



REPUBLIC OF THE PHILIPPINES  
**CATANDUANES STATE UNIVERSITY**  
VIRAC, CATANDUANES

## **PUBLIC BIDDING DOCUMENTS**

### **Completion of University Sports & Cultural Center (Grandstand Building B)**

**With an Approved Budget for the Contract (ABC) of  
Php12,982,860.00**

***Section I. Invitation to Bid***





## Invitation to Bid for the COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)

1. The **Catanduanes State University**, through the General Appropriations Act FY 2020 intends to apply the sum of **Twelve Million Nine Hundred Eighty Two Thousand Eight Hundred Sixty Pesos (Php12,982,860.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for **Completion of University Sports & Cultural Center (Grandstand Building B)**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The Catanduanes State University now invites bids for the above Procurement Project:

Description	Approved Budget for the Contract	Completion Period	Location
<b>Completion of University Sports &amp; Cultural Center (Grandstand Building B) as per plans and specifications</b>	Php12,982,860.00	Ninety (90) calendar days	CatSU Main Campus, Virac, Catanduanes

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 Catanduanes State University Bids and Awards Committee (BAC) Secretariat and inspect the Bidding Documents at the address given below from 9:00a.m. to 4:00p.m. (Mondays-Fridays).
5. A complete set of Bidding Documents may be acquired by interested bidders on **September 10 to September 30, 2021** from the given address and website/s below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Twenty Five Thousand Pesos (Php25,000.00)**. Payment shall be made directly to the CatSU Cashiering Services. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.

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Bidders who have been declared eligible in the first bidding (Reference No. 7670696) may acquire bidding documents free of charge upon presentation of Official Receipt.

6. The Catanduanes State University will hold a Pre-Bid Conference on **September 18, 2021, 2:00pm** at the Conference Room, 2<sup>nd</sup> Floor, Administration Building, Catanduanes State University which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through (i) manual submission at the office address as indicated below, (ii) online or electronic submission as indicated below, or (iii) both on or before **September 30, 2021 (Thursday) at 2:00pm**. 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 **September 30, 2021 at 2:15pm** at the Audio Visual Room (AVR), 3<sup>rd</sup> Floor, Administration Building, Catanduanes State University, Virac, Catanduanes. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

Only representative/s of the bidder with the prescribed **Authorization Letter/Special Power of Attorney** shall be allowed to participate in the procurement activities of the stated project.


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

*Ms. Sheilakim M. Lumabi*  
*Chair, BAC Secretariat*  
*3<sup>rd</sup> Floor Administration Bldg.,*  
*CatSU, Virac, Catanduanes*  
*CP No. 09491369639 or 09979249902*  
*BAC Secretariat email: [catsec\\_bacsec@yahoo.com](mailto:catsec_bacsec@yahoo.com)*  
*[catsu.bac2020@gmail.com](mailto:catsu.bac2020@gmail.com)*

12. You may visit the following websites:

For downloading of Bidding Documents: [www.philgeps.gov.ph](http://www.philgeps.gov.ph)  
[www.catanduanesstateu.edu.ph](http://www.catanduanesstateu.edu.ph)

10 September 2021

  
**LILY P. CUSTODIO, Ph.D.**  
BAC Chairperson

## ***Section II. Instructions to Bidders***



## 1. **Scope of Bid**

The Procuring Entity, **CATANDUANES STATE UNIVERSITY** invites Bids for the **COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)**, with Project Identification Number *2021-008-IP*.

*[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 (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 **FY 2020** in the amount of **Twelve Million Nine Hundred Eighty Two Thousand Eight Hundred Sixty Pesos (Php12,982,860.00)**

2.2. The source of funding is:

a. NGA, the General Appropriations Act.

## 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 Procuring Entity has prescribed that **Subcontracting is not allowed**.

## 8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time at its physical address as indicated in paragraph 6 of the **IB**.

## 9. Clarification and Amendment of Bidding Documents

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

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

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



- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid PCAB License is required, and in case of joint ventures, a valid special PCAB License, and registration for the type and cost of the contract for this Project. 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 for **ONE HUNDRED TWENTY (120) CALENDAR DAYS FROM THE DATE OF BID OPENING**. 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 16 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***

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# Bid Data Sheet

ITB Clause	
5.2	<p>The bidder should have a similar completed project whose Contract value (adjusted to current prices using the PSA consumer price indices) is at least fifty percent (50%) of the ABC to be bid;</p> <p>A contract is considered to be “similar” to the contract to be bid if it has the major categories of work.</p>
7.1	Subcontracting is not allowed.
10.1	<p>Bidders shall submit the following:</p> <p><b>A. ELIGIBILITY DOCUMENTS</b></p> <p><b><u>Class “A Documents</u></b></p> <ol style="list-style-type: none"> <li>1. Photocopy of Registration Certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI), or Cooperative Development Authority (CDA), whichever is applicable;</li> <li>2. Photocopy of valid Mayor’s or Business permit issued by the city or municipality where the principal place of business is located or its equivalent document;</li> <li>3. Photocopy of Tax Clearance Certificate per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue;</li> <li>4. Photocopy of audited Financial Statement (Independent Auditor’s Report, Balance Sheet &amp; Income Statement), 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;</li> <li>5. Photocopy of valid PCAB License and Registration with at Least Small B (Size Range) and C &amp; D (License Category) or Special PCAB License in case of Joint Ventures;</li> </ol> <p><b><u>OR</u></b></p> <p>Valid PHILGEPS Registration Certificate (Platinum Membership) (all pages).</p> <ol style="list-style-type: none"> <li>6. Statement of <u>ALL</u> 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 supported by a Notice of Award and/or Contract, Notice to Proceed issued by the owner and Statement of Work Accomplishments. Submit accomplished <b>FORM 4: STATEMENT OF ALL ONGOING GOVERNMENT &amp; PRIVATE CONSTRUCTION CONTRACTS INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED;</b></li> <li>7. Statement of its Single Largest Completed Contract (SLCC), in accordance with BDS clause 5.2, similar to the contract to be bid and supported by a Contract, Certificate of Completion and Certificate of Final Acceptance issued by the owner <u>or</u> the Constructors Performance Evaluation System (CPES) Final Rating, which must be at least satisfactory. In case of contracts with the private sector, an equivalent document shall be submitted. Submit</li> </ol>

accomplished **FORM 5: STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID.**

8. Duly signed Net Financial Contracting Capacity (NFCC) computation of at least equal to the ABC of the project.

**Class "B" Documents**

- A. 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**
- B. Duly notarized statements from all 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.

**B. TECHNICAL DOCUMENTS**

1. 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. (Submit accomplished **FORM 2: BID SECURING DECLARATION**);
2. Organizational Chart for the contract to be bid;
3. List of **Bidder's Key Personnel** to be assigned to the contract to be bid. Submit accomplished **FORM 6. LIST OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT**;
4. An accomplished Curriculum Vitae (CV) or Bio-Data of the proposed key personnel to be assigned to the project with their complete qualification & work experience data. Bidder shall attach photocopy of valid PRC license of the professional personnel, Certificate of DOLE/DPWH Accreditation as applicable and Certificate of Training in Occupational Safety and Health. (Please refer to **FORM 7: SAMPLE FORMAT OF BIO-DATA**);
5. Original duly Notarized Key Personnel's Affidavit of Commitment to Work on the Contract. Submit accomplished **FORM 8: KEY PERSONNEL'S AFFIDAVIT OF COMMITMENT TO WORK ON THE CONTRACT**;
6. List of Bidder's Major Equipment Units, which are owned, leased, and/or under purchase agreement supported by proof of ownership, lease and/or purchase agreement (proof must include certification of availability of equipment from the lessor/vendor for the duration of the project). Submit accomplished **FORM 9: LIST OF EQUIPMENT, OWNED OR LEASED AND/OR UNDER PURCHASE AGREEMENT, PLEDGED TO THE PROPOSED CONTRACT**;
7. Duly notarized Omnibus Sworn Statement **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. Submit accomplished (please refer to **FORM 3: OMNIBUS SWORN STATEMENT**);

Under Item 2 of the Omnibus Sworn Statement:

The representative authorized and named in the Special Power of Attorney (SPA) should be:

- a) An employee of the company/business entity (certified as bonafide

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	<p>employee by the owner/bidder (if sole proprietorship) and by the Corporate Secretary or Chairman of the BOD, if a corporation, partnership or joint venture) (Certification attached in the (SPA);</p> <p>b) Included in the Organizational Chart for the Contract to be bid;</p> <p>c) One of the Contractor's personnel to be assigned to the contract to be bid.</p> <p>11. Duly signed Construction Schedule and S-curve;</p> <p>12. Duly signed PERT/CPM;</p> <p>13. Duly signed Construction Methods in Narrative Form on how the contractor will undertake the works under the contract;</p> <p>14. Duly signed Manpower Schedule;</p> <p>15. Duly signed Equipment Utilization Schedule;</p> <p>16. Duly signed Construction Safety and Health Program (to be approved by DOLE prior to contract signing);</p> <p>17. Duly signed and notarized Affidavit of Site Inspection. (please refer to <b>FORM 10: AFFIDAVIT OF SITE INSPECTION</b>);</p> <p><b>Note:</b> For the conduct of Site Inspection, bidders are required to bring their technical personnel. Technical personnel must be a licensed Civil Engineer. Affidavit of Site Inspection must be duly conformed/noted by Dr. Bernardino C. Abundo, Jr., PDISS Director.</p>
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10.4 The Bidder's key personnel must meet the required minimum qualification and work experience requirements set below:

<i>Key Personnel</i>	<i>Qualification and Experience</i>
1. Supervising Project Engineer	<ul style="list-style-type: none"> <li>Registered Civil Engineer;</li> <li>With at least five (5) years of experience in the construction industry; and</li> <li>Shall render full time services for this Project until its completion and turn-over.</li> </ul>
2. Materials Engineer	<ul style="list-style-type: none"> <li>DPWH accredited Materials Engineer;</li> <li>With at least three (3) years of experience as Materials Engineer; and</li> <li>Shall render services as required for this Project.</li> </ul>
3. Electrical Engineer	<ul style="list-style-type: none"> <li>Registered Electrical Engineer;</li> <li>With at least three (3) years of experience in the construction industry; and</li> <li>Shall render services as required for this Project.</li> </ul>
4. Master Plumber	<ul style="list-style-type: none"> <li>Registered Master Plumber;</li> <li>With at least three (3) years of experience in the construction industry; and</li> <li>Shall render services as required for this Project.</li> </ul>
5. Safety & Health	<ul style="list-style-type: none"> <li>Accredited safety practitioner by the DOLE;</li> </ul>

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Officer	<ul style="list-style-type: none"> <li>• With at least three (3) years of experience as Safety Officer in the construction industry;</li> <li>• Completed Construction Occupational Safety and Health (COSH) Training; and</li> <li>• Shall render full-time services for this Project.</li> </ul>
6. Foreman	<ul style="list-style-type: none"> <li>• At least High School Graduate;</li> <li>• With at least three (3) years of experience as Foreman in the construction industry; and</li> <li>• Shall render full-time services for this Project until its completion and turn-over</li> </ul>
7. First Aider	<ul style="list-style-type: none"> <li>• Accredited First Aider practitioner by the Red Cross of the Philippines;</li> <li>• With at least 1 year of experience in the construction industry; and</li> <li>• Shall render services for this project.</li> </ul>

Each of the Bidder's Key Personnel must be supported by the following documents:

- Accomplished CV or Bio-Data with their complete qualification and work experience data;
- Valid Professional License issued by Professional Regulation Commission (PCR) and if for renewal, submit a copy of the recently expired Professional Identification Card and official receipt as proof of payment for the application for renewal;
- Certificate of Training on Construction Occupational Safety and Health (COSH) issued by a DOLE accredited training center/agency for the Safety Officer.

**NOTE:** DESIGNATION OF KEY PERSONNEL TO MORE THAN ONE OF THE ABOVE STATED PROFESSIONS IS NOT ALLOWED EXCEPT FOR MATERIALS ENGINEER.

10.5

The minimum major equipment requirements are the following:

<i>Equipment</i>	<i>Number of Units</i>
Backhoe Crawler, 1.09 cu.m. EL 200B	1
Submersible water pump	4
Vibratory plate compactor (550-700)	1
Bar Cutter	1
Bar bender 42mm	1
1-bagger concrete mixer	2
Transit mixer, 5-6 yd <sup>3</sup>	3
Various masonry and carpentry tools	Enough
Various power tools	enough
Port lift	2
Concrete vibrator	2
Welding machine (electric driven/DC output)	2
Standby Generator Set, 301-350kW	2
Thermal scanner (with rechargeable battery)	1

- Failure of the bidder to state a complete technical description of the

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	pledged equipment and the specific location, whether owned, leased or under purchased agreement shall result in the bidder's disqualification.
11.1	<p>Bidders shall submit the following documents using the prescribed forms;</p> <ol style="list-style-type: none"> <li>1. Original of duly signed and accomplished Financial Bid Form (please refer to <b>FORM 1: BID FORM</b>);</li> <li>2. Original of duly signed Bill of Quantities;</li> <li>3. Duly accomplished Detailed Estimates, including a summary sheet indicating the unit prices of construction materials, labor rates, and equipment rentals used in coming up with the Bid. (Please refer to <b>BREAKDOWN OF DETAILED ESTIMATES FORMAT</b>);</li> <li>4. Cash Flow by Quarter and Payment Schedule.</li> </ol> <p><b>NOTE:</b> BIDS NOT ADDRESSING OR PROVIDING ALL THE REQUIRED ITEMS IN THE BIDDING DOCUMENTS INCLUDING, WHERE APPLICABLE, BILL OF QUANTITIES, SHALL BE CONSIDERED NON-RESPONSIVE AND, THUS, AUTOMATICALLY DISQUALIFIED. IN THIS REGARD, WHERE A REQUIRED ITEM IS PROVIDED, BUT NO PRICE IS INDICATED, THE SAME SHALL BE CONSIDERED AS NON-RESPONSIVE, BUT SPECIFYING A ZERO (0) OR A DASH (-) FOR THE SAID ITEM WOULD MEAN THAT IT IS BEING OFFERED FOR FREE TO THE GOVERNMENT (SECTION 32.2.1.A OF THE 2016 REVISED IRR OF RA 9184).</p>
12	No further instructions.
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> <ol style="list-style-type: none"> <li>a. The amount of not less than <u>Two Hundred Fifty Nine Thousand Six Hundred Fifty Seven Pesos &amp; Twenty Centavos (Php259,657.20)</u> [<i>Two percent (2%) of ABC</i>], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</li> <li>b. The amount of not less than <u>Six Hundred Forty Nine Thousand One Hundred Forty Three Pesos (Php649,143.00)</u> [<i>Five percent (5%) of ABC</i>] if bid security is in Surety Bond.</li> </ol> <p><b>NOTE:</b> 1. THE SURETY COMPANY SHALL NOT BE INCLUDED IN THE GPPB'S NEGATIVE LIST OF INSURERS PURSUANT TO GPPB GUIDELINES FOR THE ESTABLISHMENT OF NEGATIVE LIST OF SURETY AND/OR INSURANCE COMPANIES.</p>
16	<p>Each Bidder shall submit <i>ONE (1) SET (Envelope A)</i> <b>original copy</b> and <i>ONE (1) SET (Envelope B)</i> <b>second copy</b>, of the first and second components of its bid.</p> <p>Requirements of the Catanduanes State University for MARKING AND SEALING OF BIDS are part of the Bidding Documents, Section XI.</p> <p>For online submission of bids, the Bidder shall submit an electronic copy of its Bid (Eligibility, Technical and Financial Documents including all required Bidding Forms), which must be digitally signed.</p>

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	An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus automatically disqualified.
19.2	Partial bid is not allowed. The infrastructure project is packaged in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.
20	<p>Bidder shall submit the following documents within a non-extendible period of five (5) calendar days from receipt of the Notice of Post-Qualification Evaluation from the BAC:</p> <ul style="list-style-type: none"> <li>a. Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS);</li> <li>b. Original Copy of the Legal Documents such as DTI/SEC Registration Certificate, Business Permit, Tax Clearance Certificate and PCAB License. Said documents will be returned after verification and validation.</li> </ul>
21	<p>List of additional contract documents:</p> <ul style="list-style-type: none"> <li>a. Company Profile;</li> <li>b. Contractors All Risk Insurance (CARI);</li> <li>c. Construction Schedule and S-curve;</li> <li>d. PERT/CPM;</li> <li>e. Manpower Schedule;</li> <li>f. Equipment Utilization Schedule;</li> <li>g. Construction Methods in narrative form on how the contractor will undertake the works under the contract;</li> <li>h. Construction Safety and Health Program (to be approved by DOLE prior to contract signing).</li> </ul>

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***Section IV. General Conditions of Contract***

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## 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**

4.1. 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.

