

PHILIPPINE BIDDING DOCUMENTS

**Procurement for
Delivery of Supply,
Materials and Labor for
the Construction of
Science Laboratory at
CNU-Balamban Campus
with Bid No. 24-06-145**

Government of the Republic of the Philippines

**Sixth Edition
July 2020**

Preface

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

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

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

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

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

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

the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.

- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

TABLE OF CONTENTS

Glossary of Terms, Abbreviations, and Acronyms.....	6
Section I. Invitation to Bid	9
Section II. Instructions to Bidders.....	12
1. Scope of Bid.....	13
2. Funding Information	13
3. Bidding Requirements.....	13
4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices	13
5. Eligible Bidders.....	14
6. Origin of Associated Goods	14
7. Subcontracts	14
8. Pre-Bid Conference.....	15
9. Clarification and Amendment of Bidding Documents.....	15
10. Documents Comprising the Bid: Eligibility and Technical Components.....	15
11. Documents Comprising the Bid: Financial Component	16
12. Alternative Bids	16
13. Bid Prices	16
14. Bid and Payment Currencies.....	16
15. Bid Security.....	16
16. Sealing and Marking of Bids.....	17
17. Deadline for Submission of Bids	17
18. Opening and Preliminary Examination of Bids	17
19. Detailed Evaluation and Comparison of Bids.....	17
20. Post Qualification.....	18
21. Signing of the Contract	18
Section III. Bid Data Sheet.....	19
Section IV. General Conditions of Contract	21
1. Scope of Contract.....	22
2. Sectional Completion of Works	22
3. Possession of Site.....	22
4. The Contractor’s Obligations.....	22
5. Performance Security	23
6. Site Investigation Reports	23

7.	Warranty.....	23
8.	Liability of the Contractor.....	23
9.	Termination for Other Causes.....	23
10.	Dayworks	24
11.	Program of Work.....	24
12.	Instructions, Inspections and Audits	24
13.	Advance Payment.....	24
14.	Progress Payments	24
15.	Operating and Maintenance Manuals.....	24
	Section V. Special Conditions of Contract.....	26
	Section VI. Specifications	28
	Section VII. Drawings.....	39
	Section VIII. Bill of Quantities	59
	Section IX. Checklist of Technical and Financial Documents.....	63

Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

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

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

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

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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



Republic of the Philippines

Cebu Normal University

Osmeña Blvd. Cebu City, 6000 Philippines

Office of the Bids and Awards Committee

Telephone No.: (+63 32) 254 1452 local 141 or 125

Email: cnubacsec@gmail.com

Website: www.cnu.edu.ph



INVITATION TO BID FOR

One Lot Procurement for Delivery of Supply, Materials and Labor for the Construction of Science Laboratory at CNU-Balamban Campus with Bid No. 24-06-145

1. The **Cebu Normal University**, through the *Miscellaneous Trust Fund – Land Bank of the Philippines (MTF-LBP) 2024* intends to apply the sum of **One Million Seven Hundred Thousand Pesos (Php1,700,000.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for *One Lot Procurement for Delivery of Supply, Materials and Labor for the Construction of Science Laboratory at CNU – Balamban Campus with Bid No. 24-06-145*. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **Cebu Normal University** now invites bids for the above Procurement Project. Completion of the Works is required *within Sixty (60) Calendar Days*. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. Bidding will be conducted through open competitive bidding procedures using non-discretionary “*pass/fail*” criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
4. Interested bidders may obtain further information from *Cebu Normal University* and inspect the Bidding Documents at the address given below from *8:00 a.m. to 5:00 p.m.*
5. A complete set of Bidding Documents may be acquired by interested bidders on **September 18, 2024 to October 7, 2024** from given address and website/s below *and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of Five Thousand Pesos Only (Php5,000.00)*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person, or through electronic means*.

6. The *Cebu Normal University* will hold a Pre-Bid Conference on **September 25, 2024 9:30 A.M.** at **CNU BAC Office, 2nd Floor Administration Building, Osmeña Boulevard, Cebu City** and/or through video conferencing or webcasting via *zoom platform* which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the **CNU BAC Office, 2nd Floor Administration Building, Osmeña Boulevard, Cebu City** on or before **9:00 A.M. of October 7, 2024**. Late bids shall not be accepted.
8. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB Clause 16**.
9. Bid opening shall be on **October 7, 2024 9:30 A.M.** at the given address below **CNU BAC Office, 2nd Floor Administration Building, Osmeña Boulevard, Cebu City**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The *Cebu Normal 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:

ATTY. STANLEY SAM P. TIBON

*BAC Secretariat Office
Cebu Normal University
Osmeña Boulevard, Cebu City
6000 Philippines
cnubacsec@gmail.com
(+632) 254 1452 local 141*

12. You may visit the following websites:

For downloading of Bidding Documents: www.philgeps.gov.ph
www.cnu.edu.ph

September 16, 2024


DR. ALLAN ROY B. ELNAR
BAC Chairperson

Section II. Instructions to Bidders

Notes on the Instructions to Bidders

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

1. Scope of Bid

The Procuring Entity, *Cebu Normal University* invites Bids for the *One Lot Procurement for Delivery of Supply, Materials and Labor for the Construction of the Science Laboratory at CNU – Balamban Campus*, with Project Identification Number 24-06-145.

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 *Miscellaneous Trust Fund – Land Bank of the Philippines (MTF-LBP) 2024* in the amount of *One Million Seven Hundred Thousand Pesos (Php1,700,000.00)*.

2.2. The source of funding is:

- a. NGA, the General Appropriations Act or Special Appropriations.

3. Bidding Requirements

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

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

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

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

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

5. Eligible Bidders

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

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.
- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

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

7. Subcontracts

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

The Procuring Entity has prescribed that:

- a. Subcontracting is not allowed.
- 7.1. The Bidder must submit together with its Bid the documentary requirements of the subcontractor(s) complying with the eligibility criteria stated in **ITB** Clause 5 in accordance with Section 23.4 of the 2016 revised IRR of RA No. 9184 pursuant to Section 23.1 thereof.
 - 7.2. The Supplier may identify its subcontractor during the contract implementation stage. Subcontractors identified during the bidding may be changed during the implementation of this Contract. Subcontractors must submit the documentary requirements under Section 23.1 of the 2016 revised IRR of RA No. 9184 and comply with the eligibility criteria specified in **ITB** Clause 5 to the implementing or end-user unit.

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

8. Pre-Bid Conference

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

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

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

the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

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

13. Bid Prices

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

14. Bid and Payment Currencies

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

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

- 15.2. The Bid and bid security shall be valid until **February 3, 2025**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

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

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

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

17. Deadline for Submission of Bids

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

18. Opening and Preliminary Examination of Bids

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

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

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

19. Detailed Evaluation and Comparison of Bids

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

- 19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

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

21. Signing of the Contract

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

Section III. Bid Data Sheet

Notes on the Bid Data Sheet (BDS)

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

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

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

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

Bid Data Sheet

ITB Clause							
5.2	For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be: <i>Civil/Architectural, Concrete Chipping, Masonry and Electrical Works</i>						
10.4	The key personnel must meet the required minimum years of experience set below: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Key Personnel</u></th> <th style="text-align: center;"><u>General Experience</u></th> <th style="text-align: center;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> <td></td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>			
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>					
10.5	The minimum major equipment requirements are the following: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;"><u>Equipment</u></th> <th style="text-align: center;"><u>Capacity</u></th> <th style="text-align: center;"><u>Number of Units</u></th> </tr> </thead> <tbody> <tr> <td style="height: 30px;"></td> <td></td> <td></td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>			
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>					
15.1	The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts: <ul style="list-style-type: none"> a. The amount of not less than Thirty-Four Thousand Pesos (Php34,000.00), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; b. The amount of not less than Eighty-Five Thousand Pesos (Php85,000.00) if bid security is in Surety Bond. 						
20	<i>[List licenses and permits relevant to the Project and the corresponding law requiring it, e.g. Environmental Compliance Certificate, Certification that the project site is not within a geohazard zone, etc.]</i>						
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.						

