

PHILIPPINE BIDDING DOCUMENTS

Government of the Republic of the Philippines
UNIVERSITY OF THE PHILIPPINES CEBU

Construction of The She Shelter Residences: A Three-Storey Ladies' Dormitory with Roof Deck

*ABC = Forty Two Million Six Hundred Sixty Eight
Thousand Pesos
(Php 42,668 ,000.00)*



**Sixth Edition
July 2020**

TABLE OF CONTENTS

GLOSSARY OF.....	4
TERMS, ABBREVIATIONS, AND ACRONYMS	4
SECTION I. INVITATION TO BID.....	ERROR! BOOKMARK NOT DEFINED.
SECTION II. INSTRUCTIONS TO BIDDERS	9
1. Scope of Bid.....	9
2. Funding Information	9
3. Bidding Requirements.....	9
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	10
5. Eligible Bidders.....	10
6. Origin of Associated Goods	10
7. Subcontracts	10
8. Pre-Bid Conference	11
9. Clarification and Amendment of Bidding Documents.....	11
10. Documents Comprising the Bid: Eligibility and Technical Components.....	11
11. Documents Comprising the Bid: Financial Component	12
12. Alternative Bids	12
13. Bid Prices	12
14. Bid and Payment Currencies.....	12
15. Bid Security.....	13
16. Sealing and Marking of Bids.....	13
17. Deadline for Submission of Bids	13
18. Opening and Preliminary Examination of Bids	13
19. Detailed Evaluation and Comparison of Bids.....	13
20. Post Qualification.....	14
21. Signing of the Contract	14
SECTION III. BID DATA SHEET	15
SECTION IV. GENERAL CONDITIONS OF CONTRACT	17
1. Scope of Contract.....	17
2. Sectional Completion of Works	17
3. Possession of Site.....	17
4. The Contractor’s Obligations.....	17
5. Performance Security	18

6.	Site Investigation Reports	18
7.	Warranty.....	18
8.	Liability of the Contractor.....	18
9.	Termination for Other Causes	18
10.	Dayworks	19
11.	Program of Work.....	19
12.	Instructions, Inspections and Audits	19
13.	Advance Payment.....	19
14.	Progress Payments	19
15.	Operating and Maintenance Manuals.....	20
SECTION V. SPECIAL CONDITIONS OF CONTRACT		21
SECTION VI. SPECIFICATIONS.....		22
SECTION VII. DRAWINGS		26
SECTION VIII. BILL OF QUANTITIES		31
SECTION IX. CHECKLIST OF TECHNICAL AND FINANCIAL DOCUMENTS		48

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.



University of the Philippines Cebu

Section I. Invitation to Bid

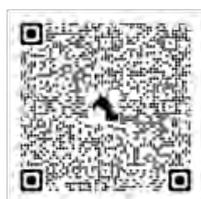
Invitation to Bid for the Construction of The She Shelter Residences: A Three-Storey Ladies' Dormitory with Roof Deck

1. The *University of the Philippines Cebu*, through the *GAA 2025* intends to apply the sum of ***Forty Two Million Six Hundred Sixty Eight Thousand Pesos (₱42,668,000.00)*** being the Approved Budget for the Contract (ABC) to payments under the contract, ***Construction of She-Shelter Residences: A Three Storey Ladies' Dormitory with Roof Deck*** with contract ID *I-2025-003*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The *University of the Philippines Cebu* now invites bids for the above Procurement Project. Completion of the Works is required in ***365 (Three Hundred Sixty Five)*** calendar days for the ***Construction of the She Shelter Residences: A Three Storey Ladies' Dormitory with Roof Deck..*** Bidders should have completed a contract similar to the Project in the last 3 years. 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 *University of the Philippines Cebu* and inspect the Bidding Documents at the address given below from ***8:00 AM – 12:00 NN, 1:00 PM – 5:00 PM.***
5. A complete set of Bidding Documents may be acquired by interested bidders on ***May 19, 2025*** from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Twenty Five Thousand Pesos (₱25,000.00).* The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person or through email on or before the deadline for submission of bids.*
6. The *University of the Philippines Cebu* will hold a Pre-Bid Conference on ***May 28, 2025 at 11:00AM*** at the *UP Cebu BAC Office Ground Flr. College of Science Building* and/or through videoconferencing/webcasting via Zoom Meeting ID: 963 3834 4835 PW: *UPCBACPreB* which shall be open to prospective bidders.

7. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before **June 11, 2025 11:00AM**. 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 **June 11, 2025 11:00AM** at the given address below UP Cebu BAC Office, Ground Flr. College of Science Bldg. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity face to face or via Zoom Meeting ID: 983 9167 8737 PWD: UPCBACOpen
10. ***Bidders are required to submit electronic file of the scanned copy of their bid in a flash drive to be submitted together with their bid inside the bid envelope. They are also required to do ocular inspection of the site and secure a certificate of site inspection signed by the Office of the Campus Architect to be attached to their bid docs.***
11. The *University of the Philippines Cebu* 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:

GiNESSA Rupinta
BAC Secretariat Chair
Bids and Awards Committee
UP Cebu, Lahug, Cebu City
bac_sec.upcebu@up.edu.ph
(032) 232-8187 loc 316
13. You may visit the following websites:

For downloading of Bidding Documents:



May 15, 2025

Lorel S. Dee, M.D.
BAC Chair

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, *the University of the Philippines Cebu* invites Bids for the ***Construction of The She-Shelter Residences: A Three-Storey Ladies' Dormitory with Roof Deck***, with Project Identification Number **I-2025-003**.

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

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2025** in the amount of ***Forty Two Million Six Hundred Sixty Eight Thousand Pesos (₱42,668,000.00)***.

2.2. The source of funding is:

NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

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

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

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

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

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

5. Eligible Bidders

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

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

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

6. Origin of Associated Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

Subcontracting is allowed. The portions of Project and the maximum percentage allowed to be subcontracted are indicated in the **BDS**, which shall not exceed fifty percent (50%) of the contracted Works.

- 7.1. The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.
- 7.2. 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 UP Cebu BAC Office, Ground Flr. College of Science Bldg and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

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

- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.
- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

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

Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until **October 9, 2025**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC

shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

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

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

ITB Clause																									
1.1	<p>The Procuring Entity is <i>University of the Philippines Cebu</i>.</p> <p>The name of the Contract is <i>Construction of She Shelter Residences: A Three-Storey Ladies' Dormitory with Roof Deck</i></p> <p>The identification number of the Contract is <i>I- 2025-003</i></p>																								
2	<p>The Funding Source is:</p> <p>The Government of the Philippines (GoP) through <i>GAA 2025</i> in the amount of <i>Eight Million Nine Hundred Ninety Two Thousand Five Hundred Forty Two Pesos and Forty Three Centavos (₱42,668,000.00)</i>.</p> <p>The name of the Project is <i>Construction of She Shelter Residences: A Three-Storey Ladies' Dormitory with Roof Deck</i>.</p>																								
3.1	No further instructions.																								
5.1	No further instructions.																								
5.2	<p>Bidding is restricted to eligible bidders as defined in ITB Clause 5.1.</p> <p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p style="text-align: center;"><i>Construction of 4-Storey Building</i></p>																								
5.4(a)	No further instructions.																								
5.4 (b)	For this purpose, similar contracts shall refer to contracts which have the same major categories of work in the last three years																								
8.1	<i>Subcontracting may be allowed. Electronics/Auxiliary works and Fire Pro</i>																								
10.3	<i>PCAB license must be at least: B, General Engineering</i>																								
10.4	<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u><i>Key Personnel</i></u></th> <th style="text-align: left;"><u><i>General Experience</i></u></th> <th style="text-align: left;"><u><i>Relevant Experience in Construction</i></u></th> </tr> </thead> <tbody> <tr> <td><i>Architect</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> <tr> <td><i>Structural or CE</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> <tr> <td><i>Electrical Engineer</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> <tr> <td><i>ME (including Fire Pro)</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> <tr> <td><i>Master Plumber</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> <tr> <td><i>ECE/FDAS</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> <tr> <td><i>Foreman/Project Manager</i></td> <td><i>3 years</i></td> <td><i>same</i></td> </tr> </tbody> </table>	<u><i>Key Personnel</i></u>	<u><i>General Experience</i></u>	<u><i>Relevant Experience in Construction</i></u>	<i>Architect</i>	<i>3 years</i>	<i>same</i>	<i>Structural or CE</i>	<i>3 years</i>	<i>same</i>	<i>Electrical Engineer</i>	<i>3 years</i>	<i>same</i>	<i>ME (including Fire Pro)</i>	<i>3 years</i>	<i>same</i>	<i>Master Plumber</i>	<i>3 years</i>	<i>same</i>	<i>ECE/FDAS</i>	<i>3 years</i>	<i>same</i>	<i>Foreman/Project Manager</i>	<i>3 years</i>	<i>same</i>
<u><i>Key Personnel</i></u>	<u><i>General Experience</i></u>	<u><i>Relevant Experience in Construction</i></u>																							
<i>Architect</i>	<i>3 years</i>	<i>same</i>																							
<i>Structural or CE</i>	<i>3 years</i>	<i>same</i>																							
<i>Electrical Engineer</i>	<i>3 years</i>	<i>same</i>																							
<i>ME (including Fire Pro)</i>	<i>3 years</i>	<i>same</i>																							
<i>Master Plumber</i>	<i>3 years</i>	<i>same</i>																							
<i>ECE/FDAS</i>	<i>3 years</i>	<i>same</i>																							
<i>Foreman/Project Manager</i>	<i>3 years</i>	<i>same</i>																							
10.5	<p>The minimum major equipment requirements are the following:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u><i>Equipment</i></u></th> <th style="text-align: left;"><u><i>Capacity</i></u></th> <th style="text-align: left;"><u><i>Number of Units</i></u></th> </tr> </thead> <tbody> <tr> <td><i>Mobile Crane</i></td> <td></td> <td><i>at least 1</i></td> </tr> <tr> <td><i>Excavator</i></td> <td></td> <td><i>at least 1</i></td> </tr> <tr> <td><i>Mini Excavator</i></td> <td></td> <td><i>at least 1</i></td> </tr> <tr> <td><i>Mixer</i></td> <td><i>1 bagger</i></td> <td><i>at least 1</i></td> </tr> <tr> <td><i>Mixer</i></td> <td><i>batching plant & pumpcrete</i></td> <td><i>at least 1</i></td> </tr> </tbody> </table>	<u><i>Equipment</i></u>	<u><i>Capacity</i></u>	<u><i>Number of Units</i></u>	<i>Mobile Crane</i>		<i>at least 1</i>	<i>Excavator</i>		<i>at least 1</i>	<i>Mini Excavator</i>		<i>at least 1</i>	<i>Mixer</i>	<i>1 bagger</i>	<i>at least 1</i>	<i>Mixer</i>	<i>batching plant & pumpcrete</i>	<i>at least 1</i>						
<u><i>Equipment</i></u>	<u><i>Capacity</i></u>	<u><i>Number of Units</i></u>																							
<i>Mobile Crane</i>		<i>at least 1</i>																							
<i>Excavator</i>		<i>at least 1</i>																							
<i>Mini Excavator</i>		<i>at least 1</i>																							
<i>Mixer</i>	<i>1 bagger</i>	<i>at least 1</i>																							
<i>Mixer</i>	<i>batching plant & pumpcrete</i>	<i>at least 1</i>																							

12.0	<i>No further instructions.</i>
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than <i>Eight Hundred Fifty Three Thousand Three Hundred Sixty Pesos (₱853,360.00)</i> 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>Two Million One Hundred Thirty Three Thousand Four Hundred Pesos (₱2,133,400.00)</i> if bid security is in Surety Bond.</p>
19.2	Partial bid is not allowed.
20	<i>No further instructions.</i>
21	<p>Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, The following documents shall also be submitted together with the bid.</p> <p>A. The bidder's proposed</p> <ul style="list-style-type: none"> • <i>Program of Works</i> • <i>Work Schedule</i> • <i>Bill of Quantities / Detailed Cost Estimates</i> • <i>Manpower Schedule</i> • <i>Plans/ Drawings (if any)</i> • <i>Construction Safety and Health Program/Plan (to be submitted to DOLE for approval prior to contract implementation)</i> <p>B. Certificate of site inspection signed by OCA</p>

Section IV. General Conditions of Contract

1. Scope of Contract

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

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

2. Sectional Completion of Works

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

3. Possession of Site

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

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

4. The Contractor's Obligations

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

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

5. Performance Security

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

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

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

11. Program of Work

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

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

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

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

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	<i>No further instructions</i>
4.1	<i>Possession of the site will be upon effectivity of the NTP</i>
6	The site investigation reports are: <i>none</i>
7.2	Fifteen (15) years warranty
10	No dayworks are applicable to the contract.
11.1	The Contractor shall submit the Program of Works to the Procuring Entity's Representative within <i>five (5)</i> 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 1%.
13	The amount of the advance payment is <i>15% of the total contract price and payments shall be made through accomplishment progress billing by the contractor as confirmed by the OCA</i> <i>The advance payment shall be made only upon the submission to and acceptance by the procuring entity of an irrevocable standby letter of credit of equivalent value from a commercial bank, a bank guarantee or a surety bond callable upon demand, issued by a surety or insurance company duly licensed by the Insurance Commission and confirmed by the procuring entity. (Sec 4.2 Annex E of the 2016 IRR RA9184)</i>
14	Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which "as built" drawings are required is prior to issuance of Certificate of Completion.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is <i>1% of contract amount.</i>

Section VI. Specifications

SUMMARY OF WORKS

1.1 GENERAL INTENTION

General. It is declared and acknowledged intention and meaning to provide and secure the construction of the complete and ready for use. The building shall have architectural, structural, plumbing and sanitary engineering provisions.

1.2 SCOPE OF WORK

The work shall consist of the entire fabrication, furnishing, delivery and installation, complete in all details, at the subject premises and all work materials, tools, equipment and technical operations incidental to the proper completion of the project, except those portions of the work which are expressly stated to be done by others or as supplied by the Owner. All works shall be in accordance with the governing Codes and Regulation and with the specifications, except those where same shall conflict with such Codes, etc., which latter shall govern. The requirements with regards to materials and appliances necessary to complete installation of the work specified herein and indicated in the drawings shall be executed to the best construction practices and as per Manufacturer's instructions.

1.2.1 Structural/Civil Works

The Civil Works shall include entry platform, ramps, steps, drainage and sanitary systems, electrical and electronic/communication service connection systems, earth fillings, embankments, grading and demolition as indicated in the drawings. The Structural system shall be reinforce concrete and steel framing, renewable materials such as wood and pre-cast concrete. The design shall also include the following:

1. Provision for building structural system including excavation, backfill, grading and compacting works.
2. Establishment of structural members as designed for on-grade and suspended slabs, columns, beams, shear wall and supports.
3. Concrete and Masonry works, reinforcement, grouting and wall construction.
4. Structural steel, metal fabrications and trims, wall guard, railings, partitions and enclosures.

1.2.2 Architectural Works

Architectural Works shall include the following provisions complete for the construction of building requirements in accordance to Specifications, Contract Drawings and applicable Codes and Standards:

- A. Rough and finish carpentry, architectural wood applications for counters, paneling and sheathing.
- B. Thermal and Moisture protection including roof material and installations, building insulation, waterproofing and treatments.
- C. Doors and window, with security and protective treatments, complete with framing and hardware for intended uses as required.

- D. Ceiling, Wall and Floor Finishes for interior and exterior applications; painting works, stonework, cladding and accentuations as required.
- E. Building and interior signage.
- F. Toilet compartment and accessories.
- G. Built-in millworks; Rostrum table and seats, Court branch public seats

1.2.3 Plumbing and Sanitary Works

Work included herein shall consist of furnishing all labor, tools, equipment, appliances, and materials necessary for complete installation, testing and operation of the plumbing and sanitary system composed of:

1. Soil, waste, vent piping and storm drainage system interconnecting the existing sanitary sewers and appurtenances.
2. Water distribution and supply pipes to the equipment, fixtures and hose bibs.
3. Plumbing fixtures, trims, and accessories.
4. Domestic pumps and accessories.
5. Septic Tank – Anaerobic Baffled Reactor
6. Rain Water Collection System
7. Any and all other works involved in providing the complete plumbing system in accordance with the requirements of all applicable laws of the Philippines and all codes and ordinances of the governing agency.