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

## 4. **The Contractor's Obligations**

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

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

## 5. Performance Security

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

## 6. Site Investigation Reports

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

## 7. Warranty

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

## 8. Liability of the Contractor

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

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

## 9. Termination for Other Causes

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

## 10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the SCC, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the

Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

**11. Program of Work**

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

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

**12. Instructions, Inspections and Audits**

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

**13. Advance Payment**

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

**14. Progress Payments**

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

**15. Operating and Maintenance Manuals**

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

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

***Section V. Special Conditions of Contract***



# Special Conditions of Contract

GCC Clause										
2	The Intended Completion Period is within ninety (90) calendar days from the date stated in the Notice to Proceed.									
4.1	The Procuring Entity shall give possession of all parts of the Site to the Contractor immediately after the issuance of the Notice to Proceed.									
5.1	<p>The performance security shall be submitted by the winning bidder, within ten (10) calendar days from receipt of the Notice of Award in any of the following acceptable forms:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Form of Performance Security</th> <th style="text-align: center;">Amount of Performance Security (Not less than the required percentage of the Total Contract Price)</th> </tr> </thead> <tbody> <tr> <td>1. Cash or Cashier's /Manager's Check issued by a Universal Bank (UB) or Commercial Bank (CB).</td> <td style="text-align: center;">10%</td> </tr> <tr> <td>2. Bank Draft/Guarantee or Irrevocable Letter of Credit issued by a UB or CB: Provided, however, That it shall be confirmed or authenticated by a UB or CB, if issued by a foreign bank.</td> <td style="text-align: center;">10%</td> </tr> <tr> <td>                     3. Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.                     <ul style="list-style-type: none"> <li>➤ The surety company must be authorized by the Insurance Commissioner to act as sureties in government transactions.</li> <li>➤ The surety company shall not be included in the GPPB'S negative list of insurers pursuant to GPPB guidelines for the establishment of negative list of surety and/or insurance companies.</li> </ul> </td> <td style="text-align: center;">30%</td> </tr> </tbody> </table> <p><b>NOTES:</b></p> <ul style="list-style-type: none"> <li>• THE PERFORMANCE SECURITY SHALL BE DOMINATED IN PHILIPPINE PESOS AND POSTED IN FAVOR OF THE CATANDUANES STATE UNIVERSITY, WHICH SHALL BE FORFEITED IN THE EVENT IT IS ESTABLISHED THAT THE</li> </ul>		Form of Performance Security	Amount of Performance Security (Not less than the required percentage of the Total Contract Price)	1. Cash or Cashier's /Manager's Check issued by a Universal Bank (UB) or Commercial Bank (CB).	10%	2. Bank Draft/Guarantee or Irrevocable Letter of Credit issued by a UB or CB: Provided, however, That it shall be confirmed or authenticated by a UB or CB, if issued by a foreign bank.	10%	3. Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security. <ul style="list-style-type: none"> <li>➤ The surety company must be authorized by the Insurance Commissioner to act as sureties in government transactions.</li> <li>➤ The surety company shall not be included in the GPPB'S negative list of insurers pursuant to GPPB guidelines for the establishment of negative list of surety and/or insurance companies.</li> </ul>	30%
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	<p>WINNING BIDDER IS IN DEFAULT IN ANY OF ITS OBLIGATIONS UNDER THE CONTRACT.</p> <ul style="list-style-type: none"> <li>• THE PERFORMANCE SECURITY SHALL REMAIN VALID UNTIL ISSUANCE OF THE CERTIFICATE OF FINAL ACCEPTANCE.</li> <li>• THE PERFORMANCE SECURITY MAY BE RELEASED AFTER THE ISSUANCE OF THE CERTIFICATE OF FINAL ACCEPTANCE, SUBJECT TO THE FOLLOWING CONDITIONS: <ul style="list-style-type: none"> <li>a. CATANDUANES STATE UNIVERSITY HAS NO CLAIM FILED AGAINST THE CONTRACT AWARDEE OR THE SURETY COMPANY;</li> <li>b. IT HAS NO CLAIM FOR LABOR AND MATERIALS FILED AGAINST THE CONTRACTOR; AND</li> <li>c. OTHER TERMS OF THE CONTRACT.</li> </ul> </li> </ul>
6	The site investigation reports shall be conducted by the Project Monitoring Committee (PMC) of the Agency duly noted by the Contractor.
7.2	One (1) year against defects traceable to materials and equipment supplied/installed upon acceptance by the Procuring Entity and subject to the provisions on warranties in Section 62 of the Revised IRR of R.A. 9184.
10	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 seven (7) days of delivery of the Letter of Acceptance.
11.2	The amount to be withheld for late submission of an updated Program of Work shall be discussed with the winning bidder.
13	Upon written request of the Contractor, advance payment in an amount not exceeding fifteen percent (15%) of the total contract price shall be made in one (1) lump sum payment.
14	The first progress payment may be paid provided that at least twenty percent (20%) of the work has been accomplished as certified by the Procuring Entity's Representative.
15.1	The date by which "as built" drawings are required is on the date of the completion of the contract.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals shall be discussed with the winning bidder.

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***Section VI. Specifications***  
**(Scope of Works)**





Catanduanes State University

# COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)

## SCOPE OF WORKS



August 2021

**PDISS – Technical Planning Committee**

A handwritten signature in blue ink, appearing to be the initials 'Gor'.

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## FACILITIES FOR THE ENGINEERS

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- I. Provision of Field Office/ Laboratory for the Engineers, including Equipment and Other Utilities
1. The Contractor shall provide site/laboratory office for the Engineer including toilet and temporary barricades as per plan including equipment as follows:
    - a. 3 sets - Cylinder Mold Apparatus, Cast Iron, Split lengthwise  $\varnothing 150\text{mm}$  x 300mmH
    - b. 1 set - Slump Test Apparatus with Testing Rod and Base Plate.
  2. The Contractor shall provide and maintain field offices and laboratories, including all the necessary supply of electricity, potable water supply, drainage, toilets for proper sanitation as specified in the Plan. The Contractor may utilize the any remaining materials from the previous temporary facilities for the provision of the new field office.
  3. All facilities provided by the Contractor shall be near the job site, where necessary upon coordination with the PMC, and shall conform to the best standard for the required types.
  4. Upon project completion, the facilities provided by the Contractor including utilities and communication facilities shall revert to the implementing unit including office equipment, apparatus, pieces of furniture, laboratory equipment, etc. unless otherwise specified in the contract documents.

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## OTHER GENERAL REQUIREMENTS

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- II. Project Billboard
- The work under this Item shall consist of furnishing all required materials, tools, equipment and labor and performing all operations necessary for the satisfactory completion of all project billboard.
1. The Contractor shall provide a 1 piece - 4'x8' Project Standard Billboard before the start until the end of the project.
  2. Use 2" x 2" Coco Lumber for frames and braces, and ¼" thk. Marine Plywood, Class A.
  3. The project billboard shall be placed along site premises and shall contain necessary contractual data which includes the following:
    - a. Project Title;
    - b. Project Location;
    - c. Contract I.D.;
    - d. Contractor;
    - e. Contract Start Date;
    - f. Contract Completion Date; and
    - g. Contract Amount
- III. Occupational Safety and Health
1. All works shall comply with the safety procedure or instruction as set out in Occupational Safety and Health Standards Strictly.
  2. All workers must use appropriate tools and PPE's to ensure quality result and safety.
  3. The Contractor shall provide Personal Protective Equipment (PPE) to all staffs and laborers such as Safety Helmet, Safety Shoes, Safety Gloves, Safety Vest, Rain Coats, Dust Mask, Eye Goggles, Ear Muff, Body Harness & Lanyard, and Rubber Boots
  4. Basic Personal Protective Equipment (PPE) shall be worn by all staff or laborers whenever within the project site.
  5. The Contractor shall provide medical kits, medicines & accessories as well as antiseptics and disinfectants such as sanitizing solutions, ethyl alcohol, and liquid hand soap within the project site.
  6. The Contractor shall provide Temporary Barricades and Signages.

7. Only trained operators or banksman shall engage to control or operate heavy equipment machines.
8. The Contractor shall assign a one (1) fulltime Safety Officer/Safety Engineer and one (1) fulltime First Aider.
9. The full-time Safety Engineer/Officer assigned at the site who shall strictly monitor work activities. Said Safety Engineer/Officer shall ensure strict compliance with regard to the wearing of additional personal protective equipment (PPE) required such as, but not limited to, face masks, safety glasses/goggles, face shields, and long sleeve T-shirts, and other measures to contain the spread of COVID-19 in the workplace.
10. Work activities shall be strictly monitored daily by the Safety Officer on site to ensure compliance with safety standards and quarantine protocols.
11. Proper waste disposal shall be provided for infectious waste such as PPEs and other waste products coming from outside the construction premises.
12. Contractor shall submit a copy of the approved OSH Program to the Agency through PMC.
13. The Contractor shall strictly adhere to the provisions of this scope. Non-compliance of this requirement shall be a valid ground for suspension and/or termination of contract.

#### IV. Permits, Fees, and Clearances

The work under this Item shall consist of furnishing all required fees and payments for building permit processing, material testing as well as permanent electrical service connection processing and performing all operations necessary for the satisfactory completion of all project.

1. Payments for building permit application with the maximum amount of **100,000.00php** will be charged to the Contractor. This includes but not limited to payment for signing engineers including structural design and analysis, zoning clearance fees, permit processing fees, if required, occupancy permit fee, and fire protection certificate.
2. During project implementation, the Contractor shall conduct material testing at any testing materials agency recognized by the DPWH under the supervision of a representative from the Project Monitoring Committee. All material testing shall be in accordance with the DPWH Standards. In addition, payments for such Material Testing is included in this Item and will be charged to the Contractor.
3. Upon completion of all works, the Contractor shall apply for the permanent electrical service connection of the building. Any additional fees and materials necessary for the electrical service connection such as but not limited to service drop and accessories shall be covered by this Item.

#### V. Mobilization/ Demobilization

1. This Item includes the mobilization/ demobilization of materials and equipment, construction of Temporary Facilities, Bunkhouse, Warehouse storage & Project Site Office.
2. All materials used for billboards, signages, bunkhouses shall be new and be turned over to the implementing unit after the completion of the project.
3. This item includes demobilization of all construction debris from the site after all works has been completed.

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## CIVIL, MECHANICAL, ELECTRICAL, & PLUMBING/ SANITARY WORKS

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### PART A. EARTHWORKS

#### VI. Clearing and Grubbing

This item shall consist of clearing, grubbing, removing and disposing of all vegetation and debris as designated in the Contract, except those objects that are

designated to remain in place or are to be removed in consonance with other provisions of this Specification. The work shall also include the preservation from injury or defacement of all objects designated to remain.

All surface objects and all trees, stumps, roots and other protruding obstructions, not designated to remain, shall be cleared and/or grubbed, including mowed as required, except as provided below:

1. Removal of undisturbed stumps and roots and nonperishable solid objects with a minimum depth of one (1) meter below subgrade or slope of the embankment will not be required.
2. In areas outside of the grading limits of cut and embankment areas, stumps and nonperishable solid objects shall be cut off not more than 150 mm above the ground line or low water level.
3. In areas to be rounded at the top of cut slopes, stumps shall be cut off flush with or below the surface of the final slope line.
4. Grubbing of pits, channel changes, and ditches will be required only to the depth necessitated by the proposed excavation within such areas.
5. In areas covered by cogon/ talahib, wild grass and other vegetation, topsoil shall be cut to a maximum depth of 150 mm below the original ground surface or as designated by the Engineer and disposed outside the clearing and grubbing limits.
6. Except in areas to be excavated, stump holes and other holes from which obstructions are removed shall be backfilled with suitable material and compacted to the required density.
7. If perishable material is burned, it shall be burned under the constant care of component watchmen at such times and in such a manner that the surrounding vegetation, other adjacent property, or anything designated to remain will not be jeopardized. If permitted, burning shall be done in accordance with applicable laws, ordinances, and regulation.
8. Material and debris which cannot be burned and perishable materials may be disposed off by methods and at locations approved by the implementing agency, on or off the project site.
9. If disposal is by burying, the debris shall be placed in layers with the material so disturbed to avoid nesting. Each layer shall be covered or mixed with earth material by the land-fill method to fill all voids. The top layer of material buried shall be covered with at least 300mm(12 inches) of earth or other approved material and shall be graded, shaped and compacted to present a pleasing appearance.
10. This scope involves clearing and grubbing of the entire building footprint as well as site clearing where the septic tank will be located as per plan.
11. The construction site shall also be cleared and free from construction debris upon completion of the project. The cost involved in the disposal activities shall be included in the unit bid price.

## VII. Structure Excavation

This Item shall consist of the necessary excavation for the foundation of structural columns, tie beams, and other structures not otherwise provided for in the Specifications. Except as otherwise provided for pipe culverts, the backfilling of completed structures and the disposal of all excavated surplus materials shall be in accordance with these specifications and in reasonably close conformity with the plans or as established by the Engineer.

All earthwork excavation shall be confined to the construction area as shown on the plans and shall be done in an approved manner with proper equipment. Excavation shall be suspended during rain and inclement weather, or when unsatisfactory field conditions are encountered unless otherwise directed by the ENGINEER. At all times during construction, the CONTRACTOR shall maintain proper drainage in the construction area and shall take all measures necessary for erosion and sediment control.

1. Excavation work shall be done in all kinds of soils.
2. This scope includes the excavation of column footing, tie beam and wall footing for masonry wall and removal of materials within the staked - out line of the building as well as excavation for septic tank and catch basin located as per plan.

3. The Contractor shall furnish all the necessary labor, place and maintain all support and shoring as maybe required for the excavation, including the removal/pumping of storm/waste water from the excavation.
4. The Contractor shall take every precaution to protect existing utility services from damage during construction operations. If damage occurs, the Institution shall be notified immediately and repairs shall be made promptly at the Contractor's expense. All repair works shall be satisfactory to the Engineer and the Institution. When interruptions of existing utilities occur, temporary service shall be provided as approved by the Engineer and Owner of the utility.
5. The Contractor shall provide a working space allowance of 0.5 m each face of the structural element (for footing, wall footings and tie beams) for an excavation of 1.0 m depth and .8m for 2.0 m depth of excavation, respectively.

#### VIII. Embankment (Incl. Backfilling and Gravel Bedding)

This Item shall consist of the construction of embankment per this specification and in conformity with the lines, grades, and dimensions shown on the plans or established by the Engineer.

1. Excavated areas around structures shall be backfilled with free-draining granular material approved by the Engineer and placed in horizontal layers not over 150 mm in thickness, to the level of the original ground surface. Each layer shall be moistened or dried as required and thoroughly compacted with mechanical tampers at 90% MDD.
2. All excavated materials, so far as suitable, shall be utilized as backfill or embankment. The surplus materials shall be disposed of in such a manner as not to obstruct the stream or otherwise impair the efficiency or appearance of the structure. No excavated materials shall be deposited at any time that may endanger the partly finished structure.
3. This Item includes utilization of excavated material from column footing, tie beam, and wall footing for embankment up to the Natural grade line and an additional volume of suitable backfilling materials.
4. The concrete strength of column and tie beams must be attained up to its considerable strength before backfilling and compaction is done on-site.
5. Gravel bedding for Slab on Grade and Wall Footing must be properly observed on-site and must have a minimum compacted thickness of 50mm.
6. The finished grade line of the structure must refer to the finished roadway as per standard construction practice.
7. No footing shall rest on fill.
8. Contractor to provide for de-watering of excavations from either surface water, groundwater, or seepage.
9. The Contractor shall include backfilling and compaction works at 1.0m offset distance (outside) from the perimeter of the building at 90% MDD.

#### IX. Soil Poisoning

This Item shall consist of furnishing and applying termite control chemicals, including the use of equipment and tools in performing such operations in accordance with this Specification.

Termite control chemicals or toxicants shall be able to immediately exterminate termites or create barriers to discourage entry of subterranean termites into the building areas.

Before any termite control work is started, thorough examination of the site shall be undertaken so that the appropriate method of soil poisoning can be applied. The Contractor shall coordinate with other related trades through the Engineer to avoid delay that may arise during the different phases of application of the termite control chemicals.

1. This scope includes soil poisoning of areas covered by the structure's slab on grade and ramps on grade as well as concrete pavement.

2. All chemical materials utilized by this sub shall be handled by professionals trained in doing so. All material will be stored in and disbursed from proper containers with no unused materials left on site unless secured in an approved storage area.
3. The Contractor must provide all necessary materials for the safe performance of work, The Contractor must use the chemical that is standard to the industry for its intended use.
4. Remove all wooden pieces, concrete debris, plastic strips, tree stump roots, and deleterious materials, etc. shall be completed as well as soil shall be leveled and compacted before treatment starts.
5. All construction-related tests shall be approved by the PMC prior to treatment.
6. The application shall immediately begin by first preparing and mixing the solutions of Approved Anti-termite/ soil poisoning material diluted with water at a rate of 1:49 Liter water as per manufacturer's recommendation.
7. The solution of approved Anti-termite material diluted with water shall be sprayed with an application rate of 4 to 5 liter per square meter into the leveled and compacted backfilling material of the whole building footprint and shall extend 10 meters from the outside perimeter of the building.
8. For foundations and other excavation, treat the bottom and side of trenches until a height of 300mm from the base with the solution at a rate of 5 liters per square meter.
9. After the foundation/ grade beams/ wall footings are built, the backfill which is in immediate contact with the foundation shall be treated at a rate of 7.5 liters per square meter. Treating shall be done on each side of the vertical surface.
10. The top surface of the consolidated earth shall also be treated at a rate of 5 liters per square meter before the gravel bedding is laid. If the filled earth does not allow the emulsion to be absorbed, make holes of 50mm to 75mm deep and 150mm apart to facilitate saturation of the soil with the termiticide solution.
11. Wall and floor junction shall be treated on the inner wall surface from ground level at a rate of 7.5 liters of vertical wall or column surface to be used. Solution shall reach the soil at the bottom.
12. Application of termiticide solution shall be sprayed to all wooden surfaces with an application rate of 4 to 5 liter per square meter prior to painting works.
13. The treated area shall then be covered, it can be opened free until 2 hours, and then casting can be started. Casting must be completed by 2 to 24 hours after the Anti-termite application.
14. This Contractor must not treat soils in adverse weather conditions.
15. The work area must be cleaned up daily ensuring that chemical containers and rags or any other expended material items have been safely removed from the site.
16. The contractor shall guarantee the work for one (1) year after final acceptance.
17. The Contractor must employ accredited workmen who are trained in working with chemical compounds and pesticides and have a full understanding of handling and safety procedures and first aid emergency care.

## **PART B. PLAIN AND REINFORCED CONCRETE WORKS**

### **X. Forms and Falseworks**

This Item shall consist of designing, constructing, and removing forms and falsework to temporarily support, concrete, girders, and other structural elements until the structure is completed to the point it can support itself.

#### **Formwork**

The material used for smooth form finish shall be plywood, tempered concrete-form-grade hardboard, metal, plastic, paper, or other acceptable materials capable of producing the desired finish for form-facing material. Form-facing materials with raised grain, torn surfaces, worn edges, patches, dents, or other defects that will impair the texture of concrete surfaces shall not be permitted. No form-facing material shall be specified for rough form finish.

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### Falsework

The material to be used in the falsework construction shall be of the quantity and quality necessary to withstand the stresses imposed; it may be timber or steel or a combination of both. The workmanship shall be of such quality that the falsework will support the loads imposed on it without excessive settlement or take-up beyond as shown on the falsework drawings.

1. Shop drawings for forms and false works shall be submitted by the Contractor to the TPC approval before fabrication/ installation.
2. Submission of shop drawings to the TPC for evaluation/ approval shall be submitted 7 days before fabrication/ installation.
3. The Contractor shall submit a detailed calculation of scaffolds if it can withstand the imposed loads due to the self-weight of the structural element, construction loads, and impact loads.
4. Used formworks & scaffolds shall not be utilized in the construction to avoid surface imperfection in all concrete works.
5. Formworks shall be coated with non-staining mineral oil or non-staining form coating compound (form oil) in all contact surfaces with concrete before rebar installation and closure of forms.
6. Provide formworks with clean-out openings to permit inspection and removal of debris.
7. The Contractor shall remove debris before concrete casting.
8. Forms submerged in water shall be watertight.
9. Use  $\frac{3}{4}$ " thk. Phenolic Board – construction form for beam runners, sidings, bleachers, columns and suspended slabs.
10. All forms and scaffolds used by the Contractor during construction, completion, or repair of the said project shall be turned over to the Administration after the construction except for the Personal Steel Forms and scaffolds (H-Frame).
11. Use of round wood as scaffoldings may be allowed upon recommendation and approval of the PMC in coordination with the Design Engineer.
12. Re-shoring must be done on-site when necessary.