Section IV. General Conditions of Contract

Notes on the General Conditions of Contract

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

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

Any complementary information, which may be needed, shall be introduced only through the Special Conditions of Contract.

1. **Scope of Contract**

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

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

2. **Sectional Completion of Works**

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

3. **Possession of Site**

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

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

4. **The Contractor's Obligations**

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

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

5. Performance Security

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

6. Site Investigation Reports

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

7. Warranty

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

8. Liability of the Contractor

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

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

9. Termination for Other Causes

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

10. Dayworks

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

11. Program of Work

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

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

12. Instructions, Inspections and Audits

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

13. Advance Payment

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

14. Progress Payments

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

15. Operating and Maintenance Manuals

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

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

Section V. Special Conditions of Contract

Notes on the Special Conditions of Contract

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

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

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

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

Special Conditions of Contract

GCC Clause	
2	<i>Completion of Work: 60 calendar days</i>
4.1	<i>The Delivery of Supply, Materials and Labor is in CNU Balamban Campus, located at Brgy. Nangka, Balamban, Cebu</i>
6	The site investigation reports are: <i>[list here the required site investigation reports.]</i>
7.2	<i>[In case of permanent structures, such as buildings of types 4 and 5 as classified under the National Building Code of the Philippines and other structures made of steel, iron, or concrete which comply with relevant structural codes (e.g., DPWH Standard Specifications), such as, but not limited to, steel/concrete bridges, flyovers, aircraft movement areas, ports, dams, tunnels, filtration and treatment plants, sewerage systems, power plants, transmission and communication towers, railway system, and other similar permanent structures:] Fifteen (15) years.</i>
10	a. Dayworks are applicable at the rate shown in the Contractor's original Bid.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within <i>[insert number]</i> days of delivery of the Notice of Award.
11.2	The amount to be withheld for late submission of an updated Program of Work is <i>[insert amount]</i> .
13	The amount of the advance payment is <i>[insert amount as percentage of the contract price that shall not exceed 15% of the total contract price and schedule of payment]</i> .
14	<i>[If allowed by the Procuring Entity, state:]</i> Materials and equipment delivered on the site but not completely put in place shall be included for payment.
15.1	The date by which operating and maintenance manuals are required is <i>[date]</i> . The date by which "as built" drawings are required is <i>[date]</i> .
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is <i>[amount in local currency]</i> .

Section VI. Specifications

Notes on Specifications

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

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

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

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

Sample Clause: Equivalency of Standards and Codes

Wherever reference is made in the Contract to specific standards and codes to be met by the goods and materials to be furnished, and work performed or tested, the provisions of the latest current edition or revision of the relevant standards and codes in effect shall apply, unless otherwise expressly stated in the Contract. Where such standards and codes are national, or relate to a particular country or region, other authoritative standards that ensure a substantially equal or higher quality than the standards and codes specified will be accepted

subject to the Procuring Entity's Representative's prior review and written consent. Differences between the standards specified and the proposed alternative standards shall be fully described in writing by the Contractor and submitted to the Procuring Entity's Representative at least twenty-eight (28) days prior to the date when the Contractor desires the Procuring Entity's Representative's consent. In the event the Procuring Entity's Representative determines that such proposed deviations do not ensure substantially equal or higher quality, the Contractor shall comply with the standards specified in the documents.

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

PROGRAM OF WORKS				
Project Title : Proposed Science Laboratory at CNU Balamban Campus				
Location : CNU Balamban Campus, Brgy Nangka, Balamban Cebu				
Project Cost :			1,700,000.00	
Duration : 60 Calendar Days				
Mode of Implementation : Contract				
Date Prepared : April 26, 2024				
ITEM	SCOPE OF WORKS	% Wt.	QUANTITY	UNIT
1.00	OTHER GENERAL REQUIREMENTS	1.22%	1.00	lot
2.00	CIVIL/ARCHITECTURAL WORKS	0.35%	1.00	lot
3.00	ELECTRICAL WORKS	30.38%	1.00	lot
4.00	PLUMBING WORKS	2.20%	1.00	lot
5.00	SUPPLY AND INSTALLATION OF LABORATORY FURNITURES & FIXTURES	65.84%	1.00	lot
TOTAL OF DIRECT COST		100.00%		
BREAK DOWN OF ESTIMATED PROJECT COST				
A. DIRECT COST				
	LABOR, EQUIPMENT, & MATERIAL COST		1.00	lot
SUB-TOTAL (A)				
B. INDIRECT COST				
	OCM (15% OF TDC)		1.00	lot
	PROFIT (10% OF TDC)		1.00	lot
	VAT, 7% OF (TDC + OCM + PROFIT)		1.00	lot
SUB-TOTAL (B)				
TOTAL PROJECT COST				

TECHNICAL SPECIFICATIONS
PROPOSED SCIENCE LABORATORY AT
CNU BALAMBAN CAMPUS
CEBU NORMAL UNIVERSITY - BALAMBAN CAMPUS
BRGY. NANGKA, BALAMBAN CEBU

I. BACKGROUND

The **CEBU NORMAL UNIVERSITY - BALAMBAN CAMPUS** through the approved allocation under FY 2024 Special Trust Fund (STF) intends to apply the sum of **ONE MILLION SEVEN HUNDRED THOUSAND PESOS (P 1,700,000.00)** being the approved budget for the procurement and implementation of the project **Proposed Science Laboratory at Balamban Campus** with the project duration of sixty (60) calendar days.

II. PROJECT DESCRIPTION AND LOCATION

The project will involve the **Proposed Science Laboratory at Balamban Campus** of the Cebu Normal University - Balamban Campus, Brgy. Nangka, Balamban Cebu pursuant to the technical specifications.

The project will have an Approved Budget for the Contract (ABC) of **ONE MILLION SEVEN HUNDRED THOUSAND PESOS (P 1,700,000.00)** including all taxes for the projects mentioned above.

The **Proposed Science Laboratory at Balamban Campus** in which the Approved Budget Contract shall be allocated for the Civil/Architectural Works, Electrical Works, Plumbing Works, Supply and Installation of Laboratory Furniture's & Fixtures, and Other General Requirement.

III. CONSTRUCTION PHASE

The Construction Project

A. Civil / Architectural Works

1. CONCRETE CHIPPING

- Concrete wall and floor chipping shall be done in accordance with the plans and specifications, with a minimum depth of 75mm or approved equal.

2. MASONRY WORKS

- Restoration of walls and floors affected by concrete chipping shall be carried out to ensure the integrity and appearance of the surfaces are fully restored.

B. Electrical works

- All electrical works herein shall be done in accordance with these plans and specifications, the applicable provisions of the latest edition of the Philippine Electrical Code, the rules and regulations of the local enforcing authority. The electrical works shall be under immediate supervision of a duly licensed Electrical Engineer.
- All electrical wiring installations, such as lighting and power, shall use polyvinyl chloride (PVC) pipes, unless otherwise indicated in the approved bill of materials/quantities.
- Unless otherwise specified, the minimum size of wire shall be 2.0mm² THHN and conduit shall be 75mm ϕ or 3/4 inches ϕ electrical trade size or approved equal.
- All wire shall be copper and thermoplastic insulated type "THHN/THWN" unless otherwise indicated in the plans or approved equal.
- All outlet boxes shall be galvanized gauge no. 16, deep type with factory knockouts or approved equal. Cover all junction boxes (no exposed wire)
- Panel boards shall be of dead-front type construction with adequate wire space, surface mounted, finished in industrial grey enamel over a coat or rust inhibitor. Minimum thickness shall be 1.4mm (GA 16). Circuit breakers shall be quick-make, quick break, trip-free on overload and short-circuit edition, bolt-on type.
- All wiring devices shall be in accordance with these plans and specifications or approved equal.
- All materials to be used shall be brand new and must be approved type for the particular location and purpose intended.
- Provide grounding system to all lighting and power circuit as per Philippine Electrical Code requirement.
- Mounting heights are: (Subject to Architect's approval)

