

PHILIPPINE BIDDING DOCUMENTS

**CONSTRUCTION
OF ACADEMIC
BUILDING II**

(FY 2023 Early Procurement Activity)

of

Philippine Science High School –
MIMAROPA Region Campus
Brgy. 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 *CONSTRUCTION OF ACADEMIC BUILDING II*

1. The ***Philippine Science High School – MIMAROPA Region Campus***, through the ***National Expenditure Program (NEP) 2023*** intends to apply the sum of ***Sixty-eight Million Pesos Only (Php68,000,000.00)*** being the Approved Budget for the Contract (ABC) to payments under the contract for ***Construction of Academic Building II and PR No. 2022-11-PR071***. 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 Three Hundred Thirty (330) 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 ***November 22, 2022 to December 16, 2022*** from given address and website/s below ***Philippine Science High School – MIMAROPA Region Campus, Brgy. 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 ***Fifty Thousand Pesos Only (Php50,000.00)***. The Procuring Entity shall allow the bidder to present its proof of payment for the fees ***in person***.
6. The ***Philippine Science High School – MIMAROPA Region Campus*** will hold a Pre-Bid Conference¹ on ***December 1, 2022, 10:00 AM*** at ***Philippine Science High School – MIMAROPA Region Campus, Brgy. Rizal, Odiongan, Romblon*** and/or through videoconferencing/webcasting via ***Zoom Platform*** ***<https://tinyurl.com/PreBidACAD2EPA2023>*** Meeting ID: 865 5654 0159 Passcode: 060193, 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, Brgy. Rizal, Odiongan, Romblon*** on or before ***December 16, 2022, 10:00 AM***. 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 ***December 16, 2022, 10:00 AM*** at the given address below ***Philippine Science High School – MIMAROPA Region Campus, Brgy. Rizal, Odiongan, Romblon*** and/or through ***<https://tinyurl.com/BidOpeningACAD2EPA2023>*** Meeting ID: 881 5484 0718 Passcode: 282017. 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***

[Date of Issue]


WOODRITZ F. RABINO

BAC Chairperson for Infrastructure and Consulting Services

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 ***Construction of Academic Building II***, with Project Identification Number **PR No. 2022-11-PR071**.

[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 Academic Building II*** 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 ***National Expenditure Program (NEP) of 2023*** in the amount of ***Sixty Eight Million Pesos Only (Php68,000,000.00)***.

2.2. The source of funding is:

- a. NGA, the National Expenditure Program.

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 not allowed.

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

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address *December 1, 2022, 10:00 AM* at *Laboratory Building, Philippine Science High School – MIMAROPA Region Campus, Brgy. Rizal, Odiongan, Romblon* and/or through Zoom Platform <https://tinyurl.com/PreBidACAD2EPA2023> Meeting ID: 865 5654 0159 Passcode: 060193 as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

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

- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in:*
- 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 to site works, structural works from basement floor to roof deck, architectural works, electrical works, roughing-ins of auxiliary works, and plumbing and sanitary works.</i>																																	
7.1	<i>Subcontracting is not allowed.</i>																																	
10.3	<i>A Special PCAB license for Joint Venture.</i>																																	
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table><tr><th><u>Key Personnel</u></th><th><u>General Experience</u></th><th><u>Relevant Experience</u></th></tr><tr><td><i>Project Manager</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>Project Engineer</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>QA/QC Engineer</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>Electrical Engineer</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>Mechanical Engineer</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>Registered Master Plumber</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>/Sanitary Engineer</i></td><td></td><td></td></tr><tr><td><i>Safety Officer</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>First Aider/Nurse</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr><tr><td><i>Foreman</i></td><td><i>5 years</i></td><td><i>5 years</i></td></tr></table> <p><i>Note: For contractors with existing projects in PSHS – MRC Construction personnel should be different from awarded projects except electrical, mechanical, and sanitary engineers which may be the same in the existing projects.</i></p> <p><i>The CONTRACTOR may, as needed and at its own expense, add additional professionals and/or support personnel for the optimal performance of all Construction Services, as stipulated in these Technical Specifications, for the PROJECT. Prospective bidders shall attach everyone’s resume and PRC license of the (professional) staff, proof of qualifications, and related documents, as necessary.</i></p>	<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</i>	<i>5 years</i>	<i>5 years</i>	<i>QA/QC Engineer</i>	<i>5 years</i>	<i>5 years</i>	<i>Electrical Engineer</i>	<i>5 years</i>	<i>5 years</i>	<i>Mechanical Engineer</i>	<i>5 years</i>	<i>5 years</i>	<i>Registered Master Plumber</i>	<i>5 years</i>	<i>5 years</i>	<i>/Sanitary Engineer</i>			<i>Safety Officer</i>	<i>5 years</i>	<i>5 years</i>	<i>First Aider/Nurse</i>	<i>5 years</i>	<i>5 years</i>	<i>Foreman</i>	<i>5 years</i>	<i>5 years</i>
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Backhoe		1																																
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:																																	

	<p>a. The amount of not less than <i>Php1,360,000.00</i> (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than <i>Php3,400,000.00</i> (5%) of ABC if bid security is in Surety Bond.</p>
19.2	Partial bids 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 (Medium A – License Category B), Contractor's Registration Certificate from DPWH, Mayor's Permit/Business Permit, SEC Registration/DTI/CDA (whichever is applicable), BIR Registration, Omnibus Sworn Statement.</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.

Statement of all On-going Government & 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

Name of Projects:

Name of Agency:

(Column headings in red-based on instruction to Bidders)

[illegible]

Statement of the Bidder's Single Largest Completed Contract (SLCC) Similar to the Contract to be Bid - 50% of the BAC

Name of Projects:

Name of Agency:

(Column headings in red-based on instruction to Bidders)

[illegible]

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% 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	Materials and equipment delivered on the site but not completely put in place shall be not included for payment.
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

TECHNICAL SPECIFICATIONS

CONSTRUCTION OF ACADEMIC 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 National Expenditure Program (NEP) of 2023 intends to apply the sum of **SIXTY-EIGHT MILLION PESOS ONLY (P68,000,000.00)** being the approved budget of the contract for the implementation of the project **Construction of Academic Building II** with the project duration of Three Hundred Thirty (330) calendar days.

II. PROJECT DESCRIPTION AND LOCATION

The project, Construction of Academic Building II, is the continuation of Phase I of the same project of Philippine Science High School - MIMAROPA Region Campus, Rizal, Odiongan, Romblon and the contractor will assume all responsibility once the project has started pursuant to the Technical Specifications, indicated herein.

This will include the following major scope of works:

- (a) C.0 - General Requirements
- (b) C.1 - Site Works
- (c) C.2 - Structural Works from Basement Floor to Roof Deck
- (d) C.3 - Architectural Works
- (e) C.4 - Electrical Works
- (f) C.5 - Auxiliary Works
- (g) C.6 - Plumbing and Sanitary Works

(Please refer to the annexes for the attached drawings).

The project will have an Approved Budget for the Contract (ABC) of **SIXTY-EIGHT MILLION PESOS ONLY (P 68,000,000.00)** including all taxes and applicable permits, licenses and clearances, for the projects mentioned above.

III. CONSTRUCTION PHASE

A. SCOPE OF WORKS:

The proposed Construction of Academic Building II is a four-level building including one-level basement reinforced concrete building with a total floor area of 3,658.3 sq.m. This project is a continuation of Phase 1 construction which includes the construction of structural foundation.

The construction shall include the following major scope of works:

1. C.0 - General Requirements

This item shall serve the purpose of:

- a. Mobilization/ Demobilization
- b. Bonds and Insurances
- c. Temporary facilities for Contractor
- d. Health and Safety Requirements
- e. Temporary Enclosure / board-up
- f. Material Testing
- g. As-Built Plan
- h. Project Billboard

2. C.1 - Site Works

This item will include Backfilling & Compaction of ground floor, Soil Poisoning/trimming and Gravel Bedding for slab on fill and wall footing and providing of Vapor Barrier (6mils polyethylene plastic cover) for slab on fill.