1.2.4 Mechanical Works

A. Fire Protection - Work included in this specification shall consist of, but not necessary limited to the following items:

1. Arrange for, obtain and bear the cost of necessary permits, bonds and for the automatic sprinkler work.
2. Furnish and install sprinkler system to the entire building as shown in the drawing. System to include all pipes, hanger, sway braces, sprinkler heads, control valves, drain valves, alarms, alarm bells, water flow switches and control valve monitor switches, sprinkler supervisory control panel, fire pump, jockey pump, drives and controllers and necessary accessories, fire hose cabinets and accessories, pressure relief valve and other valves.
3. Furnish and install fire department connections located where shown on the drawings.
4. Testing of all piping work and necessary cleaning of fire protection work.
5. Furnish shop drawings and certificates of inspection.
6. Cutting, patching and removing from the jobsites all rubbish and debris resulting from the fire protection work.
7. Fire extinguisher shall be furnished by the contractor based on the local Fire Department requirements as specified, i.e., fire extinguisher requirements at the different areas and floors.

B. Mechanical Works - Air conditioning and ventilating equipment including all related incidental items for the complete installation and operation of the air conditioning and ventilating system of the project above.

Variable Refrigerant Flow System (VRF)

1. Direct Expansion Type Air Conditioning System
2. Fans and Ventilation Equipment
3. Ductworks, Duct Materials, hangers and support.
4. Refrigerant Piping and Drain Piping.
5. Piping Identification and Insulation
6. Controls, Fire stopping and Dampers Controls
7. Testing, Adjusting and Balancing operations for mechanical system installation
8. Exhaust and Ventilating System shall be combination of ceiling cassette type and wall mounted industrial type propeller fan

1.2.5 Electrical Works

Electrical Scope of Work shall include but not limited to the following principal items:

- A. Test, supply and install low voltage switchgear, including all necessary intelligence unit and all interconnecting cables, cable support and connectors
- B. Furnish and install all civil work items related to the electrical installation including concrete pedestal, concrete encasement of conduits, hand holes, equipment pads, trench, metering equipment pedestal, etc.
- C. Test, supply and install brand new Standby Generator Set including all necessary accessories.
- D. Termination of all feeders at Low Voltage Switchgear inclusive of wires and cables and the necessary cable connectors.
- E. Furnish and install all power system feeders, branch circuits and equipment inclusive of all conduits, fittings, wirings and accessories and the termination of the same.
- F. Furnish and install all exterior and interior lighting and power wirings including conduits, boxes, gutters, fittings, wiring accessories, and terminations.
- G. Furnish and install all wiring devices as shown on the plans.
- H. Furnish and install lighting equipment, fixtures and power outlets, switches based on the requirements indicated in the specification and as shown on plans.
- I. Furnish and install all auxiliary equipment inclusive of all conduits, fittings, wirings and accessories and the termination of the same to complete the job.
- J. Furnish and install complete Grounding System as shown in the plans.
- K. Provide necessary civil and electrical requirements for transformer, concrete pedestal and conduits. Distribution Transformers and other HV equipment shall be by Contractor.
- L. Furnish and install panel boards, bus bars, disconnect switches and protective devices as shown on plans and drawings
- M. Provision of Lightning Arrester.
- N. Complete testing and commissioning of all supplied equipment and installed electrical system
- O. Application of electrical power service connections including preparation of all necessary plans, forms and related documents, payment of government fees and charges, and coordination with power company and other authorities or persons involved in the procedures.
- P. If anything has been omitted of any item of work, materials, usually furnished which are necessary for the completion of the electrical works as outline herein before, then such items must be and hereby included in this section of work.

1.2.6 Electronics and Communication Engineering Works

Electronics and communications system shall consist of the following provisions for the conduits, fittings, wirings, equipment and accessories of the auxiliary system complete:

- A. Building Management System
- B. Structured Cabling – Local Area Network
- C. Telephone, Auxiliary and CATV
- D. Public Address and Background Music
- E. CCTV and Security Surveillance System
- F. Fire Detection and Alarm system

Any item, material, labors not specifically included herein but are deemed necessary component for the execution of the works cited, such item must be included without additional time and cost component.

Section VII. Drawings

Please refer to this link to view all the drawings/plans:

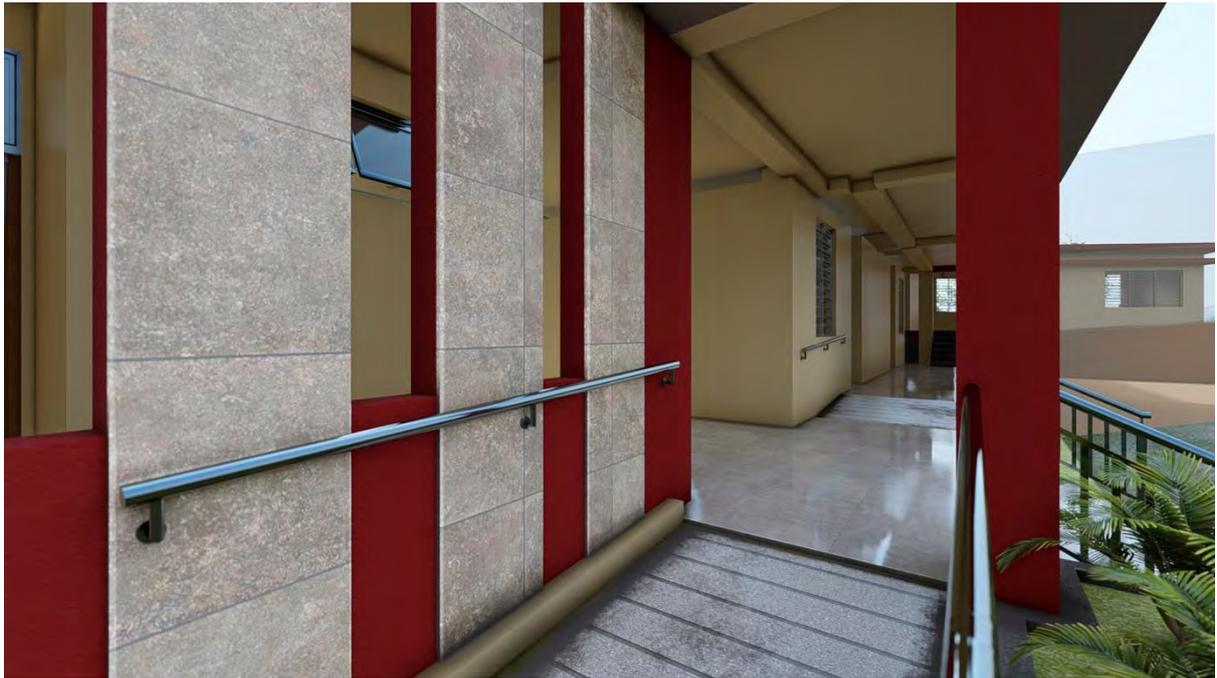
[https://drive.google.com/drive/folders/1xcU4K3DQe7VhKda-DRgpAAeBI0yOvTgJ?usp=drive link](https://drive.google.com/drive/folders/1xcU4K3DQe7VhKda-DRgpAAeBI0yOvTgJ?usp=drive_link)

Persepectives:











Section VIII. Bill of Quantities

*Please refer to attached details.