A.	Light Switches	--- 1.20M above floor finish
B.	Convenience Outlets	--- 0.30M above floor finish
C.	Telephone Outlets	--- 0.30M above floor finish
D.	Panelboard	--- 1.40M above floor finish
E.	Emergency Light	--- 0.30M below ceiling line
F.	Data Outlet	--- 0.30M below ceiling line
- Pull boxes shall be used when applicable for easy pulling of wires and shall be according to code requirement.
- Provide flexible metal conduit and sufficient mica tube from junction boxes to lighting fixtures.
- Upon completion of Electrical construction work, the following test shall be performed by the contractor inclusive of the installation to be reported in details and in forms approved by the owner's representative:

A.	Insulation Resistance Test
B.	Ground Resistance Test
C.	Operational Test

C. Plumbing Works

- All plumbing works included herein shall be executed according to the provision of the Philippine Plumbing code the national building code & the rules & regulations of the city or municipality where the project will be built.
- Coordinate the drawing with other related drawings and specification, the engineer shall be notified immediately of any discrepancy found therein.
- All pipes shall be installed as indicated on plans, any relocations required for proper execution of other trade shall be with prior approval of the architect or engineer.
- Proposed sanitary utilities shall conform to the actual location, depth and invert elevation of all existing pipes and structure as verified by the contractor.
- Refer to architectural plans for area drain, catch basin, floor drains and clean out location.
- All slopes for horizontal drainage shall maintain 2% unless otherwise specified.
- Size of water supply pipes to fixtures shall be in accordance with the plumbing plan
- The contractor shall verify the source of water at the site and coordinate the work with the service line connection point unless otherwise specified.
- All pipe sizes and dimensions are in millimeters unless otherwise specified.
- All hangers shall not be anchored at purlins, unless otherwise approved by the structural engineer.

MATERIALS SPECIFICATIONS

- Main distribution lines connecting to nearby source of water shall be PPR Pipe, PN-20 and for the supply of water inside the building shall be using polypropylene random copolymer (PPR) pipe, PN-20.
- Sewer pipes- shall be polyvinyl chloride (PVC) pipe, series 1000 or approved equal.
- Waste pipes- shall be polyvinyl chloride (PVC) pipe, series 1000 or approved equal.
- Vent pipes- shall be polyvinyl chloride (PVC) pipes, series 1000 or approved equal.
- Storm drainage lines- for inside building, shall be polyvinyl chloride (PVC) pipes, series 1000 or approved equal.

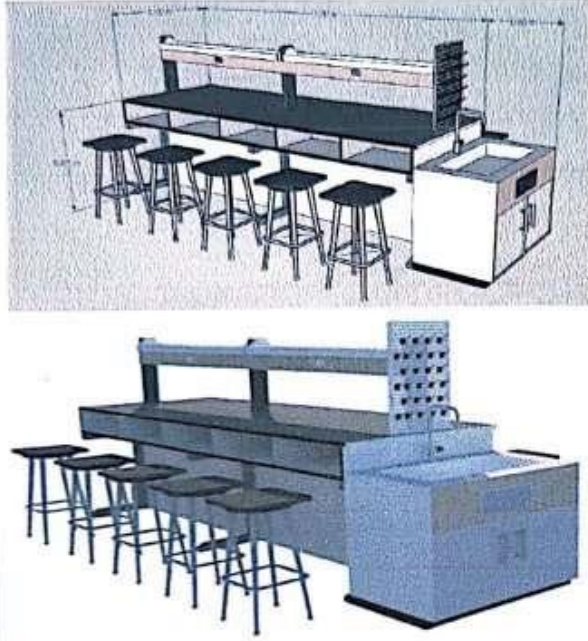
POTABLE WATER LINES		SANITARY DRAINAGE AND VENT LINES	
EQUIVALENT PIPE DIAMETER		EQUIVALENT PIPE DIAMETER	
Nominal Pipe Diameter (mm)	Polypropylene Random (PPR) Pipe PN20 (mm)	Nominal Pipe Diameter (mm)	Soil and Vent Piping Polyvinyl Chloride (PVC) Pipe -Series 1000 (mm)
15	25	50	63
20	32	75	90
25	40	100	110
32	50	150	160
40	63	200	200
50	75	250	250

65	90	300	
75	110	375	
MAXIMUM SPACING OF PIPE SUPPORT		MAXIMUM SPACING OF PIPE SUPPORT	
Pipe Diameter (mm)	Polypropylene Random (PPR) Pipe (m)	Pipe Diameter (mm)	Polyvinyl Chloride (PVC) Pipe (m)
25	.75	63	.75
32	.75	90	1
40	.75	110	1
50	1	160	1.25
63	1	200	1.25
75	1	250	1.5
90	1.25	300	1.5
110	1.25	375	1.75
STORM DRAINAGE LINES			
Nominal Pipe Diameter (mm)	Polyvinyl Chloride (PVC) Pipe-Series 1000 (mm)	High Density Polyethylene (HDPE) Pipe-PE 80/PN 6 (mm)	
50	63		
75	90		
100	110		
150	160		
200	200		
250	250		
300	315		
350		400	
400		450	
450		500	
MAXIMUM SPACING OF PIPE SUPPORT			
Pipe Diameter (mm)	Polyvinyl Chloride (PVC) Pipe (m)	High Density Polyethylene (HDPE) (mm)	
63	.75		
90	1		
110	1		
150	1.25		
200	1.25		

D. SUPPLY AND INSTALLATION OF LABORATORY FURNITURES AND FIXTURES

- Contractor shall provide samples of all laboratory furniture's and fixtures for the completion of the project.

1. LABORATORY CENTER TABLE WITH SINK AND 10 LAB STOOLS (See image below for reference)



GENERAL SPECIFICATIONS:

Countertop:
Acid/Chemical/Heat resistant and non-porous machine model solid phenolic resin laboratory top 18mm, black color matte finish.

Base and Base Cabinet:
Chemical and impact resistant compact grade phenolic resin board sub-counter top assembly (open shelves), reagent rack and sink base shelves), reagent rack and sink base cabinet with hydraulic type concealed hinges swing door; Epoxy coated tubular steel base frame and legs with adjustable leveler.

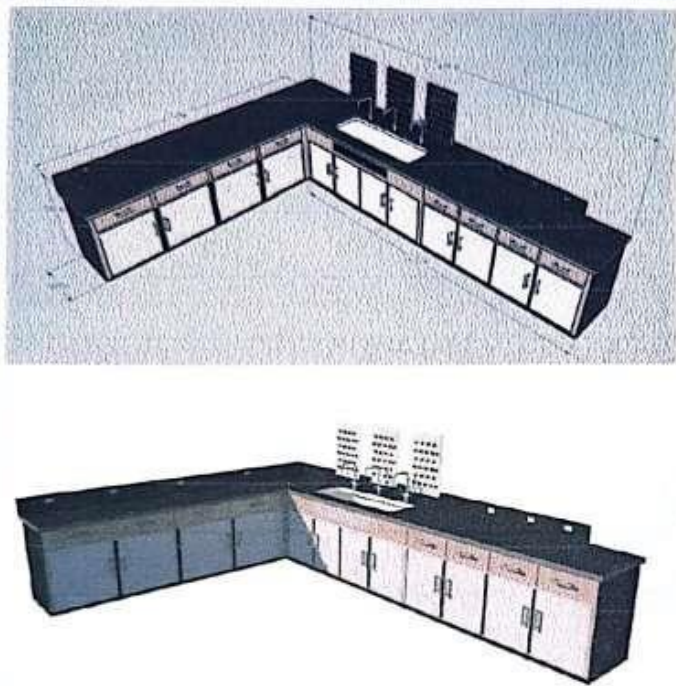
Fixtures:
Lab-grade gooseneck water faucet with nozzle and isolation valve for tap water; Acid/Chemical resistant sink bowl with complete drain fittings; 2-gang electrical outlet 220v; Acid/Chemical resistant pegboard with 19 PP pegs.

Lab Stools:
Chemical and impact resistant compact grade phenolic resin board seat with epoxy coated solid steel frame and legs; With rubber footing.