3. C.2 - Structural Works

a. Basement to Ground Floor Level

This will include the construction of wall footings for CHB wall, columns and retaining wall from basement floor to ground floor, slab on fill, beam and girders of basement floor and ground floor, suspended slab of ground floor, and stairs and landings.

b. Second Floor to Third Floor

This will include the construction of columns, suspended slab, beams and girders from second floor to third floor, and stairs and landings.

c. Roof Deck to Upper Roof

This will include the construction of columns, suspended slab, beams and girders for roof deck, stairs and landings and the construction of roofing and steel trusses for the roof framing.

4. C.3 - Architectural Works

a. Basement Floor Level

This will include the CHB wall & drywall partition, pipe railings for stairs, waterproofing works for toilets, fabrication and installation of exterior doors and windows.

b. Ground Floor to Second Floor Level

This will include the CHB wall & drywall partition, floor and wall tiles, pipe railings for stairs, smooth cement finish of flooring, waterproofing works for

toilets, fabrication and installation of doors and windows, toilet and urinal wall partitions including door panels with complete accessories.

c. Third Floor Level

This will include the exterior CHB wall, waterproofing works for toilets, and fabrication and installation of windows.

d. Roof Deck

This will include the 150mm thk. parapet wall in plastered finish, roofing works and waterproofing of roof deck.

5. C.4 - Electrical Works

a. Basement and Ground Floor

This item shall serve the purpose of installation of lighting and power system from basement floor to ground floor which includes roughing-ins, wires and cables, devices, lighting fixtures, panel boards, circuit breakers and provision for air-conditioning system as indicated in the drawings.

Grounding and Bonding Systems shall be included such as roughing ins, 50mm² bare copper wire and ground rod.

Power service to the building shall be 230 volts, 3-phase 60HZ, AC power source, 3-wire + 1-ground

b. Second Floor Level

This item shall serve the purpose of installation of lighting and power system in 2nd floor level which includes roughing-ins, wires and cables, devices, lighting fixtures, panel boards, circuit breakers and provision for air-conditioning system as indicated in the drawings.

c. Third Floor and Roof Deck

This will include roughing-ins for power and lighting system and provision for air-conditioning system.

Lightning protection or air terminal shall be included in the installation at roof deck.

6. C.5 - Auxiliary Works

This item shall serve the purpose of installation of Roughing-ins from Basement to Third Floor of:

- a. Structured Cabling
- b. Closed Circuit Television System
- c. Fire Detection and Alarm System
- d. PA-BGM
- e. Access Control System

7. C.6 - Plumbing and Sanitary Works

a. Water Line System

This will include the water line system from the basement to the second floor as well as the toilet fixtures, valves, and accessories shown in the drawings. This also includes the testing and commissioning of the systems.

b. Sanitary and Wastewater System

This item shall include the Sewer-line work (pipes and fittings, hangers/support, testing and commissioning) from the basement to the third-floor level, for the building to be functional.

c. Storm Drainage System

Storm drainage includes the installation of pipeline, hangers/support and consumable materials and testing and commissioning from the basement to the roof-deck, as well as the catch basins and trench drains.

d. Septic Tank

A Septic tank is a reinforced concrete structure with integral waterproofing. It has a size of 7.40m x 3.70m and contains 3 digestive chambers, as shown in the drawings. It also includes the tapping of influent pipes from the building and a stainless-steel manhole cover.

NOTE:

- a. During hauling of materials, the allowable weight or load for each truck will be 5 to 6 tons that passes through the road network.

B. GENERAL SPECIFICATIONS:

Refer to Annex A.

IV. Selection of Contractor

The procurement and implementation of the project shall be in accordance with the provisions of RA 9184 specifically its Annex "A". Bidding process shall be conducted by the Bids and Awards Committee (BAC) to be assisted by the TWG. The campus director of PSHS-MRC shall create the Design and Build Committee (DBC) to be composed of highly technical personnel in the field of architecture and engineering or construction. The DBC and TWG shall prepare the design brief and performance specifications and parameters, review the detailed engineering design, and assist the BAC in the evaluation of technical and financial proposals in accordance with the criteria set.

A. Eligibility Requirements

The eligibility requirements for infrastructure projects shall comply with the applicable provisions of Section 23-24 of the IRR of RA 9184.

a. Eligibility Documents

I. TECHNICAL COMPONENT ENVELOPE	
<i>Class "A" Documents</i>	
<i>Legal Documents</i>	
<input type="checkbox"/>	(a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages); <u>or</u>
<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. <u>and</u>
<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. Proof of payment or the official receipt will be accepted as an alternative documentary requirement however, actual mayor's or business permit should be presented during post-qualification." <u>and</u>
<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).
<i>Technical Documents</i>	
<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. <u>and</u>
<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; <u>and</u>
<input type="checkbox"/>	(h) Philippine Contractors Accreditation Board (PCAB) License; <u>or</u> Special PCAB License in case of Joint Ventures; <u>and</u> registration for the type and cost of the contract to be bid; <u>and</u>
<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; <u>or</u> Original copy of Notarized Bid Securing Declaration; <u>and</u>

	(j) Project Requirements, which shall include the following:
<input type="checkbox"/>	a. Organizational chart for the contract to be bid;
	b. List of contractor's key personnel (<i>e.g.</i> , Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
	c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project.
	d. Construction Safety and Health Program.
<input type="checkbox"/>	(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
<u>Financial Documents</u>	
<input type="checkbox"/>	(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
<input type="checkbox"/>	(m) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).
<i>Class "B" Documents</i>	
<input type="checkbox"/>	(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.
II. FINANCIAL COMPONENT ENVELOPE	
<input type="checkbox"/>	(o) Original of duly signed and accomplished Financial Bid Form; and
<u>Other documentary requirements under RA No. 9184</u>	
<input type="checkbox"/>	(p) Original of duly signed Bid Prices in the Bill of Quantities; and
<input type="checkbox"/>	(q) Duly accomplished Detailed Cost Estimates

	(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
<input type="checkbox"/>	(s) Cash Flow by Quarter or Payment Schedule.

☐ **Additional Requirements**

Authorized Representative must present;

1. Authorization letter / Special Power of Attorney
2. Letter of Intent

Notes:

1. The authorized representative must show proof of employment under the company which he/she represents at least 5 years in the company (e. q. contract of employment etc.
2. Non – compliance of the additional requirements shall not be subjected for the failure or disqualification of the Prospective bidder. These requirements are for the compliance of the statutory and regulatory documents.

b. Eligibility Criteria

- a) The eligibility of contractors shall be based on the legal, technical and financial requirements above-mentioned. In the technical requirements, the contractor (as solo or in joint venture/consortia) should be able to comply with the experience requirements under the IRR of RA 9184, where one of the parties (in a joint venture/consortia) should have at least one similar project in construction, with at least 50% of the cost of the Approved Budget for the Contract (ABC).
- b) If the bidder has no experience in construction projects on its own, it may enter into subcontracting, partnerships or joint ventures with engineering firms for the portion of the contract.

V. CONSTRUCTION PERSONNEL

The key professionals and the respective qualifications of the **CONSTRUCTION PERSONNEL** shall be as follows:

A. Project Manager

The Project Manager shall be a licensed architect or engineer with at least Five (5) years relevant experience on similar and comparable projects in different locations. The Project Manager should have a proven record of managerial capability through the directing/managing of major civil engineering works, including projects of a similar magnitude.

B. Project Engineer

The Project Engineer shall be a licensed architect or civil/structural engineer with at least Five (5) years of experience in similar and comparable projects and shall preferably be knowledgeable in the application of rapid construction technologies.