### XI. Reinforcing Steel Bars

This item shall consist of furnishing, bending, fabricating, and placing of steel reinforcement of the type, size, shape, and grade required per standard specifications and in conformity with the requirements shown on the plans or as directed by the Engineer.

1. The Reinforcing Steel Bars shall conform to the latest specification of the ACI and the National Structural Code of the Philippines with a minimum grade equivalent to Grade 40 (276 MPa) unless otherwise specified or as directed by the Engineer.
2. Shop drawings/ Rebar cutting list shall be submitted by the Contractor for TPC approval before rebar fabrication and installation.
3. Submission of shop drawings/Rebar Cutting list for evaluation/approval shall be submitted 7 days before rebar fabrication.
4. All cut off points of RSB in all tie beams, suspended beams, and girder must be observed as specified on plans and as per approved design and as per standard construction practices and methodology.
5. Reinforcing Steel bars shall undergo material testing for strength verification.
6. The Contractor shall submit to the TPC and PMC a mill certificate of reinforcing steel bars for yield strength verification and its content.
7. Steel bars shall not be coated with form oil.

1. Concrete Hollow Blocks (CHB) shall be applicable for non-load-bearing applications as specified in the drawings. CHB shall have fine, even texture, well defined edges and shall be sound and free from cracks and other defects.

Contractor shall supply all the specified materials, expertise, supervision, labor, layout, equipment, tools, scaffold and miscellaneous items required for a complete masonry job in accordance with the drawings, plans and specifications as specified herein. All masonry works shall be performed by skilled craftsmen in a workmanlike manner throughout and shall be in accordance with all relevant codes, standards and regulations as deemed necessary.

XIII. Masonry Works

**PART C. ARCHITECTURAL FINISHES & OTHER CIVIL WORKS**

1. Structural concrete must attain a minimum compressive strength  $f'c = 21.0$  MPa (3000 Psi) at 28 days and as per structural specification.
2. Use clean washed sand & crushed gravel (maximum 19mmØ) as per plan and structural specification for Structural members. The use of uncrushed gravel is prohibited.
3. Concrete pouring of columns shall be terminated anywhere within the upper thirds of the column clear height.
4. Monolithic concrete pouring of slab on fill/suspended slab/girder and beams shall be observed.
5. This scope includes the concrete pouring of the framing system before masonry works.
6. Proper concrete sampling and testing shall be done on-site as per specifications.
7. Proper concrete curing must be observed on site.
8. Lean concrete must be provided for column footings with a minimum thickness of 50mm.
9. Proper concrete pouring methodology shall be observed on-site to avoid the segregation of aggregates.
10. Structural Concrete shall attain its acceptable strength before Stripping/Dismantling of bottom forms.
11. This scope also includes the construction of foundation, column footings, columns, the beams, girders, slab and ramps on grade, suspended and canopy slabs, concrete fascia, wall footing and retaining walls, and other items necessary as per plan and specifications.

XII. Structural Concrete

This item shall consist of furnishing, placing, and finishing concrete in all structures except pavements per this Specification and conforming to the lines, grades, and dimensions shown on the plans. Concrete shall consist of a mixture of Portland cement, fine aggregate, coarse aggregate, admixture when specified, and water mixed in the proportions specified or approved by the Engineer.

8. Standard hooks, Splicing, concrete cover and development length shall be observed on site.
9. All Hooks for stirrup/lateral ties and main reinforcement shall be seismic hooks.
10. This scope includes all reinforcing bars required for reinforced concrete works including other items where it is necessary as per plan and specifications.

2. Masonry units should be delivered and stored on wooden pallets to prevent moisture absorption from the soil and covered with water-repellent tarps or plastic covers to prevent wetting, staining, or discoloration.
3. Aggregates should be protected against contamination from rain and from blowing dust and soil during construction to prevent staining or reduced mortar bond strength.
4. Different aggregates should be stored in separate stockpiles and all aggregate stockpiles covered with a waterproof tarp or plastic covering when not in use.
5. CHB shall be laid with full mortar coverage on both horizontal and vertical shells. Requirements for the mortar are as follows:
  - Portland Cement: ASTM C150, Type 1
  - Sand: Clear, Sharp, graded from fine to coarse, ASTM C-144
  - Water: Clean and potable
  - Mixture: One (1) part cement, two (2) parts sand
6. If needed, provide a guide chord stretched out from end to end to establish desired CHB alignment.
7. After erecting 4 layers of CHB, observe 3 to 4 hours' interval before proceeding with the next layer of CHB.
8. A 20mm thick gap shall be provided in between walls and columns, walls and beams, walls and slab on top.
9. Provide 20mm thick Styropor as joint filler between walls and columns/ walls and beams/slab on top.
10. The contractor shall establish and ensure desired CHB alignment and plumbness. The Contractor shall reconstruct any inadequate work.
11. This includes all masonry works required for the completion of the building as well as parapet walls and other decorative masonry works.
12. CHB shall be piled on plank platforms in dry locations, and shall be protected with appropriate cover or other suitable material until laid in the wall. Reinforcement and other metal items shall be protected from the elements. All mortar materials shall be stored under cover in a dry place so that damage from moisture, freezing and other sources are prevented.

**XIII.A**      *5" thk. Masonry Wall (incl Reinforcing Steel Bars)*

- a. Use 5" non-load bearing concrete hollow blocks for exterior walls indicated in the plans.
- b. This item also includes reinforcing steel bars of concrete hollow blocks. Use 10mm diameter RSB spaced at 600mm for vertical reinforcement and 10mm diameter RSB at every three (3) layers of CHB for horizontal reinforcement.
- c. Use gauge no. 16 G.I. tire wire to secure the steel bars into its designated position.

**XIII.B**      *4" thk. Masonry Wall (incl Reinforcing Steel Bars)*

- a. Use 4" non-load bearing concrete hollow blocks mainly for interior walls indicated in the plans.
- b. This item also includes reinforcing steel bars of concrete hollow blocks. Use 10mm diameter RSB spaced at 600mm for vertical reinforcement and 10mm diameter RSB at every three (3) layers of CHB for horizontal reinforcement.
- c. Use gauge no. 16 G.I. tire wire to secure the steel bars into its designated position.

**XIV. Doors**

This Item shall consist of furnishing all panel door & hollow core door materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this Specification.

1. This scope of work includes fabrication and installation of Doors including all items required to be fabricated like doorjamb and provision of complete accessories including heavy duty handle set and locking devices.
2. This scope of work includes provision of Doors and door frames conforming to the sizes, dimensions and designs as shown and specified in the schedule of doors or as per the bill of materials.
3. Contractor to ensure that all materials to be used shall be in accordance with the required specifications. All doors shall be provided with corresponding heavy-duty

lever type stainless handle set, locking devices, as well as fixing accessories such as stainless door hinges, and the like.

- Use Kiln Dried Lauan wood or equivalent for panel doors and door jambs.
  - Use 3/8" thk Clear Glass for transom.
  - Use Stainless Steel Amerilock cylindrical door knob and heavy duty barrel lock.
  - Use 1/2" thk. Marine Plywood on both faces of hollow core flush door
4. All door sizes and design shall be verified prior to fabrication and installation.
  5. Hardware for fixing and locking devices shall be closely matched and adaptable to the type and method of opening.
  6. For all assembly and fabrication works the cut ends shall be true and accurately jointed, free of burrs and rough edges. Cut-out recesses, mortising, grinding operation for hardware shall be accurately made and properly reinforced when necessary.
  7. This scope includes provision of all doors as listed below:

XIV.A *Panel Doors*

GENERAL SPECIFICATIONS	DOOR TAG	NO. OF SET	DIMENSIONS / SPECIFIC DETAILS
<b>Panel Type Door</b>  Kiln Dried Lauan Panel Door on 50mm x 150mm Kiln Dried Lauan Wood Jamb; with SS Amerilock Cylindrical Door Knob; HD Barrel Lock and complete hardware accessories (Note: Use Kiln Dried Lauan Wood or equivalent)	D1	6 sets	900mmW x 2100mmH + 350mmH With 3/8" thk. Fixed Clear Glass Transom

XIV.B *Hollow Core Flush Type Door*

GENERAL SPECIFICATIONS	DOOR TAG	NO. OF SET	DIMENSIONS / SPECIFIC DETAILS
<b>Hollow Core Flush Type Door</b>  Hollow Core Flush Type Door in 50x150mm thk. Kiln Dried Lauan wooden Jamb with 1/2" thk. Marine Plywood on both faces with Stainless Steel Amerilock Cylindrical Door Knob; and complete hardware accessories (Note: Use Kiln Dried Lauan Wood or equivalent)	D2	4 sets	800mmW x 2100mmH

XV. Windows

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This Item shall consist of furnishing all aluminum glass window and steel casement window materials, labor, tools and equipment required in undertaking the proper installation as shown on the Plans and in accordance with this Specification.

1. This item shall consist of all fabricated Powder Coated Aluminum & Steel Casement Windows fully equipped with fixing accessories and locking devices as shown on Plans and per this Specification.
2. The Contractor shall verify the correct window sizes and specifications to the Project Monitoring Committee before fabrication and installation.
3. Screws, nuts, washers, bolts, rivets and other miscellaneous fastening devices shall be made of non-corrosive materials such as aluminum, stainless steel, etc.
4. Hardware for fixing and locking devices shall be closely matched and adaptable to the type and method of opening.
5. For all assembly and fabrication works the cut ends shall be true and accurately jointed, free of burrs and rough edges. Cut-out recesses, mortising, grinding operation for hardware shall be accurately made and properly reinforced when necessary.
6. Steel Casement windows need to be coated with 2 coatings of Red Oxide Primer prior to installation.
7. This scope includes provision of all windows as listed below:

XV.A *Aluminum Windows*

GENERAL SPECIFICATIONS	DOOR TAG	NO. OF SET	DIMENSIONS / SPECIFIC DETAILS
<p><b>Aluminum Window</b></p> <p>6mm thk. Glass Panel on 50mm x 100mm x 1.50mm thk. Powder Coated Aluminum Window frame with complete locking devices and accessories.</p>	W1	6 sets	1700mmW x 1800mmH

XV.B *Steel Casement Windows*

GENERAL SPECIFICATIONS	DOOR TAG	NO. OF SET	DIMENSIONS / SPECIFIC DETAILS
<p><b>Steel Casement Window</b></p> <p>6mm thk. Glass Panel on Heavy duty Steel Casement Window Frame with complete locking devices and accessories.</p>	W2	4 sets	600mmW x 600mmH

XVI. Cement Plaster Finish

This Item shall consist of furnishing all cement plaster materials, labor, tools and equipment required in undertaking cement plaster finish as shown on the Plans and in accordance with this Specification.

1. Use Portland cement that conform to the requirements as defined in Item 700, Hydraulic Cement.
2. Fine aggregates shall be clean, washed, and free from dirt, clay, organic matter or other deleterious substances.
3. Finish coat shall be pure Portland Cement properly graded conforming to the requirements of Item 700, Hydraulic Cement and mixed with water to approved consistency and plasticity.
4. Surfaces to receive cement plaster shall be cleaned of all projections, dust, loose particles, grease and bond breakers. Before any application is commenced all surfaces that are to be plastered shall be wetted thoroughly with clean water to produce a uniformly moist condition.
5. Mortar mix shall be applied with sufficient pressure starting from the lower portion of the surface to fill the grooved and to prevent air pockets in the reinforced concrete/masonry work and avoid mortar mix drooping. It shall be lightly broomed/scratched before surface had properly set and allowed to cure.
6. Finish coat shall not be applied until after the initial coat has seasoned for seven days and corrective measures had been done by the Contractor on surfaces that are defective. Just before the application of the finish coat, the initial coat surface shall be evenly moistened with potable water. Finish coat shall be floated first to a true and even surface, then troweled in a manner that will force the mixture to penetrate into the brown coat. Surfaces applied with finish coat shall then be smooth with paper in a circular motion to remove trowel marks, checks and blemishes. All cement plaster finish shall be 16 mm thick minimum on vertical concrete and/or masonry walls.
7. Cement plaster shall not be applied directly to concrete or masonry surface that had been coated with bituminous compound and surfaces that had been painted and previously plastered.
8. Cement plaster finish shall be true to details and plumbed. Finish surface shall have no visible junction marks where one (1) day's work adjoins the other.
9. The contractor must provide competent person to execute the plastering works.

XVII.

Cement Floor Topping

This Item shall consist of furnishing all materials, labor, tools and equipment in undertaking cement floor finishing was shown on the Plans and in accordance with this specification.

1. Use Portland cement conforming to the DPWH requirement for Item 700, Hydraulic Cement.
2. Fine aggregates shall be clean, washed, and free from dirt, clay, organic matter or other deleterious substances.
3. Concrete topping materials shall be measured accurately. Mortar topping shall be Class A, one (1) part Portland cement and two (2) parts fine aggregate by loose volume.
4. Surface to receive mortar concrete topping shall be cleaned of all projections, dust, loose particles and other foreign matters. Finish elevation shall be established over the areas indicated on the Plans.
5. Before any mortar concrete topping is applied, the prepared concrete base surface shall first be wetted and grouted with Portland cement.
- a. Mortar topping shall have a minimum thickness of 25mm to be spread over the prepared concrete base and shall be float finished using wood hand trowel. Batches of mortar toppings shall be emplaced within one hour of mixing thereof.
- b. As soon as the water sheen has disappeared the surface shall be lightly scratched with a stiff bristle broom
- c. The finish topping mixture shall be spread over the lightly scratched surface before final set taken place and hand troweled to produce a smooth surface.
- d. The finished surface shall be free of trowel marks, have uniform texture and true to a plane within an allowable tolerance of 3 mm in 3.0 meters.

6. Cement floor finished surface shall be covered with appropriate covering to avoid injurious action by sun, rain, flowing water and mechanical injury.
7. Cement floor shall be finished level and true to finish elevation as shown on the Plans.
8. Finish topping shall have no visible junction marks where one (1) day's work adjoins the other.
9. Finish topping shall be properly graded to drain rainwater. Provide a minimum pitch of 1 on 100 satisfactorily drain rainwater freely into the drainage lines, gutters and downspouts.
10. All cement floor finish shall be measured in square meters or part thereof for work actually completed and accepted.

#### XVIII. Tile Works

This Item shall consist of furnishing and installing tiles, adhesive materials, tools and equipment including labor required in undertaking the proper installation of floor tiles at comfort rooms floors as shown on the Plans and in accordance with this Specification.

1. Trims are manufactured to match wall tile color, texture and to coordinate with it in dimension.
2. Accessories like some soap holders and shall be made wall mounted type with colors to reconcile with the color of the adjacent wall tiles.
3. Tile work shall not be started until roughing-ins for plumbing, electrical and other trades have been completed and tested. The work of all other trades shall be protected from damage.
4. Surface to receive tile must be level, true to elevation, dry, free from dirt, oil and other ointments. Allow at least seven days curing of scratch coat and setting bed.
5. Installation work shall not be allowed to proceed until unsatisfactory conditions are corrected.
6. Thoroughly dampen surfaces of masonry or concrete walls before scratch coat and/or tile adhesive is applied.
7. On masonry or concrete surface first apply a thin coat with pressure, then bring it out sufficiently to compensate for the major irregularities of the surface to a thickness not less than 10 mm. at any point.
8. Evenly rate scratch coat to provide good mechanical key before the mortar/ tile adhesive mix has fully hardened.
9. Use tile adhesive as prescribed by the tile manufacturer. No voids are allowed between tile adhesive and tiles before installation.
10. The tile setting shall be properly leveled.
11. Tile adhesive shall be applied to the surface with a notched trowel to a thickness of approximately 3-4 mm.
12. Tiles shall be pressed into the adhesive, tapped firmly into position, and cleaned as soon as the bedding is complete.
13. Grouting mortar shall be applied over the tile by float or squeegee stroked diagonally across the joints. Remove excess mortar with a wet squeegee stroked diagonally or in a circular motion after 12-15 minutes. Follow with a barely damp or dry sponge to remove the remaining haze while smoothing all grouted joints.
14. Finish tiled flooring shall be properly graded to drain rainwater. Provide a minimum pitch of 1 on 100 satisfactorily drain rainwater freely into the floor drain, drainage lines, gutters and downspouts.
15. Tile setting finish must be observed in proper setting, fit, and stable. Any improper setting shall be reworked/re-installed by the Contractor.
16. Clean tile surfaces thoroughly as possible upon completion of grouting. Remove all grout haze, observing tile manufacturers recommendations as to use of acid or chemical cleaners. Rinse tile thoroughly with clean water before and after using chemical cleaners. Polish surface of tile with soft cloth.

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**XIX. Granite Counter Top**

This Item shall consist of furnishing all waterproofing materials, labor, tools, equipment and other facilities and undertaking the proper installation works required as shown on the Plans and in accordance with this Specification.

- 17mm thk. – China Natural Granite Lavatory Counter Top, Manila White*
  - o Males & Females Comfort Room

**XX. Metal Works**

This Item shall consist of furnishing all materials, labor, tools and equipment required in undertaking all metal works which includes G.I pipe Railings and Meta window grills as shown on the Plans and in accordance with this Specification.

1. All materials to be incorporated in the metal works shall be of good quality. Before incorporation in work, all materials shall have been inspected/accepted by the Project Monitoring Committee.
2. G.I pipes, and other metallic structural materials either plain or fabricated shall be stored above the ground upon platforms, skids, or other supports. It shall be kept free from dirt, grease, or other foreign matter and shall be protected as far as practicable from corrosion.
3. The steel bars and other metallic structural materials shall be coated with red oxide primer (two coats) before installation or after welding works.
4. Workmanship and finish shall be per the best general practice. Portions of the work exposed to view shall be finished neatly. Shearing, flame-cutting, and chipping shall be done carefully and accurately.
5. No welding works shall be done on areas coated with paint.
6. Shop drawings shall be submitted by the Contractor for TPC approval before fabrication and installation.
7. Submission of shop drawings for evaluation/approval shall be submitted seven (7) days before fabrication and installation.
8. All materials for metal works to be used shall be brand new. Usage of scrap and tarnishing metals is strictly prohibited. The Contractor shall promptly remove and replace any scrap, old, and used materials installed on site.
9. Provide and install the following as specified (see details):

*XX.A. Metal Works (G.I. Pipe Railing)*

- a. The Contractor shall ensure that all materials to be used shall be in accordance with the required specifications:
  - 50mmØ G.I. Pipe, Schedule 40 Top Rail
  - 38mmØ G.I. Pipe, Schedule 40 Baluster / Vertical Support

*XX.B. Metal Works (Window Grills)*

- a. The Contractor shall ensure that all materials to be used shall be in accordance with the required specifications:
  - 10mm thk. Square Bar Grills for Main Frame and horizontal members
  - 4.5mm thk. Connector plate with 12mmØ Expansion Bolts
- b. This scope includes provision of Window Grills as listed below:

GENERAL SPECIFICATION	WINDOW TAG	NO. OF SET	TECHNICAL DIMENSION
<b>Window Grills</b>	G1	6 sets	1800mmW x 1720mmH

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## XXI. Cementitious Waterproofing Works

This Item shall consist of furnishing all waterproofing materials, labor, tools, equipment and other facilities and undertaking the proper installation works required as shown on the Plans and in accordance with this Specification.