Project : PROPOSED 3 STOREY LADIES DORMITORY WITH ROOF DECK
 Location : Lahug Cebu City, Cebu Philippines 6000
 Owner : UP CEU
 Subject : BILL OF QUANTITIES
 CAPITAL OUTLAY FUNDING SOURCE UPISA REPROGRAMMED FUNDS 40,868,000.00 +
 ABC: 1,800,000.00 BY DONATION FROM ANGAT PINAS INC

Item No.	Description of Works	Bill of Quantities	ITEM INCLUDED AND SCOPE OF WORKS
1.0	GENERAL REQUIREMENTS		
1.1	Mobilization and Demobilization		
1.2	Permit and Fees (Building Permit, Electrical Permit, Mechanical Permit, Plumbing Permit, Demolition Permit, Specialized Permits)		
1.3	Insurances		
1.4	Temporary Facilities / Utilities		
1.5	Occupational Safety and Health (PPE & Safety Requirements)		
1.6	Provision of Steel Scaffoldings (Contractors Operations)		
1.7	Complete As Built Drawings		
1.8	Cleaning, Gutting and Hauling		
1.9	Construction Methodology		
2.0 STRUCTURAL WORKS			
2.1 EARTHWORKS			
2.1.1	Structural Excavation		
2.1.2	General Backfill		
2.1.3	Backfill and Compaction		
2.1.4	Soil Poisoning		
2.1.5	Others : The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount, 2.1			
2.2 CONCRETE WORKS			
2.2 Structural Concrete, Class A 28 Days			
2.2.1	Forming (3000 PSI)		
2.2.2	Forming Tie Beam (4000 PSI)		
2.2.3	Beams (4000 PSI)		
2.2.4	Columns (4000 PSI)		
2.2.5	Slabs on Grade (3000 PSI)		
2.2.6	Suspended Slabs (4000 PSI)		
2.2.7	Rampers (4000 PSI)		
2.2.8	Stairs (3000 PSI)		
2.2.9	Retention Wall (3000 PSI)		
2.2.10	Others : (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount, 2.2			
2.3 REBAR WORKS			

2.3.1	Footings		
	Grade 60		
2.3.2	Footings Tie Beam		
	Grade 60		
2.3.3	Columns		
	Grade 60		
2.3.4	Beams		
	Grade 60		
2.3.5	Slabs on Grade		
	Grade 60		
2.3.6	Support Slabs		
	Grade 60		
2.3.7	Beams		
	Grade 40		
2.3.8	Slabs		
	Grade 60		
2.3.9	Retaining Wall		
	Grade 60		
2.3.10	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount 2.3			
2.4	FORMWORKS		
2.4.1	Footings		
2.4.2	Footings Tie Beam		
2.4.3	Beams		
2.4.4	Columns		
2.4.5	Retaining Wall		
2.4.6	Suspended Slabs		
2.4.7	Slabs on Grade		
2.4.8	Slabs		
2.4.9	Slabs		
2.4.10	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount 2.4			
2.5	STEEL WORKS		
2.5.1	TRUSS		
2.5.1.1	2-1.65X5X4MM		
2.5.1.2	1.40X20X3MM		
2.5.2	PURLINS		
2.5.2.1	1-C125X65X20X2.0MM		
2.5.2.2	2-Ø 12 MM X 40 BOLTS W/ STD. NUTS & WASHERS		
2.5.3	SAGRODS		
2.5.3.1	Sarods 12 mm Ø		
2.5.4	Steel Works (Miscellaneous)		
2.5.4.1	1-50X20X6MM		
2.5.4.2	6MM THK STEEL BENT PLATE W/6MM THK STIFF PLATE		
2.5.4.3	300X200X12MM THK BASE PLATE		
2.5.4.4	4-Ø 18 A325 ANCHOR BOLTS W/ STD. NUTS & WASHERS		
2.5.6	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount 2.5			
2.6	TANKS		
2.6.1	Earthworks		
2.6.1.1	Structural Excavation		
2.6.1.2	Gravel Bedding		
2.6.1.3	Soil Positioning		
2.6.2	Concrete Works		
2.6.2.1	Cement & Reinforcing Tank		
2.6.2.2	Water Water Tank		

2.6.3	REINFORCEMENT		
2.6.3.1	Cistern & Rainwater Tank		
2.6.3.1.1	Grade 60		
2.6.3.2	Waste Water Tank		
2.6.3.2.1	Grade 60		
2.6.4	Ferrous		
2.6.4.1	Waste Water Tank		
2.6.4.2	Waste Water Tank		
2.6.5	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
	Sub-total Amount, 2.7		
3.0	ARCHITECTURAL WORKS		
3.1	MASONRY WORKS		
3.1.1	150 mm THK CHB Wall		
3.1.2	125 mm THK CHB Wall		
3.1.3	25mm thk. Plastering		
3.1.2	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
	Sub-total Amount, 3.1		
3.2	METALS		
3.2.1	Steel Pipe		
3.2.1.1	50mm Ø S.S Pipe Railing		
3.2.1.2	25mm Ø S.S Pipe Railing		
3.2.1.3	10mm Ø G.L. Pipe		
3.2.1.4	2mm Metalplate Roofing		
3.2.2	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
	Sub-total Amount, 3.2		
3.3	THERMAL AND MOISTURE PROTECTION		
3.3.1	Waterproofing		
3.3.1.1	WP - 01 CEMENTITIOUS WATERPROOFING		
3.3.1.2	WP - 02 HIGH PERFORMANCE SYNTHETIC RUBBER-BASED MEMBRANE TYPE LIQUID WATERPROOFING		
3.3.2	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
	Sub-total Amount, 3.3		
3.4	OPENINGS		
3.4.1	Doors (including Jambas & Finish Hardware)		
3.4.1.1	D-1 1M X 2.8M 50MM THK. SINGLE LEAF WOOD DOOR W/ COMPLETE HARDWARE & ACCESSORIES W/ 10MM THK. FIXED TEMPERED GLASS WINDOW ON POWDER COATED ALUMINIUM FRAME		
3.4.1.2	D-2 0.9M X 2.8M 50MM THK. SINGLE LEAF WOOD DOOR W/ COMPLETE HARDWARE & ACCESSORIES W/ 10MM THK. TEMPERED FIXED CLEAR GLASS WINDOW ON POWDER COATED ALUMINIUM FRAME		
3.4.1.3	D-3 1M X 2.15M 50MM THK STEEL DOOR AND JAMB WITH 130 HRS FIRE-RATING. STEEL PAINT FINISH, WITH SELF-CLOSING MECHANISM.		

3.4.1.4	D-4. 0.9M X 2.19M 60MM THK SINGLE LEAF HOLLOW METAL DOOR W/ LOUVERS AND FACTORY APPLIED RUST-INHIBITING PRIMER W/ LEVER TYPE LOCKSET, AND ACCESSORIES.	
3.4.1.5	D-5. 1M X 2.19M 50MM THK STEEL DOOR AND JAMB WITH 1.50 HRS FIRE-RATING, STEEL PAINT FINISH, WITH SELF-CLOSING MECHANISM.	
3.4.1.6	D-6. 1M X 2.6M 50MM THK SINGLE LEAF WOOD DOOR W/ STAINLESS STEEL KICKPLATE & COMPLETE HARDWARE & ACCESSORIES W/ 10MM THK TEMPERED FIXED CLEAR GLASS WINDOW ON POWDER COATED ALUMINUM FRAME	
3.4.1.7	D-7. 0.6M X 2.6M 60MM THK SINGLE LEAF PANEL DOOR W/ COMPLETE HARDWARE & ACCESSORIES ON POWDER COATED ALUMINUM FRAME	
3.4.2 Windows (Including Finish Hardware)		
3.4.2.1	W-1. 1.2M X 1.7M 100MM WIDE X 6MM THK CLEAR GLASS JALOUSIE WINDOW ON POWDER COATED ALUMINUM FRAME (VERIFY SUPPLIER FOR SIZES, CONTROL AND SETTING OUT REQT. TO ARCHT AND CLIENT APPROVAL.)	
3.4.2.2	W-2. 2.4M X 1.7M 100MM WIDE X 6MM THK CLEAR GLASS JALOUSIE WINDOW ON POWDER COATED ALUMINUM FRAME (VERIFY SUPPLIER FOR SIZES, CONTROL AND SETTING OUT REQT. TO ARCHT AND CLIENT APPROVAL.)	
3.4.2.3	W-3. 6M X 2.28M 100MM WIDE X 6MM THK CLEAR GLASS JALOUSIE WINDOW ON POWDER COATED ALUMINUM FRAME (VERIFY SUPPLIER FOR SIZES, CONTROL AND SETTING OUT REQT. TO ARCHT AND CLIENT APPROVAL.)	
3.4.2.4	W-4. 2.9M X 1.7M 100MM WIDE X 6MM THK CLEAR GLASS JALOUSIE WINDOW ON POWDER COATED ALUMINUM FRAME (VERIFY SUPPLIER FOR SIZES, CONTROL AND SETTING OUT REQT. TO ARCHT AND CLIENT APPROVAL.)	
3.4.2.5	W-5. 1.2M X 0.5M 10MM THK AWNING CLEAR TEMPERED GLASS WINDOW ON POWDER COATED ALUMINUM FRAME (VERIFY SUPPLIER FOR SPECS)	
3.4.2.6	W-6. 1.6M X 0.6M STEEL LOUVER WINDOW W/ RUST INHIBITING PRIMER (VERIFY SUPPLIER FOR SPECS)	
3.4.2.7	W-7. 2M X 1.6M STEEL LOUVER WINDOW W/ RUST INHIBITING PRIMER (VERIFY SUPPLIER FOR SPECS)	
3.4.2.8	W-8A. 3M X 2.992M 12MM THK, FIXED W/ AWNING CLEAR TEMPERED GLASS WINDOW ON POWDER COATED ALUMINUM FRAME. (VERIFY SUPPLIER FOR SPECS)	
3.4.2.9	W-8B. 3M X 2.501M 12MM THK, FIXED W/ AWNING CLEAR TEMPERED GLASS WINDOW ON POWDER COATED ALUMINUM FRAME. (VERIFY SUPPLIER FOR SPECS)	
3.4.2.10	W-9A. 1.15M X 2.992M 12MM THK, FIXED CLEAR TEMPERED GLASS WINDOW ON POWDER COATED ALUMINUM FRAME. (VERIFY SUPPLIER FOR SPECS)	
3.4.2.11	W-9B. 1.15M X 2.501M 12MM THK, FIXED CLEAR TEMPERED GLASS WINDOW ON POWDER COATED ALUMINUM FRAME. (VERIFY SUPPLIER FOR SPECS)	
3.4.2.12	W-10. 1.8M X 0.5M 10MM THK AWNING CLEAR TEMPERED GLASS WINDOW ON POWDER COATED ALUMINUM FRAME. (VERIFY SUPPLIER FOR SPECS)	
3.4.2.13	W-11. 1.15M X 0.6M STEEL LOUVER WINDOW W/ RUST INHIBITING PRIMER (VERIFY SUPPLIER FOR SPECS)	
3.3.2	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount: 3.4		
3.5 FINISHES		
3.5.1	Ceiling Finishes	
3.5.1.1	EXP-01 CONCRETE SLAB SOFFIT STRAIGHT TO FINISH; LATEX PAINT FINISH	