C. QA/QC Engineer

The Quality assurance (QA) /Quality Control (QC) Engineer shall be a licensed civil engineer with at least Five (5) years of experience as QA/QC in similar and comparable projects. He/she is responsible for the review of materials' quality if conforming to the specifications, provide request for approval of materials to PSHS, provide inspection request prior to execution of work.

D. Electrical Engineer

The Electrical Engineer must be a registered Electrical Engineer with at least Five (5) years of experience in the design of lighting, power distribution and preferably knowledgeable in developments in emergent efficient lighting technologies and energy management.

E. Mechanical Engineer

The Mechanical Engineer must be duly-licensed with at least five (5) years of experience in similar and comparable projects in the installation of Mechanical Equipment, HVAC, and Fire protection and other mechanical aspects.

F. Registered Master Plumber/ Sanitary Engineer

The Registered Master Plumber/ Sanitary Engineer must be a duly licensed Registered Master Plumber/ Sanitary Engineer and must have at least five (5) years of experience in similar and comparable projects and shall preferably be knowledgeable in the application of Green Building technologies.

G. Safety Officer

The safety officer must be an accredited safety practitioner by the Department of Labor and Employment (DOLE) and has undergone the prescribed 40-hour Construction Safety and Health Training (COSH).

Minimum Classification and number of Safety Officer as per Department Order No. 198 Chapter IV Covered Workplaces Section 14 for all covered workplaces shall be as follows:

Number of Workers	Low Risk	Medium Risk	High Risk
1 to 9	One (1) S01	One (1) S01	One (1) S02
10 to 50	One (1) S01	One (1) S02	One (1) S03

51 to 99	One (1) S02		One (1) S02 and One (1) S03
100 to 199		One (1) S02 and One (1) S03	
200 to 250	Two (2) S02 or One (1) S03	One (1) S02 and One (1) S03	Two (2) S03
251 to 500	Two (2) S02 and One (1) S03	Two (2) S03	One (1) S02 and Two (2) S03
501 to 750	Two (2) S02 and One (1) S03	Two (2) S03	One (1) S02 and Two (2) S03
751 to 1000	Two (2) S03		
Every additional 250 or fraction thereof	-	-	Additional One (1) S03 or S04
Every additional 500 or fraction thereof	Additional One (1) S03	Additional One (1) S03 or S04	-

Construction is considered as a High-Risk workplace, therefore, the requirement for the number of Safety Officers will depend on the High Risk column.

H. First Aider/ Nurse

The First Aider/ Nurse must be trained and duly certified or qualified to administer first-aid by the Philippine National Red Cross or by any organization accredited by the same.

I. Foreman

The Foreman must have at least five (5) years of experience in similar and comparable projects and shall preferably be knowledgeable in the application of Green Building technologies.

The above list of key personnel is required and shall be available on-site during construction. The **CONTRACTOR** may, as needed and at its own expense, add additional professionals and/or support personnel for the optimal performance of all Construction Services, as stipulated in these Technical Specifications, for the PROJECT. Prospective bidders shall attach everyone's resume and PRC license of the (professional) staff, proof of qualifications, and related documents, as necessary.

Section VI. SCOPE OF WORKS AND PROJECT IMPLEMENTATION

A. Pre-Construction

1. Secures all necessary building permits prior to construction. All incidental fees shall be included in the cost estimate of the building.
2. Prepares the PERT-CPM of the construction phase.
3. Provides all other necessary documents that shall be required by the Design and Build Committee.

B. Construction Phase

1. Implements all works indicated in the approved construction drawings and documents. All revisions and deviations from the approved plans, especially if it shall impact the overall cost of the project, shall be subject for approval.
2. Provides soil filling, grading and other soil protection measures of the building and other elements of the site, in response to the results of soil and materials testing.
3. Constructs the buildings and other necessary structures, complete with utilities and finishes, resulting in operable and usable structures.
4. Provides protection or relocation of existing trees indigenous to the area, and proper removal and replacement of all introduced trees and vegetation affected by the construction.
5. Layouts piping, conduits, manholes, boxes and other lines for utilities including tapping to existing utility lines. Facilitate the connection of all utilities (power, water, sewer, structured cabling and telephone) with their corresponding utility companies. All application fees shall be included in the project cost.
6. Installs fire protection systems and fixtures, fire extinguishers, emergency lights and lighted fire exit signs.
7. Prepares shop-drawings for approval.
8. Coordinates with the Design and Build Committee regarding scheduling of delivery and installation of all owner-furnished materials and equipment during construction.
9. Conducts all necessary tests (to be required by the Design and Build Committee) and issues reports of results.
10. Rectifies punch-listing works to be inspected and issued by the Design and Build Committee and/or the End-user.
11. Complies with the DOLE-OSH requirements and submit periodic reports concerning occupational safety and health.

12. Provides all other necessary documents that shall be required by the Design and Build Committee.

C. Post Construction Phase

1. Prepares of as-built plans
2. Turn-overs of all manuals, certificates, and warranties of installed items.
3. Secures building certificate of occupancy and fire safety inspection certificate

D. Variation Orders

Any errors, omissions, inconsistencies, inadequacies, or failures submitted by the contractor that do not comply with the requirements shall be rectified, resubmitted, and reviewed at the contractor's cost. If the Contractor wishes to modify any design or document which has been previously submitted, reviewed and approved, the contractor shall notify the procuring entity within a reasonable period of time and shall shoulder the cost of such changes.

1. As a rule, changes in design and construction requirements shall be limited only to those that have not been anticipated in the contract documents prior to contract signing and approval. The following guidelines shall govern approval for change or variation orders:
 - i. Change Orders resulting from design errors, omissions or non-conformance with the performance specifications and parameters and the contract documents by the contractor shall be implemented by the contractor at no additional cost to the procuring entity.
 - ii. Provided that the contractor suffers delay and/or incurs costs due to changes or errors in the procuring entity's performance specifications and parameters, he shall be entitled to either one of the following:
 - an extension of time for any such delays under Section 10 of Annex "E"; or
 - Payment for such costs as specified in the contract documents, provided, that the cumulative amount of the variation order does not exceed ten percent (10%) of the original contract

E. Defects and Liability

1. All projects shall have a minimum Defects Liability Period of one (1) year after contract completion or as provided for in the contract documents. This is without prejudice, however, to the liabilities imposed upon the engineer/architect who drew up the plans and specification for a building sanctioned under Section 1723 of the New Civil Code of the Philippines.
2. The contractor shall be held liable for structural defects and/or failure of the completed project within the warranty periods specified in Section 62.2.3.217 of the IRR.

Section VII. OVERALL PROJECT TIME SCHEDULE

The CONTRACTOR shall propose the most reasonable time schedule for the completion of the project. It is expected that this period will not exceed Three Hundred Thirty (330) calendar days seven (7) days from the date of receipt of the Notice to Proceed (NTP).

Section VIII. RESPONSIBILITIES OF THE IMPLEMENTING AGENCY AND THE CONTRACTOR

A. The Implementing Agencies General Responsibility

The implementing agency for the project is PSHS-MRC. The Design and Build Committee shall:

1. Prepare the design brief for the project in accordance with PSHS Systems' policies, existing codes, traditions, standards, and the conditions and design criteria enumerated in the Technical Specifications.
2. Coordinate with CONTRACTOR and the Campus Director of PSHS-MRC with regards to the design and implementation of the project.
3. Assist in the coordination of the CONTRACTOR with various utility agencies during the detailed design and implementation phases of the project.
4. Conduct regular coordination meetings between the CONTRACTOR and PSHS-MRC to facilitate the implementation of the project.