ITEM NAME: LABORATORY CENTER TABLE WITH SINK AND 10 LAB STOOLS
DIMENSION (L x W x H) : 3.60m x 1.0m x 0.85m)



2. LABORATORY SIDE TABLE WITH SINK (L-SHAPED) (See Image below for reference)



GENERAL SPECIFICATIONS:

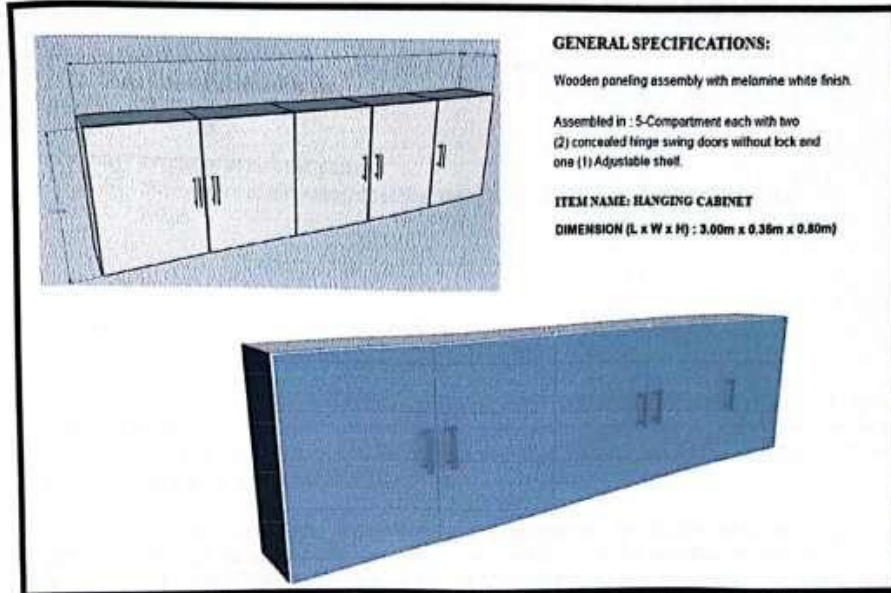
Countertop:
Acid/Chemical/Heat resistant and non-porous machine model solid phenolic resin laboratory top 18mm, black color matte finish.

Base and Base Cabinet:
Chemical and impact resistant compact grade phenolic resin board base and sink base cabinet with hydraulic type concealed hinges swing door.

Fixtures:
Lab-grade gooseneck water faucet with nozzle and isolation valve for tap water; Acid/Chemical resistant sink bowl with complete drain fittings; 2-gang electrical outlet 220v; Acid/ Chemical resistant pegboard with 19 PP pegs.

ITEM NAME: LABORATORY SIDE TABLE WITH SINK L-SHAPED
DIMENSION (L x W x H) : 3.25m x 0.65m x 0.85m)
DIMENSION (L x W x H) : 4.35m x 0.65m x 0.85m)

3. HANGING CABINET (See Image below for reference)



IV. PROJECT IMPLEMENTATION

A. Pre-Construction

- a) Prepares of the PERT-CPM and Gantt Chart with S-Curve of the construction phase.
- b) Provides all other necessary documents that shall be required in the construction

B. Construction Phase

- a) Implements all works indicated in the approved construction drawings and documents. All revisions and deviation front the approved plans, especially if it shall impact the overall cost of the project. Shall be subjected for approval.
- b) The contractor shall observe 5S after each work is completed
- c) The contractor shall conduct general cleaning/site clearing after the overall work is complete.
- d) Constructs the buildings and other necessary structures, complete with utilities and finishes, resulting in operable and usable structures.
- e) Layouts piping, conduits, manholes, boxes and other lines for utilities including tapping to existing utility lines.
- f) Coordinates with the Project-In-Charge regarding the scheduling of material, furniture's and fixtures, and equipment deliveries.
- g) Conducts all necessary tests required by CNU and issue reports of results.
- h) Rectifies punch-listing works to be inspected and issued by the CNU Project-In-Charge/or the End-user.

- i) Complies with the DOLE-OSH requirements and submit periodic reports concerning occupational safety and health.
- j) Provides all other necessary documents required by the CNU/End-user

C. Post Construction Phase

- a) Prepares of as-built plans
- b) Turn-overs of all material testing results, certificates and warranties of installed items.

V. INSTALLATION AND WORKMANSHIP

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

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

VI. MATERIALS

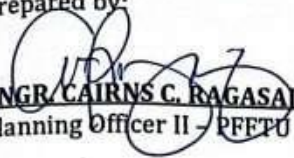
All materials, laboratory furniture, fixtures, and equipment shall be standard products of manufacturers engaged in the production of such items and shall be the manufacturers' latest standard design.

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

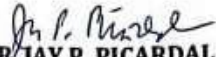
All materials shall be in conformance with the latest standards and with inspection and approval from CNU Project-In-Charge.



Prepared by:

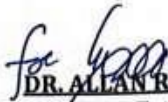

ENGR. CAIRNS C. RAGASA
Planning Officer II - PFFTU

Recommending Approval:


DR. JAY P. PICARDAL
DIRECTOR - RITBPB

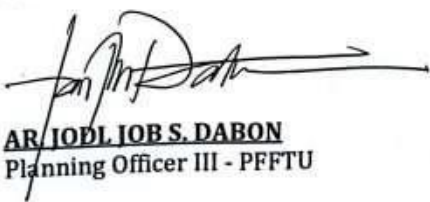
Checked and Verified by:


ENGR. ARTURO S. YAP, JR.
GSU Focal Person / Electrical Engineer


DR. ALLAN ROY B. ELNAR
VP-Finance, External Affairs and Administration

Approved by:

Certified Correct by:


AR. IOIDL JOB S. DABON
Planning Officer III - PFFTU


DR. DANIEL A. ARIASO, SR.
SUC PRESIDENT - III

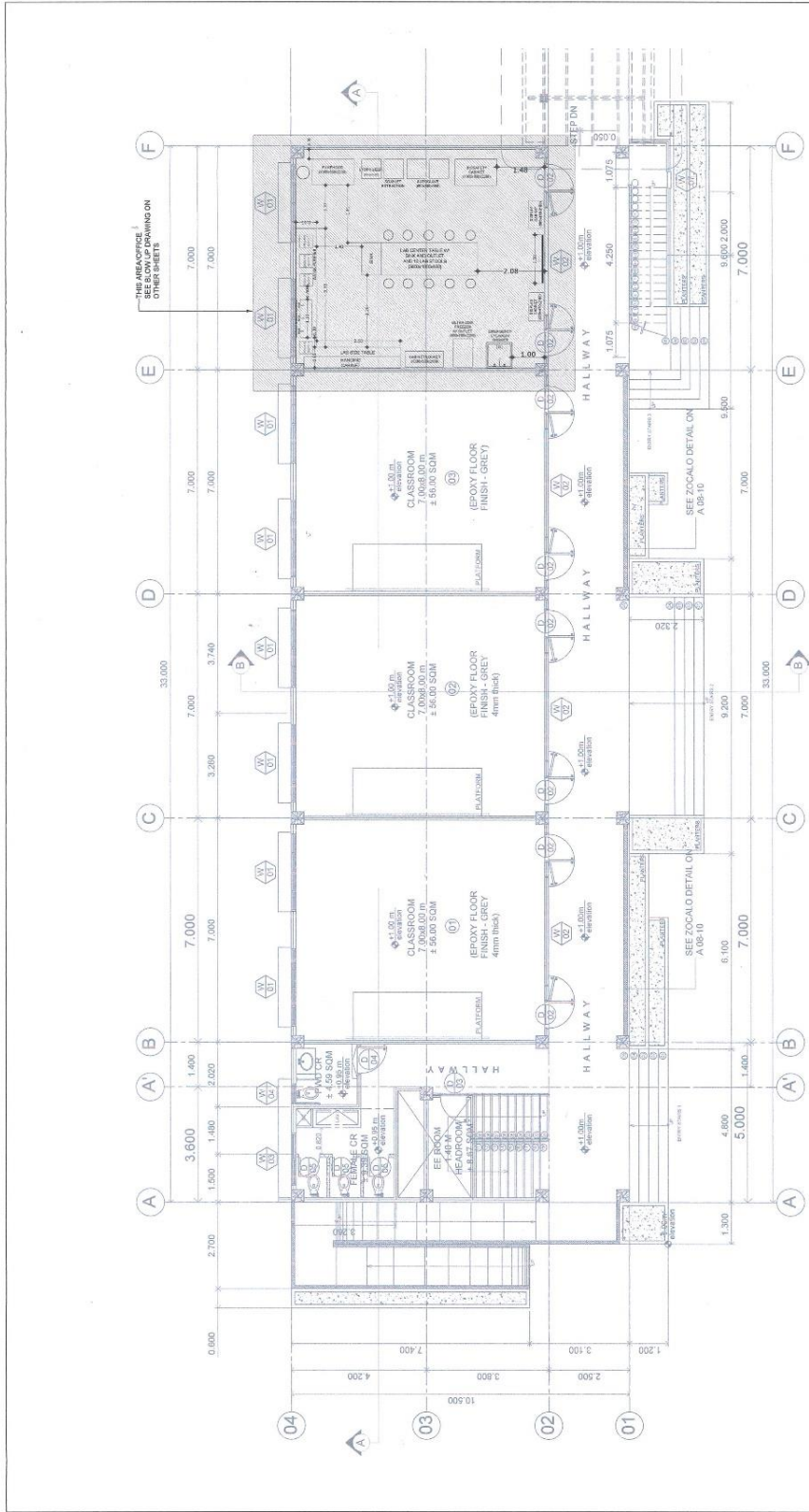
Verified and Certified by:


DR. IESON A. BUSTAMANTE
DIRECTOR - PFFTU

Section VII. Drawings

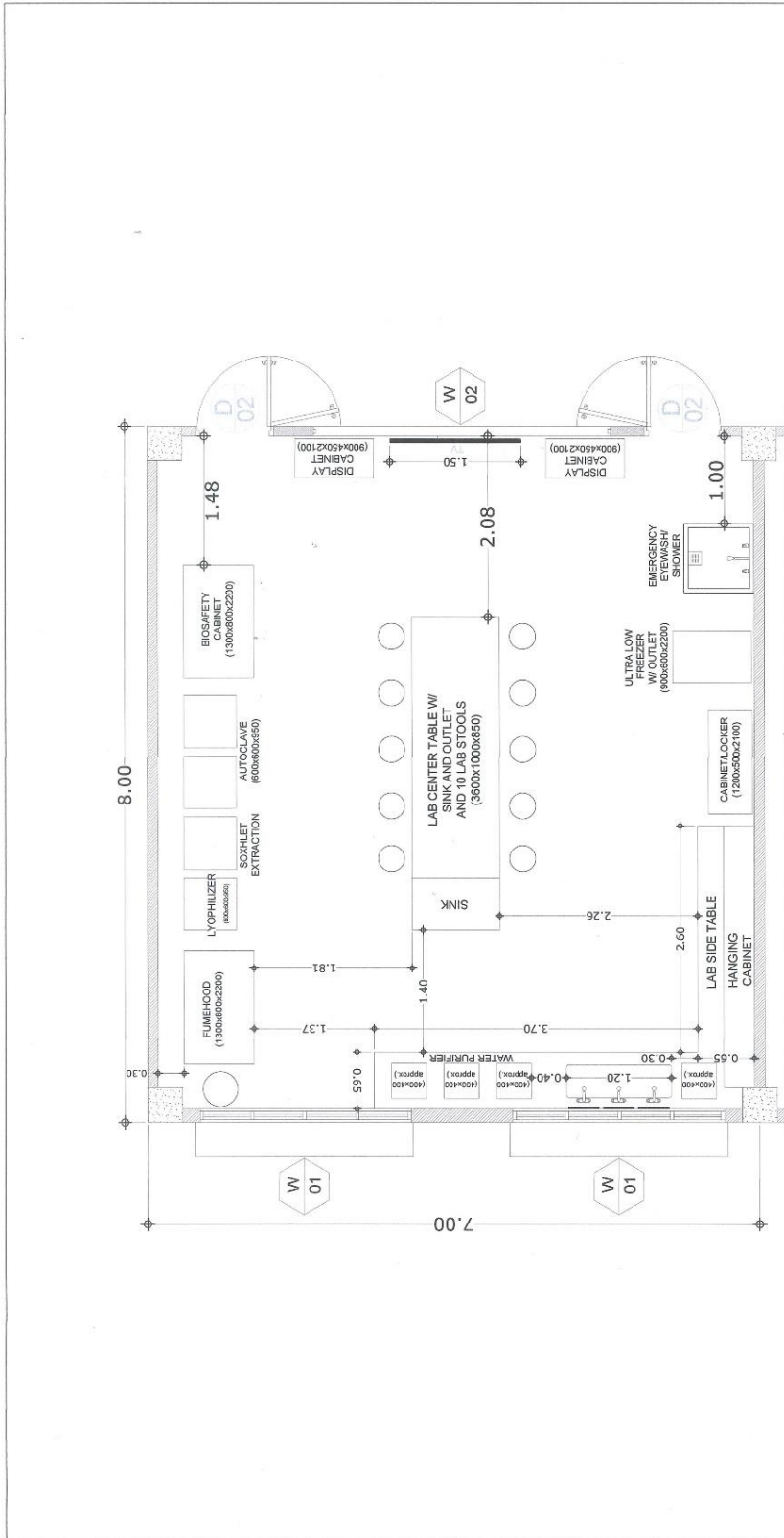


	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omerita Boulevard Cebu City	DESIGN PROCEDURE: CURVE PROCEDURE PROJECT REF:	CHECKED AND CORRECTED BY: ENGR. JUAN S. TAGASALO ARCHITECTURAL CONSULTANT	CHECKED AND VERIFIED BY: ENGR. ARTURO S. LAP, JR. ARCHITECTURAL CONSULTANT	CONCURRED BY: ATTY. CHRISTINA D. D. BIN, JD LEGAL COUNSEL	RECOMMENDED BY: DR. F. LURDELINTE ESCARDA RECOMMENDATION: APPROVED	APPROVED BY: DR. DANIELA A. ARASO, BR VICE PRESIDENT III	SHEET NO.: A-01
	DATE: 08-09-2024 PROJECT:	PROPOSED CHOICE LABORATORY & BALAMBAN CAMPUS	CHECKED AND CORRECTED BY: ENGR. CHRISTOPHER ANTONIO BOGUILLOS ARCHITECTURAL CONSULTANT	CHECKED AND VERIFIED BY: MR. JODILYN S. DABON PLANNING OFFICER III	CONCURRED BY: DR. JOYAN F. PICARDAL DIRECTOR OF DEPT. OF REPS	RECOMMENDED BY: DR. JOSEPH ELVAR C. TUBILAN VICE PRESIDENT FOR ADMINISTRATION	APPROVED BY: DR. DANIELA A. ARASO, BR VICE PRESIDENT III	SHEET NO.: 14



SCLAB (SCLAB/LAMBAN)
GROUND FLOOR PLAN
SCALE: 1/40

	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Donata Boulevard, Cebu City	SUBJECT TITLE: PROPOSED SCIENCE LABORATORY AT LAMBAN CAMPUS	DALLORP NUMBER: COMP-FR-029	CHECKED AND VERIFIED BY: ENGR. JACQUES YAP JR. (SEAL)	CHECKED BY: ENGR. MARVIN C. RAGANAO (SEAL)	REVISIONS: ENGR. CHRISTIAN ALVARO ARGUILLOS (SEAL)	APPROVED BY:  DR. DANIELA ARISAO SR. (SEAL) SUC. PRESIDENT III 3640	SHEET NO.: A-02
	CRAFTSMAN: MARCOS A. ENQUITO	DATE: 04/08/2024	LOCATION: HINDOG, MALABARCES	RECOMMENDED BY: DR. FLORDELYN E. ESCARDA (SEAL) RECOMMENDED BY: DR. JOSEPH EMIR C. TUBILAN (SEAL) VICE PRESIDENT FOR ADMINISTRATION	CONCURRED BY: ATY. CHRISTINA DE D. BIEN JD. (SEAL) DR. MAY P. RICAROL (SEAL) DIRECTOR FOR STRIPS	SHEET CONTENT: GROUND FLOOR PLAN	SHEET NO.: 14	



