

PHILIPPINE BIDDING DOCUMENTS

**IMPLEMENTATION OF
THE PROJECT:
COMPLETION OF
DORMITORY BUILDING
II**

of

Philippine Science High School –
MIMAROPA Region Campus
Barangay Rizal, Odiongan, Romblon

**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

Notes on the Invitation to Bid

The Invitation to Bid (IB) provides information that enables potential Bidders to decide whether to participate in the procurement at hand. The IB shall be posted in accordance with Section 21.2 of the 2016 revised IRR of RA No. 9184.

Apart from the essential items listed in the Bidding Documents, the IB should also indicate the following:

- a. The date of availability of the Bidding Documents, which shall be from the time the IB is first advertised/posted until the deadline for the submission and receipt of bids;
- b. The place where the Bidding Documents may be acquired or the website where it may be downloaded;
- c. The deadline for the submission and receipt of bids; and
- d. Any important bid evaluation criteria.

The IB should be incorporated into the Bidding Documents. The information contained in the IB must conform to the Bidding Documents and in particular to the relevant information in the Bid Data Sheet.

Philippine Science High School – MIMAROPA Region Campus

Invitation to Bid for *Implementation of the Project: COMPLETION OF DORMITORY BUILDING II*

1. The ***Philippine Science High School – MIMAROPA Region Campus***, through the ***General Appropriations Act (GAA) 2024*** intends to apply the sum of ***Ten Million Pesos (Php10,000,000.00)*** being the Approved Budget for the Contract (ABC) to payments under the contract for ***Implementation of the Project: COMPLETION OF DORMITORY BUILDING II / PR No. 2024-02-PR011***. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The ***Philippine Science High School – MIMAROPA Region Campus*** now invites bids for the above Procurement Project. Completion of the Works is required ***within Two Hundred Forty (240) Calendar Days***. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” 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 ***BAC Secretariat, Philippine Science High School – MIMAROPA Region Campus*** and inspect the Bidding Documents at the address given below from ***8:00 AM to 5:00 PM Monday to Friday except Weekends and Holidays***.
5. A complete set of Bidding Documents may be acquired by interested bidders on ***February 13, 2024 to March 4, 2024*** from given address and website/s below ***Philippine Science High School – MIMAROPA Region Campus, Barangay Rizal, Odiongan, Romblon and www.mrc.pshs.edu.ph***; and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of ***Ten Thousand Pesos (Php10,000.00)***. The Procuring Entity shall allow the bidder to present its proof of payment for the fees ***will be presented in person***. The bidding fee is waived for the contractors who have paid the bidding fee for the first and second bidding of this project.
6. The ***Philippine Science High School – MIMAROPA Region Campus*** will hold a Pre-Bid Conference¹ on ***February 21, 2024, 10:00am*** at ***FAD Conference Room, PSHS – MRC, Brgy. Rizal, Odiongan, Romblon*** and/or through videoconferencing/webcasting ***via Microsoft Teams*** ***<http://tinyurl.com/PreBidConfCompletionofDormII>*** which shall be open to prospective bidders.

¹ May be deleted in case the ABC is less than One Million Pesos (PhP1,000,000) where the Procuring Entity may not hold a pre-bid conference.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, ***Philippine Science High School – MIMAROPA Region Campus, Barangay Rizal, Odiongan, Romblon*** on or before ***March 4, 2024***. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
9. Bid opening shall be on ***March 4, 2024, 10:00am*** at the given address below ***FAD Conference Room, PSHS – MRC, Brgy. Rizal, Odiongan, Romblon*** and/or through ***via Microsoft Teams, <http://tinyurl.com/BidOpeningDormII2024>***. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. *[Insert such other necessary information deemed relevant by the Procuring Entity such as the use of a back-up data or cloud storage for large files uploaded for online bid submissions]*
11. The ***Philippine Science High School – MIMAROPA Region Campus*** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
12. For further information, please refer to:

BAC Secretariat

*Philippine Science High School – MIMAROPA Region Campus
Barangay Rizal, Odiongan, Romblon
bacsec@mrc.pshs.edu.ph
0906-591-5253; 0961-074-0071*

13. You may visit the following websites:

For downloading of Bidding Documents: *www.mrc.pshs.edu.ph*

[If applicable] For online bid submission: [Indicate website]

[Date of Issue]



WOODRITZ F. RABINO
BAC Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

This Section on the Instruction to Bidders (ITB) provides the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Entity. It also provides information on bid submission, eligibility check, opening and evaluation of bids, post-qualification, and on the award of contract.

1. Scope of Bid

The Procuring Entity, *Philippine Science High School – MIMAROPA Region Campus, Barangay Rizal, Odiongan, Romblon* invites Bids for *the Completion of Dormitory Building II, with Project Identification Number PR No. 2024-02-PR011*.

[Note: The Project Identification Number is assigned by the Procuring Entity based on its own coding scheme and is not the same as the PhilGEPS reference number, which is generated after the posting of the bid opportunity on the PhilGEPS website.]

The Procurement Project Construction of Dormitory Building I (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 *General Appropriations Act of 2024* in the amount of *Ten Million Pesos (Php10,000,000.00)*.

2.2. The source of funding is:

a. NGA, the General Appropriations Act of 2024.

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:

- a. Subcontracting is allowed.
- 7.1. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor’s own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address *February 21, 2024, 10:00am* at *FAD Conference Room, PSHS – MRC, Brgy. Rizal, Odiongan, Romblon* and/or through videoconferencing/webcasting *via Microsoft Teams* <http://tinyurl.com/PreBidConfCompletionofDormII> as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. PCAB License (Small B – Building and Industrial Plant; License Category C & D), Environmental Compliance Certificate (ECC), Building Permit, Bureau of Fire Protection (BFP) Permit, Contractor's Registration Certificate from DPWH, Mayor's Permit/Business Permit, SEC Registration/DTI/CDA (whichever is applicable), BIR Registration, Omnibus Sworn Statement is required. 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:*

- a. 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 **One Hundred Twenty (120) Days**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit three (3) copies of the first and second components of its Bid.

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

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

- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.
- 19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

The Bid Data Sheet (BDS) consists of provisions that supplement, amend, or specify in detail, information, or requirements included in the ITB found in Section II, which are specific to each procurement.

This Section is intended to assist the Procuring Entity in providing the specific information in relation to corresponding clauses in the ITB and has to be prepared for each specific procurement.

The Procuring Entity should specify in the BDS information and requirements specific to the circumstances of the Procuring Entity, the processing of the procurement, and the bid evaluation criteria that will apply to the Bids. In preparing the BDS, the following aspects should be checked:

- a. Information that specifies and complements provisions of the ITB must be incorporated.
- b. Amendments and/or supplements, if any, to provisions of the ITB as necessitated by the circumstances of the specific procurement, must also be incorporated.