B. The Contractor's General Responsibility

1. The CONTRACTOR shall certify that he has, at his own expense, inspected and examined the proposed project site, its surroundings and existing infrastructure and facilities related to the execution of the work and has obtained all the pieces of information that are considered necessary for the proper execution of the work covered under these Technical Specifications.
2. The CONTRACTOR shall ensure that all works at the stages of design, construction, restoration of affected areas, and testing and commissioning shall be carried out efficiently and effectively.
3. The CONTRACTOR shall provide PSHS-MRC with complete reports such as technical analysis, maps and details regarding the existing conditions and proposed improvements within the site.
4. The CONTRACTOR shall consider the academic calendar and critical dates and occasions within PSHS-MRC, in order to align his work schedule with the academic calendar of the school to avoid unnecessary disruption of school activities due to construction activities such as closure of water and power supply and non-usage of the existing roads.

5. The CONTRACTOR shall inform PSHS-MRC of critical events during construction, especially when such events can potentially disrupt school activities.
6. The CONTRACTOR shall be PCAB accredited and shall have a Construction Safety and Health Program approved by DOLE and designed specifically for the CONSTRUCTION OF SPORTS FACILITIES.
7. The CONTRACTOR will be held accountable for accidents that might occur during the execution of the project. As a precaution, the CONTRACTOR is required to install warning signs and barriers for the safety of the general public and the avoidance of any accidents and provide appropriate and approved type personal protective equipment for their construction personnel.
8. All works designed and constructed should be guaranteed to seamlessly fit into the overall system general design standards of the PSHS System.

Section IX. PROJECTED SUBMITTALS DURING THE PROJECT

The following submittals and accomplished documents shall be duly completed and turned over by the CONTRACTOR for the project.

A. For the Pre-Construction Phase (7 copies each)

1. All necessary permits (Fees shall be included in the contract)
2. PERT-CPM / PDM
3. Bar Chart/S-Curve
4. Manpower Schedule/Utilization
5. Equipment Utilization Schedule
6. Construction Methods
7. Derivation of Contract Time
8. Cashflow
9. Occupational Safety and Health Program approved by DOLE

B. For the Construction Phase (7 copies each)

1. As-built plans (hard copy and soft copy)
2. All necessary permits (Fees shall be included in the contract)
3. Shop drawings (hard copy and soft copy)
4. PERT-CPM
5. Test results
6. Guarantees, warranties and other certificates
7. Fire and Life Safety Assessment Report 2 and 3 (FALAR 2 and 3)

C. For the Post-Construction Phase (7 copies each)

1. Certificate of Occupancy (if applicable)
2. Fire Safety Inspection Certificate
3. All other necessary documents to be required by D & B Committee

Section X. CODES AND STANDARDS

The project shall be designed, engineered, installed, tested, commissioned, and handed over in conformity with the latest editions of the National Building Code of the Philippines, the National Structural Code of the Philippines, the Philippine Electrical Code, Philippine Mechanical Code, the National Plumbing Code of the Philippines, National Fire Code of the Philippines and other relevant codes and standards.

Section XI. INSTALLATION AND WORKMANSHIP

Personnel of the CONTRACTOR should be specialists highly skilled in their respective trades, performing all labor according to first-class standards. A full time Project Manager, Project Engineer/Architect, Construction Safety Engineer or Safety Officer, First Aider and Foreman shall be assigned by the CONTRACTOR at the job site during the construction of the project.

All work to be subcontracted shall be declared by the CONTRACTOR and shall be approved by the Campus Director of PSHS-MRC and its respective technical offices. However, subcontracting of any portion shall not relieve the build contractor from any liability or obligation that may arise from the contract for this project.

Tapping for utilities such as power supply, water supply and sewage drainage shall be coordinated with their respective utilities/ service provider/ companies, and all works involved, including access to utilities tapping point, excavation, removal of obstructions, concrete breaking, backfilling and restoration of affected areas, shall be coordinated and included in the scope of work and cost of the project.

Any errors, omissions, inconsistencies, inadequacies, or failure submitted by the CONTRACTOR that do not comply with the requirements shall be rectified, resubmitted, and reviewed at the CONTRACTOR'S cost. If the CONTRACTOR wishes to modify any design or document which has been previously submitted, reviewed, and approved, the CONTRACTOR shall notify the procuring entity within a reasonable period and shall shoulder the cost of such changes.

Section XII. MATERIALS

All materials and equipment shall be standard products of manufacturers engaged in the production of such materials and equipment and shall be the manufacturer's latest standard design.

The materials and workmanship supplied shall be of the best grade and constructed and/ or installed in a practical and first-class manner. It will be completed in operation, nothing being omitted in the way of labor and materials required and it will be delivered and turned over in good condition, complete and perfect in every respect.

All materials shall be in conformance with the latest standards and with inspection and approval from the Design and Build Committee.

Section XIII. MODE OF PAYMENT

- A. The PSHS-MRC shall pay the winning CONTRACTOR progress payments based on billings for actual works accomplished, as certified by the Design and Build Committee of the PSHS System. In no case shall progress billing be made more than once every **Thirty (30) calendar days**. Materials or equipment delivered on the site but not completely put in place or used in the project shall not be included for payment.
- B. All progress payment shall be subject to retention of ten percent (10%) based on the amount due to the winning CONTRACTOR prior to any deduction. The total retention money shall be released only upon Final Acceptance of the Project. The winning CONTRACTOR may, however, request for its release prior to Final Acceptance subject to the guidelines set forth in R.A. 9184 and its Implementing Rules and Regulations.
- C. The CONTRACTOR may request in writing which must be submitted to form part of the Contract Documents, for an advanced payment equivalent to fifteen percent (15%) of the total Contract Price. The advance payment shall be made once the BUILD CONTRACTOR issues its irrevocable standby letter of credit from a reputable bank acceptable to the PSHS System, or GSIS Surety Bond of equivalent value, within **Fifteen (15) days** from the signing of the Contract Agreement to cover said advanced payment.
- D. First Payment/Billing shall have an accomplishment of at least 20% of the construction phase.
- E. The following documents must be submitted to the Design and Build Committee before processing of payments to the CONTRACTOR can be made:
 - 1. Progress Billing
 - 2. Detailed Statement of Work Accomplished (SWA)
 - 3. Request for payment by the BUILD CONTRACTOR
 - 4. Pictures/photographs of original site conditions (for Billing)
 - 5. Before, During and After pictures/photographs of work accomplished with a date attached during the actual.
 - 6. Payment of utilities (power and water consumption)
 - 7. CONTRACTOR's affidavit
- F. 15% Advance payment/mobilization fee. The recoupment of 15% is on the first progress billing of the project. But this is subject to negotiation. PSHS-MRC will accept to recoup 50% of the 15% mobilization fee on the first progress billing and the other 50% on the 2nd progress billing.

Section XIV. MISCELLANEOUS

1. RULES REGARDING THE CONTRACT'S INTERPRETATION IN THE CASE OF CONFLICT, DISCREPANCIES, ERRORS, OR OMISSIONS.

RULE 1: The Agreement and the Contract Documents shall be taken as mutually explanatory. The various provisions of the Contract shall be interpreted together, attributing to the doubtful ones that sense which may result from all of them taken jointly.

RULE 2: The provisions of the Civil Code of the Philippines on the interpretation of contracts and of the Rules of Court on the Interpretation of Documents shall be applied.

RULE 3: Where the conflict between or among the provisions of the Agreement and/or the Contract Documents cannot be resolved by Rules 1 and 2, it shall be understood that:

- (a) Detailed Drawings shall prevail over the General Drawings.
- (b) Words and figures shall prevail over the Drawings.
- (c) Words shall prevail over figures in Contract Documents.
- (d) Written dimensions shall prevail over measured dimensions.
- (e) Specifications prevail over Drawings
- (f) Detailed specification requirements prevail over general conditions
- (g) In all cases where a device, item, or part of the equipment is referred to in the singular number, such reference shall apply to as many such devices, items, or parts as are required to complete the work.