1. Cement-base waterproofing powder mix shall be cement-base, aggregate type, heavy duty, water-proof coating for reinforced concrete surface and masonry exposed to water. When mixed with other ingredients are free flowing, water-proof coatings that possesses strength durability and density.
2. Water shall be clean, clear and potable.
3. Second Floor Shower Room & Comfort Room, Roof decks and parapet walls and other area indicated on the plans to be waterproof shall first be rendered with cement-based waterproofing before any type of waterproofing is applied.
4. Concrete surface to be applied with waterproofing shall be structurally sound, clean and free of dirt, loose mortar particles, paints films oil, protective coats, efflorescence laitance, etc.
5. All defects shall be properly corrected and carefully formed to provide a smooth surface that is free of marks and properly cured prior to application works.
6. Drainage connections and weep holes shall be set to permit the free flow of water.
7. Any expansion and contraction joints shall be cleaned, primed, fitted with a backing rod and caulked with sealant.
8. Prepared surfaces shall be cured and kept wet by sprinkling with water at regular intervals for a period of at least three days and allow surface to actually set within seven days.
9. Ensure that the prepared surface has completely set and all defects repaired.
10. Prior to application of membrane concrete surfaces should be sound and cured without the use of curing compound.
11. Application shall be done one direction strip to assure uniform thickness. Apply waterproofing membrane at shower rooms & comfort room second floor level and roof deck.
12. Allow primer to dry until it is ready to receive next coat or layer as specified in the manufacturing instructional manual.
13. After application, surface shall be uniformly smooth, free from irregularities folds and knots.
14. Where weather disturbance interrupts the work and exposing the membrane to moisture remove the layer exposed to moisture and repeat procedure until completion of the process.
15. Provide concrete cement topping of at least minimum 25mm thick on the membrane after five days where protective coatings have been applied.

## XXII. Self-Leveling Polyurethane Sealant

This Item shall consist of furnishing of Self-Leveling Polyurethane Sealant materials, labor, tools, equipment and other facilities and undertaking the proper installation works required as shown on the Plans and in accordance with this Specification.

1. This Item includes application of self-leveling polyurethane sealant with polyethylene foam backing rod to seal horizontal expansion joints in concrete and cementitious slabs at ground floor & second floor hallway & roof deck as per plan and specifications.

2. Proper surface preparation shall be observed. Joint walls must be sound, clean, dry, frost-free, and free of oil and grease. Curing compound residues and any other foreign matter must be thoroughly removed.
3. Install bond breaker tape or backer rod to prevent bond at base of joint and give the sealant the correct thickness. Backing rod diameter shall be approximately 20% - 30% larger than the joint width.
4. Concrete must be of good quality and strength prior to application.
5. Application method and tools shall be in accordance with the manufacturer's recommendation. Any improper setting shall be reworked/ reapplied by the Contractor.
6. Product limitation shall also be taken into consideration when applying per manufacturer's recommendation so as not to affect the ability of the sealant to gain proper adhesion.

### XXIII. Phenolic Toilet Partition

This Item shall consist of furnishing all phenolic toilet partition materials, labor, tools and equipment required in undertaking the toilet partition system as shown on the Plans and in accordance with this Specification.

1. For all assembly and fabrication works the cut ends shall be true and accurately jointed, free of burrs and rough edges. Cut-out recesses, mortising, grinding operation for hardware shall be accurately made and properly reinforced when necessary.
2. Upon delivery, phenolic boards and accessories shall be stored on a flat and stable surface to avoid cambers upon installation.
3. Provide and install 12mm thk. 5ft x 6ft - Neuform Compact Laminate Phenolic Board, color combination of Prussia Blue (NSD 2613) & Warm Grey (NSD 1562).
4. Provide stainless steel partition profile and accessories such as Top rail, h-profile, U profile and corner profile.
5. Provide partition accessories for such as adjustable foot and other accessories for every cubicle. See phenolic comfort room cubicles isometric details. All accessories shall be made of Stainless Steel.
6. Use proper profile fittings on all corners and edges of the partition system.
7. Use appropriate cutting equipment. Clearances in fitting phenolic boards shall be avoided.
8. Any improper work shall be reconstructed by the Contractor.
9. The Contractor shall assign well-versed personnel in the installation procedure of the phenolic toilet partition system.

## PART D. PLUMBING/ SANITARY WORKS

### XXIV. Plumbing & Sanitary Works

All works shall be done under the direct supervision of a licensed Master Plumber and in strict accordance with these specifications and of the methods as prescribed by the national Plumbing Code of the Philippines.

1. All Materials delivered on site shall be brand new and have an Approved Material Inspection Report from the Project Monitoring Committee.
2. Provide proper support and hangers for all pipes (see details on plan).
3. Complete water leak testing of plumbing works shall be done before closing or installation of ceiling panels.
4. Pipe sleeve shall not be located within the distance 2 times depth of beam from face of support.
5. Pipe fitters and Installers Shall have competency Certificate (NCII).
6. Provide proper pipe sleeves on all pipes crossing along Structural and Architectural members (see structural details and pipe sleeves details on plan).

7. Provide correctly located opening of proper sizes where required in walls and floors for pass of pipes.
8. Care shall be taken as not to weaken the structural integrity of the building.
9. Relocation or modification of pipes required proper execution and provide shop drawings approved by Monitoring/Planning Engineer.
10. All plumbing works shall be done by experienced plumber/pipe fitters/installers and shall be supervised by a duly Registered Master Plumber.

**XXIV.A. Cold Water Line Piping**

- a. All pipes and fittings shall be clean before joining.
- b. All cold waterline pipes and fittings shall be PPR-PN10 (Neltex).
- c. Use PPR fusing machine in joining pipes and fittings.
- d. Provide air chamber for each fixture.
- e. Provide heavy duty type brass Gate Valves, Stainless Steel flush valves for urinals, and Stainless-Steel angle valves for sanitary fixtures located as per plan.
- f. Connection of water supply from the campus main water line.
- g. Leak test shall be conducted before closing of pipes.



**XXIV.B. Plumbing & Sanitary Piping**

- a. All pipes and fittings shall be clean before joining.
- b. All PVC pipes and fittings shall be series 1000 (Moldex) it includes Waste Pipe, Soil Pipe, Vent Pipe and storm drains.
- c. Provide P-traps on lavatory and floor drains located as per plan.
- d. Provide cast iron cover for all floor cleanouts.
- e. All cleanouts shall be accessible for maintenance purposes.
- f. Storm drain pipe outlets shall be connected to nearest campus drainage.
- g. Vent stack thru roof pipe shall be extended 300mm to above roof level and provide insect screen. (see details)
- h. Provide pipe casing (plaster) for all riser down spouts and exposed pipes.


**XXIV.C. Plumbing Fixtures**

The following shall be provided and installed;

- a. Four (4) sets High-end Vessel Type Branded Lavatory w/ SS Chi Faucet (Complete W/ Accessories) - Round, White
- b. Ten (10) set High-end OSIRIS CS4025BC Coupled Water Closet Incl. Stainless Steel Handheld Bidet complete with accessories.
- c. Ten (10) sets Urinal including flush valve and Complete W/ Accessories.
- d. Twenty (20) sets Stainless Floor Drain.
- e. Four (4) sets Stainless Faucet.

SPECIFICATION	QTY/ LOCATION	FIXTURE
sets High-end Vessel Type Branded Lavatoryw/ SS Chi Faucet	4sets – Comfort rooms	
High-end OSIRIS CS4025BC Coupled Water Closet Handheld Bidet (Hygienic Spray)	10 sets-Comfort Rooms	

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Urinal	10-sets Comfort Rooms	
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#### XXIV.D. Septic Tank

- a. Construction of two (2) sets of septic tanks (3x1.8m) is included in scope of work (see detail).
- b. Use 4" Thick for septic tank walls and apply 20mm thick plastering for all internal surfaces.
- c. Septic tank outlet shall be connected to the nearest campus drainage.
- d. Provide solid vent pipe with vent cap extending 300 mm above top of mounds.
- e. Install cleanouts and extension from piping to cleanout at grade as indicated. Use 4-inch- (100-mm-) PVC pipe with threaded PVC cap.
- f. Apply cementitious waterproofing and 20mm plastering on inner faces and bottom floor of septic tanks.
- g. Perform testing of completed septic tank system piping and structures according to authorities having jurisdiction. Fill underground structures with water and let stand overnight. If water level recedes, locate and repair leaks and retest. Repeat tests and repairs until there is no leakage.

#### XXIV.E. Catch Basin

- a. Provide Thirty-one (10) sets of 0.60x0.60x0.695m catch basin with movable cover located as per plan (see detail).
- b. Use 4" thick Apply 12mm thick plastering on inner faces and exposed surfaces of catch basin.
- c. Storm drains shall be connected to nearest drainage with 1% slope.

## PART E. ELECTRICAL WORKS

### XXV. Electrical Works

All electrical works shall comply with the provisions of the Philippine Electrical Code (PEC) 2017 Edition with rules and regulations of the national and local authorities concerned in the enforcement of electrical laws and regulations of the utility companies concerned.

All electrical works shall be performed by a **Registered Master Electrician (RME)** or a non-licensed electrical practitioner under the immediate supervision of a **Registered Electrical Engineer (REE)**.

1. The scope of work covers furnishing of all materials, labor, equipment, accessories, and all necessary services to complete the electrical system of the project as per plan and specifications.
2. Items, materials, and equipment not specifically mentioned in this scope or drawing but are necessary and critical for safety and efficient operation of the entire electrical system shall be deemed as included within this scope and shall be provided by the Contractor.
3. All materials & equipment shall be brand new and approved type for the purpose and location.
4. Upon completion of all works, the Contractor shall apply for the permanent electrical service connection of the building. Any additional fees required shall be charged to the contractor.
5. The Contractor shall verify site conditions and dimensions before ordering equipment or performing work to avoid conflicts and ensure compatibility before installation.
6. All materials & equipment shall be installed as per manufacturer's specifications and instructions.

**XXX.A. Conduits, Boxes, Fittings & Accessories**

- a. Provision and installation of conduits, boxes, fittings and accessories.
- b. All conduits shall be embedded on concrete where possible.
- c. Conduits or raceways through which moisture may contact live parts shall be sealed or plugged at either or both ends.
- d. Provide end bells for 32mmØ and larger conduits terminating on panelboards, boxes and gutters.
- e. Provide long elbow for bends of conduit 32mmØ and larger.
- f. Provision and installation of boxes, fittings and accessories for all outlets, junction points and switch points.
- g. Additional pull boxes shall be provided, if necessary, to facilitate wire pulling and for maintenance purposes and shall be installed in an inconspicuous location.
- h. Pull boxes shall be accessible to the front.
- i. Pull boxes installed outdoor shall be NEMA 3R type.

**XXX.B. Wires & Wiring Devices**

- a. Provision and installation of electrical wirings such as, but not limited to, branch circuit conductors, switch wirings, feeder conductors, service entrance conductors, equipment grounding conductors as per plan.
- b. All conductors of the same circuit and, where used, the grounded conductor and all equipment grounding conductors and bonding conductors shall be contained within the same raceway, auxiliary gutter, cable tray, cable bus assembly, trench, cable, or cord.
- c. Provision and installation of wiring devices such as convenience outlets, special purpose outlets, switches and receptacles.
- d. Provide duplex convenience outlet for emergency lights.
- e. All convenience outlets shall be 3 prong, universal type with ground.

**XXX.C. Panelboard and Circuit Breakers**


Provision and installation of panelboard & transfer switch:

PANEL	CIRCUIT BREAKERS	ENCLOSURE / AUX.
MDP	Main: 1 – 100AT / 100AF, 2P, 240V 22KAIC bolt-on MCCB  Branches: 6 – 15AT / 100AF, 2P 240V 22KAIC bolt-on MCCB 6 – 20AT / 100AF, 2P 240V 22KAIC bolt-on MCCB 6 – 30AT / 100AF, 2P 240V 22KAIC bolt-on MCCB	NEMA 1 with push lock nameplate and directory holder
Manual Transfer Switch (MTS)	Main: 2 – 100AT / 100AF, 2P, 240V 22KAIC bolt-on MCCB with mechanical interlock	NEMA 1


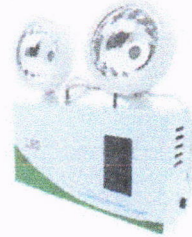
- a. Panelboard shall have a grounding terminal bus with terminal lugs.
- b. Use one brand of circuit breaker only all throughout.
- c. The contractor shall furnish specification / data sheet of panelboards.
- d. This scope also includes provision and installation of dedicated circuit breakers for ACU: 30AT, 2P, 240V, 60Hz MCCB in plastic enclosure.

**XXX.D. Lighting Fixtures**

- a. This Item includes provision and installation of all lighting fixtures with the following specifications

SPECIFICATION	LOCATION / AREA	Required Quantity	FIXTURE
LED Bulb 9W, 230V, 6500K daylight, 900lm E27 base	As per plan	17 sets	

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LED Bulb 19W 230V, 6500K daylight, 2300lm E27 base	As per plan	86 sets	
Twin head automatic emergency light, 2 x 1W LED, 230V, 6500K daylight	As per plan	6sets	

**XXX.E. Metering**

- a. Provision and installation of one (1) Single phase Electronic Kilowatt-hour meter c/w meter base, seal in NEMA 3R enclosure.

**XXX.F. Grounding System**

- a. Provision and installation of grounding system.
- b. The grounding electrode shall be Copper bonded steel rod 20mmØ x 3m. The ground rod shall be flushed underground with a vertical orientation. Use clamp suitable for direct burial.
- c. Ground resistance shall not exceed 25ohms. A single ground rod that does not have a resistance to ground of 25 ohms or less shall be augmented by one additional rod. Where multiple rods are installed to meet the requirements of the code (PEC), they shall not be less than 1.8m apart.
- d. Non-current-carrying conductive materials enclosing electrical conductors or equipment, or forming part of such equipment shall be grounded.
- e. Grounding conductors and bonding jumpers shall be connected by listed pressure connectors or listed clamps. Connection devices or fittings that depend solely on solder shall not be used. Sheet metal screws shall not be used to connect grounding conductors or connection devices to enclosures.
- f. Ground clamps or other fittings shall be protected from physical damage.



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## GENERAL NOTES

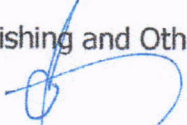
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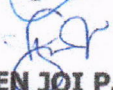
1. The Contractor shall provide all labor, material tools, equipment, supervision, and other related items required to complete the project as per the scope of works and specifications. Contractors are advised to visit the site, verify the existing site conditions to develop their proposal.
2. Site inspection shall be conducted by the PMC and TPC together with a representative from the Contractor to determine the exact measurement and actual site conditions.
3. All Materials delivered on-site shall have an Approved Material Inspection Report from the Project Monitoring Committee.
4. The whole project shall be completed within 90 calendar days.
5. Construction activities especially for structural items are scheduled simultaneously/ parallel for the Grandstand and Connecting Structure.
6. An area to be used as storage for construction materials will be designated by the IU.
7. Water and electricity to be used during the construction will be charged to the Contractor.
8. Workers shall follow IU rules and regulations like wearing of ID's, No Smoking, etc.
9. Workers will be allowed to use a specified comfort room.
10. The Contractor shall coordinate with the TPC with regards to documents required for building permit applications.
11. If the Contractor determines that some portion of the drawing, specification, or contract document requires clarification or interpretation by the agency, the Contractor shall initiate and submit formally a written Request for Information (RFI).
12. In case there is a variation, a letter of justification with full and detailed particulars to support claims for change order shall be provided by the Contractor to the recommending unit to the PMC and TPC for evaluation and recommendation before its implementation.
13. In case of changes in the plans, additional works shall be charged to the Overhead, Contingencies, & Miscellaneous (OCM) of the project per Contractor's original bid and incur no additional cost to the project if the computed cost is within the OCM since OCM's are included in the project estimate to cover any unforeseen expenses and unknown issues during construction.
14. Shop drawings shall be submitted by the Contractor to the PMC for approval before implementation specifically structural details installation and fabrication.
15. The Contractor shall notify the PMC during every material delivery for inspection. Relatively, a Material Inspection Report shall be submitted by the Contractor to the PMC.
16. Reinforcing Steel Bars shall bear company markings, with the attached mill certificate for yield strength verification.
17. The Contractor shall furnish copies of the results of the testing of materials (for concrete design mix and RSB) to the TPC and PMC for approval and proper documentation before the concrete pouring request.
18. A concrete design mix shall be submitted by the Contractor to the TPC and PMC for approval before the concrete pouring request.
19. The Contractor shall provide a rebar cutting list for TPC approval before fabrication/ installation.
20. An approved form closure requests with an affixed signature of the implementing unit (PMC) must be submitted by the Contractor at least a day before the closure of forms in preparation for concrete pouring.
21. An approved concrete pouring requests with an affixed signature of the implementing unit (PMC) must be submitted by the Contractor at least a day before concrete pouring.
22. Proper plumbness of Column Reinforcement assemblies and Column forms shall be observed before closure of forms and concrete pouring
23. All lumber shall conform with the specifications required by the IU.
24. All Electrical works shall be done under the supervision of a Professional Electrical Engineer, Registered Electrical Engineer, or Registered Master Electrician.
25. All Plumbing works shall be done under the supervision of a Registered Master Plumber.