3.5.1.2	CF - 01 12MM THK. GYPSUM BOARD ON METAL FRAMING SYSTEM FLAT WALL ENAMEL PAINT		
3.5.1.3	CF - 02 12MM THK. MOISTURE RESISTANT GYPSUM BOARD ON METAL FRAMING SYSTEM FLAT WALL ENAMEL PAINT		
3.5.1.4	CF - 03 12MM THK. FIBER BOARD ON METAL FRAMING SYSTEM FLAT WALL ENAMEL PAINT		
3.5.2	Wall Finishes		
3.5.2.1	WF - 01 SEMI-GLOSS ACRYLIC LATEX PAINT OVER PRIMER (EXTERIOR)		
3.5.2.2	WF - 02 SEMI-GLOSS ACRYLIC LATEX PAINT OVER PRIMER (INTERIOR)		
3.5.2.3	WF - 03 300MM X 600MM CERAMIC TILES		
3.5.3	Floor Finishes		
3.5.3.1	FF - 01 BRUSHED CONCRETE		
3.5.3.2	FF - 02 POLISHED CONCRETE		
3.5.3.3	FF - 03 300MM X 300MM NON-SKID CERAMIC TILES		
3.5.3.4	FF - 04 600MM X 600MM HOMOGENEOUS PORCELAIN TILES		
3.5.3.5	FF - 05 1200MM X 300 NON-SKID CERAMIC TILES		
3.5.4	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount, 3.5			
3.6	SPECIALTIES		
3.6.1	Toilet Accessories		
3.6.1.1	Water Closet		
3.6.1.2	Toilet Lavatory 1		
3.6.1.3	Toilet Lavatory 2		
3.6.1.4	Shower Partition		
3.6.1.5	Water Closet Partition		
3.6.1.6	Grab Bar		
3.6.1.7	Mirror		
3.6.1.8	Kitchen Accessories		
3.6.2	Kitchen Sink		
3.6.2.1	Painter Cabinet		
3.6.2.2			
3.6.3	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-total Amount, 3.6			
4.0	PLUMBING WORKS		
4.1	WATERLINE SYSTEM		
4.1.1	PPR Pipe, PN-20, 4m Length		
4.1.1.1	65 mm Ø		
4.1.1.2	50 mm Ø		
4.1.1.3	40 mm Ø		
4.1.1.4	32 mm Ø		
4.1.1.5	25 mm Ø		
4.1.1.6	20 mm Ø		
4.1.2	Pipe Connectors, Fittings and Accessories		
4.1.3	Hammer Bracket / Support / Concrete Saddle		
4.1.4	Valves / Water Control & Accessories		
4.1.5	Gate Valve		
4.1.5.1	65 mm Ø		
4.1.5.2	50 mm Ø		
4.1.5.3	40 mm Ø		
4.1.5.4	25 mm Ø		
4.1.5.5	20 mm Ø		
4.1.6	Check Valve		
4.1.6.1	50 mm Ø		
4.1.7	Float Control Valve		
4.1.7.1	40 mm Ø		

4.1.8	Hexe Bib	
4.1.8.1	50 mm Ø	
4.1.9	Water Meter	
4.1.9.1	50 mm Ø	
4.1.10	Water Hammer Arrestor (WHA)	
4.1.10.1	20 mm Ø	
4.1.10.2	25 mm Ø	
4.1.10.3	40 mm Ø	
4.1.10.4	50 mm Ø	
4.1.11	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount, 4.1		
<hr/>		
4.2	SEWER AND VENT SYSTEM	
<hr/>		
4.2.1	PVC Pipe, Series 1000, 3m Length	
4.2.1.1	200 mm Ø	
4.2.1.2	150 mm Ø	
4.2.1.3	100 mm Ø	
4.2.1.4	75 mm Ø	
4.2.1.5	50 mm Ø	
4.2.2	Floor Clean-out (Brass)	
4.2.2.1	150 mm Ø	
4.2.2.2	120 mm Ø	
4.2.2.3	75 mm Ø	
4.2.3	Stainless Steel 304 Grease Trap	
4.2.3.1	10 GPM	
4.2.4	Pipe Connectors, Fittings and Accessories	
4.2.5	Hanger / Bracket / Support / Concrete Saddle	
4.2.5	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount, 4.2		
<hr/>		
4.3	STORM DRAINAGE SYSTEM	
<hr/>		
4.3.1	uPVC Pipe, Class 150, 6m Length	
4.3.1.1	250 mm Ø	
4.3.1.2	200 mm Ø	
4.3.1.3	150 mm Ø	
4.3.1.4	100 mm Ø	
4.3.1.5	75 mm Ø	
4.3.2	uPVC Pipe, Class 150, 6m Length, ACU DRAIN (PVC BLUE)	
4.3.2.1	32 mm Ø	
4.3.2.2	25 mm Ø	
4.3.2.3	20 mm Ø	
4.3.2.4	150 mm Ø	
4.3.2.5	75 mm Ø	
4.3.3	Road Drain, Floor Drainatic.	
4.3.3.1	100mm Ø Marina Roof Drain	
4.3.3.2	75mm Ø Deck Drain / Tank Drain	
4.3.3.3	100mm Ø Floor Drain	
4.3.3.4	150mm Ø Floor Drain	
4.3.4	Pipe Connectors, Fittings and Accessories	
4.3.5	Hanger / Bracket / Support / Concrete Saddle	
4.3.6	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	