RULE 4: Where the conflict cannot be resolved by applying Rule 3 or where Rule 3 does not apply, the conflict shall be resolved by giving precedence to the Agreement or to provisions of a Contract Document higher in order of priority among the various documents which comprise the Contract. The order of priority among these documents shall be as follows:

- (a) Agreement as modified by Notice of Award of Contract, if such be the case, and the Contractor's conformity thereto:
- (b) Instruction to Bidders and any amendment thereto.
- (c) Addenda to Bid Documents.
- (d) Specifications.
- (e) Drawings.
- (f) Special Conditions of Contract.
- (g) General Conditions of Contract.
- (h) Other Contract Documents; and
- (i) Other documents forming part of the Contract attached thereto incorporated therein by reference.

Where the order of precedence is modified in the Agreement, such modified order of precedence shall be followed; however, the mere listing of Contract Documents in the Agreement or any Contract Document shall not be interpreted as establishing an order of precedence among them.

RULE 5: Where there is a discrepancy, defective description, error, or omission in any Contract Document, the Contract Documents shall be interpreted as complementary to each other. Thus, what is called for in one Contract Document, although not mentioned in another Contract Document where it should have been mentioned, shall be deemed to be called for by the Contract.

RULE 6: The apparent silence of the Drawings, Specifications, or any other Contract Document as to any detail, or the lack of detailed description concerning any part of the work, shall be understood to mean that good and accepted construction practice in accordance with the usage or custom of the place shall be followed.

2. ACCOUNTABILITY OF THE WINNING BIDDER OVER THE SCOPE OF WORK OF THE PREVIOUS CONTRACTOR.

The accountability/liability of the first Contractor is their scope of work based on the as-built plans as a reference. The Contractor of Phase 1 and the Contractor of Phase 2 (if the Contractor is different for the two phases) should sign an affidavit of undertaking regarding the liability of the Phase I Contractor.

Note: The CONTRACTOR can bill the PSHS-MRC of up to a maximum of 90% accomplishment.

Prepared by:

DESIGN AND BUILD COMMITTEE:



FREDERICK F. FAZ
Chairperson



MERIAM F. FALLAR
Member



CLINT JONN R. FONDEVILLA
Member



ENGR. MAUREEN R. MARQUEZ
Member



ENGR. JEFFREY JOHN T. FETALVERO
Member

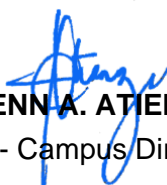


ENGR. JOHN MARK M. FORMILOS
Member



ENGR. ADRIAN B. FAJANILAN
Member

Concurred by:



GLENN A. ATIENZA
OIC - Campus Director

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.

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.



PROJECT: CONSTRUCTION OF ACADEMIC BUILDING II
 LOCATION: BRGY, RIZAL, ODIONGAN , ROMBLON
 OWNER: Philippine Science High School - MIMAROPA Region Campus
 SUBJECT: BILL OF QUANTITIES