Bid Data Sheet

ITB Clause																			
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>Such as but not limited horizontal construction, mechanical works, and electrical works.</i>																		
7.1	<i>Sub-contracting is not allowed.</i>																		
10.3	PCAB License (Small B – Building and Industrial Plant; License Category C & D), Environmental Compliance Certificate (ECC), Contractor’s Registration Certificate from DPWH, Mayor’s Permit/Business Permit, SEC Registration/DTI/CDA (whichever is applicable), BIR Registration, Omnibus Sworn Statement. <i>Note: The Environmental Compliance Certificate (ECC), Building Permit, Bureau of Fire Protection (BFP) Permit, and Contractor’s Registration Certificate from DPWH will be submitted as part of the eligibility checklist and are not required to be submitted on the date of submission/bid opening. Instead, these documents will be submitted upon contract implementation and form part of additional contract agreement documents.</i>																		
10.4	The key personnel must meet the required minimum of years of experience set below: <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Key Personnel</u></th> <th style="text-align: center;"><u>General Experience</u></th> <th style="text-align: center;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td><i>Project Manager</i></td> <td style="text-align: center;"><i>5 years</i></td> <td style="text-align: center;"><i>5 years</i></td> </tr> <tr> <td><i>Project Engineer (Civil)</i></td> <td style="text-align: center;"><i>5 years</i></td> <td style="text-align: center;"><i>5 years</i></td> </tr> <tr> <td><i>Safety Officer</i></td> <td style="text-align: center;"><i>5 years</i></td> <td style="text-align: center;"><i>5 years</i></td> </tr> <tr> <td><i>First Aider</i></td> <td style="text-align: center;"><i>5 years</i></td> <td style="text-align: center;"><i>5 years</i></td> </tr> <tr> <td><i>Foreman</i></td> <td style="text-align: center;"><i>5 years</i></td> <td style="text-align: center;"><i>5 years</i></td> </tr> </tbody> </table> <i>Note: For Contractors with existing projects in PSHS-MRC, Construction personnel should be different from awarded projects except Electrical, Mechanical, and Sanitary Engineer, which may be the same in the existing projects.</i> <i>The CONTRACTOR may, as needed and at its own expense, add additional professionals and/or support personnel for the optimal performance of all Architectural and Engineering Design Services, as stipulated in these Terms of Reference for the PROJECT. Prospective bidders shall attach each individual’s resume and PRC license of the (professional) staff, proof of qualifications, and related documents as necessary.</i>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	<i>Project Manager</i>	<i>5 years</i>	<i>5 years</i>	<i>Project Engineer (Civil)</i>	<i>5 years</i>	<i>5 years</i>	<i>Safety Officer</i>	<i>5 years</i>	<i>5 years</i>	<i>First Aider</i>	<i>5 years</i>	<i>5 years</i>	<i>Foreman</i>	<i>5 years</i>	<i>5 years</i>
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<i>Foreman</i>	<i>5 years</i>	<i>5 years</i>																	
10.5	There is no major equipment required.																		
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: a. The amount of not less than (2%) of ABC, if bid security is in cash, cashier’s/manager’s check, bank draft/guarantee or irrevocable letter of credit;																		

	The amount of not less than <i>(5%) of ABC</i> if bid security is in Surety Bond.
19.2	b. Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	<i>PCAB License (Small B – Building and Industrial Plant; License Category C & D), Environmental Compliance Certificate (ECC), Permit, Contractor’s Registration Certificate from DPWH, Mayor’s Permit/Business Permit, SEC Registration/DTI/CDA (whichever is applicable), BIR Registration, Omnibus Sworn Statement, and other permits as may be required by the law.</i>
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

The General Conditions of Contract (GCC) in this Section, read in conjunction with the Special Conditions of Contract in Section V and other documents listed therein, should be a complete document expressing all the rights and obligations of the parties.

Matters governing performance of the Contractor, payments under the contract, or matters affecting the risks, rights, and obligations of the parties under the contract are included in the GCC and Special Conditions of Contract.

Any complementary information, which may be needed, shall be introduced only through the Special 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

Notes on the Special Conditions of Contract

Similar to the BDS, the clauses in this Section are intended to assist the Procuring Entity in providing contract-specific information in relation to corresponding clauses in the GCC found in Section IV.

The Special Conditions of Contract (SCC) complement the GCC, specifying contractual requirements linked to the special circumstances of the Procuring Entity, the Procuring Entity's country, the sector, and the Works procured. In preparing this Section, the following aspects should be checked:

- a. Information that complements provisions of the GCC must be incorporated.
- b. Amendments and/or supplements to provisions of the GCC as necessitated by the circumstances of the specific purchase, must also be incorporated.

However, no special condition which defeats or negates the general intent and purpose of the provisions of the GCC should be incorporated herein.

Special Conditions of Contract

GCC Clause	
2	The Intended Completion Date will be agreed upon prior to the contract signing.
4.1	The Start Date will be agreed upon prior to the contract signing
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
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><i>[In case of semi-permanent structures, such as buildings of types 1, 2, and 3 as classified under the National Building Code of the Philippines, concrete/asphalt roads, concrete river control, drainage, irrigation lined canals, river landing, deep wells, rock causeway, pedestrian overpass, and other similar semi-permanent structures:]</i> Five (5) years.</p>
10	a. Dayworks are applicable at the rate shown in the Contractor’s original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity’s Representative within 30 days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>1/10 of 1% of Contract Cost/day.</i>
13	The amount of the advance payment <i>shall not exceed 15% of contract cost upon submission of necessary documentary requirements.</i>
14	<p>Materials and equipment delivered on the site but not completely put in place shall not be included for payment.</p> <p>The 15% advance payment will be recouped on the progress payments</p>
15.1	<p>The date by which operating, and maintenance manuals are required is <i>after 90% of completion.</i></p> <p>The date by which “as built” drawings are required is <i>after 90% of completion.</i></p>
15.2	The amount to be withheld for failing to produce “as built” drawings and/or operating and maintenance manuals by the date required is <i>1/10 of 1% of Contract Cost.</i>

Section VI. Specifications

Notes on Specifications

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

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

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

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

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall

apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

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

TECHNICAL SPECIFICATIONS

COMPLETION OF DORMITORY BUILDING II PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGION CAMPUS BARANGAY RIZAL, ODIONGAN, ROMBLON

I. BACKGROUND

The **PHILIPPINE SCIENCE HIGH SCHOOL-MIMAROPA Region Campus (PSHS-MRC)** through the approved allocation for capital outlays under General Appropriations Act (GAA) of 2024 intends to apply the sum of **TEN MILLION PESOS ONLY (₱10,000,000.00)** being the approved budget of the contract for the implementation of the project **Completion of Dormitory Building II** with the project duration of Two Hundred Forty (**240**) calendar days.