		Sub-total Amount, 4.3
4.4 PLUMBING APPLIANCE - PUMPS, TANKS AND HEATERS		
4.4	Pumps	
4.4.1	Portable Duplex Type Booster Pump - Vertical-In-Line	
4.4.1.1	Vertical multi-stage centrifugal booster pump, complete with pump motor, booster pump control wires & VFD, Run alternating 1 Duty & 1 Standby	
	Capacity: 64 GPM X 132 TDH FT X 3.5 HP X 3 PH X 60HZ	
	Location: At Rest Deck Pump Room	
4.4.1.2	Non-Booster Duplex Type Booster Pump - Vertical-In-Line	
	Vertical multi-stage centrifugal booster pump, complete with pump motor, booster pump control wires, VFD & add accessories. Shall serve transferring potable water from stern to overhead water tank. Run alternating 1 Duty & 1 Standby.	
	Capacity: 73 GPM X 183 TDH FT X 7.5 HP X 3 PH X 60HZ	
	Location: At Ground Floor Pump Room	
4.4.1.3	Duplex Type Transfer Pump - Vertical-In-Line	
	Vertical multi-stage centrifugal booster pump, complete with pump motor, booster pump control wires & VFD	
4.4.2	Tanks	
4.4.2.1	Pressurized Cylindrical Potable Water Bladder Tank	
	Capacity: 60 Gallons	
4.4.2.2	Pressurized Cylindrical Non-Potable Water Bladder Tank	
	Capacity: 85 Gallons	
4.4.3	Catch Basin	
4.4.4	Area Drain	
4.4.5	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
5.0 ELECTRICAL WORKS		Sub-total Amount, 4.4
5.1 PANELBOARDS AND EGCS		
5.1.1	Panel: MDP in NEMA 1 - FREE STANDING	
	Main: 1450AT, 600AF, 3Phase, 230V, 36 KVA, MCCB	
	Branches: 1450AT, 600AF, 3P, 230V, 36 KVA, MCCB	
	1-450AT, 600AF, 3P, 230V, 36 KVA, MCCB	
	1-355AT, 400AF, 3P, 230V, 36 KVA, MCCB	
	1-125AT, 225AF, 3P, 230V, 18 KVA, MCCB	
	4-20AT, 100AF, 3P, 230V, 18 KVA, MCCB (SPARE)	
5.1.2	Panel: DPGF in NEMA 1 - Wall Surface Mounted	
	Main: 1335AT, 400AF, 3Phase, 230V, 36 KVA, MCCB	
	Branches: 1250AT, 400AF, 3P, 230V, 18 KVA, MCCB	
	1-125AT, 225AF, 3P, 230V, 18 KVA, MCCB	
	1-40AT, 20AF, 3P, 230V, 18 KVA, MCCB	
	1-50AT, 50AF, 3P, 230V, 18 KVA, MCCB	
	3-40AT, 50AF, 3P, 230V, 18 KVA, MCCB	
	1-50AT, 50AF, 3P, 230V, 18 KVA, MCCB (SPARE)	
	1-20AT, 50AF, 3P, 230V, 18 KVA, MCCB (SPARE)	
5.1.3	Panel: DPZF in NEMA 1 - Wall Surface Mounted	
	Main: 1450AT, 600AF, 3Phase, 230V, 36 KVA, MCCB	
	Branches: 1250AT, 400AF, 3P, 230V, 18 KVA, MCCB	
	2-125AT, 225AF, 3P, 230V, 18 KVA, MCCB	
	2-250AT, 400AF, 3P, 230V, 18 KVA, MCCB (SPARE)	
	2-350AT, 500AF, 3P, 230V, 18 KVA, MCCB (SPARE)	
5.1.4	Panel: DPZF in NEMA 1 - Wall Surface Mounted	
	Main: 1500AT, 600AF, 3Phase, 230V, 36 KVA, MCCB	
	Branches: 1250AT, 400AF, 3P, 230V, 18 KVA, MCCB	
	2-125AT, 225AF, 3P, 230V, 18 KVA, MCCB	
	1-250AT, 400AF, 3P, 230V, 18 KVA, MCCB (SPARE)	
	1-350AT, 500AF, 3P, 230V, 18 KVA, MCCB (SPARE)	

5.1.17	Panel: PPM-GF in NEMA 1 - Wall Surface Mounted Main: 1-100AT, 100AF, 3-Phase, 230V, 10 KAIC, MCCB Branches: 1-80AT, 100AF, 3P, 230V, 10 KAIC, MCB 1-40AT, 100AF, 3P, 230V, 10 KAIC, MCB (SPARE) 2-20AT, 50AF, 3P, 230V, 10 KAIC, MCB (SPARE)	
5.1.18	Panel: PPM-3F in NEMA 1 - Wall Surface Mounted Main: 1-150AT, 225AF, 3-Phase, 230V, 18 KAIC, MCCB Branches: 1-80AT, 100AF, 2P, 230V, 10 KAIC, MCB 3-20AT, 50AF, 3P, 230V, 10 KAIC, MCB (SPARE)	
5.1.19	Panel: LPPAD-A in NEMA 1 - Wall Surface Mounted Main: 1-50AT, 50AF, 3-Phase, 230V, 18 KAIC, MCCB Branches: 1-40AT, 50AF, 2P, 230V, 10 KAIC, MCB 1-230AT, 50AF, 2P, 230V, 10 KAIC, MCB 5-20AT, 50AF, 2P, 230V, 10 KAIC, MCB (SPARE)	
5.1.20	Panel: FPP in NEMA 4X - Wall Surface Mounted Main: 1-300AT, 400AF, 3-Phase, 230V, 38 KAIC, MCCB Branches: 1-200AT, 225AF, 3P, 230V, 18 KAIC, MCCB 1-40AT, 100AF, 3P, 230V, 18 KAIC, MCCB	
5.1.21	Enclosed Circuit Breaker	
5.1.21.1	ECB, 200AT, 3P, 230V in NEMA 3R	
5.1.21.2	ECB, 80AT, 2P, 230V in NEMA 3R	
5.1.21.3	ECB, 20AT, 2P, 230V in NEMA 3R	
5.1.21.4	ECB, 40AT, 2P, 230V in NEMA 3R	
5.1.21.5	ECB, 30AT, 2P, 230V in NEMA 3R	
5.1.22	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount, 5.3		
5.2 LOW VOLTAGE CABLES		
5.2.1	Parallel wires	
5.2.1.1	55mm ² THHN/THWN-2 (Phase/line)	
5.2.1.2	200mm ² THHN/THWN-2 (Phase/line)	
5.2.1.3	125mm ² THHN/THWN-2 (Phase/line)	
5.2.1.4	100mm ² THHN/THWN-2 (Phase/line)	
5.2.1.5	80mm ² THHN/THWN-2 (Phase/line)	
5.2.1.6	50mm ² THHN/THWN-2 (Phase/line)	
5.2.1.7	38mm ² THHN/THWN-2 (Phase/line)	
5.2.1.8	30mm ² THHN/THWN-2 (Phase/line)	
5.2.1.9	8.0mm ² THHN/THWN-2 (Phase/line)	
5.2.1.10	5.5mm ² THHN/THWN-2 (Phase/line)	
5.2.1.11	3.5mm ² THHN/THWN-2 (Phase/line)	
5.2.2	Grounding wires	
5.2.2.1	125mm ² THHN/THWN-2 (Phase/line)	
5.2.2.2	30mm ² THHN/THWN-2 (Grounding)	
5.2.2.3	22mm ² THHN/THWN-2 (Grounding)	
5.2.2.4	14mm ² THHN/THWN-2 (Grounding)	
5.2.2.5	8.0mm ² THHN/THWN-2 (Grounding)	
5.2.2.6	5.5mm ² THHN/THWN-2 (Grounding)	
5.2.2.7	3.5mm ² THHN/THWN-2 (Grounding)	
5.2.3	Fire Rated Cable	
5.2.3.1	8mm ² THHN/THWN-2 (FRC)	
5.2.3.2	6mm ² THHN/THWN-2 (FRC)	
5.2.3.3	5.5mm ² THHN/THWN-2 (FRC)	
5.2.3.4	Grounding (FRC)	
5.2.3.5	14mm ² THHN/THWN-2 (FRC)	
5.2.3.6	5.5mm ² THHN/THWN-2 (FRC)	
5.2.4	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount, 5.2		