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
C.0	GENERAL REQUIREMENTS					
	1.0 Mobilization/ Demobilization	lot	1.00			
	2.0 Bonds and Insurances	lot	1.00			
	3.0 Temporary facilities for Contractor	lot	1.00			
	4.0 Health Safety Requirements	lot	1.00			
	5.0 Temporary Enclosure / board-up	lot	1.00			
	6.0 Material Testing	lot	1.00			
	7.0 As-Built Plan	lot	1.00			
	8.0 Project Billboard	lot	1.00			
C.1	SITE WORKS					
	1.0 Back Fill & Compaction	cu.m				
	2.0 Soil Poisoning /trimming	li.				
	3.0 Gravel Bedding	cu.m				
	4.0 Vapor Barrier (6mils polyethylene plastic cover)	sq.m				
C.2	STRUCTURAL WORKS					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 Reinforce Concrete					
	a. Wall footings(4000psi)	cu.m				
	b. Retaining Wall(4000psi) - Basement to Ground Floor	cu.m				
	c. Slab on Fill (3000psi)	cu.m				
	d. Suspended Slabs (4000Psi)	cu.m				
	e. Columns (4000Psi) - Basement to Ground Floor	cu.m				
	f. Beams and Girders (4000Psi)	cu.m				
	g. Stairs and Landings(4000Psi)	cu.m				
	2.0 Deformed Reinforcing Steel bar (Including tie wires)					
	a. Wall footings(4000psi)	kgs				
	b. Retaining Walls (4000psi) - Basement to Ground Floor	kgs				
	c. Slab on Fill (3000psi)	kgs				
	d. Suspended Slabs (4000Psi)	kgs				
	e. Columns (4000Psi) - Basement to Ground Floor	kgs				
	f. Beams and Girders (4000Psi)	kgs				
	g. Stair and landings (4000Psi)	kgs				
	h. G.I. Wire/Tie Wire	rolls				
	3.0 Formworks and Scaffolding					
	a. Wall footings(4000psi)	sq.m				
	b. Retaining Walls (4000psi) - Basement to Ground Floor	sq.m				
	c. Slab on Fill	sq.m				
	d. Suspended Slabs	sq.m				
	e. Columns - Basement to Ground Floor	sq.m				
	f. Beams and Girders	sq.m				
	g. Stairs and Landings	sq.m				
	SECOND FLOOR TO THIRD					
	1.0 Reinforce Concrete					
	a. Suspended Slabs (4000Psi)	cu.m				
	b. Columns (4000Psi)	cu.m				
	c. Beams and Girders (4000Psi)	cu.m				
	d. Stairs (4000Psi)	cu.m				
	2.0 Deformed Reinforcing Steel bar (Including tie wires Grade 60 abd 40)					
	a. Suspended Slabs (4000Psi)	kgs				
	b. Columns (6000Psi)	kgs				
	c. Beams and Girders (4000Psi)	kgs				
	d. Stairs (4000Psi)	kgs				
	e. G.I. Wire/Tie Wire	rolls				
	3.0 Formworks and Scaffolding					
	a. Suspended Slabs	sq.m				
	b. Columns	sq.m				
	c. Beams and Girders	sq.m				
	d. Stairs and Landings	sq.m				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	ROOF DECK TO UPPER ROOF					
1.0	Reinforce Concrete					
a	Suspended Slabs (4000Psi)	cu.m				
b.	Columns (4000Psi)	cu.m				
c.	Beams and Girders (4000Psi)	cu.m				
d.	Stairs and Landings(4000Psi)	cu.m				
2.0	Deformed Reinforcing Steel bar (Including tie wires Grade 60and Grade 40)					
a	Suspended Slabs (4000Psi)	kgs				
b.	Columns (4000Psi)	kgs				
c.	Beams and Girders (4000Psi)	kgs				
d.	Stairsn and Landings (4000Psi)	kgs				
e.	G.I. Wire/Tie Wire	rolls				
3.0	Formworks and Scaffolding					
c.	Suspended Slabs	sq.m				
d.	Columns	sq.m				
f.	Beams and Girders	sq.m				
h.	Stairs	sq.m				
4.0	Structural Steel Works					
4.1	Truss Roofing					
a.	1- 2L-62.5X62.5X6MM	kgs				
b.	2- 2L-50X50X6MM	kgs				
c.	3- 2L-45X45X6MM	kgs				
c.	4- 2L-38X38X6MM	kgs				
c.	4- 2L-32X32X6MM	kgs				
h.	LC-Purlins (50 x 175 x 12.5mm x 1.5mm thick)	kgs				
i.	Anchor bolt 16mm Ø A325	pcs				
j.	12mm Dia. Cross Bracing	kgs				
k.	Baseplate/Gusset Plates Connector (16/12mm thick)	kgs				
l.	Painting Enamel Finish	sqm				
m.	consumables	ls	1.00			
C.3	ARCHITECTURAL WORKS					
	BASEMENT TO GROUND FLOOR LEVEL					
1.0	MASONRY WORKS/DRYWALL PARTITION					
a.	New CHB Wall-150mm (6") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
b.	New CHB Wall-100mm (4") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
c.	Drywall Partition 100mm thick on 12mm thick Ordinary Gypsum board on standard metal frames	sq.m				
2.0	FINISHES					
2.1	Floor Finishes					
a.	±50mm corrective Floor topping	sq.m				
b.	FF-1; 600x600mm Homogenous tiles (polished) with tile grout on joints	sq.m				
c.	FF-2; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints	sq.m				
d.	FF-3; Straight to finish concrete w/ concrete hardener	sq.m				
e.	FF-4; 10x10mm Rusticated concrete in broom finish @ 100mm O.C.	sq.m				
2.2	Wall Finishes					
a.	300x300mm Homogenous tile (non-skid)	sq.m				
4.0	THERMAL and MOISTURE PROTECTION					
a.	Cementitious capillary type waterproofing membrane by crystallization brush applied or admix to cement	sq.m				
b.	Flexible acrylic waterproofing for retaining wall	sq.m				
5.0	OPENINGS					
5.1	Doors and Jambes					
WD-01	900mm W x 2100mm H Hollow core framed wood door, single leaf	set				
SD-01	1000mm W x 2100mm H Hollow core metal door with fire exit device, single leaf	set				
SD-02	900mm W x 2100mm H Hollow core metal door, single leaf	set				
SD-03	1000mm W x 2100mm H Hollow core metal door, single leaf	set				
SD-04	800mm W x 2100mm H Hollow core metal door, single leaf	set				
SD-05	1000mm W x 2100mm H Hollow core metal door, single leaf	set				
SD-06	900mm W x 2100mm H Hollow core metal door, single leaf	set				
GD-01	2-2660mm W x 2900mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
GD-02	1700mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
GD-03	1000mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
5.2	Windows					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	W-01 4395mm W x 1450mm H Steel casement window with grilles	set				
	W-02 8750mm W x 1450mm H Steel casement window with grilles	set				
	W-03 5265mm W x 1450mm H Steel casement window with grilles	set				
	W-04 3370mm W x 1450mm H Steel casement window with grilles	set				
	W-05 830mm W x 750mm H Sliding window	set				
	W-06 1660mm W x 1450mm H Sliding window	set				
	W-07 3420mm W x 1450mm H Steel casement window with grilles	set				
	W-09 2655mm W x 1450mm H Steel casement window with grilles	set				
	7.0 MISCELLANEOUS WORKS					
	a. 50mmø GI Pipe Railing	m				
	b. Toilet Partitions with Door panel & accessories	m				
	c. Urinal Partitions; Phenolic board	ea				
	SECOND FLOOR					
	1.0 MASONRY WORKS/DRYWALL PARTITION					
	a. New CHB Wall-150mm (6") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
	b. New CHB Wall-100mm (4") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
	c. Drywall Partition 100mm thick on 12mm thick Ordinary Gypsum board on standard metal frames	sq.m				
	2.0 FINISHES					
	2.1 Floor Finishes					
	a. ±50mm corrective Floor topping	sq.m				
	b. FF-1; 600x600mm Homogenous tiles (polished) with tile grout on joints	sq.m				
	c. FF-2; 600x600mm Vitrified ceramic unglazed tiles, non-slip w/ tile grout & sealer on joints	sq.m				
	d. FF-3; Straight to finish concrete w/ concrete hardener	sq.m				
	e. FF-4; 10x10mm Rusticated concrete in broom finish @ 100mm O.C.	sq.m				
	2.2 Wall Finishes					
	a. 300x300mm Homogenous tile (non-skid)	sq.m				
	4.0 THERMAL and MOISTURE PROTECTION					
	a. Cementitious capillary type waterproofing membrane by crystallization brush applied or admix to cement	sq.m				
	5.0 OPENINGS					
	5.1 Doors and Jambes					
	WD-02 1000mm W x 2100mm H Hollow core framed wooddoor with 6mm thk glass view panel, single leaf	set				
	WD-03 1800mm W x 2100mm H Hollow core framed wood door with 6mm thk glass view panel, double leaf	set				
	SD-01 1000mm W x 2100mm H Hollow core metal door with fire exit device, single leaf	set				
	SD-02 900mm W x 2100mm H Hollow core metal door, single leaf	set				
	SD-03 1000mm W x 2100mm H Hollow core metal door, single leaf	set				
	SD-06 900mm W x 2100mm H Hollow core metal door, single leaf	set				
	GD-02 1700mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
	GD-03 1000mm W x 2100mm H x 12mm thick Tempered glass door on standard powder coated aluminum finish	set				
	5.2 Windows					
	W-01 4395mm W x 1450mm H Steel casement window with grilles	set				
	W-02 8750mm W x 1450mm H Steel casement window with grilles	set				
	W-03 5265mm W x 1450mm H Steel casement window with grilles	set				
	W-04 3370mm W x 1450mm H Steel casement window with grilles	set				
	W-05 830mm W x 750mm H Sliding window	set				
	W-07 3420mm W x 1450mm H Steel casement window with grilles	set				
	7.0 MISCELLANEOUS WORKS					
	a. 50mmø GI Pipe Railing	m				
	b. Toilet Partitions with Door panel & accessories	m				
	c. Urinal Partitions; Phenolic board	ea				
	THIRD FLOOR AND ROOF DECK					
	1.0 MASONRY WORKS/DRYWALL PARTITION					
	a. New CHB Wall-150mm (6") CHB Walls Including plastering, stiffener column and lintel beams	sq.m				
	4.0 THERMAL and MOISTURE PROTECTION					
	a. Cementitious capillary type waterproofing membrane by crystallization brush applied or admix to cement	sq.m				
	5.0 OPENINGS					
	5.2 Windows					
	W-01 4395mm W x 1450mm H Steel casement window with grilles	set				
	W-02 8750mm W x 1450mm H Steel casement window with grilles	set				
	W-03 5265mm W x 1450mm H Steel casement window with grilles	set				
	W-04 3370mm W x 1450mm H Steel casement window with grilles	set				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	W-05 830mm W x 750mm H Sliding window	set				
	W-07 3420mm W x 1450mm H Steel casement window with grilles	set				
	6.0 ROOFING WORKS					
	a. GA#24 Pre-painted longspan (rib type) GI Sheet roofing including bended accessories and 16 kg ACI fiberglass insulation on one face foil cover	sq.m				
C.4	ELECTRICAL WORKS					
	BASEMENT AND GROUND FLOOR					
	A Lighting and Power System					
	1.0 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					
	1.1 PVC Pipe					
	20mm Ø	L				
	25mm Ø	L				
	32mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	20mm Ø PVC L-A	pcs				
	25mm Ø PVC L-A	pcs				
	32mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	15mm Ø	L				
	20mm Ø	L				
	25mm Ø	L				
	50mm Ø	L				
	1.4 EMT Elbow					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	50mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	50mm Ø	pcs				
	2.0 Boxes and Flexible Conduit					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metallic Conduit	m				
	15mm diameter Flexible connector	pcs				
	1000sqmmx600mm Pullboxes	pcs				
	400sqmmx300mm Pullboxes	pcs				
	3.0 Wires & Cables THHN stranded					
	3.5mm ²	m				
	5.5mm ²	m				
	8.0mm ²	m				
	14mm ²	m				
	22mm ²	m				
	30mm ²	m				
	60mm ²	m				
	4.0 Wiring Device					
	Simplex Convenience Outlet	set				
	Duplex Convenience Outlet	set				
	Weather Proof Outlet	set				
	Duplex Convenience GFCI Outlet	set				
	Floor Mounted Duplex Outlet	set				
	Special Outlet (twist lock)	set				
	One gang Switch	set				
	Two gang Switch	set				
	5.0 Lighting Fixtures					
	Recessed LED Down Light	set				
	2 - 9 w LED Luminaire Lamp	set				
	2 - 32 w Fluorescent Dust Proof LED Light	set				
	Exit Light	set				
	6.0 PANEL BOARDS					
	DPGF	assy				
	Main : 300AT/450AF,3P, 230V					
	In NEMA 1 Surface mounted					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	PPGF	assy				
	Main : 40AT/250AF,3P, 230V					
	In NEMA 1 Surface mounted					
	LPGF	assy				
	Main : 30AT/100AF,3P, 400V, 18KAIC					
	In NEMA 1 Surface mounted					
	7.0 ENCLOSED CIRCUIT BREAKER					
	MCB					
	6A,2P,230V	assy				
	NEMA 3R					
	60A,3P,ECB,230V	assy				
	70A,3P,ECB,230V	assy				
	B Grounding and Bonding System					
	1.0 Conduit Pipes for roughing installation					
	1.1 PVC Pipe					
	32mm Ø x 3m PVC Pipe	pcs				
	1.2 Bare Copper Wire and Grounding Rod and Accessories					
	50mm ² , soft drawn bare copper wires	m				
	Ground rod, 20mm dia., 3m length, copper clad steel	pcs				
	Ground Plate	pcs				
	Exothermic welding	m-hr				
	Inspection Pit	set				
	Restoration works	m-hr				
	SECOND FLOOR LEVEL					
	A Lighting and Power System					
	1.0 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					
	1.1 PVC Pipe					
	20mm Ø	L				
	25mm Ø	L				
	32mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	20mm Ø PVC L-A	pcs				
	25mm Ø PVC L-A	pcs				
	32mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	15mm Ø	L				
	20mm Ø	L				
	25mm Ø	L				
	1.4 EMT Elbow					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	2.0 Boxes and Flexible Conduit					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metalic Conduit	m				
	15mm diameter Flexible connector	pcs				
	1000sqmmx600mm Pullboxes	pcs				
	400sqmmx300mm Pullboxes	pcs				
	3.0 Wires & Cables THHN stranded					
	3.5mm ²	m				
	5.5mm ²	m				
	8.0mm ²	m				
	14mm ²	m				
	4.0 Wiring Device					
	Simplex Convenience Outlet	set				
	Duplex Convenience Outlet	set				
	Floor Mounted Duplex Outlet	set				
	One gang Switch	set				
	Two gang Switch	set				
	5.0 Lighting Fixtures					
	Recessed LED Down Light	set				
	2 - 9 w LED Luminaire Lamp	set				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	2 - 32 w Fluorescent Dust Proof LED Light	set				
	Exit Light	set				
	6.0 PANEL BOARDS					
	PP2F	assy				
	Main : 60AT/100 AF,3P, 230 v					
	In NEMA 1 Surface mounted					
	LP2F	assy				
	Main : 40AT/100 AF,3P, 230 v					
	In NEMA 1 Surface mounted					
	7.0 ENCLOSED CIRCUIT BREAKER					
	MCB					
	6A,2P,230V	assy				
	3RD FLOOR AND ROOF DECK FLOOR					
	A Lighting and Power System					
	1.0 Conduit Pipes for roughing installation					
	1.1 Roughing-ins					
	1.1 PVC Pipe					
	20mm Ø	L				
	25mm Ø	L				
	32mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	20mm Ø PVC L-A	pcs				
	25mm Ø PVC L-A	pcs				
	32mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	15mm Ø	L				
	20mm Ø	L				
	25mm Ø	L				
	32mm Ø	L				
	1.4 EMT Elbow					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	32mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	15mm Ø	pcs				
	20mm Ø	pcs				
	25mm Ø	pcs				
	2.0 Boxes and Flexible Conduit					
	4x4 junction box w/ cover #16	pcs				
	B Lightning Protection					
	1.0 Conduit Pipes for roughing installation					
	1.1 PVC Pipe					
	32mm Ø x 3m PVC Pipe	pcs				
	1.2 Bare Copper Wire and Grounding Rod and Accessories					
	50mm2, soft drawn bare copper wires	m				
	Ground Plate	pcs				
	Exothermic welding	m-hr				
	Restoration works	m-hr				
	Air Terminal	set				
	C.5 AUXILIARY WORKS					
	A Structured Cabling					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	50mm Ø	L				
	1.2 PVC Locknut ,Adaptors and Bushings					
	50mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	20mm Ø	L				
	1.4 EMT Elbow					
	20mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	20mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	50mm Ø	L				
	1.2 PVC Locknut ,Adaptors and Bushings					
	50mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	20mm Ø	L				
	1.4 EMT Elbow					
	20mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	20mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	50mm Ø	L				
	1.2 PVC Locknut ,Adaptors and Bushings					
	50mm Ø PVC L-A	pcs				
	1.3 EMT Pipe w/ coupling					
	20mm Ø	L				
	1.4 EMT Elbow					
	20mm Ø	pcs				
	1.5 EMT Lock Nut and Bushing					
	20mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	B. Closed Circuit Television System					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	1.1a 20mm Ø	L				
	1.1b 50mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	1.2a 20mm Ø PVC L-A	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metalic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	2.6 Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	1.1a 20mm Ø	L				
	1.1b 50mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	1.2a 20mm Ø PVC L-A	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	2.6 Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 PVC Pipe					
	1.1a 20mm Ø	L				
	1.1b 50mm Ø	L				
	1.2 Locknut ,Adaptors and Bushings					
	1.2a 20mm Ø PVC L-A	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	2.6 Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	C. FIRE DETECTION AND ALARM SYSTEM BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	3RD TO ROOF DECK FLOOR LEVEL					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	D PA-BGM					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	1.1a 15mm Ø	L				
	1.2 EMT Elbow					
	1.2a 15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	1.3a 15mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2.1 2x4 utility boxe #16	pcs				
	2.2 4x4 junction box w/ cover #16	pcs				
	2.3 4x4 square box with cover #16	pcs				
	2.4 15mm diameter Flexible Metallic Conduit	m				
	2.5 15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	3RD TO ROOF DECK FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	15mm Ø	L				
	1.2 EMT Elbow					
	15mm Ø	pcs				
	1.3 EMT Lock Nut and Bushing					
	15mm Ø	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metallic Conduit	m				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	15mm diameter Flexible connector	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
E	ACCESS CONTROL SYSTEM					
	BASEMENT TO GROUND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	20mm Ø x 4m IMC Pipe	L				
	25mm Ø x 4m IMC Pipe	L				
	1.2 EMT Elbow					
	20mm Ø IMC	pcs				
	25mm Ø IMC	pcs				
	1.3 EMT Nut and Bushing					
	20mm Ø IMC	pcs				
	25mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metalic Conduit	m				
	15mm diameter Flexible connector	pcs				
	Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	2ND FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	20mm Ø x 4m IMC Pipe	L				
	25mm Ø x 4m IMC Pipe	L				
	1.2 EMT Elbow					
	20mm Ø IMC	pcs				
	25mm Ø IMC	pcs				
	1.3 EMT Nut and Bushing					
	20mm Ø IMC	pcs				
	25mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metalic Conduit	m				
	15mm diameter Flexible connector	pcs				
	Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			
	3RD FLOOR LEVEL					
	1.0 ROUGHING INSTALTION					
	1.1 EMT Pipe w/ coupling					
	20mm Ø x 4m IMC Pipe	L				
	25mm Ø x 4m IMC Pipe	L				
	1.2 EMT Elbow					
	20mm Ø IMC	pcs				
	25mm Ø IMC	pcs				
	1.3 EMT Nut and Bushing					
	20mm Ø IMC	pcs				
	25mm Ø IMC	pcs				
	2.0 Boxes , Pull Box and Flexible Conduit and Connectors					
	2x4 utility boxe #16	pcs				
	4x4 junction box w/ cover #16	pcs				
	4x4 square box with cover #16	pcs				
	15mm diameter Flexible Metalic Conduit	m				
	15mm diameter Flexible connector	pcs				
	Pull Box	pcs				
	5.0 Consumables (Solvent , Gas , GI Wire, Tapes)	lot	1.00			