II. PROJECT DESCRIPTION

The project will involve the **Completion of Dormitory Building II** of the Philippine Science High School - MIMAROPA Region Campus, Rizal, Odiongan, Romblon which will include but not limited to:

- External wall finishes
- Interior wall finishes
- Floor finishes
- Installation of toilet fixtures and toilet partitions
- Tapping of fire water line
- Tapping of the main water line
- Installation of lighting fixtures and public address system

III. TECHNICAL SPECIFICATIONS

ARCHITECTURAL WORKS

1. Floor Finishes
 - a. Toilet and bathroom shall be finished unglazed. Toilet floor tiles shall be 600mm x 600mm vitrified ceramic tiles. Sizes may vary upon advice by the end user.
 - b. The walls of toilets and bathrooms shall be 1/2 height of 300mm x 600mm vitrified ceramic tiles.
 - c. Use tile adhesive and not Portland cement as an alternative.
 - d. Provide at least 25mm drop finish from room FFL. to toilet FFL.
 - e. Submit tile sample for approval prior to installation.
 - f. All rooms floor and stair finishes shall be smooth plain cement in chlorinated rubber paint finish except for toilets.
2. Painting
 - a. All painting works except as hereinafter specified, shall be BOYSEN PAINTS or approved equal.

- b. For Exterior walls - use Elastomeric paint, 1 primer coat, spot putty and sanding, 2-finishing coat including surface preparation (skim coating).
 - c. For Interior walls – 2 to 3 skim coat application, 1 to 2 coats of flat latex primer, 2 finishing coats of semigloss latex paint including surface preparation.
 - d. For ceiling paints, apply 2 coats of white flat latex paint including surface preparation (use skim coat for slab soffit).
 - e. Verify color scheme / swatches for final approval.
3. Windows
- a. Window frames shall be 768 High-end aluminum profile in powder coated finish or approved equal.
 - b. Windows shall be ¼” thk. annealed glass
 - c. Provide all necessary hardware as per approved by PSHS including rubber gaskets and sealants. Prior to installation, make sure to have at least primer paint the perimeter of window opening.
4. Doors
- a. Door panels shall conform to the standard specs as specified in the drawings.
 - b. Provide Hafele brand stainless-steel door knob and hinges or approved equal for lockset and accessories in all door panels.
 - c. Glass doors shall be ¼” thk. annealed glass in powder coated aluminum frame finish. Provide a sample for approval.
 - d. Fire exit door shall conform to the Fire Code requirements
5. Grills
- a. Provide steel grills at balcony area in front and rear side openings of the bldg. for security purposes.
 - b. Finish should be in an epoxy primer and quick drying enamel for topcoat.
 - c. Provide sample details for approval.
6. Stairs
- a. Provide stair nosing for all steps.
7. Front and Rear Canopy – Driveway
- a. Canopy should be cladded in Aluminum Composite Panel (ACP) and will serve also as a roofing for canopy.
8. Waterproofing Works
- a. Provide a minimum of 2 coats of flexible type cementitious waterproofing in all toilets, concrete tanks and roof decks. Brand shall be Bostik powermix or approved equal.
9. Metal Works
- a. All handrails shall be stainless steel (S304) materials
 - b. Other steel works shall be painted with epoxy primer paint, top coat shall be quick drying enamel.

ELECTRICAL WORKS

1. All electrical works herein shall be done in accordance with these plans and specifications, the applicable provisions of the latest edition of the Philippine Electrical Code, the rules and regulations of the local enforcing authority and the requirements of the local power and telephone companies. The electrical works shall be under immediate supervision of a duly licensed Electrical Engineer.
2. Power service to the building shall be 230 volts, Single Phase 60HZ, AC power source, 2-wire + 1-ground.
3. All electrical wiring installation such as lighting, power, fire alarm & CCTV system to be used shall be polyvinyl chloride (PVC) pipe. "Schedule 40"
4. Unless otherwise specified, the minimum size of wire shall be 3.5mm THW/THHN2 and conduit shall be 20mm ϕ electrical trade size.
5. All wire shall be copper and thermoplastic insulated type "THHN/THWN" unless otherwise indicated in the plans and shall be manufactured by Phelps dodge or approved equal.
6. All outlet boxes shall be galvanized gauge no. 16, deep type with factory knockouts. Cover all junction boxes (no exposed wire)
7. All wiring devices shall be "National" or approved equal.
8. All materials to be used shall be brand new and must be approved for the particular location and purpose intended.
9. Provide flexible metal conduit and sufficient mica tube from junction boxes to lighting fixtures.

FIRE PROTECTION

1. PIPINGS

- a. Where American Standards are specified, other approved national or local standards may be acceptable, provided copies of these standard Specifications are forwarded to the Engineer for his written DRY CHEMICAL approval.
- b. Black iron, schedule 40 standards, conforming to ASTM A-53 for pipe sizes 150 mm dia. and above only (wet)
- c. Black iron, schedule 40 pipes, standard, conforming to ASTM A-120 for inside building installations (feed mains, cross mains and branch lines)
- d. All fire line piping shall be installed by means of screwed or flanged fittings. Flanged joint shall be used at all sprinkler risers and provided with 1.6 mm thick long neophrene gasket.
- e. Torch cutting shall not be permitted as means of modifying or repairing sprinkler system.

All welding shall be "shop welding" only and shall be done by electric arc welding process.

2. FITTINGS

- a. Sprinkler system fitting shall be extra heavy pattern. Whenever a change in pipe size is made, one piece of reducing fitting shall be used. Provide mechanical grooved couplings at riser pipes of every floor.
- b. All fittings shall be of malleable iron fittings.

- c. Steel pipe flanges mating with steel equipment flanges shall have the same facing as mating flange.
- d. Screwed union shall not be used on pipes larger than 50 mm (2"). Coupling and unions of pipes other than screwed type shall be of types approved specifically for sprinkler used.