SECTION 11.15 (CONTINUED) LABS
A GROUND FLOOR PLAN
 SCALE: 1/15

 CEBU NORMAL UNIVERSITY Office of the Registrar Cebu Normal University 1000 S. Obrero Blvd., Cebu City	PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS	CHECKED AND WRITTEN BY: ENGR. ARTURO S. VAP, JR. (Professional Engineer, Civil)	CHECKED AND WRITTEN BY: ENGR. WILSON C. RAMAÑO (Professional Engineer, Mechanical)	CHECKED AND WRITTEN BY: ENGR. CHENGGUO ALVAREZ ARSULO (Professional Engineer, Electrical)	PROJECT NO.: A-03
	DATE: 08/08/2024	PROJECT NO.: 14	APPROVED BY:  DR. FLORENCIO ESCARDA CHIEF ADMINISTRATIVE OFFICER	APPROVED BY:  DR. DANIEL A. ARASO SR. RUC PRESIDENT III	APPROVED BY:  DR. FLORENCIO ESCARDA CHIEF ADMINISTRATIVE OFFICER







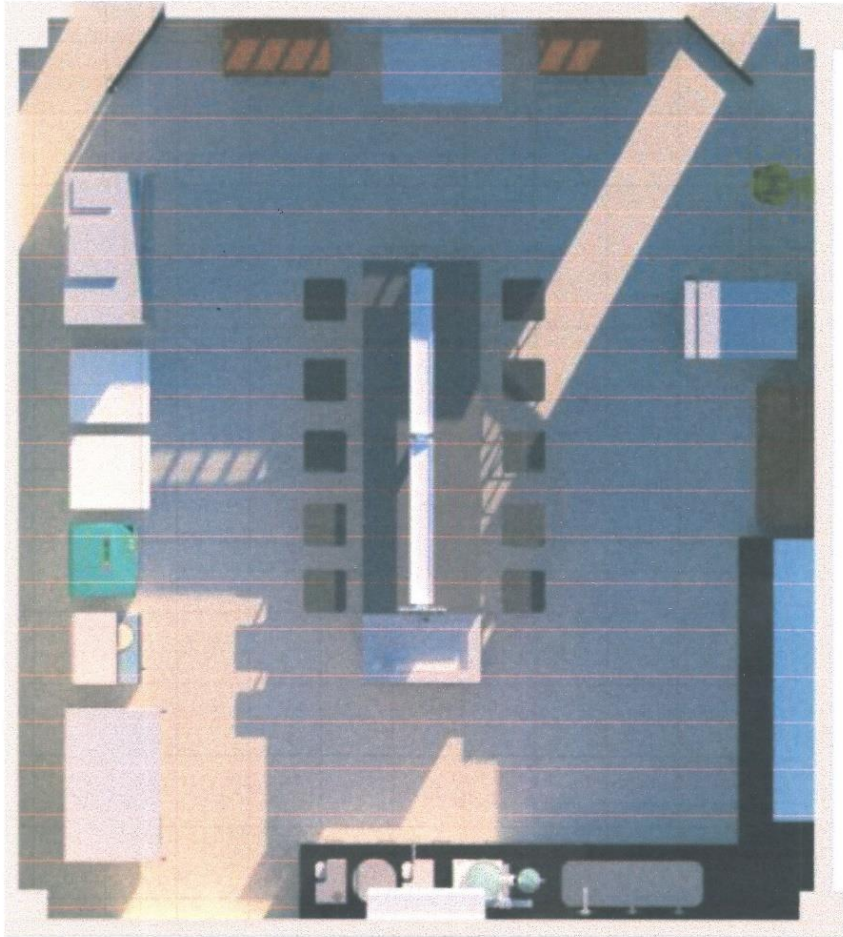
SCI LAB (CNU-BALAMBAN)
SECTION THRU "A-A"
SCALE 1/4" = 1'-0"




	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omelia Boulevard Cebu City	DESIGN PROPOSER: CONF PROPOSER BY PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS	REVIEWED AND APPROVED BY: ENR. MARVIN C. BANGSALAO CHIEF ENGINEER (REGISTERED PROFESSIONAL ENGINEER - CIVIL) REGISTERED PROFESSIONAL ENGINEER - CIVIL REGISTERED PROFESSIONAL ENGINEER - CIVIL	CHECKED AND VERIFIED BY: ENR. ARTURO S. YAP, JR. CHIEF ENGINEER (REGISTERED PROFESSIONAL ENGINEER - CIVIL) REGISTERED PROFESSIONAL ENGINEER - CIVIL REGISTERED PROFESSIONAL ENGINEER - CIVIL	CONSULTING ENGINEER: ATY. CHRISTOPHER B. BENJID REGISTERED PROFESSIONAL ARCHITECT REGISTERED PROFESSIONAL ARCHITECT	RECOMMENDED BY: DR. FLORENCE E. ESCARDA CHIEF ADMINISTRATIVE OFFICER CHIEF ADMINISTRATIVE OFFICER	APPROVED BY: DR. DANIEL A. ARVASO, SR. DEAN DEAN	SHEET NO.: A-05
	DATE: 09/30/2024 REVISION:	PROJECT LOCATION: LABORATORY AT BALAMBAN CAMPUS	REGISTERED PROFESSIONAL ARCHITECT MARCELO M. TORRES REGISTERED PROFESSIONAL ARCHITECT	REGISTERED PROFESSIONAL ARCHITECT DR. LOUIS C. TURIBAN REGISTERED PROFESSIONAL ARCHITECT	REGISTERED PROFESSIONAL ARCHITECT DR. DANIEL A. ARVASO, SR. REGISTERED PROFESSIONAL ARCHITECT	REGISTERED PROFESSIONAL ARCHITECT DR. DANIEL A. ARVASO, SR. REGISTERED PROFESSIONAL ARCHITECT	REGISTERED PROFESSIONAL ARCHITECT DR. DANIEL A. ARVASO, SR. REGISTERED PROFESSIONAL ARCHITECT	SHEET NO.: 14