5.3 RACEWAY and BOXES		
5.3.1	Conduit	
5.3.2	8mm Ø ENT	
5.3.12	8mm Ø ENT	
5.3.13	10mm Ø PVC	
5.3.14	50mm Ø PVC	
5.3.15	25mm Ø PVC	
5.3.16	20mm Ø PVC	
5.3.16	Boxes	
5.3.17	Utility Box	
5.3.18	Junction Box	
5.3.17	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount, 5.3		
5.4 WIRING DEVICES		
5.4.1	Duplex Convenience Outlet Grounding Type, 16A, 230V	
5.4.2	Special Outlet (Water Heater)	
5.4.3	Special Outlet (Range Hood)	
5.4.4	ONE GANG, 1-WAY, 16A, 230V	
5.4.5	ONE GANG, 1-WAY, 16A, 230V	
5.4.6	ONE GANG, 3-WAY, 16A, 230V	
5.4.7	THREE GANG, 3-WAY, 16A, 230V	
5.4.8	GROUNDING and BONDING ELECTRICAL SYSTEM	
	Supply and installation of Grounding and bonding electrical system system complete with supports, consumables and all necessary accessories	
5.4.8	ELECTRICITY METERING	
5.4.8.1	kwhr meter, 250 A1, 3P	
5.4.8.2	kwhr meter, 100 A1, 3P	
5.4.8.3	kwhr meter, 100 A1, 3P	
5.4.8.4	kwhr meter, 125 A1, 3P	
5.4.8.5	kwhr meter, 100 A1, 3P	
5.4.8.6	kwhr meter, 50 A1, 3P	
5.4.8.7	kwhr meter, 40 A1, 3P	
5.4.8.8	kwhr meter, 30 A1, 3P	
5.4.8.9	kwhr meter, 20 A1, 3P	
5.4.9	FACILITIES LIGHTING PROTECTION	
	Supply and installation of lightning protection system complete with mounting poles, supports, consumables and all necessary accessories	
5.4.10	Lighting Devices	
5.4.10.1	1200MM BATTEN-TYPE LED DAYLIGHT	
5.4.10.2	150MMØ LED DOWNLIGHT COOL WHITE, SURFACE MOUNTED TYPE	
5.4.10.3	150MMØ LED DOWNLIGHT WARM WHITE, RECESSED MOUNTED TYPE	
5.4.10.4	150MMØ LED DOWNLIGHT COOL WHITE, RECESSED MOUNTED TYPE	
5.4.10.5	1200MM BATTEN-TYPE LED COOL WHITE, WALL MOUNTED	
5.4.10.6	EMERGENCY LIGHTS	
5.4.10.7	EXIT LIGHT	
5.4.11	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-total Amount, 5.4		

5.5	MISCELLANEOUS		
5.5.1	Miscellaneous Hangers and Supports (Steel Rods, Expansion Bolts, C-Strut Channels, Conduit Straps, and other necessary items to support installations of panel boards, ECB's, conduit runs and wiring hardware and Consumables/Electrical, Cutting Discs, Drill Bits, Electrical Tapes and other necessary items to be consumed to assure correct installations of panel boards, ECB, conduit runs and wiring devices) Testing and Commissioning of Equipment and Devices		
5.5.2	Civil Works Concrete Pedestal		
5.5.3	Concrete Embedment 4R 100mm PVC		
5.5.4	Hardware		
5.5.5	ATS - 1000AT 3P, 230V		
5.5.6	GENSET - 175kW/220kVA, 3P, 230V, OPEN TYPE		
5.5.7	SOLAR POWER SYSTEM Provision of Solar Power System complete with mounting, supports, consumables and all necessary accessories		
5.5.8	Others: (The Contractor is to include any other items not mentioned but necessary to complete the works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, 5.5			
6.0	MECHANICAL WORKS		
AIR CONDITIONING EQUIPMENT			
6.1	SPLIT TYPE AIRCON - INVERTER		
6.1.1	ACCU-GE-1/FCU-GE-1 - Executive Rooms 1, 2 & 3 Fan Coil units - (3.5 KW) Cooling Capacity; Inverter Type-R32 (Wall Mounted Type units) (9.85 kw, 230V, 1Ph, 60Hz) Electrical Capacity Executive Room 1 (1) Executive Room 2 (1) Executive Room 3 (1)		
6.1.1.2	ACCU-GE-2/FCU-GE-2 - Highschool Dorm Fan Coil units - (6.0 KW) Cooling Capacity; Inverter Type-R32 (Wall Mounted Type units) (1.74 kw, 230V, 1Ph, 60Hz) Electrical Capacity		
6.1.1.3	ACCU-GE-1/FCU-GE-1 - Colleen Dorm Fan Coil units - (5.2 KW) Cooling Capacity; Inverter Type-R32 (Wall Mounted Type units) (1.4 kw, 230V, 1Ph, 60Hz) Electrical Capacity		
6.1.1.4	ACCU-GE-1/FCU-GE-1 - Colleen Dorm Fan Coil units - (5.2 KW) Cooling Capacity; Inverter Type-R32 (Wall Mounted Type units) (1.4 kw, 230V, 1Ph, 60Hz) Electrical Capacity		
6.1.2	Others: (The Contractor is to include any other items not mentioned but necessary to complete the works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, Item 6.1			

6.2 VENTILATION EQUIPMENT		
6.2.1	TOILET EXHAUST FAN	
6.2.1.1	TEF GF-1 - PWD T & B 171.7 CMH x 0.5 in of W.G. TSP Toilet Exhaust Fan (Ceiling Mounted with exhaust pipe to vent screen) (18.2w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.1.2	TEF GF-2 - PWD T & B 175 CMH x 0.725 in of W.G. TSP Toilet Exhaust Fan (Wall Mounted) (9w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.1.3	TEF GF-3 - Common T & B 726 CMH, 1.0 inches s.p. Toilet Exhaust Fan (In-line centrifugal duct ventilating fan) (121w, 230V, 1ph,60Hz, 0.5 HP motor	
6.2.1.4	TEF PF-1 - Common T & B 726 CMH, 1.0 inches s.p. Toilet Exhaust Fan (In-line centrifugal duct ventilating fan) (121w, 230V, 1ph,60Hz, 0.5 HP motor	
6.2.1.5	TEF PF-2 - Common T & B 667 CMH, 1.0 inches s.p. Toilet Exhaust Fan (In-line centrifugal duct ventilating fan) (176w, 230V, 1ph,60Hz, 0.5 HP motor	
6.2.1.6	TEF PF-1 - Common T & B 726 CMH, 1.0 inches s.p. Toilet Exhaust Fan (In-line centrifugal duct ventilating fan) (121w, 230V, 1ph,60Hz, 0.5 HP motor	
6.2.1.7	TEF PF-2 - Common T & B 667 CMH, 1.0 inches s.p. Toilet Exhaust Fan (In-line centrifugal duct ventilating fan) (176w, 230V, 1ph,60Hz, 0.5 HP motor	
6.2.2	EXHAUST FAN	
6.2.2.1	EF GF-1 - EE Room 171.7 CMH x 0.5 in of W.G. TSP Toilet Exhaust Fan (Ceiling Mounted with exhaust pipe to vent screen) (18.2w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.2.2	EF GF-2 - Pump Room, Laundry Area 175 CMH x 0.725 in of W.G. TSP Toilet Exhaust Fan (Wall Mounted) (9w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.2.3	EF PE-1 - EE Room 175 CMH x 0.725 in of W.G. TSP Toilet Exhaust Fan (Wall Mounted) (9w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.2.4	EF PE-1 - EE Room 175 CMH x 0.725 in of W.G. TSP Toilet Exhaust Fan (Wall Mounted) (9w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.2.5	RP-1 - Pump Room 150 CMH x 0.725 in of W.G. TSP Toilet Exhaust Fan (Wall Mounted) (6.2w, 230V, 1Ph, 60Hz) Electrical Capacity	
6.2.3	RANGE HOOD	
6.2.3.1	RH GF-1 - Kitchen 464 to 778 CMH, 230V, 1Ph, 60Hz, 0.13 KW) Electrical Capacity	
6.2.4	Others: (The Contractor is to include any other items not mentioned but necessary to complete the works shown on the Plan and accomplish the intended objectives)	
Sub-Total Amount, Item 6.2		