3. VALVES

- a. All valves shall be of the same manufacture for each class of piping. Valves shall permanently bear affixed stamp or tag indicating manufacturer, catalog number, pressure and temperature ratings of isolation gate valve, OS & Y gate valves, angle valves, check valves, fire alarm check valve, pressure relief valves with all cast iron body with bronze trim.
- b. Furnish all valves and accessories material necessary for piping not shown on drawings as follows:
 - 1. Vents and drains for equipment to which piping connections are made.
 - 2. Connections to metering instruments and controls including pressure gauges, thermometer, controllers, traps and appurtenances required for proper functioning on instruments in controls.
 - 3. Temporary valves and accessories required for placing equipment into initial service.
 - 4. Piping 50 mm (2") and smaller required for proper operation of piping system and equipment, including drain valves required to drain all low points in piping.
- c. Valve seats shall be renewable except for forged steel and high pressure cast steel valves where Manufacturer's standard is integral seats.
- d. All valves shall be approved by Factory Manual and Underwriters Laboratories, Inc. (UL listed) in accordance with ANSI B 16.1, class 125.
- e. Where required and not noted, provided chain - wheel operators, extending chain for chain operated valves to which 1.2 meters of nearest floor or operating platform of valves.
- f. Provide floor stand with flanged faces for bolting to floor or platforms and other special devices where specified or noted on drawings.
- g. Provide extension stems, universal joints stem guide bearings and other accessories required to locate floor stands in convenient location with interference with other equipment, piping or building parts.
- h. Floor control valves within the building shall be approved indicating wedge gate with electrical contact and which will open when valve is partially or totally put in close position.

4. SWAY BRACES, HANGERS, SUPPORTS AND SEISMIC BRACINGS

- a. Sway Bracing : Steel flat bars, structural grade 7 mm minimum thickness, with corrosion protection; shape /or type as shown on plans.
 1. Sway Bracings Installation;
 - 1.1 Adequate sway bracing shall be provided to oppose longitudinal or transverse pipe movements.
 - 1.2 Lateral bracings shall withstand a force equal to 50% of the weight of the water contained in piping, valves and fittings. Spacing shall be 40 ft. (12m) maximum distances along main lines.
 - 1.3 Longitudinal bracing shall withstand a force equal to 50% of the weight of crossmain and feedmain within the zone of water contained in piping, valves and fittings. Spacing shall be 80 ft. (24 m) maximum distances along main lines.
 - 1.4 Piping anchorages shall not be secured on two (2) dissimilar parts of the building which will move differently.

- b. Pipe Hangers: Steel flat bars, structural grade, 7 mm minimum thickness, with corrosion protection, shape as shown on plans and 13 mm diameter bars with corrosion protection as shown on plans.
 1. Hangers Installation
 - 1.1 Approved inserts may be used for the support of hangers, anchorages in concrete. Expansion shield should be used in a horizontal position on the sides of concrete beams and shall be above the bottom reinforcements.
 - 1.2 Increaser couplings shall be attached immediately adjacent to the expansion shields.
 - 1.3 When pipes 100 mm diameter and larger are supported in the vertical position, the supports shall be at a minimum spacing of 3.0 meters (10') on center. Holes in concrete for expansion shield shall be made of the proper size and depth, as specified for the type of shield used, to provide a uniform contact with the shield over its entire length and circumference.
 - 1.4 Maximum distance between hangers shall be 3.65 meters (12') for size mm (1"). Provide at least one hanger for each length of branch line, one between each two cross main branches, one hanger for each 4.75 meters (15') length of feed mains. The distance between the hanger and the canter line of upright sprinkler shall be not less than 76 mm (3").

- c. Support on Risers (Four Way Bracing)

Risers shall be adequately supported either by attachments directly to the riser or by hangers located on the horizontal connections close to the risers. Supports shall be provided at the ground level and for every second level and at the topmost level of the riser.

d. Seismic Separation Bracing

Seismic separation assembly shall be provided at every piping crosses at every construction joint of the building Separation assembly shall composed of fittings, pipe, and approved Victaulic coupling that permits movement in all directions and is sufficient to withstand differential motion during an earthquake. For nominal 4" dia. (100 mm) and above sizes of pipes the separation distances shall not exceed 8 inches (203 m) maximum. For other separation distances and pipe sizes, lengths, and distances should be modified proportionally.

e. Restraints

Install seismic restraints on piping. Comply with requirements in NFPA 13 for seismic-restraint device materials and installation.

5. PIPE PAINTINGS

- a. Sprinkler heads, 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.

6. ACCEPTANCE TESTS

- a. The Contractor shall conduct tests in the presence of an inspector or authority having jurisdiction.
- b. Isolated leak tests or partial tests of areas may be performed prior to installation of ceiling materials in the area to preclude any damage and during the total system final tests.
- c. To remove foreign materials which may have entered the piping during installation of same, flushing or underground connection is required before sprinkler piping is connected.
- d. Hydrostatic Tests:
 1. Minimum tests pressure shall not be less than to 200PSI on the system pressure. Exceeding System pressure requirements to the minimum test pressure shall be tested applying additional test pressure of 50PSIG on the system for at least twenty four (24) hours minimum.
 2. No visible leakage for inside sprinkler piping will be allowed. Fore underground mains and laid - ins, exceeding the permissible leakage or joints necessary repair shall be made.

3. All control valve water pressure to insure proper operating tests. Use clean, non - corrosive water.
4. Fire connection shall be tested.
- e. The Contractor shall furnish the Owner a written statement to the effect that the work covered by the Contract has been completed and tested, before requesting for final approval of the installation from the Fire Department Authority.
- f. Testing of drainage facilities shall be made by opening the main drain valve while the control valve is wide open.
- g. Test certificate shall be filled out and signed by the Owner's and Contractor's representative.
- h. System operations and maintenance chart shall be submitted to the Owners upon completion of the Contract. This shall include, among others, the locations of the control valves and care of the new equipment.

PLUMBING AND SANITARY WORKS

1. All plumbing works included herein shall be executed according to the provision of the Philippine Plumbing code, the national building code & the rules & regulations of the city or municipality where the project will be built.
2. Coordinate the plumbing drawing with other related drawings and specification, the engineer shall be notified immediately of any discrepancy found therein.
3. All pipes shall be installed as indicated on plans, any relocations required for proper execution of other trades shall be with prior approval of the architect or engineer.
4. Proposed sanitary utilities shall conform to the actual location, depth and invert elevation of all existing pipes and structure as verified by the contractor.
5. Refer to architectural plans for area drain, catch basin, floor drains and clean out location.
6. All slopes for horizontal drainage shall maintain 2% unless otherwise specified.
7. Size of water supply pipes to fixtures shall be in accordance with the manufacturer's instructions.
8. The contractor shall verify all existing utilities at site, coordinate the works with the line service connecting point unless otherwise specified.
9. All pipe sizes and dimensions are in millimeters unless otherwise specified.
10. All hangers shall not be anchored at purlins, unless otherwise approved by the structural engineer.
11. Material specifications
 - a. Water lines- riser, down feed, main distribution and tapping water lines shall be galvanized iron pipe (G.I.) schedule 40, similar to "supreme" pipe.
 - b. Roughing-ins of water lines shall be polypropylene random copolymer (PPRC) pipe, PN-20, standard conforming to DIN-8077-8078, shall be fusion type.
 - c. Sewer pipes- shall be polyvinyl chloride (PVC) pipe, series 1000,
 - d. Waste pipes- shall be polyvinyl chloride (PVC) pipe, series 1000,
 - e. Vent pipes- shall be polyvinyl chloride (PVC) pipes, series 1000,