26. The Contractor shall verify the design and specifications of any furniture, fixtures, and the likes, as well as the equipment and appliances before procurement.
27. Removed/recovered materials that can be utilized should be turned over to IU.
28. If the Contractor does not have an employed certified installer, he shall submit to the Agency thru PMC an agreement with the supplier and its certified installer which will deliver and/or perform special services, equipment, and other appurtenances for special items.
29. If in case the Contractor requests additional/ extra copies of plans and/or plans for building permit application, they shall pay a printing fee per sheet of A3 sized paper scheduled as follows; 10.00php for black and white and 20.00php for colored. All transactions shall be paid through the cashiering services.
30. The Contractor is required to submit weekly report and monthly report to the IU through the PMC on mutually agreed format for monitoring the progress work. These reports shall include periodic update of figures and data of actual accomplishment of the project together with other supporting documents (i.e. equipment and workforce, utilization chart, weather chart, PERT/CPM, etc.)


Prepared By:

Structural, Finishing and Other Civil Works

  
**Engr. MARLO G. PANTI**  
Engineer I

  
**Engr. KAREN JOI P. BEO**  
Administrative Assistant VI

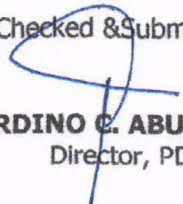
Plumbing & Sanitary Works

  
**Engr. NORMAN Z. MATIENZO**  
Engineer I

Electrical Works

  
**Engr. MARVIN RAY R. VARGAS**  
Engineer I

Checked & Submitted By:

  
**BERNARDINO C. ABUNDO JR., Ph.D.**  
Director, PDISS



***Section VII. Drawings***  
*[in a separate folder]*

GP

## ***Section VIII. Bill of Quantities***

GP

Name of Project: **COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER  
(GRANDSTAND BUILDING B)**

Location of Project: **Catanduanes State University, Virac, Catanduanes**

### Bill of Quantities

Item No.	Description of Work to Be Done	Unit	Quantity	Unit Price (pesos)	Amount (Pesos)
<b>PART I</b>	<b>FACILITIES FOR THE ENGINEER</b>				
I	Provision of Field Office/Laboratory for the Engineers, including Equipment and Other Utilities	l.s.	1.00		
<b>PART II</b>	<b>OTHER GENERAL REQUIREMENTS</b>				
II	Project Billboard	pc	1.00		
III	Occupational Safety and Health	l.s.	1.00		
IV	Permits, Fees and Clearances	l.s.	1.00		
V	Mobilization/Demobilization	l.s.	1.00		
<b>PART III</b>	<b>CIVIL, MECHANICAL, ELECTRICAL, &amp; PLUMBING/SANITARY WORKS</b>				
<b>Part A</b>	<b>EARTHWORKS</b>				
VI	Clearing and Grubbing	l.s.	1.00		
VII	Structure Excavation	cu.m.	158.01		
VIII	Embankment (Incl. Backfilling & Gravel Bedding)	cu.m.	1,013.34		
IX	Soil Poisoning	sq.m.	540.00		
<b>Part B</b>	<b>PLAIN AND REINFORCED CONCRETE WORKS</b>				
X	Forms and Falseworks	l.s.	1.00		
XI	Reinforcing Steel Bars	kgs.	60,401.74		
XII	Structural Concrete	cu.m.	478.63		
<b>Part C</b>	<b>ARCHITECTURAL FINISHES &amp; OTHER CIVIL WORKS</b>				
XIII	Masonry Works				
XIII.A	5" Thk Masonry Wall (incl Reinforcing Steel Bars)	sq.m.	294.84		
XIII.B	5" Thk Masonry Wall (incl Reinforcing Steel Bars)	sq.m.	62.68		
XIV	Doors				
XIV.A	Panel Doors	sq.m.	13.23		
XIV.B	Hollow Core Doors	sq.m.	6.72		
XV	Windows				
XV.A	Aluminum Windows	sq.m.	18.36		
XV.B	Steel Casement Window	sq.m.	1.44		
XVI	Cement Plaster Finish	sq.m.	592.92		
XVII	Cement Floor Topping	sq.m.	1,038.40		
XVIII	Tile Works	sq.m.	40.80		
XIX	Granite Counter Top	sq.m.	19.36		
XX	Metal Works				
XX.A	G.I. Pipe Railings	l.s.	1.00		
XX.B	Window Grills	sq.m.	18.58		
XXI	Cementitious Waterproofing Works	sq.m.	575.20		
XXII	Self-Leveling Polyurethane Sealant	l.s.	1.00		
XXIII	Phenolic Toilet Partition	l.s.	1.00		
<b>Part D</b>	<b>PLUMBING &amp; SANITARY WORKS</b>				
XXIV	Plumbing and Sanitary Works				
XXIV.A	Cold Water Line Piping	l.s.	1.00		
XXIV.B	Plumbing/Sanitary Piping	l.s.	1.00		
XXIV.C	Plumbing Fixtures	l.s.	1.00		
XXIV.D	Septic Tank	set	2.00		
XXIV.E	Catch Basin	l.s.	1.00		

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<b>Part E</b>	<b>ELECTRICAL WORKS</b>				
<b>XXV</b>	Electrical Works				
XXV.A	Conduit, Boxes, Fittings & Accessories	I.s.	1.00		
XXV.B	Wires & Wiring Devices	I.s.	1.00		
XXV.C	Panel Board & Circuit Breaker	I.s.	1.00		
XXV.D	Lighting Fixtures	I.s.	1.00		
XXV.E	Metering	I.s.	1.00		
XXV.F	Grounding	I.s.	1.00		
				<b>Total</b>	

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**Signature**

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**in the capacity of**

**Duly authorized to sign the Bid and on behalf of** \_\_\_\_\_



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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes  
 ITEM No. I  
 DESCRIPTION: Provision of Field Office/ Lab for the Engineers, including Equipments and other Utilities  
 TOTAL QUANTITY: 1.00 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>SITE OFFICE/LABORATORY FOR THE ENGINEER INCLUDING TOILET AND TEMPORARY BARRICADES</b>				
	Civil Works	I.s	1.00		
	Electrical Works	I.s	1.00		
	Plumbing Works (including 1.20mW x 1.50L x 0.80H Septic Tank)	I.s	1.00		
	<b>LABORATORY EQUIPMENT &amp; INSTRUMENTS FOR MATERIALS TESTING</b>				
	Slump Test Apparatus with testing rod & base plate	set	1.00		
	Concrete Cylinder Mold, Cast Iron, Split lengthwise Ø150mm x 300mmH	set	3.00		
	<b>UTILITIES AND SERVICES (power supply, potable water, etc.)</b>				
		I.s	1.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)		
E	Overhead, Contingencies & Misc. (OCM)	% of D		
F	Contractor's Profit	% of D		
G	VAT	% (D + E + F)		
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>		

I.	<b>TOTAL UNIT COST</b>	(H / Total Qty) —		
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes  
 ITEM No. II  
 DESCRIPTION: PROJECT BILLBOARD  
 TOTAL QUANTITY: 1.00  
 UNIT: piece

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	Tarpaulin (8'x 4')	lumpsum	1.00		
	2" x 2" x 10' Coko Lumber (braces and frames)	bd-ft	20.00		
	Assorted CW Nails	kgs	1.00		
	1/4" thk. 4' x 8' Marine Plywood, Class A	pcs	1.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	
I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ---</b>	

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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)

LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. III

DESCRIPTION: OCCUPATIONAL SAFETY AND HEALTH

TOTAL QUANTITY: 1.00

UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Safety Officer (Full Time)				
	Health Personnel (Full Time First Aider)				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Rental Basis of the ff:				
	Thermal Scanner (w/ rechargeable battery)				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	<b>A. Personal Protective Equipment (PPE)</b>				
	Safety Helmet	man-days	540.00		
	Safety Shoes	man-days	529.00		
	Safety Gloves	man-days	540.00		
	Safety Vest	man-days	540.00		
	Rain Coats	man-days	281.00		
	Dust Mask	man-days	540.00		
	Eye Goggles	man-days	540.00		
	Ear Muff	man-days	11.00		
	Body Harness & Lanyard	man-days	119.00		
	Rubber Boots	man-days	92.00		
	<b>B. Antiseptics and Disinfectant</b>				
	Sanitizing Solution	lit	25.00		
	Ethyl Alcohol, 70%	lit	5.00		
	Liquid Hand Soap	lit	4.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. IV  
 DESCRIPTION: PERMITS, FEES, AND CLEARANCES  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
Sub-Total for A (Cost of Labor)					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
Sub-Total for B (Cost of Equipment Rental)					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Materials				
	Building Permit Processing Fee, Zoning Clearance Fee, Payment for Signing Engineers, Fire Protection Certificate, Occupancy Permit Fee	lumpsum	1.00		
	Material Testing Fee	lumpsum	1.00		
	Permanent Electrical Service Connection Processing Fee	lumpsum	1.00		
Sub-Total for C (Material Cost)					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) —	
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes  
 ITEM No. V  
 DESCRIPTION: MOBILIZATION/ DEMOBILIZATION  
 TOTAL QUANTITY: 1.00  
 UNIT: lumpsum

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Sub-Total for A (Cost of Labor)				

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Sub-Total for B (Cost of Equipment Rental)				

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	Mobilization/ Demobilization	lumpsum	1.00		
	Sub-Total for C (Material Cost)				

D	Direct Unit Cost	(A + B + C)			
E	Overhead, Contingencies & Misc. (OCM)	___ % of D			
F	Contractor's Profit	___ % of D			
G	VAT	___ % (D + E + F)			
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>			

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>			
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes  
 ITEM No. VI  
 DESCRIPTION: CLEARING AND GRUBBING  
 TOTAL QUANTITY: 1.00  
 UNIT: l.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Various Minor Handtools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Materials				
<b>Sub-Total for C (Material Cost)</b>					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	TOTAL UNIT COST	(H / Total Qty) ---	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. VII  
DESCRIPTION: STRUCTURE EXCAVATION  
TOTAL QUANTITY: 158.01  
UNIT: cu.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Various Handtools (5% Labor Cost)				
	Backhoe Crawler, 1.09 cu.m. EL 200B				
	Submersible Waterpump (for foundation)				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Materials				
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) ___	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. VIII  
 DESCRIPTION: EMBANKMENT(Incl. Backfilling & Gravel Bedding)  
 TOTAL QUANTITY: 1013.34  
 UNIT: cu.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Various Handtools (5% Labor Cost)				
	Backhoe Crawler, 1.09 cu.m. EL 200B				
	Vibratory Plate Compactor (550-700)				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Materials				
	Borrow Material	cu.m	510.18		
	Gravel Bedding @ Wall Footing ,S.O.G.	cu.m	54.12		
<b>Sub-Total for C (Material Cost)</b>					-

<b>D</b>	Direct Unit Cost	(A + B + C)	
<b>E</b>	Overhead, Contingencies & Misc. (OCM)	___% of D	
<b>F</b>	Contractor's Profit	___% of D	
<b>G</b>	VAT	___% (D + E + F)	
<b>H</b>	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

<b>I</b>	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

**PROJECT NAME:** COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
**LOCATION:** CatSU Main Campus, Virac, Catanduanes

**ITEM No.** IX  
**DESCRIPTION:** SOIL POISONING  
**TOTAL QUANTITY:** 540.00  
**UNIT:** sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Various Handtools (5% Labor Cost)				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Materials				
	Termite Control Chemical/Toxicant	lit	43.00		
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

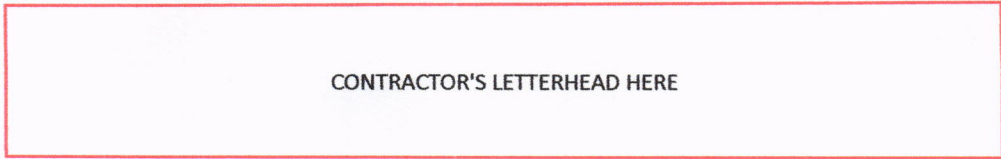
I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. X  
 DESCRIPTION: FORMS AND FALSEWORKS  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount	
	Installation					
	Construction Foreman					
	Skilled Laborer					
	Common Laborer					
	Stripping					
	Construction Foreman					
	Skilled Laborer					
	Common Laborer					
	<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount	
	Various Minor Tools (10% of Labor Cost)					
	<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	2" x 3" Coco Form Lumber	bd.ft	3316.1260		
	2" x 2" Coco Form Lumber	bd.ft	2185.8333		
	3/4" thk. 4' x 8' Phenolic Board - 3 uses	pcs	375.00		
	Formed Oil	lit	131.00		
	Asstd. Common Wire Nails	kgs	110.451		
	<b>Scaffoldings and Formworks Rental</b>				
	H-Frame 1.7m x 1.2m, set	lumpsum	1.00		
	2 pcs H-Frames				
	4 pcs diagonal cross braces				
	4 pcs hoizontal braces				
	8 pcs joint pins				
	Shoring Jack, 3.8 m Full extension				
	Adjustable U-Head Jack, 0.6m				
	Adjustable Base Jack, 0.6m				
	1-1/2" GI Pipe x 6.0m				
	1-1/2" GI Pipe x 3.0m				
	1-1/2" GI Pipe x 4.0m				
	1-1/2" GI Pipe x 1.0m				
	Tie Rod x 0.6m				

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## BREAKDOWN OF DETAILED ESTIMATE

**PROJECT NAME:** COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
**LOCATION:** CatSU Main Campus, Virac, Catanduanes

**ITEM No.** X  
**DESCRIPTION:** FORMS AND FALSEWORKS  
**TOTAL QUANTITY:** 1.00  
**UNIT:** l.s.

	Round Wing Nut				
<b>Sub-Total for C (Material Cost)</b>					-

<b>D</b>	Direct Unit Cost	(A + B + C)	
<b>E</b>	Overhead, Contingencies & Misc. (OCM)	___ % of D	
<b>F</b>	Contractor's Profit	___ % of D	
<b>G</b>	VAT	___ % (D + E + F)	
<b>H</b>	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

<b>I</b>	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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## BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)

LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XI

DESCRIPTION: REINFORCING STEEL BARS

TOTAL QUANTITY: 60,401.74

UNIT: kgs.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Bar Cutter				
	Bar Bender 42mm				
	Submersible Waterpump (for foundation)				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	<b>1. Slab On Ground Level, perimeter main entrance slab w/ stairs &amp; Ramp, and Concrete Countertop</b>				
	160 - 10mmØ x 9.0m RSB Grade 40	kgs	888.00		
	280 - 10mmØ x 6.0m RSB Grade 40	kgs	1,036.00		
	# 16 G.I. Tie Wire	kgs	26.00		
	<b>2. Foundation (F1 = 1 set; F2 = 7 sets; F3 = 2 sets; F4 = 7 sets; F7 = 1 set)</b>				
	7 - 20mmØ x 9.0m RSB Grade 40	kgs	155.61		
	7 - 20mmØ x 7.50m RSB Grade 40	kgs	129.71		
	140 - 20mmØ x 6.00m RSB Grade 40	kgs	2072.00		
	# 16 G.I. Tie Wire	kgs	34.00		
	<b>3. Grade Beams</b>				
	42 - 20mmØ x 7.5m RSB Grade 40	kgs	778.26		
	35 - 20mmØ x 6.0m RSB Grade 40	kgs	518.00		
	48 - 16mmØ x 9.0m RSB Grade 40	kgs	682.56		
	82 - 16mmØ x 7.5m RSB Grade 40	kgs	971.70		
	43 - 16mmØ x 6.0m RSB Grade 40	kgs	407.64		
	305 - 10mmØ x 6.0m RSB Grade 40	kgs	1128.50		



## BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XI  
 DESCRIPTION: REINFORCING STEEL BARS  
 TOTAL QUANTITY: 60,401.74  
 UNIT: kgs.

# 16 G.I. Tie Wire	kgs	110.00	
<b>4. Second Floor beams, Bleachers Beams &amp; Girders, Slab, Zocallo Lower and Rear Canopies, Drop walls</b>			
49 - 25mmØ x 9.0m RSB Grade 40	kgs	1699.32	
11 - 25mmØ x 7.5m RSB Grade 40	kgs	317.90	
7 - 25mmØ x 6.0m RSB Grade 40	kgs	161.84	
84 - 20mmØ x 9.0m RSB Grade 40	kgs	1867.32	
36 - 20mmØ x 7.5m RSB Grade 40	kgs	667.08	
20 - 20mmØ x 6.0m RSB Grade 40	kgs	296.00	
182 - 16mmØ x 9.0m RSB Grade 40	kgs	2588.04	
173 - 16mmØ x 7.5m RSB Grade 40	kgs	2050.05	
79 - 16mmØ x 6.0m RSB Grade 40	kgs	748.92	
22 - 12mmØ x 6.0m RSB Grade 40	kgs	117.48	
326 - 10mmØ x 7.5m RSB Grade 40	kgs	1515.90	
2720 - 10mmØ x 6.0m RSB Grade 40	kgs	10064.00	
# 16 G.I. Tie Wire	kgs	385.00	
<b>5. Columns</b>			
<b>Casted Column (from foundation up to bottom of grade beam)</b>			
C1 = 12 sets			
C5 = 1 set			
<b>Remaining balance of Reinforcement to be install</b>			
24 - 20mmØ x 9.0m RSB Grade 40	kgs	533.52	
10 - 20mmØ x 7.5m RSB Grade 40	kgs	185.30	
21 - 20mmØ x 6.0m RSB Grade 40	kgs	310.80	
300 - 10mmØ x 6.0m RSB Grade 40	kgs	1110.00	
# 16 G.I. Tie Wire	kgs	57.00	
<b>Not Casted Column</b>			
C1 = 3 sets			
C2 = 7 sets			
C3 = 2 sets			
C4 = 7 sets			
<b>Reinforcement</b>			
157 - 20mmØ x 9.0m RSB Grade 40	kgs	3490.11	
81 - 20mmØ x 7.5m RSB Grade 40	kgs	1500.93	
124 - 20mmØ x 6.0m RSB Grade 40	kgs	1835.20	
980 - 10mmØ x 6.0m RSB Grade 40	kgs	3626.00	
# 16 G.I. Tie Wire	kgs	170.00	
<b>6. Roof Beams and Girders</b>			
12 - 25mmØ x 9.0m RSB Grade 40	kgs	416.16	
43 - 20mmØ x 9.0m RSB Grade 40	kgs	955.89	
73 - 20mmØ x 7.5m RSB Grade 40	kgs	1352.69	
74 - 20mmØ x 6.0m RSB Grade 40	kgs	1095.20	
72 - 16mmØ x 9.0m RSB Grade 40	kgs	1023.84	
53 - 16mmØ x 7.5m RSB Grade 40	kgs	628.05	
46 - 16mmØ x 6.0m RSB Grade 40	kgs	436.08	

## BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)

LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XI  
 DESCRIPTION: REINFORCING STEEL BARS  
 TOTAL QUANTITY: 60,401.74  
 UNIT: kgs.

