B” Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

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



Section X. Bidding Forms



ANNEX A

**STATEMENT OF BIDDER’S ONGOING GOVERNMENT & PRIVATE CONTRACTS INCLUDING
CONTRACTS AWARDED BUT NOT YET STARTED**

[shall be submitted with the Bid]

Business Name:
Business Address:

| Name of Contract | Date of the Contract | a) Owner’s Name b) Address c) Telephone No. | Nature of Work | Contractor’s Role (Whether sole contractor, subcontractor, or partner in a JV) and percentage of participation | | Contract Duration | Total Contract Value at Award | Date of completion/ Estimated completion time | a. Total contract value at completion b. % of planned and actual accomplishments c. Value of outstanding works |
|--------------------------|----------------------|---------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|---|-------------------|-------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| | | | | Description | % | | | | |
| <u>Government</u> | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| <u>Private</u> | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Note: This statement shall be supported with:

1. Notice of Award and Contract (Government and Private Contracts)
2. Sales Invoices (Private Contracts)

Submitted by : _____
(Printed Name and Signature)

Designation : _____

Business Name : _____

Date : _____



ANNEX B

STATEMENT OF BIDDER'S SINGLE LARGEST COMPLETED CONTRACT
[shall be submitted with the Bid]

Business Name:
 Business Address:

| Name of Contract | Date of the Contract | a) Owner's Name b) Address c) Telephone No. | Nature of Work | Contractor's Role (Whether sole contractor, subcontractor, or partner in a JV) and percentage of participation | | Contract Duration | Total Contract Value at Award | Date of completion | a. Total contract value at completion b. % of planned and actual accomplishments |
|------------------|----------------------|---------------------------------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|---|-------------------|-------------------------------|--------------------|-------------------------------------------------------------------------------------|
| | | | | Description | % | | | | |
| | | | | | | | | | |

**Statement of Single Largest Completed which is similar in nature for the past two (2) years*

Note: This statement shall be supported with:

1. Notice of Award and Contract (Government and Private Contracts)
2. Sales Invoices (Private Contracts)
3. Project Owner's Certificate of Final Acceptance issued by the Owner other than the Contractor or 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.

Submitted by : _____
(Printed Name and Signature)

Designation : _____

Business Name : _____

Date : _____



ANNEX C

Bid Securing Declaration Form

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

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

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

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

I/We, the undersigned, declare that:

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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



ANNEX D

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

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

AFFIDAVIT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]
Affiant

[Jurat]

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



ANNEX E

FORMAT OF JOINT VENTURE AGREEMENT (JVA)

KNOW ALL MEN BY THESE PRESENTS:

That this JOINT VENTURE AGREEMENT is entered into by and between:

(Name of Company), a corporation duly organized and registered under Philippine law, with principal office address at (address), and represented herein by (Position), (Name)

-and-

(Name of Company), a corporation duly organized and registered under Philippine law, with principal office address at (address), and represented herein by (Position), (Name)

That the above parties are duly authorized by their respective corporations to enter into and bind their respective corporations to a Joint Venture Agreement, pursuant to a valid Board Resolution issued by their respective Board of Directors/Trustees.

That all parties agree to join together their manpower, equipment, and what is needed to establish a project-specific Joint Venture for the purpose of bidding, and if successful, undertaking of the hereunder stated project of the NATIONAL ECONOMIC AND DEVELOPMENT AUTHORITY (NEDA).

| NAME OF PROJECT | ABC |
|-----------------|-----|
| | |

That both parties agree to be jointly and severally liable for the entire assignment.

That both parties agree that (Name of Company) shall act as the lead organization and (Name of Company) as partner organization; and (Name of Company), as the lead organization, will oversee the administration and content of the eligibility and proposal submissions, coordinate with NEDA on any matter that needs attending to, and implement the project in the event that the joint venture wins the bid.

That both parties agree that (Name), (Position), of (Name of Company), shall be the Official Representative of the Joint Venture, and is granted full power and authority to do, to execute, and perform any and all acts necessary, and/or to represent the Joint Venture in the entire bidding and implementation process, as fully and effectively as the Joint Venture may do so as if personally present, without prejudice to the authority of the Joint Venture partners to exercise their power of substitution and revocation.

That this Joint Venture Agreement shall remain in effect only for the above stated Project until terminated by both parties or in the event of an unsuccessful bidding.



In witness thereof, we have hereunto affixed our signatures this _____ day of _____ 2024 at _____.

(Name of Company)

by:

(Name) (Position)

(Name of Company)

by:

(Name) (Position)

WITNESSES:

(Signature of Witness)

(Name of Witness)

Address:

(Signature of Witness)

(Name of Witness)

Address

ACKNOWLEDGEMENT

BEFORE ME, a Notary Public for and in the (City/Province/Municipality) of _____ this _____ day of _____ 2021, personally appeared:

| NAME | ID PRESENTED/ EXPIRATION | PLACE OF ISSUE |
|------|--------------------------|----------------|
| | | |
| | | |

known to me and to me known to be the same persons who executed the foregoing instrument which they acknowledged to me to be their free and voluntary act and deed, consisting of page/s, including this page in which this Acknowledgement is written, duly signed by them and their instrumental witnesses on each and every page hereof.

Doc. No. _____

Page No. _____

Book No. _____

Series of _____.



ANNEX F

Bid Form for the Procurement of Infrastructure Projects

[shall be submitted with the Bid]

BID FORM

Date: _____

Project Identification No.: _____

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

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines¹ for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any

¹ currently based on GPPB Resolution No. 09-2020



other Bid that you may receive.

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

Name: _____

Legal Capacity: _____

Signature: _____

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

Date: _____