- f. Storm drainage lines- for inside building, shall be polyvinyl chloride (PVC) pipes, series 1000, and reinforced concrete drain pipe for outside building.
- g. Underdrains/ perimeter drain pipes - shall be polyvinyl chloride (PVC) pipes, series 1000,.”.
- h. Gate valves- 50 mmΦ and smaller, rising stem, all bronze, female threaded, minimum of 125 PSIG working pressure, , shall be rising outside screw and yoke


12. Pumps

- a. Type of Pump: Duplex Type Horizontal Suction, Multistage Pump with stainless steel impeller, shaft and intermediate chamber, cast iron pump head and base, coupled to electric vertical motor. Roughing-ins of water lines shall be polypropylene random copolymer.
- b. Electric Motor Drive: shall be variable speed motor for variable frequency drive operation, 230 volts (verify EE consultant), 3-phase, 60 cycles

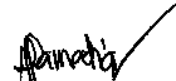
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SCOPE OF WORK

COMPLETION OF DORMITORY BUILDING II PHILIPPINE SCIENCE HIGH SCHOOL - MIMAROPA REGION CAMPUS BARANGAY RIZAL, ODIONGAN, ROMBLON

I. BACKGROUND

The **PHILIPPINE SCIENCE HIGH SCHOOL-MIMAROPA Region Campus (PSHS-MRC)** through the approved allocation for capital outlays under General Appropriations Act (GAA) of 2024 intends to apply the sum of **TEN MILLION PESOS ONLY (P10,000,000.00)** being the approved budget of the contract for the implementation of the project **Completion of Dormitory Building II** with the project duration of Two Hundred Forty (**240**) calendar days.

II. PROJECT DESCRIPTION

The project will involve the **Completion of Dormitory Building II** of the Philippine Science High School - MIMAROPA Region Campus, Rizal, Odiongan, Romblon which will include but not limited to:

- External wall finishes
- Interior wall finishes
- Floor finishes
- Installation of toilet fixtures and toilet partitions
- Tapping of fire water line
- Tapping of the main water line
- Installation of lighting fixtures and public address system

III. PROGRAM OF WORKS

The construction shall include the following major scope of works:

Item No.	Description	
C.0	General Requirements	
		Mobilization/ Demobilization
		Bonds and Insurances
		Temporary facilities for Contractor
		Health Safety Requirements
		As-Built Plan
C.1	Architectural Works	
	Ground Floor	
1.0	Wall Partition	Wall preparation for repainting works including patching works (Exterior wall)


		Skim coating (Fire exit stair, electrical & mechanical room)
2.0	Finishes	
2.1	Floor Finishes	Epoxy paint (hallway, lobby, main stairs and exit stairs)
3.0	Painting Works	Elastomeric paint finish on plastered wall (exterior wall)
		Latex semi-gloss paint finish on plastered wall (Fire exit stair, electrical & mechanical room)
		Latex semi-gloss paint finish on plastered wall (VIP, reflection, pantry, isolation, and PWD rooms)
		Latex paint finish on slab soffit and ceiling (PWD, Isolation, VIP, Reflection, pantry, Mech&Elec. Rooms)
4.0	Openings	
4.1	Door Openings	D-01-Double swing door in aluminum powder coated
		D-02- Sliding door in aluminum powder coated paint
4.2	Windows	W-01-Window - in aluminum powder coated paint
		W-02-Window - in aluminum powder coated paint
5.0	Miscellaneous Works	Trench drain with plastic trench cover (0.3m Width x 0.15m Depth)
	Mezzanine Floor	
1.0	Wall Partition	Wall preparation for repainting works including patching works (Exterior wall)
		Skim coating at storage room
2.0	Finishes	
2.1	Floor Finishes	FF-1; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints
		Epoxy paint (hallway and stairs)
2.2	Wall Finishes	300x300mm Homogenous tile (non-skid) - 1.2m Ht.
3.0	Painting Works	Elastomeric paint finish on the plastered wall (exterior wall)
		Latex semi-gloss paint finish on plastered wall (rooms, toilet, and storage)
		Latex paint finish on slab soffit and ceiling (rooms, toilet, and storage)
4.0	Openings	
	Door	D-03- 800mm W x 2100mm H Solid panel door in varnish finish (kiln dry)
5.0	Miscellaneous Works	Toilet Partitions with Door panels & accessories
		Movable Partition with rails and roller
		New CHB Wall-100mm (4") CHB Walls Including plastering (storage room)
	Second Floor	
1.0	Wall Partition	
		Wall preparation for repainting works including patching works (Exterior wall)
		Skim coating (fire exit wall and stairs)
2.0	Finishes	Epoxy paint (hallway, main stair, and exit stairs)
2.1	Floor Finishes	
		FF-1; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints - including removal of existing tiles (common toilet)
		Epoxy paint (hallway, main stair and exit stairs)
3.0	Painting Works	
		Elastomeric paint finish on plastered wall (exterior wall)

4.0	Miscellaneous Works	Concrete zocalo for existing toilet cubicle (including waterproofing)
		Clothesline at Balcony (1/2 in. dia. Painted G.I. Pipe)
	Third Floor and Roof Deck	
1.0	Wall Partition	
		Wall preparation for repainting works including patching works (Exterior wall)
		Skimcoating (fire exit wall & stairs)
2.0	Finishes	
2.1	Floor Finishes	
		FF-1; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints - including removal of existing tiles (common toilet)
		Epoxy paint (hallway, main stair and exit stairs)
3.0	Painting Works	Elastomeric paint finish on plastered wall (exterior wall)
		Latex semi-gloss paint finish on plastered wall (fire exit wall & stairs)
4.0	Miscellaneous Works	
		Concrete zocalo for existing toilet cubicle (including waterproofing)
		Aluminum composite panel on steel framing (wall cladding)
		Grills at fire exit (including demolition of existing exterior wall)
		Aluminum Stair Nosing for all Steps (Main & Exit Stairs)
		Stainless Letters 0.5m Ht. - Building Name (Guiting-Guiting Residence Hall)
		Clothesline at Balcony (1/2 in. dia. Painted G.I. Pipe)
C.2	Electrical Works	
	All Floor Levels	
	Lighting Fixtures	Installation of emergency light and exit signages
	Roof Deck	
	Lighting Fixtures	Installation of floodlights (100 watts)
	Exterior	
	Lighting and Power System	Roughing installation of conduit pipes
		Installation of recessed LED down light and spotlight
	Mezzanine (Storage Area)	
	Lighting and Power System	Roughing installation of conduit pipes
		Installation of LED bulb
	Submeter Installation	
C.3	Auxiliary Works	
	Ground Floor	Roughing installation of pvc pipes
		Installation of pull boxes and clamps
		Installation of public address system devices, equipment and CCTV
	Second Floor	Roughing installation of pvc pipes
		Installation of pull boxes and clamps
		Installation of public address system devices, equipment and CCTV
	Third Floor	Roughing installation of pvc pipes
		Installation of pull boxes and clamps
		Installation of public address system devices, equipment and CCTV
C.4	Plumbing and Sanitary Works	