509	- 10mmØ x 6.0m RSB Grade 40	kgs	1883.30	
	# 16 G.I. Tie Wire	kgs	163.00	
<b>7. Roof Deck Slab, Canopy @ front and Drop wall</b>				
433	- 10mmØ x 9.0m RSB Grade 40	kgs	2403.15	
893	- 10mmØ x 7.5m RSB Grade 40	kgs	4152.45	
371	- 10mmØ x 6.0m RSB Grade 40	kgs	1372.70	
	# 16 G.I. Tie Wire	kgs	175.00	
<b>8. Retaining Wall + Footing (RW-1)</b>				
185	- 12mmØ x 9.0m RSB Grade 40	kgs	1483.70	
61	- 12mmØ x 6.0m RSB Grade 40	kgs	325.74	
280	- 10mmØ x 6.0m RSB Grade 40	kgs	1036.00	
	# 16 G.I. Tie Wire	kgs	40.00	
<b>9. Wall footing (WF-2)</b>				
72	- 10mmØ x 6.0m RSB Grade 40	kgs	266.40	
	# 16 G.I. Tie Wire	kgs	7.00	
<b>10. Concrete Fascia</b>				
28	- 16mmØ x 6.0m RSB Grade 40	kgs	265.44	
35	- 10mmØ x 6.0m RSB Grade 41	kgs	129.50	
	# 16 G.I. Tie Wire	kgs	7.00	
			<b>Sub-Total for C (Material Cost)</b>	-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

**PROJECT NAME:** COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
**LOCATION:** CatSU Main Campus, Virac, Catanduanes

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**ITEM No.** XII  
**DESCRIPTION:** STRUCTURAL CONCRETE  
**TOTAL QUANTITY:** 478.63  
**UNIT:** cu.m

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	One Bagger Mixer				
	Transit Mixer, 5 - 6 yd <sup>3</sup>				
	Porta Lift				
	Concrete Vibrator				
	Submersible Waterpump (for foundation)				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	<b>1. Foundation</b>				
	Portland Cement	bags	290.00		
	Washed Aggregates	cu.m	16.10		
	Crushed Gravel	cu.m	32.2		
	<b>2. Column</b>				
	Portland Cement	bags	396.00		
	Washed Aggregates	cu.m	22.00		
	Crushed Gravel	cu.m	44.00		
	<b>3. Ground Beam &amp; Girder</b>				
	Portland Cement	bags	603.00		
	Washed Aggregates	cu.m	33.49		
	Crushed Gravel	cu.m	66.97		
	<b>4. Slab On Ground Level, perimeter main entrance slab w/ stairs and Ramp</b>				
	Portland Cement	bags	608.00		
	Washed Aggregates	cu.m	33.75		
	Crushed Gravel	cu.m	67.50		
	<b>5. 2nd Flr. Beams, Girders, Bleacher, Canopy slab, Drop wall &amp; Concrete Facia</b>				
	Portland Cement	bags	1409.00		
	Washed Aggregates	cu.m	78.24		
	Crushed Gravel	cu.m	156.47		

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## BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)

LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XII

DESCRIPTION: STRUCTURAL CONCRETE

TOTAL QUANTITY: 478.63

UNIT: cu.m

<b>6. Roof Beams, Girders &amp; Concrete Facia</b>			
Portland Cement	bags	429.00	
Washed Aggregates	cu.m	23.81	
Crushed Gravel	cu.m	47.62	
<b>7. Roof Deck Slab, Canopy Slab &amp; Drop Wall</b>			
Portland Cement	bags	616.00	
Washed Aggregates	cu.m	34.18	
Crushed Gravel	cu.m	68.35	
<b>8. Retaining Wall (RW-1)</b>			
Portland Cement	bags	502.00	
Washed Aggregates	cu.m	27.85	
Crushed Gravel	cu.m	55.70	
<b>9. Wall Footing (WF-2)</b>			
Portland Cement	bags	66.00	
Washed Aggregates	cu.m	3.66	
Crushed Gravel	cu.m	7.31	
<b>10. Lavatory Concrete Counter</b>			
Portland Cement	bags	2.00	
Washed Aggregates	cu.m	0.07	
Crushed Gravel	cu.m	0.132	
<b>Sub-Total for C (Material Cost)</b>			-

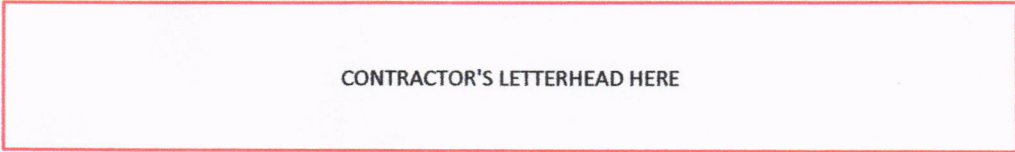
D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XIII.A  
DESCRIPTION: 5" THK MASONRY WALL (INCL. REINFORCING STEEL BARS)  
TOTAL QUANTITY: 294.84  
UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	<b>EXTERIOR CHB WALLS</b>				
	5" thk CHB	pcs	3723.00		
	Portland Cement	bags	230.00		
	Fine Aggregates	cu.m	19.04		
	10mmØ RSB Grade 40	kgs	628.02		
	# 16 G.I Tie Wire	kgs	10.00		
<b>Sub-Total for C (Material Cost)</b>					

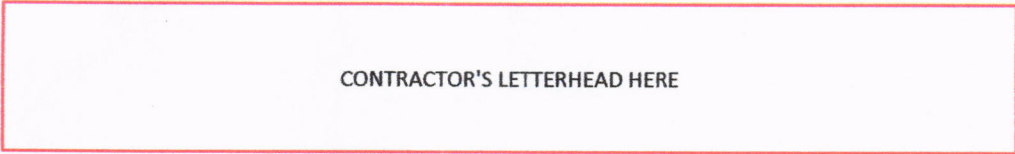
D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

**PROJECT NAME:** COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
**LOCATION:** CatSU Main Campus, Virac, Catanduanes

**ITEM No.** XIII.B  
**DESCRIPTION:** 4" THK. MASONRY WALL (INCL REINFORCING STEEL BARS)  
**TOTAL QUANTITY:** 62.68  
**UNIT:** sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	<b>INTERIOR CHB WALLS</b>				
	4" thk CHB	pcs	792.00		
	Portland Cement	bags	34.00		
	Fine Aggregates	cu.m	2.75		
	10mmØ RSB Grade 40	kgs	133.51		
	# 16 G.I Tie Wire	kgs	3.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XIV.A  
DESCRIPTION: PANEL DOORS  
TOTAL QUANTITY: 13.23  
UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification		Unit	Quantity	Unit Cost	Amount
	Description					
	<b>Doors</b>					
	D1 - (0.90mWx2.10mH) Lauan Panel Door with 0.35mH Fixed Clear Glass Transom on 50x150mm thk. On kiln dried Lauan wooden Jamb Amerilock Cylindrical Door Knob; HD Barrel Lock and complete hardware accessories (Note: Use Kiln Dried Lauan Wood or equivalent)		set	6.00		
<b>Sub-Total for C (Material Cost)</b>						

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___% of D	
F	Contractor's Profit	___% of D	
G	VAT	___% (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) -----</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

**PROJECT NAME:** COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
**LOCATION:** CatSU Main Campus, Virac, Catanduanes

**ITEM No.:** XIV.B  
**DESCRIPTION:** HOLLOW CORE DOORS  
**TOTAL QUANTITY:** 6.72  
**UNIT:** sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Description</b>				
	<b>Doors</b>				
	D2 - (0.80x2.10m) Hollow Core Flush Type Door in 50x150mm thk. Kiln DriedLauan wooden Jamb with 1/2" thk Marine Plywood on both faces with Stainless Steel Amerilock Cylindrical Door Knob; and complete hardware accessories (Note: Use Kiln Dried Lauan Wood or equivalent)	set	6.00		
<b>Sub-Total for C (Material Cost)</b>					

<b>D</b>	Direct Unit Cost	(A + B + C)	
<b>E</b>	Overhead, Contingencies & Misc. (OCM)	___ % of D	
<b>F</b>	Contractor's Profit	___ % of D	
<b>G</b>	VAT	___ % (D + E + F)	
<b>H</b>	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

<b>I</b>	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) -----</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XV.A  
 DESCRIPTION: ALUMINUM WINDOWS  
 TOTAL QUANTITY: 18.36  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Description</b>				
	W1 - (1.70mW x 1.8mH) Powder coated aluminum frame/ Sliding Window complete with Locking Devices and accessories	sets	6.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XV.B  
DESCRIPTION: STEEL CASEMENT WINDOW  
TOTAL QUANTITY: 1.44  
UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	<b>W2</b> -(0.60 x 0.60m) Steel Casement Type Windows complete with locking devices and accessories	sets	4.00		
<b>Sub-Total for C (Material Cost)</b>					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

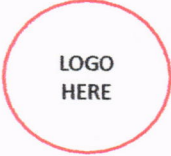
I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XVI  
 DESCRIPTION: CEMENT PLASTER FINISH  
 TOTAL QUANTITY: 592.92  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Minor Tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	<b>Plastering Works on Masonry Walls (Class A Mixture)</b>				
	Portland Cement	bags	130.00		
	Fine Aggregates	cu.m	7.11		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ---</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XVII  
 DESCRIPTION: CEMENT FLOOR TOPPING  
 TOTAL QUANTITY: 1038.40  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification		Unit	Quantity	Unit Cost	Amount
	Description					
	<b>GROUND FLOOR &amp; BLEACHER</b>					
	25mm thk. FLOOR TOPPING					
	Floor Area Cover =	1038.4 sqm				
	Portland Cement		bags	312.00		
	Fine Aggregates		cu.m	26.00		
<b>Sub-Total for C (Material Cost)</b>						-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ---</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XVIII  
 DESCRIPTION: TILE WORKS  
 TOTAL QUANTITY: 40.80  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

E. Direct Unit Cost (C + D)

F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>FLOOR TILES (Comfort Rooms)</b>				
	Surface Area Cover (sqm) = 40.8				
	60x60 Porcelain Tiles (Rodano RT 002, Dark Grey, Anti-slip)	pcs	114.00		
	Tile, Mariwasa				
	Tile Adhesive (25 kgs.)	bag	8.00		
	Portland Cement	bag	28.00		
	Fine Aggregates	cum	1.55		
	Tile Grout	kgs	4.12		
	Tile Spacer (3mm)	pcs	20.00		
<b>Sub-Total for C (Material Cost)</b>					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	(H / Total Qty) _____	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XIX  
 DESCRIPTION: GRANITE COUNTER TOP  
 TOTAL QUANTITY: 19.36  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

E. Direct Unit Cost (C ÷ D)

F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<u>Lavatory Counter Top @ Comfort Rooms</u>				
	17mm thk. China Natural Granite Slab, Manila White (1100mmx1100mm)	pcs	4.00		
	Tile Adhesive	bag	4.00		
	Portland Cement	bag	13.00		
	Sand	cum.	0.74		
<b>Sub-Total for C (Material Cost)</b>					-

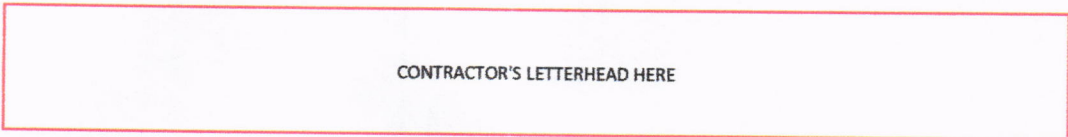
D	Direct Unit Cost		(A + B + C)		
E	Overhead, Contingencies & Misc. (OCM)		___% of D		
F	Contractor's Profit		___% of D		
G	VAT		___% (D + E + F)		
H	<b>ITEM TOTAL</b>		<b>(D + E + F + G)</b>		
I	<b>TOTAL UNIT COST</b>		<b>(H / Total Qty) _____</b>		

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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XX.A  
 DESCRIPTION: G.I. PIPE RAILINGS  
 TOTAL QUANTITY: 1.00  
 UNIT: L.S.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
	Welding Machine (Electric Driven/ DC Output)				
	Standby Generator Set, 301 -350 kW				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>F.1 Railing @ Ramp &amp; Lower Floor Level</b>				
	$L_{TOTAL} = 65.67 \text{ m}$				
	50 mmØ x 6.0m G.I. Pipe, Schd. 40 Top Rail	pcs.	11.00		
	38 mmØ x 6.0m G.I. Pipe, Schd. 40 Vertical Support	pcs.	17.00		
	38 mmØ x 6.0m G.I. Pipe Intermediate handrail	pcs.	11.00		
	50mm x 6.0m Flat Bar	pcs.	1.00		
	10mmØ x 6.0m Dowel Bar	kgs	36.98		
	<b>F.2 Handrail @ Upper Floor Level</b>				
	$L_{TOTAL} = 63.365 \text{ m}$				
	50 mmØ x 6.0m G.I. Pipe, Schd. 40 Top Rail	pcs.	11.00		
	38 mmØ x 6.0m G.I. Pipe, Schd. 40 Vertical Support	pcs.	5.00		
	10mmØ x 6.0m Dowel Bar	kgs	33.31		
	<b>F.3 Railing @ Stage Floor Level</b>				
	$L_{TOTAL} = 35.46 \text{ m}$				
	50 mmØ x 6.0m G.I. Pipe, Schd. 40 Top Rail	pcs.	6.00		
	38 mmØ x 6.0m G.I. Pipe, Schd. 40 Vertical Support	pcs.	20.00		
	10mmØ x 6.0m Dowel Bar	kgs	43.26		
	Welding Rod	kgs	23.00		
	Cutting Disk 4"Ø	boxes	8.00		
	Red Lead Primer	gal.	5.00		
	Consumables	l.s.	1.00		
Sub-Total for C (Material Cost)					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XX.B  
 DESCRIPTION: WINDOW GRILLS  
 TOTAL QUANTITY: 18.58  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
	Welding Machine (Electric Driven/ DC Output)				
	Standby Generator Set, 301 -350 kW				
Sub-Total for B (Cost of Equipment Rental)					-

E. Direct Unit Cost (C + D)

F.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	G-1 - (1.80m x 1.72m) Window Grills	set	6.00		
	10mm thk. Square Bar				
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) —	
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in the capacity of

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BREAKDOWN OF DETAILED ESTIMATE

THESE UNIT PRICES ARE FOR THE SUPPLY AND DELIVERY OF MATERIALS AND LABOR ONLY AND DO NOT INCLUDE THE COST OF OVERHEADS AND PROFITS.

ITEM NO.	DESCRIPTION	UNIT PRICE		TOTAL
		AMOUNT	PERCENTAGE	
1	Excavation 10' x 10' x 10'	100.00	100%	100.00
2	Concrete 10' x 10' x 10'	200.00	200%	200.00
3	Reinforcement 10' x 10' x 10'	50.00	50%	50.00
4	Formwork 10' x 10' x 10'	150.00	150%	150.00
5	Backfill 10' x 10' x 10'	100.00	100%	100.00
6	Gravel 10' x 10' x 10'	100.00	100%	100.00
7	Asphalt 10' x 10' x 10'	100.00	100%	100.00
8	Paint 10' x 10' x 10'	100.00	100%	100.00
9	Other 10' x 10' x 10'	100.00	100%	100.00
10	Subtotal	1000.00	1000%	1000.00
11	Overhead	100.00	10%	100.00
12	Profit	100.00	10%	100.00
13	Total	1200.00	120%	1200.00

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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXI  
 DESCRIPTION: CEMENTITIOUS WATERPROOFING WORKS  
 TOTAL QUANTITY: 575.20  
 UNIT: sq.m.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>BLEACHER LEVEL (Grandstand &amp; Stage)</b>				
	Surface Area Cover = 575.20 sqm				
	Plexibond				
	Portland Cement	gal	83.00		
	Handy Tools & Consumable	bags	16.00		
	Steel brush	pcs	10.00		
	Hand gloves	pairs	10.00		
	Spatula	pcs	5.00		
	Paint Brush	pcs	10.00		
	Grinding disk	box	2.00		
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	
I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>	

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in the capacity of

Duly authorized to sign the Bid and on behalf of

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BREAKDOWN OF DETAIL ESTIMATE

TO: [Faint text]

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Item No.	Description	Quantity	Unit	Rate	Amount
1	Excavation	100	cuyd	1.50	150.00
2	Backfill	100	cuyd	1.00	100.00
3	Gravel	100	cuyd	2.00	200.00
4	Concrete	100	cuyd	3.00	300.00
5	Rebar	100	lbs	0.50	50.00
6	Formwork	100	sq ft	0.20	20.00
7	Paint	100	sq ft	0.10	10.00
8	Hand labor	100	hrs	1.00	100.00
9	Material	100	hrs	1.00	100.00
10	Subcontractor	100	hrs	1.00	100.00
11	Permit	1	fee	100.00	100.00
12	Insurance	1	fee	100.00	100.00
13	Profit	1	fee	100.00	100.00
14	Contingency	1	fee	100.00	100.00
15	Subtotal				1000.00
16	Tax				100.00
17	Total				1100.00

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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXII  
 DESCRIPTION: SELF-LEVELING POLYURETHANE SEALANT  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Expansion Joint @Bleacher & Roofdeck, Total Length = 20.70m				
	High Performance, Self-Leveling Polyurethane Sealant, 29 oz. Cartridge	pcs	8.00		
	Polyethylene Foam Backing Rod, 3.5m	pcs	6.00		
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)		
E	Overhead, Contingencies & Misc. (OCM)	% of D		
F	Contractor's Profit	% of D		
G	VAT	% (D + E + F)		
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>		
I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty)</b>		

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### BREAKDOWN OF DETAILED ESTIMATE

THIS ESTIMATE IS BASED ON THE INFORMATION FURNISHED BY THE ARCHITECT AND THE CONTRACT DOCUMENTS. IT IS SUBJECT TO CHANGE AS THE PROJECT DEVELOPS.