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
C.6	PLUMBING AND SANITARY WORKS					
	BASEMENT FLR TO GROUND FLOOR LEVEL					
C.6A	Water Line System					
	1.0 Potable Lateral Water Lines & Roughing-in of Toilets					
	1.1 GI Pipes Sch 40					
	50 mmØ x 6mtrs	lgth				
	40 mmØ x 6mtrs	lgth				
	1.2 Coupling					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.3 Tee Connector					
	50 mm x 50 mm Ø	pc/s				
	50 mm x 32 mm Ø	pc/s				
	40 mm x 40 mm Ø	pc/s				
	40 mm x 32 mm Ø	pc/s				
	1.4 Elbow					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.5 Reducer					
	50mmØ x 32 mmØ	pc/s				
	40mmØ x 32 mmØ	pc/s				
	1.6 PPR Pipes PN 16					
	32 mmØ x 4mtrs	lgth				
	25 mmØ x 4mtrs	lgth				
	20 mmØ x 4mtrs	lgth				
	1.7 Coupling					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.8 Tee Connector					
	32 mmØ x 32 mmØ	pc/s				
	32 mmØ x 25 mmØ	pc/s				
	25 mmØ x 25 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	20 mmØ x 20 mmØ	pc/s				
	1.9 Elbow					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.10 Female Adaptor					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	15 mmØ	pc/s				
	1.11 Male Adaptor					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.12 Reducer					
	32 mmØ x 25 mmØ	pc/s				
	32 mmØ x 20 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	1.13 End Cap					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	1.14 Wye Strainer (Brass)					
	50 mmØ	pc/s				
	1.15 Check Valve (Brass)					
	50 mmØ	pc/s				
	1.16 Gate Valve (Brass)					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.16 Appurtences					
	Shower Accessories	set				
	Lavatory Wall Hung	set				
	Lavatory Counter Top	set				
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	Hangers/Support & Consumable Materials	lot				
	1.17 Testing and Commisioning	m-hr				
	SECOND FLR LEVEL					
	1.0 Potable Lateral Water Lines & Roughing-in of Toilets					
	1.1 GI Pipes Sch 40					
	50 mmØ x 6mtrs	lgth				
	40 mmØ x 6mtrs	lgth				
	1.2 Coupling					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.3 Tee Connector					
	50 mm x 50 mm Ø	pc/s				
	50 mm x 32 mm Ø	pc/s				
	40 mm x 40 mm Ø	pc/s				
	40 mm x 32 mm Ø	pc/s				
	1.4 Elbow					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	1.5 Reducer					
	50mmØ x 32 mmØ	pc/s				
	40mmØ x 32 mmØ	pc/s				
	1.6 PPR Pipes PN 16					
	32 mmØ x 4mtrs	lgth				
	25 mmØ x 4mtrs	lgth				
	20 mmØ x 4mtrs	lgth				
	1.7 Coupling					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.8 Tee Connector					
	32 mmØ x 32 mmØ	pc/s				
	32 mmØ x 25 mmØ	pc/s				
	25 mmØ x 25 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	20 mmØ x 20 mmØ	pc/s				
	1.9 Elbow					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.10 Female Adaptor					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	15 mmØ	pc/s				
	1.11 Male Adaptor					
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.12 Reducer					
	32 mmØ x 25 mmØ	pc/s				
	32 mmØ x 20 mmØ	pc/s				
	25 mmØ x 20 mmØ	pc/s				
	1.13 End Cap					
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	1.16 Gate Valve (Brass)					
	50 mmØ	pc/s				
	40 mmØ	pc/s				
	32 mmØ	pc/s				
	25 mmØ	pc/s				
	20 mmØ	pc/s				
	1.16 Appurtences					
	Lavatory Counter Top	set				
	Urinal with Flush valve	set				
	Water Closet Tank Type	set				
	Hose Bib	set				
	Hangers/Support & Consumable Materials	lot				
	1.17 Testing and Commisioning	m-hr				
C.6B	SANITARY AND WASTE SYSTEM					
	BASEMENT FLOOR & GROUND FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	150 mmø x 3 m	lgth				
	100 mmø x 3 m	lgth				
	75 mmø x 3 m	lgth				
	50 mmø x 3 m	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.3 Wye					