	Ground Floor	Main water supply connection (By-pass line)
	Mezzanine Floor	Installation of potable water lines, roughing-in of toilets and toilet fixtures with accessories
		Installation of sanitary and Waste system for toilet
	2 nd and 3 rd Floor	Installation of additional floor drains
	Roof Deck	Installation, testing, and commissioning of water pump
C.5	Fire Protection System	
	Ground Floor	Tapping of fire water line


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Section VII. Drawings

[Insert here a list of Drawings. The actual Drawings, including site plans, should be attached to this section, or annexed in a separate folder.]

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

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

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

Signature Box

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

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



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
Philippine Science High School – MIMAROPA Region Campus
 Barangay Rizal, Odiongan, Romblon 5505

BILL OF QUANTITIES

COMPLETION OF DORMITORY BUILDING II
 BARANGAY RIZAL, ODIONGAN , ROMBLON

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
(1)	(2)	(4)				
C.0	GENERAL REQUIREMENTS					
	1.0 Mobilization/ Demobilization	lot				
	2.0 Bonds and Insurances	lot				
	3.0 Temporary facilities for Contractor	lot				
	4.0 Health Safety Requirements	lot				
	5.0 As-Built Plan	lot				
	Sub Total: General Requirements					
C.1	ARCHITECTURAL WORKS					
	GROUND FLOOR					
	1.0 WALL PARTITION					
	a. Wall preparation for repainting works including patching works (Exterior wall)	sq.m				
	b. Skimcoating (Fire exit stair, electrical & mechanical room)	sq.m				
	2.0 FINISHES					
	2.1 Floor Finishes					
	a. Epoxy paint (hallway, lobby, main stairs and exit stairs)	sq.m				
	3.0 PAINTING WORKS					
	a. Elastomeric paint finish on plastered wall (exterior wall)	sq.m				
	b. Latex semi-gloss paint finish on plastered wall (Fire exit stair, electrical & mechanical room)	sq.m				
	c. Latex semi-gloss paint finish on plastered wall (VIP, reflection, pantry, isolation, and PWD rooms)	sq.m				
	d. Latex paint finish on slab soffit and ceiling (PWD, Isolation, VIP, Reflection, pantry, Mech&Elec. Rooms)	sq.m				
	4.0 OPENINGS					
	4.1 Doors					
	D-01 Double swing door in aluminum powder coated	set				
	D-02 Sliding door in aluminum powder coated paint	set				
	4.2 Windows					
	W-01 Window - in aluminum powder coated paint	set				
	W-02 Window - in aluminum powder coated paint	set				
	5.0 MISCELLANEOUS WORKS					
	a. Trench drain with aluminum trench cover (0.3m Width x 0.15m Depth)	lot				
	MEZZANINE FLOOR					
	1.0 WALL PARTITION					
	a. Wall preparation for repainting works including patching works (Exterior wall)	sq.m				
	b. Skimcoating (storage room)	sq.m				
	2.0 FINISHES					
	2.1 Floor Finishes					
	a. FF-1; 300x300mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints (common toilet)	sq.m				
	b. Epoxy paint (hallway and stairs)	sq.m				
	2.2 Wall Finishes					
	a. 300x300mm Homogenous tile, non-skid (common toilet)	sq.m				
	3.0 PAINTING WORKS					
	a. Elastomeric paint finish on plastered wall (exterior wall)	sq.m				
	b. Latex semi-gloss paint finish on plastered wall (rooms, toilet, and storage)	sq.m				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
(1)	(2)	(4)				
	c. Latex paint finish on slab soffit and ceiling (rooms, toilet, and storage)	sq.m				
	4.0 OPENINGS					
	4.1 Doors					
	D-03 800mm W x 2100mm H Solid panel door in varnish finish (kiln dry)	set				
	5.0 MISCELLANEOUS WORKS					
	a. Toilet Partitions with Door panel & accessories	m				
	b. Movable Partition with rails and roller	sq.m				
	c. New CHB Wall-100mm (4") CHB Walls Including plastering (storage room)	sq.m				
	SECOND FLOOR					
	1.0 WALL PARTITION					
	a. Wall preparation for repainting works including patching works (Exterior wall)	sq.m				
	b. Skimcoating (fire exit wall & stairs)	sq.m				
	2.0 FINISHES					
	2.1 Floor Finishes					
	a. FF-1; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints - including removal of existing tiles	sq.m				
	b. Epoxy paint (hallway, main stair and exit stairs)	sq.m				
	3.0 PAINTING WORKS					
	a. Elastomeric paint finish on plastered wall (exterior wall)	sq.m				
	b. Latex semi-gloss paint finish on plastered wall (fire exit wall & stairs)	sq.m				
	4.0 MISCELLANEOUS WORKS					
	a. Concrete zocalo for existing toilet cubicle (including waterproofing)	lot				
	b. Clothesline at Balcony (1/2 in. dia.G.I. Pipe)	lot				
	THIRD FLOOR AND ROOF DECK					
	1.0 WALL PARTITION					
	a. Wall preparation for repainting works including patching works (Exterior wall)	sq.m				
	b. Skimcoating (fire exit wall & stairs)	sq.m				
	2.0 FINISHES					
	2.1 Floor Finishes					
	a. FF-1; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints - including removal of existing tiles	sq.m				
	b. Epoxy paint (hallway, main stair and exit stairs)	sq.m				
	3.0 PAINTING WORKS					
	a. Elastomeric paint finish on plastered wall (exterior wall)	sq.m				
	b. Latex semi-gloss paint finish on plastered wall (fire exit wall & stairs)	sq.m				
	4.0 MISCELLANEOUS WORKS					
	a. Concrete zocalo for existing toilet cubicle (including waterproofing)	lot				
	b. Aluminum composite panel on steel framing (wall cladding)	sq.m				
	c. Grills at fire exit (including demolition of existing exterior wall)	sq.m				