DATE: \_\_\_\_\_

NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
1	Excavation and backfill	cu yd	100	10.00	1000.00
2	Foundation concrete	sq ft	500	2.00	1000.00
3	Structural steel	lb	10000	0.10	1000.00
4	Roofing	sq ft	2000	0.50	1000.00
5	Interior finish	sq ft	10000	0.10	1000.00
6	Exterior finish	sq ft	5000	0.20	1000.00
7	MECHANICAL				
8	Plumbing				
9	Electrical				
10	Paint	gal	100	10.00	1000.00
11	Subtotal				10000.00
12	Contingency				1000.00
13	Subtotal				11000.00
14	Profit				1000.00
15	Grand Total				12000.00

Contractor's Name

Project Name



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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXIII  
 DESCRIPTION: PHENOLIC TOILET PARTITION  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>MALE/FEMALE COMFORT ROOM PHENOLIC PARTITION</b>				
	12mm thk. 5ft x 8ft - Neuform Compact Laminate Phenolic Board, Color Combination of Prussia Blue (NSD 2613) & Warm Grey (NSD 1562).	pcs	19.00		
	12mm x 3m Toprail (Stainless Steel)	pcs	4.00		
	12mm x 1.85m h Profile (Stainless Steel)	pcs	20.00		
	12mm x 2m Corner Profile (Stainless Steel)	pcs	4.00		
	12mm x 1.85m U Profile (Stainless Steel)	pcs	24.00		
	<b>Toilet Partition Accessories (Stainless Steel)</b>				
	Indicator (Stainless Steel)	pcs	10.00		
	Handle (Stainless Steel)	pcs	10.00		
	Rising Hinge (Stainless Steel)	pair	15.00		
	Adjustable Foot (Stainless Steel)	pcs	28.00		
	Coat Hook (Stainless Steel)	pcs	10.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)		
E	Overhead, Contingencies & Misc. (OCM)	___ % of D		
F	Contractor's Profit	___ % of D		
G	VAT	___ % (D + E + F)		
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>		

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) —</b>		
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXIV.A  
 DESCRIPTION: COLD WATER LINE PIPING  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					#REF!

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification		Unit	Quantity	Unit Cost	Amount
	Description					
	20 mm PPR-PN10 x 4M		pcs	30.00		
	20 mm PPR-PN10 Tee		pcs	25.00		
	20 mm PPR-PN10 Coupling Elbow		pcs	32.00		
	20 mm PPR-PN10 Coupling		pcs	10.00		
	20 mm PPR-PN10 Female adapter		pcs	28.00		
	25 mm PPR-PN10 x 4M		pcs	10.00		
	25 x 20mm PPR-PN10 Reducing Tee		pcs	3.00		
	Gate Valve 20mm		pcs	4.00		
	Gate Valve 25mm		pcs	1.00		
	Teflon Tape		roll	10.00		
Sub-Total for C (Material Cost)						-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) ___	
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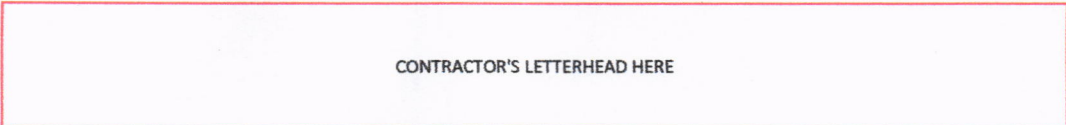
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### BREAKDOWN OF DETAILED ESTIMATE

**PROJECT NAME:** COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
**LOCATION:** CatSU Main Campus, Virac, Catanduanes

**ITEM No.:** XXIV.B  
**DESCRIPTION:** PLUMBING / SANITARY PIPING  
**TOTAL QUANTITY:** 1.00  
**UNIT:** l.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					#REF!

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	50mm PVC Pipe x 10'	pcs	28.00		
	50mm PVC Sanitary Wye	pcs	38.00		
	50mm PVC Tee	pcs	8.00		
	50mm PVC Elbow	pcs	28.00		
	50mm PVC 1/8 Bend	pcs	52.00		
	50mm PVC P-Trap	pcs	20.00		
	50mm PVC Cleanout w/ plug	pcs	6.00		
	75mm PVC Pipe x 10'	pcs	20.00		
	75mm PVC 1/8 Bend	pcs	8.00		
	75mm PVC Sanitary Wye	pcs	5.00		
	75mm PVC Elbow	pcs	5.00		
	100mm PVC Pipe x 10'	pcs	26.00		
	100mm PVC Elbow	pcs	15.00		
	100mm PVC 1/8 Bend	pcs	15.00		
	100mm PVC Sanitary Wye	pcs	10.00		
	100mm x 75mm Wye Reducer	pcs	3.00		
	100mm PVC Cleanout W/ Plug	pcs	2.00		
	Hacksaw Blade	pcs	2.00		
	Solvent Cement (Neltex)	lit	7.00		
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)		
E	Overhead, Contingencies & Misc. (OCM)	___% of D		
F	Contractor's Profit	___% of D		
G	VAT	___% (D + E + F)		
H	ITEM TOTAL	(D + E + F + G)		

I	TOTAL UNIT COST	(H / Total Qty) -----		
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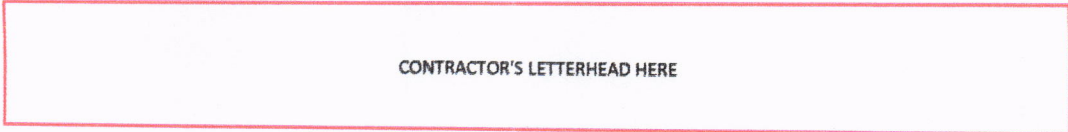
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXIV.C  
DESCRIPTION: PLUMBING FIXTURES  
TOTAL QUANTITY: 1.00  
UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	High-end Vessel Type Branded Lavatory w/ SS Chi Faucet (Complete W/ Accessories) - Rectangular, White	set	4.00		
	High-end OSIRIS CS4025BC Coupled Water Closet Incl. Stainless Steel Handheld Bidet complete with accessories	pcs	10.00		
	Urinal (Complete W/ Accessories)	pcs	10.00		
	Stainless Floor Drain	pcs	20.00		
	Stainless Steel Faucet	pcs	4.00		
Sub-Total for C (Material Cost)					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) ----	
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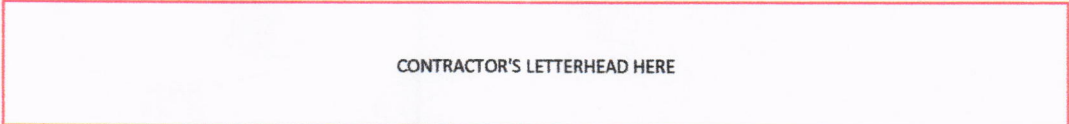
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXIV.D  
DESCRIPTION: SEPTIC TANK  
TOTAL QUANTITY: 2.00  
UNIT: sets

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Master Plumber				
	Skilled Plumber				
	Common Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	4" Thk CHB	pcs	780.00		
	Portland Cement	bags	84.00		
	Fine Aggregates	cu.m.	5.00		
	Crushed Gravel, G3/4	cu.m.	1.50		
	26 -10mmØx6.0m Reinforcing Steel Bars	kgs	96.17		
	40 -12mmØx7.5m Reinforcing Steel Bars	kgs	266.33		
	54 -12mmØ x 7.5m Reinforcing Steel Bars	kgs	249.68		
	Cementitious Waterproofing (Flexibond)	gal	10.00		
	Paint Brush (100mm)	pcs	3.00		
	Steel brush	pcs	1.00		
	#16 G.I. Tie Wire	kgs	6.00		
	Form Lumber	bd-ft	40.00		
	1/4" Thk. Ordinary Plywood	pcs	2.00		
	Assorted CW Nails	kgs	5.00		
<b>Sub-Total for C (Material Cost)</b>					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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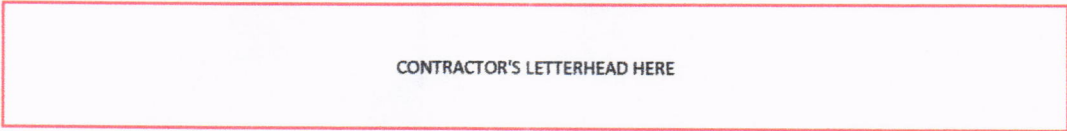
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXIV.E  
 DESCRIPTION: CATCH BASIN  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification		Unit	Quantity	Unit Cost	Amount
	Description					
	Catch Basin (13-SETS)					
	4" Thk CHB		pcs	180.00		
	Portland Cement		bags	19.00		
	Washed Sand		cu.m.	1.00		
	Crushed gravel, G 3/4		cu.m.	0.75		
	13-10mmØx7.5m Reinforcing Steel Bars		kgs	48.09		
	Tie Wire		kgs	2.00		
	Form Lumber		bd-ft	16.00		
	1/4" Thk. Ordinary Plywood		pcs	1.00		
	Assorted CW Nails		kgs	3.00		
Sub-Total for C (Material Cost)						-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) —	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes  
 ITEM No. XXV.A  
 DESCRIPTION: CONDUITS, BOXES, FITTINGS & ACCESSORIES  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Electrical Foreman				
	Skilled Electrician				
	Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
Description					
	uPVC Pipe thickwall, 20mmØ x 3m	piece	340.00		
	uPVC Pipe thickwall, 32mmØ x 3m	piece	5.00		
	IMC Pipe, 32mmØ x 3m c/w accessories	piece	2.00		
	PVC Elbow 32mmØ	piece	3.00		
	PVC End bell 32mmØ	piece	3.00		
	PVC End cap 32mmØ	piece	1.00		
	Mica tube	mtrs.	6.00		
	Service entrance cap 32mmØ	set	1.00		
	Utility box PVC 2" x 4" orange deep type	piece	55.00		
	Junction box PVC 4" x 4" orange deep type	piece	125.00		
	Pullbox NEMA 3R 250mm x 250mm	set	1.00		
	GI Pull Wire, #16	kgs.	17.00		
	PVC Cement 100cc	liters	25.00		
<b>Sub-Total for C (Material Cost)</b>					-

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	TOTAL UNIT COST	(H / Total Qty) ----	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXV.B  
DESCRIPTION: WIRES & WIRING DEVICES  
TOTAL QUANTITY: 1.00  
UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Electrical Foreman				
	Skilled Electrician				
	Laborer				
Sub-Total for A (Cost of Labor)					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Electric wire THHN 2.0mm <sup>2</sup> Cu. Str., 600V	meter	1900.00		
	Electric wire THHN 3.5mm <sup>2</sup> Cu. Str., 600V	meter	800.00		
	Electric wire THHN 5.5mm <sup>2</sup> Cu. Str., 600V	meter	210.00		
	Electric wire THHN 8.0mm <sup>2</sup> Cu. Str., 600V	meter	15.00		
	Electric wire THHN 14mm <sup>2</sup> Cu. Str., 600V	meter	10.00		
	Electric wire THHN 38mm <sup>2</sup> Cu. Str., 600V	meter	40.00		
	1 Gang switch set wide series flush type	set	4.00		
	2 Gang switch set wide series flush type	set	6.00		
	2 Gang switch 3-way set wide series flush type	set	6.00		
	3 Gang switch 3-way set wide series flush type	set	2.00		
	E27 Ceiling Receptacle 4 1/5" Ø 6A 250V	set	103.00		
	Duplex Convenience Outlet, universal 3-prong	set	18.00		
	Weatherproof duplex convenience outlet	set	13.00		
	ACU outlet	set	3.00		
	Electrical Tape	rolls	30.00		
Sub-Total for C (Material Cost)					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	

I	TOTAL UNIT COST	(H / Total Qty) —	
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXV.C  
 DESCRIPTION: PANEL BOARD & CIRCUIT BREAKER  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Electrical Foreman				
	Skilled Electrician				
	Laborer				
Sub-Total for A (Cost of Labor)					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>LPP</b>				
	Main: 1 - 100AT, 100AF, 2P, 240V 22KAIC MCCB	assy.	1.00		
	Branches:				
	6 - 15AT / 100AF, 2P, 240V, 10KAIC, Bolt-on MCCB				
	6 - 20AT / 100AF, 2P, 240V, 10KAIC, Bolt-on MCCB				
	6 - 30AT / 100AF, 2P, 240V, 10KAIC, Bolt-on MCCB				
	Enclosure: NEMA 1, Push lock and directory holder				
	<b>Manual Transfer Switch (MTS)</b>				
	Main: 2 - 100AT, 100AF, 2P, 240V 22KAIC MCCB	set	1.00		
	w/ Mechanical Interlock				
	<b>30AT Safety breaker</b>				
		sets	3.00		
Sub-Total for C (Material Cost)					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	ITEM TOTAL	(D + E + F + G)	
I	TOTAL UNIT COST	(H / Total Qty) ---	

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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

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ITEM No. XXV.D  
 DESCRIPTION: LIGHTING FIXTURES  
 TOTAL QUANTITY: 1.00  
 UNIT: l.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Electrical Foreman				
	Skilled Electrician				
	Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification		Unit	Quantity	Unit Cost	Amount
	Description					
	LED Bulb 9W, 230V, 900 lumens, 6500K daylight, E27 base		piece	17.00		
	LED Bulb 19W, 230V, 2300 lumens, 6500K daylight, E27 base		piece	86.00		
	Twin head automatic emergency light, 2 x1W LED, 230V, 6500K daylight		set	6.00		
<b>Sub-Total for C (Material Cost)</b>						

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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### BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXV.E  
 DESCRIPTION: METERING  
 TOTAL QUANTITY: 1.00  
 UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Electrical Foreman				
	Skilled Electrician				
	Laborer				
<b>Sub-Total for A (Cost of Labor)</b>					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Description</b>				
	KWH-Meter Single phase, 240V, CL60, Electronic c/w meter base, seal & NEMA 3R Enclosure	set	1.00		
<b>Sub-Total for C (Material Cost)</b>					

D	Direct Unit Cost	(A + B + C)	
E	Overhead, Contingencies & Misc. (OCM)	___ % of D	
F	Contractor's Profit	___ % of D	
G	VAT	___ % (D + E + F)	
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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**BREAKDOWN OF DETAILED ESTIMATE**

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XXV.F  
DESCRIPTION: GROUNDING  
TOTAL QUANTITY: 1.00  
UNIT: I.s.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Electrical Foreman				
	Skilled Electrician				
	Laborer				
Sub-Total for A (Cost of Labor)					

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	minor tools				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	Description				
	Grounding system	lump sum	1.00		
Sub-Total for C (Material Cost)					

D	Direct Unit Cost	(A + B + C)		
E	Overhead, Contingencies & Misc. (OCM)	___ % of D		
F	Contractor's Profit	___ % of D		
G	VAT	___ % (D + E + F)		
H	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>		

I	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ---</b>		
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***Section IX. Checklist of Technical and  
Financial Documents***

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# Checklist of Technical and Financial Documents

## I. TECHNICAL COMPONENT ENVELOPE

### *Class "A" Documents*

#### Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages);  
**or**
- ☐ (b) Registration certificate from Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or Cooperative Development Authority (CDA) for cooperatives or its equivalent document;  
**and**
- ☐ (c) Mayor's or Business permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas;  
**and**
- ☐ (e) Tax clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR).

#### Technical Documents

- ☐ (f) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (g) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules;  
**and**
- ☐ (h) Philippine Contractors Accreditation Board (PCAB) License;  
**or**  
Special PCAB License in case of Joint Ventures;  
**and** registration for the type and cost of the contract to be bid; **and**
- ☐ (i) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;  
**or**  
Original copy of Notarized Bid Securing Declaration; **and**
- ☐ (j) Project Requirements, which shall include the following:
  - ☐ a. Organizational chart for the contract to be bid;
  - ☐ b. List of contractor's key personnel (*Project Engineer, Materials Engineer, Electrical Engineer, Master Plumber, Mechanical Engineer, Safety & Health Officer, Foreman, First Aider*), to be assigned to the contract to be bid, with their complete qualification and experience data and Written Commitment to Work on the Contract;
  - ☐ 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**
- ☐ (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

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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

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

**Class "B" Documents**

- ☐ (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.

Other Requirements

- ☐ (o) Duly signed Construction Schedule and S-Curve;
- ☐ (p) Duly signed PERT/CPM;
- ☐ (q) Duly signed Construction Methods in Narrative Form on how the contractor will undertake the works under the contract;
- ☐ (r) Duly signed Manpower Schedule;
- ☐ (s) Duly Signed Equipment Utilization Schedule;
- ☐ (t) Duly signed Construction Safety and Health Program (to be approved by DOLE prior to contract signing)
- ☐ (u) Duly signed and notarized Affidavit of Site Inspection

**II. FINANCIAL COMPONENT ENVELOPE**

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

Other documentary requirements under RA No. 9184

- ☐ (w) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- ☐ (x) 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**
- ☐ (y) Cash Flow by Quarter.

## ***Section X. Bidding Forms***

Form 1	Bid Form
Form 2	Bid Securing Declaration
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Form 5	Statement of All Ongoing Government & Private Construction Contracts Awarded But Not Yet Started
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Form 9	List of Equipment, Owned or Leased and/or Under Purchase Agreement, Pledged to the Proposed Contract
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	Contract Agreement Form for the Procurement of Infrastructure Project

**Bid Form for the Procurement of Infrastructure Projects**  
*[shall be submitted with the Bid]*

**BID FORM**

Date: \_\_\_\_\_

Project Identification No. : 2021-008-IP

To: **BIDS AND AWARDS COMMITTEE**  
*Catanduanes State University*  
*Virac, Catanduanes*

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: **COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)**;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within the period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines<sup>1</sup> for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;

*ES*

- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the **Completion of University Sports & Cultural Center (Grandstand Building B)** of the **Catanduanes State University**.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: \_\_\_\_\_

Legal Capacity: \_\_\_\_\_

Signature: \_\_\_\_\_

Duly authorized to sign the Bid for and behalf of: \_\_\_\_\_

Date: \_\_\_\_\_



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

REPUBLIC OF THE PHILIPPINES)  
 CITY OF \_\_\_\_\_) S.S.

**BID SECURING DECLARATION**  
**Project Identification No.: 2021-008-IP**

To: ***Bids and Awards Committee***  
*Catanduanes State University*  
*Virac, Catanduanes*

I/We, the undersigned, declare that:

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

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

*[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]*

*[Insert signatory's legal capacity]*

Affiant



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

Witness my hand and seal this \_\_\_ day of [month] [year].

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

PTR No. \_\_, [date issued], [place issued]

IBP No. \_\_, [date issued], [place issued]

Doc. No. \_\_\_\_\_

Page No. \_\_\_\_\_

Book No. \_\_\_\_\_

Series of \_\_\_\_\_.



**Omnibus Sworn Statement (Revised)**  
*[Shall be submitted with the Bid]*

REPUBLIC OF THE PHILIPPINES )  
 CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT**

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

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

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

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

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

*[If a sole proprietorship:]* As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for **Completion of University Sports & Cultural Center (Grandstand Building B)** of the **Catanduanes State University**, as shown in the attached duly notarized Special Power of Attorney;

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

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

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

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized

representative(s) to verify all the documents submitted;

6. [Select one, delete the rest:]

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

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

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

7. [Name of Bidder] complies with existing labor laws and standards; and

8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:

- a. Carefully examining all of the Bidding Documents;
- b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
- c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
- d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the **Completion of University Sports & Cultural Center (Grandstand Building B).**

9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

10. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

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

to be made in the report.