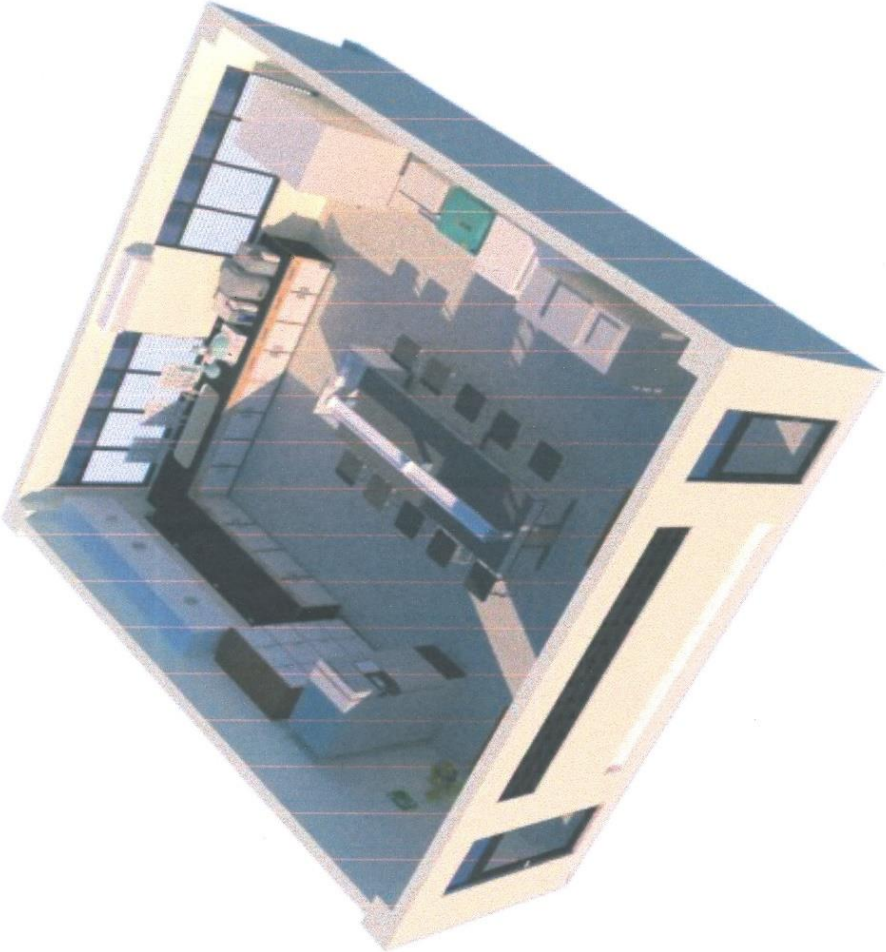




SECTION THRU "A-A"
SCALE: 1/25

	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omella Boulevard Cebu City Cebu, Philippines	COLLEGE PROCESSING CORE PROCESS 2P PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS LOCATION: TINDAGA, BALAMBAN CEBU	PROJECT NO.: A-06 SHEET NO.: 14
	DATE: 10.09.2024 DRAWN BY: MARICEL T. MARIANO CHECKED BY: DR. DANIELA A. KRASO, SR. SEC. PRESIDENT III	APPROVED BY: 	RECOMMENDED BY: DR. FLORENCE WYLE ESCARDA CHIEF, COLLEGE OFFICE
CHECKED AND VERIFIED BY: ENGR. ARTURO S. AP, JR. PROFESSIONAL REGISTERED ENGINEER (RPE) REGISTERED PROFESSIONAL ARCHITECT (RPA)	CONCLUDED BY: AFY CHRISTINA LUIE B. BIEN, JD REGISTERED PROFESSIONAL ARCHITECT (RPA)	RECOMMENDED BY: DR. JOSEPH M. C. TURIBAN SEC. PRESIDENT III	APPROVED BY: 
PROJECT NO.: A-06	SHEET NO.: 14	RECOMMENDED BY: DR. JOSEPH M. C. TURIBAN SEC. PRESIDENT III	APPROVED BY: 








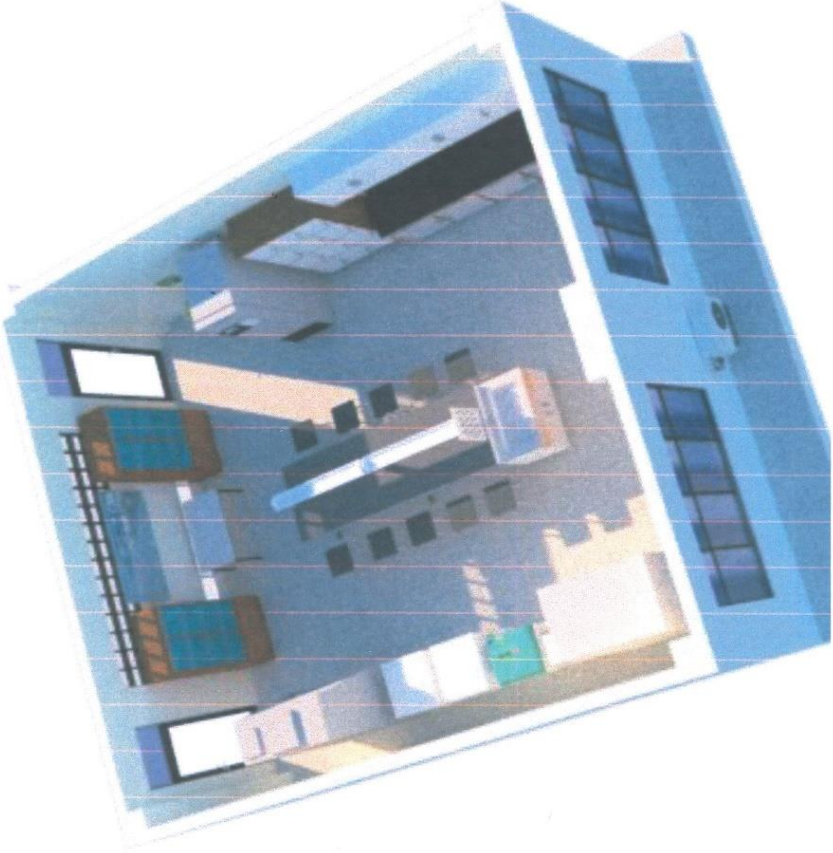
	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omella Blvd., Cebu City	680, CORE PROCESS, CORE PROCESS 22 PROJECT TITLE:	DRAWING CHECKED BY: ENGR. JAY P. DABSON PLANNING OFFICER III - PPTU CHECKED AND VISITED BY: ENGR. JAY P. DABSON, JR. EDUCATIONAL OFFICER III - ERU	CHECKED AND VERIFIED BY: ENGR. DANIEL A. ABASO, JR. PLANNING OFFICER IV GERMIE E. COPES, JR. AS. JAY P. DABSON PLANNING OFFICER III - PPTU	CONCURRED BY: DR. EDUARDO M. DEL BLEN CHIEF OF OFFICE CONCURRED BY/NO. USE: DR. JOSETE M. TUBILAN DIRECTOR FOR ERU	RECOMMENDING APPROVAL: DR. EDUARDO M. ESCOBAR CHIEF OF OFFICE RECOMMENDING APPROVAL: DR. JOSETE M. TUBILAN VICE-CHIEF OF OFFICE FOR ADMINISTRATION	APPROVED BY:  DR. DANIEL A. ABASO, JR. SAC, PRESIDENT III 	SHEET CONTENTS: *PERSPECTIVE GENERAL SERVICES UNIT	SHEET NO.: A-07 14
	CAGI DRAFTED BY: MARICRES A. ENGUITO Draftsman DATE: 05-07-2024 REVISED: -----	PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS LOCATION: MANGKA BALAMBAN CEBU							





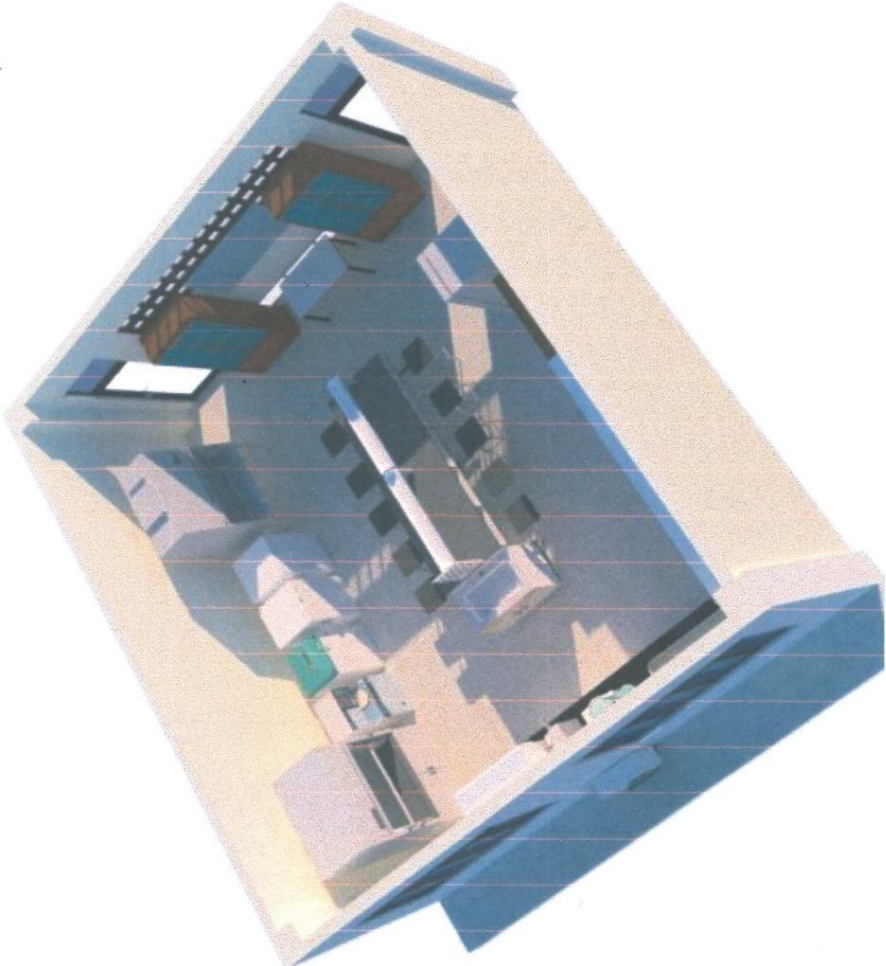
	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Ormaña Blvd., Cebu City	CSU CORE PROCESS - CORE PROCESS 22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS LOCATION: MANGSA, BALAMBAN, CEBU	DESIGNED AND CHECKED BY: ENGR. JUAN CARLOS S. DABON EDUCATIONAL OFFICER III - CSU	CHECKED AND VERIFIED BY: ENGR. CHRISTOPHER M. F. ARBOGLOS ASST. OFFICER IV CERTIFIED CORRECT BY: AB. JUDILIO S. DABON PLANNING OFFICER III - PFTU	CONCLUDED BY: DR. JESSE M. DE B. BIEN CHIEF OF CSU COMMUNITY/UPD-USER: DR. A. P. ESCOBAR DIRECTOR FOR ITRMB	RECOMMENDATION APPROVAL: DR. EDUARDO M. E. ESCOBAR CHIEF ADMINISTRATION OFFICER RECOMMENDATION APPROVAL: DR. JOSE M. DEL ROSARIO VICE PRESIDENT FOR ADMINISTRATION	APPROVED BY:  SAC PRESIDENT III	SHEET NO.: A-08 GENERAL SERVICES UNIT
	CAD GRANTED BY: MARISSA A. ENQUITO Draftsman DATE: 05-07-2024 REVISED: -----	SHEET NO.: 14						