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	150 x 75 mmø	pc/s				
	100 x 100 mmø	pc/s				
	100 x 75 mmø	pc/s				
	100 x 50 mmø	pc/s				
	75 x 75 mmø	pc/s				
	75 x 50 mmø	pc/s				
	50 x 50 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 P-Trap					
	50 mmø	pc/s				
	2.6 Drains					
	Floor Drain					
	50 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	SECOND FLR LEVEL					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	150 mmø x 3 m	lgth				
	100 mmø x 3 m	lgth				
	75 mmø x 3 m	lgth				
	50 mmø x 3 m	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	150 x 75 mmø	pc/s				
	100 x 100 mmø	pc/s				
	100 x 75 mmø	pc/s				
	100 x 50 mmø	pc/s				
	75 x 75 mmø	pc/s				
	75 x 50 mmø	pc/s				
	50 x 50 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 P-Trap					
	50 mmø	pc/s				
	2.6 Drains					
	Floor Drain					
	50 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	3RD FLOOR & ROOF DECK FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	150 mmø x 3 m	lgth				
	100 mmø x 3 m	lgth				
	75 mmø x 3 m	lgth				
	50 mmø x 3 m	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	50 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	150 x 75 mmø	pc/s				
	100 x 100 mmø	pc/s				

ITEM NO.	DESCRIPTION	Unit	QTY	UNIT COST	AMOUNT	TOTAL
	100 x 75 mmø	pc/s				
	100 x 50 mmø	pc/s				
	75 x 75 mmø	pc/s				
	75 x 50 mmø	pc/s				
	50 x 50 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 Vent Cap					
	100 mmø	pc/s				
	2.6 P-Trap					
	50 mmø	pc/s				
	2.7 Drains					
	Floor Drain					
	50 mmø	pc/s				
	2.8 Vent Thru Deck with wire Mesh					
	150 mmø	pc/s				
	100 mmø	pc/s				
	75 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
C.6C	STORM DRAINAGE PIPING SYSTEM					
	BASEMENT FLOOR & GROUND FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	150mmø	lgth				
	100mmø	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	100 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 Ceiling Cleanout					
	100 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	100 mmø	pc/s				
	2ND FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	100mmø	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	100 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	2.5 Ceiling Cleanout					
	100 mmø	pc/s				
	Hangers/Support & Consumable Materials	lot				
	Testing and Commisioning	m-hr				
	100 mmø	pc/s				
	3RD FLOOR & ROOF DECK FLOOR					
	Pipes and Fittings					
	1.0 Pipes (PVC Series 1000)					
	100mmø	lgth				
	2.0 Fittings					
	2.1 Elbow (45°)					
	100 mmø	pc/s				
	2.2 Elbow (90°)					
	150 mmø	pc/s				
	100 mmø	pc/s				
	2.3 Wye					
	150 x 150 mmø	pc/s				
	150 x 100 mmø	pc/s				
	2.4 Floor Clean Out w/ Brass Cover					
	100 mmø	pc/s				
	2.5 Ceiling Cleanout					



PROJECT: CONSTRUCTION OF ACADEMIC 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
	C.Fuel/Oil				
	Ex. Gasoline & etc.	10	ltr	75.00	750.00
	Sub - Total B:				750.00
	TOTAL DIRECT COST (TDC):				490,750.00
	INDIRECT COST (IDC)				
	E. OCM				
	F. VAT				
	TOTAL INDIRECT COST:				E+F
	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

Class “A” Documents

Legal Documents

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

Technical Documents

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

Financial Documents

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

Class “B” Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

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