The report shall be made by the person or persons who have been appointed by the Local Authority to inspect the premises, and shall be made in such form and containing such particulars as may be prescribed by the Local Authority.

Where the premises are situated in a street, the person or persons appointed by the Local Authority to inspect the premises shall also inspect the street and the adjacent premises, and shall report thereon in the report.

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Section 10(2) of the Public Health Act 1936

Where the premises are situated in a street, the person or persons appointed by the Local Authority to inspect the premises shall also inspect the street and the adjacent premises, and shall report thereon in the report.

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Where the premises are situated in a street, the person or persons appointed by the Local Authority to inspect the premises shall also inspect the street and the adjacent premises, and shall report thereon in the report.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

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

Witness my hand and seal this \_\_\_ day of [month] [year].

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_

Notary Public for \_\_\_\_\_ until \_\_\_\_\_

Roll of Attorneys No. \_\_\_\_\_

PTR No. \_\_, [date issued], [place issued]

IBP No. \_\_, [date issued], [place issued]

Doc. No. \_\_\_\_

Page No. \_\_\_\_

Book No. \_\_\_\_

Series of \_\_\_\_.

**STATEMENT OF ALL ONGOING GOVERNMENT & PRIVATE CONSTRUCTION CONTRACTS INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED**

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_

Project Name: Completion of University Sports & Cultural Center (Grandstand Building B)

Name of Contract/Location/ Project Cost	a. Owner Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Date Awarded b. Date Started c. Date of Completion	% of Accomplishment		Value of Outstanding Works
			Description	%		Planned	Actual	
<i>Government</i>								
<i>Private</i>								
							<b>Total Cost:</b>	

Note:

1. State all ongoing contracts including those awarded but not yet started (government & private contracts which may be similar or not similar to the project called for bidding).
2. If there is no ongoing contract, state none or equivalent term.

This statement shall be supported with:

1. Notice of Award and/or Contract
2. Notice to Proceed issued by the owner and
3. Certificate of Accomplishments signed by the owner or authorized representative

Submitted by: \_\_\_\_\_

(Printed Name & Signature)

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

**STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID**

Business Name: \_\_\_\_\_

Business Address: \_\_\_\_\_

Project Name: Completion of University Sports & Cultural Center (Grandstand Building B)

Name of Contract	a. Owner Name b. Address c. Telephone Nos.	Nature of Work	Contractor's Role		a. Amount of Award b. Amount of Completion	a. Date Awarded b. Contract Effectivity c. Date Completed
			Description	%		
<i>Government</i>						
<i>Private</i>						

The statement shall be supported with:

1. Contract
2. Certificate of Completion
3. Certificate of Final Acceptance or the Constructors Performance Evaluation System (CPES) Final Rating, which must be at least satisfactory.
4. In case of contracts with the private sector, an equivalent document shall be submitted.

Submitted by: \_\_\_\_\_  
(Printed Name & Signature)

Designation: \_\_\_\_\_

Date: \_\_\_\_\_

**LIST OF KEY PERSONNEL PROPOSED TO BE ASSIGNED TO THE CONTRACT**

Business Name : \_\_\_\_\_  
 Business Address : \_\_\_\_\_  
 Project Name: Completion of University Sports & Cultural Center (Grandstand Building B)

	<i>Project Engineer</i>	<i>Materials Engineer</i>	<i>Electrical Engineer</i>	<i>Master Plumber</i>	<i>Safety &amp; Health Officer</i>	<i>Construction Foreman</i>	<i>First Aider</i>
1. Name							
2. Address							
3. Date of Birth							
4. Employed Since							
5. Previous Employment							
6. Education							
7. PRC License/Accreditation from DOLE (for the Health & Safety Officer)							
8. Years of Related Experience in Proposed Position							

Note: Attached individual bio-data/CV, PRC License of the professional personnel, Certificate of DOLE/DPWH/Red Cross of the Philippines Accreditation as applicable, Certificate of Training in Construction Occupational Safety and Health & Affidavit of Commitment to Work on the Contract.

Submitted by : \_\_\_\_\_  
 (Printed Name & Signature)  
 Designation : \_\_\_\_\_  
 Date : \_\_\_\_\_



Name of the Procuring Entity : Catanduanes State University  
 Name of the Project : Completion of University Sports & Cultural Center (Grandstand Building B)

**KEY PERSONNEL  
 (SAMPLE FORMAT OF BIO-DATA)**

Give the detailed information of the following personnel who are scheduled to be assigned as full-time field staff for the project. Fill up a form for each person.

1. Name : \_\_\_\_\_
2. Nationality : \_\_\_\_\_
3. Education and Degrees : \_\_\_\_\_
4. Proposed Position : \_\_\_\_\_
5. Length of Service with the Firm : \_\_\_\_\_
6. Years of Related Experience for the proposed position : \_\_\_\_\_
7. List of Projects Handled : *(use additional sheet/s if necessary)*
  - Name of Project : \_\_\_\_\_
  - Name of Owner : \_\_\_\_\_
  - Type of Project : \_\_\_\_\_
  - Position : \_\_\_\_\_
  - Period of Assignment : \_\_\_\_\_

In the event that *[Name of the Bidder]* is awarded the contract for the Completion of University Sports & Cultural Center (Grandstand Building B), I, firmly commit to assume the post of *[Designation]*.

\_\_\_\_\_  
 Signature of Key Personnel

**KEY PERSONNEL'S AFFIDAVIT OF COMMITMENT TO WORK ON THE CONTRACT**

1. I, \_\_\_\_\_ have committed my services for the position of \_\_\_\_\_ for  
*(Name of Professional/Individual)* *(Key Personnel Position)*  
 the Contract if it is awarded to the Bidder.
2. I, therefore, commit to assume the said position for the Contract once it is awarded to the Bidder, and I shall employ the best care, skill and ability to perform the duties of such position in accordance with the Conditions of Contract, Specifications, Drawings, and other provisions of the Contract Agreement. I am aware that I have to stay in the jobsite for the duration of the project.
3. I do not allow the use of my name to enable the Bidder to qualify for the Contract without my commitment to assume the said position, since I understand that to do so shall be a sufficient ground for my disqualification from this Contract and future biddings of the Catanduanes State University.
4. I submit, and certify as true and correct, the following information:
  - a. Name : \_\_\_\_\_
  - b. Date of Birth : \_\_\_\_\_
  - c. Nationality : \_\_\_\_\_
  - d. Profession : \_\_\_\_\_
  - e. PRC License No. and Date of Validity : \_\_\_\_\_
  - f. Employment Record and Work Experience relevant to the Project *(Please fill in the table below; use additional sheet(s) if necessary)*

<i>i. Project Name &amp; Location</i>	<i>i. Project Description</i>	<i>i. Part of Project Handled</i>	<i>i. Start Date of the Project</i>
<i>ii. Project Owner's Name &amp; Address</i>	<i>ii. Total Cost Project</i>	<i>ii. Cost of Part</i>	<i>ii. Completion Date of the Project</i>
<i>iii. Employer's Name &amp; Address</i>			<i>iii. Total Period of Engagement to the Project</i>
<i>iv. Position</i>			
Completed Projects:			
On-going Projects:			

\_\_\_\_\_  
*Name and Signature of Professional/Individual Committing to the Contract*

\_\_\_\_\_  
*(Date)*

REPUBLIC OF THE PHILIPPINES)  
 CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

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

Witness my hand and seal this \_\_\_ day of [month] [year].

NAME OF NOTARY PUBLIC  
 Serial No. of Commission \_\_\_\_\_  
 Notary Public for \_\_\_\_\_ until \_\_\_\_\_  
 Roll of Attorneys No. \_\_\_\_\_  
 PTR No. \_\_\_\_\_ [date issued], [place issued]  
 IBP No. \_\_\_\_\_ [date issued], [place issued]

Doc. No. \_\_\_\_\_  
 Page No. \_\_\_\_\_  
 Book No. \_\_\_\_\_  
 Series of 2021

Project Name: Completion of University Sports & Cultural Center (Grandstand Building B)  
 Location: Catanduanes State University, Virac, Catanduanes

**LIST OF EQUIPMENT, OWNED OR LEASED AND/OR UNDER PURCHASE AGREEMENT, PLEDGED TO THE PROPOSED CONTRACT**

Business Name: \_\_\_\_\_  
 Business Address: \_\_\_\_\_

Description	Model/Year	Capacity/ Performance/Size	Plate No.	Motor No./ Body No.	Location	Condition	Proof of Ownership/ Lessor/Vendor
A. Owned							
B. Leased							
C. Under Purchase Agreement							

*Note: This list must be supported by proof of ownership, lease and/or purchase agreement. For lease and purchase agreement, such proof must include a certification of availability of equipment from the lessor/vendor for the duration of the project.*

Submitted by: \_\_\_\_\_  
 (Printed Name & Signature)  
 Designation: \_\_\_\_\_  
 Date: \_\_\_\_\_

REPUBLIC OF THE PHILIPPINES )  
 CITY/MUNICIPALITY OF \_\_\_\_\_ ) S.S.

**AFFIDAVIT OF SITE INSPECTION**

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

1. That I am the *[Position of the Authorized Representative]* of the *[Name of Bidder]* with office at *[Address of the Bidder]*.
2. That I have inspected the site for Completion of University Sports & Cultural Center (Grandstand Building B). Located at Catanduanes State University, Virac, Catanduanes on *[Date of Inspection]*.
3. That I am making this statement as part of the requirement for the Technical Proposal of the *[Name of Bidder]* for the Completion of University Sports & Cultural Center (Grandstand Building B) of the Catanduanes State University.

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

\_\_\_\_\_  
 Affiant

**SUBSCRIBED AND SWORN** to before me this \_\_\_ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_ and his/her Community Tax Certificate No. \_\_\_\_\_ issued on \_\_\_ at \_\_\_\_\_.

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

**NAME OF NOTARY PUBLIC**

Serial No. of Commission \_\_\_\_\_  
 Notary Public for \_\_\_\_\_ until \_\_\_\_\_  
 Roll of Attorneys No. \_\_\_\_\_  
 PTR No. \_\_\_\_\_ *[date issued]*, *[place issued]*  
 IBP No. \_\_\_\_\_ *[date issued]*, *[place issued]*

Doc. No. \_\_\_\_\_  
 Page No. \_\_\_\_\_  
 Book No. \_\_\_\_\_  
 Series of 2021

**Contract Agreement Form for the  
Procurement of Infrastructure Projects (Revised)**

*[not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the  
Notice of Award]*

**CONTRACT AGREEMENT**

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

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

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement, words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as part of this Agreement, *viz.*:
  - i. Philippine Bidding Documents (PBDs);
    - i. Drawings/Plans;
    - ii. Specifications;
    - iii. Bill of Quantities;
    - iv. General and Special Conditions of Contract;
    - v. Supplemental or Bid Bulletins, if any;
  - ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;
 

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
  - iii. Performance Security;
  - iv. Notice of Award of Contract and the Bidder's conforme thereto; and
  - v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty**

**Security, shall likewise form part of the Contract.**

3. In consideration for the sum of *[total contract price in words and figures]* or such other sums as may be ascertained, *[Named of the bidder]* agrees to *[state the object of the contract]* in accordance with his/her/its Bid.
4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

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

*[Insert Name and Signature]*  
*[Insert Signatory's Legal Capacity]*

*for:*

*[Insert Procuring Entity]*

*[Insert Name and Signature]*  
*[Insert Signatory's Legal Capacity]*

*for:*

*[Insert Name of Supplier]*

**Acknowledgment**

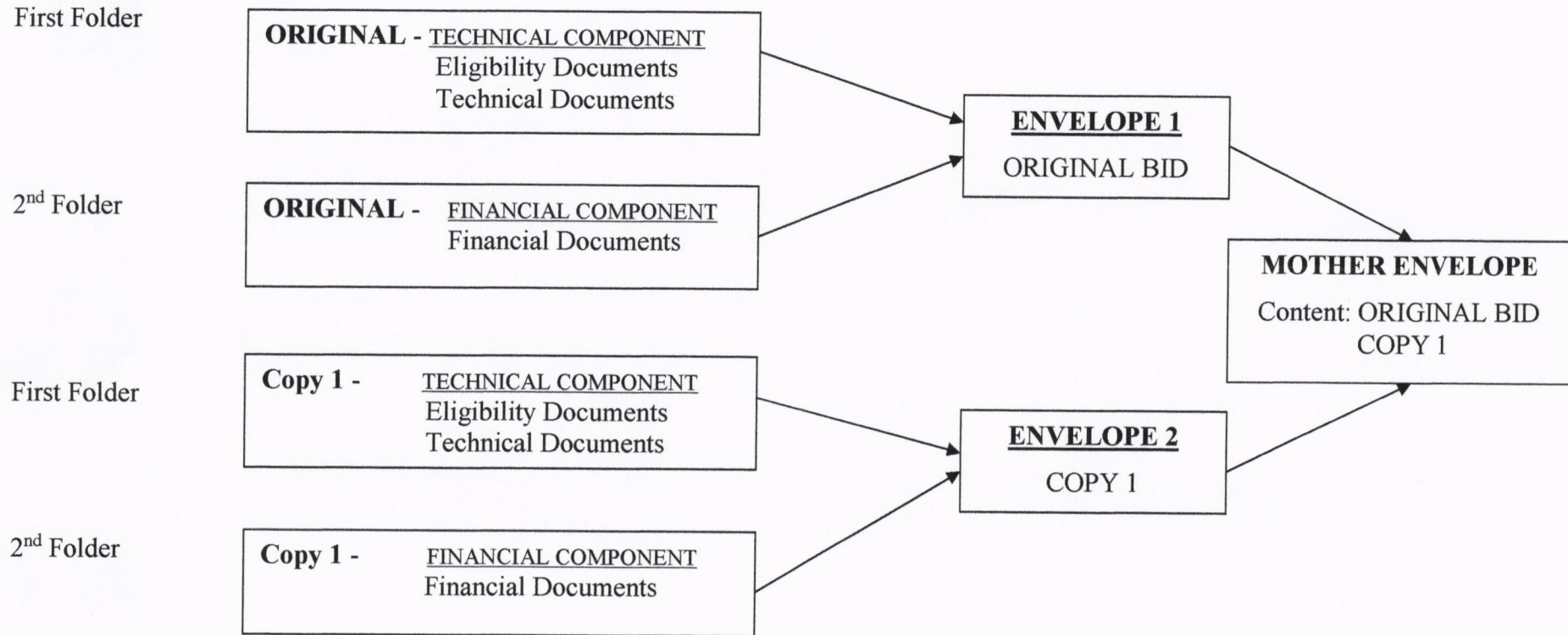
*[Format shall be based on the latest Rules on Notarial Practice]*



***Section XI. Instructions for  
Markings & Sealing***



**REQUIREMENTS AND INSTRUCTIONS OF THE CATANDUANES STATE UNIVERSITY  
FOR MARKINGS AND SEALING OF BID ENVELOPES - INFRASTRUCTURE PROJECTS**



*God*



**REQUIREMENTS AND INSTRUCTIONS OF THE CATANDUANES STATE UNIVERSITY  
FOR MARKINGS AND SEALING OF BID ENVELOPES - INFRASTRUCTURE PROJECTS**

**All bid envelopes shall:**

1. Typed or written in indelible ink and the **seal shall be signed by the bidder** or his duly qualified and authorized representative.
2. Contain the name of the contract to be bid in capital letters (\* refer to BDS Clause 1.0 for the name of the Project).
3. Bear the name and address of the bidder in capital letters.
4. All envelopes shall be sealed and marked as illustrated below:

**For Envelope 1 and 2**

<p>BIDDER'S NAME AND ADDRESS</p> <p>THE BIDS AND AWARDS COMMITTEE Catanduanes State University Virac, Catanduanes</p> <p>BID DOCUMENTS FOR: _____ (Name of the Contract) *</p> <p>CONTENTS: ORIGINAL BID <b>OR</b> COPY 1 1) Technical Component 2) Financial Component</p> <p>DO NOT OPEN BEFORE _____ (Date of Bid Opening)</p>
---

**Mother Envelope**

<p>BIDDER'S NAME AND ADDRESS</p> <p>THE BIDS AND AWARDS COMMITTEE Catanduanes State University Virac, Catanduanes</p> <p>BID DOCUMENTS FOR: _____ (Name of the Contract) *</p> <p>CONTENTS: 1) ORIGINAL BID 2) COPY 1</p> <p>DO NOT OPEN BEFORE _____ (Date of Bid Opening)</p>
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- If the bids are not sealed and marked as required, the Procuring Entity will assume no responsibility for the misplacement of the contents of the improperly sealed or marked bid, or for its premature opening. Moreover, **FAILURE TO COMPLY WITH THE REQUIRED SEALING AND MARKING OF BIDS SHALL BE A GROUND FOR DISQUALIFICATION.**

## **FORMAT AND SIGNING OF BID DOCUMENTS**

1. Bidders may submit their bids through their duly qualified and authorized representative. An authorization from the owner/bidder must be presented if the person submitting the bid is different from the representative named in the Omnibus Sworn Statement.
2. Forms provided must be completed without any alterations to their format. If the entries cannot be accommodated or fit in the original form issued by this Committee, the forms can be re-typed and copied but the form (columns, labels) and content should not be altered for the purpose of clarity, completeness and understandability of the bid.
3. The bid shall be signed and each of every page thereof shall be initialed by the bidder or by the duly authorized representative/s.

Additional instructions (BAC Resolution No. 396 s. 2011 dated November 10, 2011 and BAC Resolution No. 214 dated September 12, 2012.

- The bid documents and/ or its supporting attachments INDICATING OWNERSHIP shall be signed by the OWNER/BIDDER (sole proprietor) and/or by the authorized representative named in the Omnibus Sworn Statement (if a Corporation or Joint Venture).
  - The authorized representative should be an employee of the company/business entity, certified as bonafide employee by the owner/bidder (if a sole proprietorship) and by the Corporate Secretary or Chairman of the BOD, if a corporation, partnership or joint venture. The Certification should be attached to the Special Power of Attorney (SPA).
4. Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the bidder.
  5. The bid documents can be typewritten, encoded or written in indelible ink.
  6. The bidder is responsible to double check the full description of the requirements for each item as stated in the Bidding documents.
  7. The bidder is required to provide a Table of Contents and corresponding tab/label for each submitted document to ensure completeness of the submitted documents and to facilitate the examination and evaluation by the BAC.