	d. Aluminum Stair Nosing for all Steps (Main & Exit Stairs)	lot				
	e. Stainless Letters 0.5m Ht. - Building Name (Guiting-Guiting Residence Hall)	lot				
	f. Clothesline at Balcony (1/2 in. dia.G.I. Pipe)	lot				
	TOTAL AMOUNT ARCHITECTURE WORKS					
C.2	ELECTRICAL WORKS					
	All Floor Levels					
	A Lighting					
	1 Lighting Fixtures					
	Emergency Light	pcs				
	Exit Signs	pcs				
	Roof Deck					
	1 Lighting Fixtures					
	Floodlight (100 watts)	pcs				
	EXTERIOR					
	A Lighting and Power System					
	1 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
(1)	(2)	(4)				
	1.1 PVC Pipe					
	20mm Ø	L				
	U Clamp 3/4"	pcs				
	2 Boxes					
	junction box w/ cover #16	pcs				
	utility box	pcs				
	3 Wires & Cables THHN stranded					
	3.5mm ²	m				
	4 Wiring Device					
	Two gang Switch	set				
	5 Lighting Fixtures					
	Recessed LED Down Light (11 watts)	set				
	Spotlight (30 watts)	set				
	5 Consumables	lot				
	Mezzanine Level (Storage Area)					
A	Lighting and Power System					
	1 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					
	1.1 PVC Pipe					
	20mm Ø PVC moulding	pcs				
	pvc moulding adhesive	pcs				
	2 Boxes and Flexible Conduit					
	4x4 junction box w/ cover #16	pcs				
	utility box	pcs				
	3 Wires & Cables THHN stranded					
	3.5mm ²	m				
	4 Wiring Device					
	One gang Switch	set				
	5 Lighting Fixtures					
	Ceiling Receptacle	pcs				
	LED Bulb (10 watts)	pcs				
	6 Consumables	lot				
	Submete					
	1 Submeter	pc				
	TOTAL AMOUNT ELECTRICAL WORKS					
C.3	AUXILIARY WORKS					
	PA-BGM and CCTV					
	GROUND FLOOR LEVEL					
	1 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	1.1a 15mm Ø	L				
	1.1b U clamp 1/2"	pcs				
	2 Boxes , Pull Box					
	2.2 4x4 junction box w/ cover #16	pcs				
	3 PA-BGM DEVICE AND EQUIPMENT, CCTV Device					
	3.1 PABGM System Management Amplifier w/ fabricated door & rac	unit				
	3.2 Remote Microphone	unit				
	3.3 Voice Announcement	unit				
	3.4 Digital Announcer Pre- Recorded Voice	unit				
	3.5 Volume Controller	unit				
	3.6 Audio Controller	unit				
	3.7 CCTV POE camera	unit				
	3.1.1 CCTV POE 16-port switch	unit				
	3.8 CAT6 UTP Cable for CCTV Camera	box				
	3.9 Testing and Commissioning	M-Hr				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
(1)	(2)	(4)				
	4 Consumables (Solvent , Gas , GI Wire, Tapes)	lot				
	SUB TOTAL AMOUNT OF GROUND FLOOR PA WORKS					
	Second Floor Level					
	1 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	1.1a 15mm Ø	L				
	1.1b 40mm Ø	L				
	2 Boxes , Pull Box and Clamps					
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	U clamp 1/2"	pcs				
	U clamp 1 1/2"	pcs				
	3 PA-BGM Wire					
	#16 AWG	m				
	4 PA-BGM DEVICE AND EQUIPMENT					
	Installation of Speakers, Testing and Commissioning	M-Hr				
	5 Consumables (Solvent , Gas , GI Wire, Tapes)	lot				
	SUB TOTAL AMOUNT OF SECOND FLOOR PA WORKS					
	Third Floor Level					
	1 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	1.1a 15mm Ø	L				
	1.1b 40mm Ø	L				
	2 Boxes , Pull Box and Flexible Conduit and Connectors					
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	U clamp 1/2"	pcs				
	U clamp 1 1/2"	pcs				
	3 PA-BGM Wire					
	#16 AWG	m				
	4 PA-BGM DEVICE AND EQUIPMENT					
	Installation of Speakers, Testing and Commissioning	M-Hr				
	5 Consumables (Solvent , Gas , GI Wire, Tapes)	lot				
	SUB TOTAL AMOUNT OF THIRD FLOOR LEVEL PA WORKS					
	TOTAL AMOUNT AUXILIARY WORKS					
C.4	PLUMBING AND SANITARY WORKS					
	GROUND FLOOR					
	1.0 Main Pipe Connection for water supply					
	1.1 GI Pipes Sch 40					
	40 mmØ x 6mtrs	pc/s				
	25 mmØ x 6mtrs	pc/s				
	1.2 Coupling					
	40 mmØ	pc/s				
	1.3 Tee Connector					
	40 mm x 40 mm Ø	pc/s				
	25 mmØ x 25 mmØ	pc/s				
	1.4 Elbow					
	40 mmØ	pc/s				
	1.5 Reducer					
	40mmØ x 32 mmØ	pc/s				
	32mmØ x 25 mmØ	pc/s				
	1.6 Nipple					
	32mmØ x 50mm	pc/s				
	1.7 Union					
	40mmØ	pc/s				
	25mmØ	pc/s				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
(1)	(2)	(4)				
	1.8 Gate Valve (Brass)					
	40mmØ	pc/s				
	25mmØ	pc/s				
	MEZZANINE FLOOR					
	1.0 Potable Lateral Water Lines & Roughing-in of Toilets					
	Appurtenances					
	Shower Head	set				
	Shower Valve(15mmØ)	set				
	Faucet(15mmØ)	set				
	Lavatory Wall Hung	set				
	Water Closet Tank Type	set				
	Urinal with Flush valve	set				
	Bidet	set				
	Water Line System					
	PPR Pipes PN 16					
	20 mmØ x 4mtrs	pc/s				
	Coupling					
	20 mmØ	pc/s				
	Equal Tee					
	20 mmØ x 20 mmØ	pc/s				
	Female Thread 90 Elbow					
	20 mmØ x 1/2	pc/s				
	Gate Valve					
	20 mmØ	pc/s				
	2.0 SANITARY AND WASTE SYSTEM					
	Pipes and Fittings					
	Pipes and Fittings					
	Pipes (PVC Series 1000)					
	100 mmø x 3 m	pc/s				
	50 mmø x 3 m	pc/s				
	Fittings					
	Elbow (45°)					
	100 mmø	pc/s				
	50 mmø	pc/s				
	Elbow (90°)					
	100 mmø	pc/s				
	50 mmø	pc/s				
	Wye					
	100 x 100 mmø	pc/s				
	100 x 50 mmø	pc/s				
	Clean Out					
	100 mmø	pc/s				
	P-Trap					
	50 mmø	pc/s				
	Floor Drain					
	50 mmø	pc/s				
	Hangers/Support	Lot				
	Consumables	Lot				
	Testing and Commissioning	Lot				
	Pumps					
	Water Pump (Shallow)2.0 Hp	set				
	Consumable Materials	Lot				
	Testing and Commissioning	Lot				
	TOTAL AMOUNT PLUMBING AND SANITARY WORKS					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
(1)	(2)	(4)				
C.5	FIRE PROTECTION SYSTEM					
	GROUND FLOOR					
	Tapping of Fire Water Line					
	Piping, valve and flange connection	Lot				
	TOTAL AMOUNT FIRE PROTECTION SYSTEM					
	TOTAL PROJECT AMOUNT					