6.3 AIR CONDITIONING REFRIGERANT PIPING WORKS		
6.3.1	Consumable Materials	
	Copper Pipes - Hard Drawn Type L, Schedule 40, Seamless	
	12.7 mm (1/2") Ø	
	9.5 mm (3/8") Ø	
	6.35 mm (1/4") Ø	
	Class 1 Cell Elastomeric (CCE) Rubber Insulation - Class 1 x 3/4" thick	
	9.5 mm (3/8") Ø	
	6.35 mm (1/4") Ø	
6.3.2	Copper Fittings and Miscellaneous	
	Brazing Equipment	
6.3.3	Pipe Hanger & Support	
6.3.4	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-Total Amount, Item 6.3		
6.4 VENTILATION DUCT WORKS		
6.4.1	PVC Pipe, Series 600, 3m Length	
6.4.1.1	150 mm Ø	
6.4.2	Aluminum Vent Cap, with hood and insect screen, oven baked enamel paint finish	
6.4.2.1	150 mm Ø	
6.4.3	Duct Works	
6.4.3.1	G1 Sheet, Ga. #24	
6.4.4	Extras for bends, offsets and other fittings	
6.4.5	Consumable Materials	
	Duct Accessories, Duct Hangers / Supports	
6.4.6	Others:	
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-Total Amount, Item 6.4		
7.0 FIRE PROTECTION WORKS		
7.1 VALVES AND OTHER RELATED MATERIALS		
7.1.1	80 mm Ø (2-way) x 85 mm Ø Fire Pump Test Connection	
	80 mm Ø (2-way) x 85 mm Ø Fire Department Connection	
7.1.2	Fire Extinguisher	
7.1.2.1	10 lbs. ABC Dry Chemical Fire Extinguisher, Wall Mounted	
7.1.2.2	10 lbs. HFC-C Fire Extinguisher, Wall Mounted	
7.1.3	100 mm Ø x 65 mm Ø Fire Hose Valve	
7.1.4	Sprinkler Head	
	Pendent Sprinkler, 1/2" NPT, 155F, 5.6 K Factor, with Escutcheon plate	
7.1.5	Flushing Valve	
7.1.5.1	40 mm Ø	
7.1.6	B.L. Pipe Sch. 40 x 6 m Length	
7.1.6.1	40 mm Ø	
7.1.6.2	40 mm Ø	
7.1.6.3	40 mm Ø	
7.1.6.4	56 mm Ø	

7.1.7	Floor Control Valve Assembly		
7.1.7.1	50 mm Ø		
7.1.8	B.I. Fittings		
7.1.9	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, Item 7.1			
7.2	FIRE PUMP EQUIPMENT & FIRE RESERVE TANK		
7.2.1	Fire Pump, FP1 End Suction Type, (Electric), UL Listed & FM Approved, complete with standard accessories 100 GPM Capacity x 140 ft. TDH 2950 RPM, 7.5 HP 230 Volts, 3-Ø (Three Phase), 60 Hz		
7.2.2	Jockey Pump, JP1 Vertical Multi Stage (Electric), UL Listed & FM Approved complete with standard accessories 15 GPM Capacity x 166 ft. TDH 3500 RPM, 1.5 HP 230 Volts, 3-Ø (Three Phase), 60 Hz		
7.2.3	Fire Reserve Tank 300 Gallon Capacity (11.5 cu.m.) 600 mm x 600 mm Access Manhole for Fire Tank with Ladder Rung		
	Miscellaneous and Consumables		
	Fire Pump Performance Testing		
7.2.4	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
7.2.5	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, Item 7.2			
7.3	VALVES AND OTHER RELATED MATERIALS (PUMP ROOM)		
7.3.1	OS&Y Gate Valve OS&Y Gate Valve, 2" Ø (50 mm) Tamper Switch for OS&Y Gate Valve		
7.3.2	Pressure Relief Valve, 2" Ø (50 mm)		
7.3.3	Pressure Gauge Pressure Gauge, 2" Ø (50 mm)		
7.3.4	Check Valve Check Valve, 2" Ø (50 mm)		
7.3.5	Flexible Connection Flexible Connection, 2" Ø (50 mm)		
7.3.6	Flow Meter, 2" Ø (50 mm)		
7.3.7	Wye Strainer Wye Strainer, 2" Ø (50 mm)		

7.3.8	Alarm Check Valve Riser Alarm Check Valve Assembly, 2" Ø (50 mm) complete with standard accessories and trimmings OS&Y Gate Valve, 2" Ø (50 mm) Tamper Switch for 2" Ø (50 mm) OS&Y Gate Valve	
7.3.9	B1, Pipe Sch. 40 x 6 m Length	
7.3.9.1	50 mm Ø	
7.3.10	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-Total Amount, Item 7.3		
8.0 COMMUNICATION WORKS		
8.1 TELEPHONE and LAN SYSTEM		
8.1	Raceway and Boxes	
8.1.1	Conduits	
8.1.1.1	50mm diameter IMC Pipe	
8.1.1.1.1	50mm diameter IMC Pipe	
8.1.1.1.2	20mm diameter PVC Pipe	
8.1.1.2	Utility box	
8.1.1.3	Pullbox (Type and size as required)	
8.1.1.4	Wires and Cables	
8.1.1.4.1	Cat6 UTP cable	
8.1.1.5	Boxes and Equipment	
8.1.1.5.1	4U+ including network equipment	
8.1.1.5.2	Telephone Data Outlet, Wall Mounted	
8.1.1.5.3	Web Access Point	
8.1.1.6	Grounding and Bonding	
	Provisional cost for supply and installation of required grounding system complete with all accessories	
8.1.1.7	Testing and Commissioning	
	Supply of labor, consumables and necessary testing equipment needed to complete the above work in accordance with the testing procedure required by the Designer, Owner and the Project Manager	
8.1.2	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)	
Sub-Total Amount, Item 8.1		
8.2 PUBLIC ADDRESS and BGM System		
8.2.1	Raceway and Boxes	
8.2.1.1	32mm diameter PVC Pipe	
8.2.1.2	32mm diameter PVC Pipe	
8.2.1.3	15mm flexible metal conduit	
8.2.1.4	15mm flexible connector	
8.2.1.5	Junction box	
8.2.1.6	Pullbox (Type and size as required)	
8.2.2	Wires and Cables	
8.2.2.1	#16 AWG TF-shielded twisted pair	
8.2.3	Boxes and Equipment	
8.2.3.1	16 address 8 background music panel	
8.2.3.2	Call number speaker	
8.2.3.3	Microphone	

8.2.4	Testing and Commissioning Supply of labor, consumables and necessary testing equipment needed to complete the above work in accordance with the testing procedure required by the Designer, Owner and the Project Manager		
8.2.5	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, Item 8.2			
9.0 ELECTRONIC SAFETY AND SECURITY SYSTEM			
9.1 FIRE DETECTION ALARM S SYSTEM			
9.1.1 Raceway and Boxes			
9.1.1.1	20mm diameter PVC Pipe		
9.1.1.2	19mm flexible metal conduit		
9.1.1.3	19mm Flexible connector		
9.1.1.4	Pullbox (Type and size as required)		
9.1.1.5	Junction box		
9.1.2 Wires and Cables			
9.1.2.1	#16 AWG T/E shielded twisted pair		
9.1.3 Device and Equipment			
9.1.3.1	FACP		
9.1.3.2	Addressable Smoke Detector		
9.1.3.3	Manual Pull Station		
9.1.3.4	Horn Strobe		
9.1.3.5	FDAS Annunciator		
9.1.3.6	Lamp Switch		
9.1.3.8	Fire's mains telephone jack		
9.1.4 Testing and Commissioning			
Supply of labor, consumables and necessary testing equipment needed to complete the above work in accordance with the testing procedure required by the Designer, Owner and the Project Manager			
9.1.5	Others: (The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, Item 9.1			
9.2 CCTV SYSTEM			
9.2.1 Raceway and Boxes			
9.2.1.1	32mm diameter PVC Pipe		
9.2.1.2	20mm diameter PVC Pipe		
9.2.1.3	19mm flexible metal conduit		
9.2.1.4	19mm Flexible connector		
9.2.1.5	Pullbox		
9.2.1.6	Junction box		
9.2.2 Wires and Cables			
9.2.2.1	Cat6 UTP cable		
9.2.3 Device and Equipment			
9.2.3.1	CCTV workstation including licensed software, monitors, network devices, UPS, racks, and all necessary equipment and materials to complete the system		

9.2.3.2	OCTV BULLET Type		
9.2.3	OCTV BULLET Type W/P		
9.2.3.4	Isone Type		
9.2.4	Testing and Commissioning		
	Supply of labor, consumables and necessary testing equipment needed to complete the above work in accordance with the testing procedure required by the Designer, Owner and the Project Manager		
9.2.5	Others:		
	(The Contractor is to include any other items not mentioned but necessary to complete the Works shown on the Plan and accomplish the intended objectives)		
Sub-Total Amount, Item 9.2			

Section IX. 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**
 - d. Documents required in the BDS.
- (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.