PROJECT: CONSTRUCTION OF DORMITORY BUILDING II
LOCATION: BRGY. RIZAL, ODIONGAN, ROMBLON
SUBJECT: DETAILED ENGINEERING ESTIMATE

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	TOTAL AMOUNT
	DIRECT COST (DC)				
	A. Materials				
	Ex. G.I. Pipe 2"	120	pcs	1,800.00	216,000.00
	Ex. Portland Cement & etc.	500	bags	290.00	145,000.00
	Sub - Total A:				361,000.00
	B.Labor				
	Ex. Foreman	30	day	600.00	18,000.00
	Ex. Skilled & etc.	40	day	500.00	20,000.00
	Sub - Total B:				38,000.00
	C.Equipment				
	Ex. Concrete Mixer	30	day	700.00	21,000.00
	Ex. Loader & etc.	50	hrs	1,400.00	70,000.00
	Sub - Total B:				91,000.00
	D.Fuel/Oil				
	Ex. Gasoline & etc.	10	ltr	75.00	750.00
	Sub - Total B:				750.00
	TOTAL DIRECT COST (DC):				490,750.00
	INDIRECT COST (IDC)				
	E. OCM				58,890.00
	F. PROFIT				39,260.00
	G. VAT				29,445.00
	TOTAL INDIRECT COST (IDC):				E+F+G
	TOTAL COST (TC):				DC+IDC
	TOTAL UNIT COST				

Notes:

1. Follow the above format in preparing the detailed cost estimate to have a uniform format during the submission of bids.
2. Bidder Detailed Cost Estimates shall conform to DPWH DO No. 197 S. 2016 dated Oct. 7, 2016

CHAIRMAN/PRESIDENT

NAME OF BIDDERS

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

The prescribed documents in the checklist are mandatory to be submitted in the Bid, but shall be subject to the following:

- a. GPPB Resolution No. 09-2020 on the efficient procurement measures during a State of Calamity or other similar issuances that shall allow the use of alternate documents in lieu of the mandated requirements; or
- b. any subsequent GPPB issuances adjusting the documentary requirements after the effectivity of the adoption of the PBDs.

The BAC shall be checking the submitted documents of each Bidder against this checklist to ascertain if they are all present, using a non-discretionary “pass/fail” criterion pursuant to Section 30 of the 2016 revised IRR of RA No. 9184.

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE	
<i>Class “A” Documents</i>	
<u>Legal Documents</u>	
<input type="checkbox"/>	(a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages); or
<input type="checkbox"/>	(b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document; and
<input type="checkbox"/>	(c) Mayor’s or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas; and
<input type="checkbox"/>	(e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).
<u>Technical Documents</u>	
<input type="checkbox"/>	(f) 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
<input type="checkbox"/>	(g) 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
<input type="checkbox"/>	(h) Philippine Contractors Accreditation Board (PCAB) License; or Special PCAB License in case of Joint Ventures; and registration for the type and cost of the contract to be bid; and
<input type="checkbox"/>	(i) 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
	(j) Project Requirements, which shall include the following:
<input type="checkbox"/>	a. Organizational chart for the contract to be bid;
<input type="checkbox"/>	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;
<input type="checkbox"/>	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

	<p>lessor/vendor for the duration of the project.</p> <p>d. Construction Safety and Health Program.</p>
<input type="checkbox"/>	<p>(k) 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.</p>
<i>Financial Documents</i>	
<input type="checkbox"/>	<p>(l) The prospective bidder's audited financial statements, showing, among others, the prospective bidder's total and current assets and liabilities, stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; and</p>
<input type="checkbox"/>	<p>(m) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).</p>
<i>Class "B" Documents</i>	
<input type="checkbox"/>	<p>(n) 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.</p>
II. FINANCIAL COMPONENT ENVELOPE	
<input type="checkbox"/>	<p>(o) Original of duly signed and accomplished Financial Bid Form; and</p>
<i>Other documentary requirements under RA No. 9184</i>	
<input type="checkbox"/>	<p>(p) Original of duly signed Bid Prices in the Bill of Quantities; and</p>
<input type="checkbox"/>	<p>(q) Duly accomplished Detailed Estimates Form, including a (r) Summary Sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid; (r.1) Sample Summary Sheet and</p>
<input type="checkbox"/>	<p>(s) Cash Flow by Quarter or Payment Schedule.</p>

Additional Requirements

Authorized Representative must present;

1. Authorization letter / Special Power of Attorney
2. Letter of Intent
3. Contractors Letter Certificate to Procuring Entity (SF-INFR-45) - supporting document for Organizational Chart
4. Key Personnel's Certificate of Employment (SF-INFR-46) - supporting document for Organizational Chart

5. The authorized representative must show proof of employment under the company which he/she represent at least 5 years in the company (e.q. contract of employment etc.

Non – compliance of the additional requirements (1-4) shall not be subjected for the failure or disqualification of the Prospective bidder. These requirements are for the compliance for the statutory and regulatory documents.

ITEM NO.	DESCRIPTION	UNIT COST		
		MATERIALS	LABOR	EQUIPMENT
C.0	GENERAL REQUIREMENTS			
	1.0 Mobilization/ Demobilization			
	2.0 Bonds and Insurances			
	3.0 Temporary facilities for Contractor			
	4.0 Health Safety Requirements			
	5.0 Temporary Enclosure / board-up			
	6.0 Material Testing			
	7.0 As-Built Plan			
	8.0 Project Billboard			
C.1	SITE WORKS			
	1.0 Back Fill & Compaction			
	2.0 Soil Poisoning /trimming			
	3.0 Gravel Bedding			
	4.0 Vapor Barrier (6mils polyethylene plastic cover)			
C.2	STRUCTURAL WORKS			
	1.0 Reinforce Concrete			
	a. Wall footings(4000psi)			
	b. Retaining Wall(4000psi) - Basement to Ground Floor			
	c. Slab on Fill (3000psi)			
	d. Suspended Slabs (4000Psi)			
	e. Columns (4000Psi) - Basement to Ground Floor			
	f. Beams and Girders (4000Psi)			
	g. Stairs and Landings(4000Psi)			