	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omnia Bldg., Cebu City	GSU CORE PROCESS: CORE PROCESS 22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS	SHEET NO.: A-09
	CAD/DRAFTED BY: MARIORIS A. ENGLUITO Draftsman	DATE: 02-07-2024 REVISED: ---	LOCATION: MANIRA, BALAMBAN, CEBU
APPROVED BY:  DR. DANIEL A. ARISCO, SR. SUC PRESIDENT III		RECOMMENDATION/APPROVAL:  DR. ELISEO VAN E. ESCARDA CHIEF ADMINISTRATIVE OFFICER RECOMMENDATION BY:  DR. JOSE M. C. TABILAN VICE PRESIDENT FOR ADMINISTRATION	SHEET NO.: 14
REVIEWER AND CHECKED BY:  ENGR. JOSEPH B. BANZALD PLANNING OFFICER III - PPTU CHECKED AND VERIFIED BY:  ENGR. ARDULOS ADMIN OFFICER IV CERTIFIED PROJECT PLANNING OFFICER III - PPTU	CHECKED AND VERIFIED BY:  ENGR. ARDULOS ADMIN OFFICER IV CERTIFIED PROJECT PLANNING OFFICER III - PPTU	CONCLUDED BY:  ATTY. JOSE M. C. TABILAN OFFICER IN CHARGE, GSU CONCERNED OFFICERS:  ATTY. JOSE M. C. TABILAN DIRECTOR FOR BTRPS	APPROVED BY:  DR. DANIEL A. ARISCO, SR. SUC PRESIDENT III



	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Cometa Blvd., Cebu City CAD/DRAFTED BY: MARICRIS A. ENGLITO Draftsman DATE: 05-07-2024 REVISED: ---	GSI CORE PROCESS: CP-22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS LOCATION: MANGSA, BALAMBAN CEBU	REVIEWING OFFICER BY: ENGR. JAMES C. RANONCALO PLANNING OFFICER II - PPTU CHECKED AND APPROVED BY: ENGR. ARNOLD V. DELA CRUZ POC/PLANNING OFFICIAL, PPTU, CSU	CHECKED AND REVIEWED BY: ENGR. CHRISTIAN ANTON R. ANDRULLOS ADMIN OFFICER IV CERTIFIED COPY BY: ENGR. JESSE C. TORRES PLANNING OFFICER II - PPTU	CONCURRED BY: ATTY. JEROME L. GRIEN OFFICER-IN-CHARGE, CSU CONCURRED BY (INDICATE): DR. JOSEPH M. C. LIBRARI DEPUTY CHIEF OF BUREAU	RECOMMENDING APPROVAL: DR. ELIBEN V. E. ESCARDA CHIEF ADMINISTRATIVE OFFICER RECOMMENDED BY: DR. JOSEPH M. C. LIBRARI DEPUTY CHIEF OF BUREAU	APPROVED BY:  DR. DANIEL A. ARMADO, SR. SUC-PRESDIRIT II	SHEET CONTENTS: PERSPECTIVE GENERAL SERVICES UNIT	SHEET NO.: A-10 14
---	--	---	--	---	--	---	--	--	--



	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Ormaña Blvd., Cebu City	GSU CORE PROCESS: CP-22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS	REVIEWED AND CHECKED BY:  ENGR. ARNEL C. BARASALO DIRECTOR OF CEN II (PFTU) CHECKED AND VERIFIED BY:  ENGR. ARNEL C. BARASALO DIRECTOR OF CEN II (PFTU)	CHECKED AND VERIFIED BY:  ENGR. CHRISTIAN ALVIN ARDUelos ADMIN. OFFICER IV CERTIFIED CONSULTANT	CONCURRED BY:  DR. FERDINAND M. DE BRIEN OFFICER IN CHARGE, GSU RECOMMENDED BY (INC-USE):  DR. FERDINAND M. DE BRIEN DIRECTOR FOR BTRPRA	RECOMMENDING APPROVAL:  DR. FERDINAND M. DE ESCARDA CHIEF ADMINISTRATIVE OFFICER RECOMMENDED BY (INC-USE):  DR. FERDINAND M. DE BRIEN CHIEF OF BUREAU OF ADMINISTRATION	APPROVED BY:  DR. DANIEL A. BARASALO, JR. SUC. PRESIDENT II, CNU	SHEET CONTENTS: PERSPECTIVE GENERAL SERVICES UNIT	SHEET NO.: A-11 14
---	---	--	--	---	---	--	---	---	--

GENERAL SPECIFICATIONS:

Countertop:

Acid/Chemical/Heat resistant and non-porous machine model solid phenolic resin laboratory top 18mm, black color matte finish.

Base and Base Cabinet:

Chemical and impact resistant compact grade phenolic resin board sub-counter top assembly (open shelves), reagent rack and sink base shelves), reagent rack and sink base cabinet with hydraulic type concealed hinges swing door; Epoxy coated tubular steel base frame and legs with adjustable leveler.

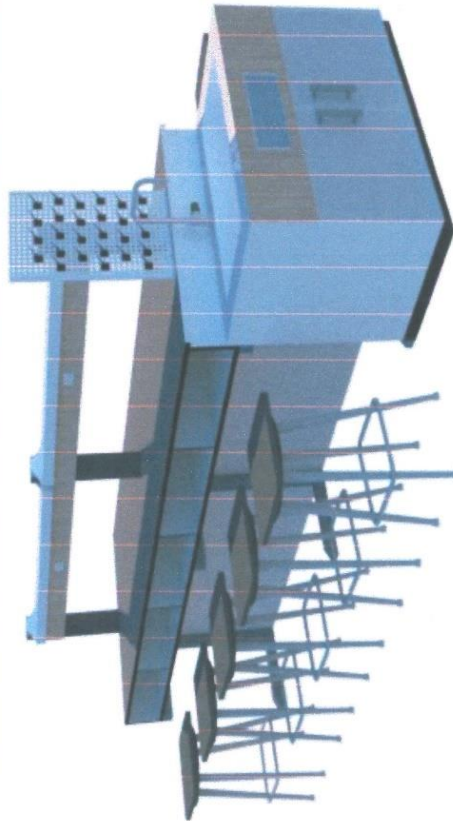
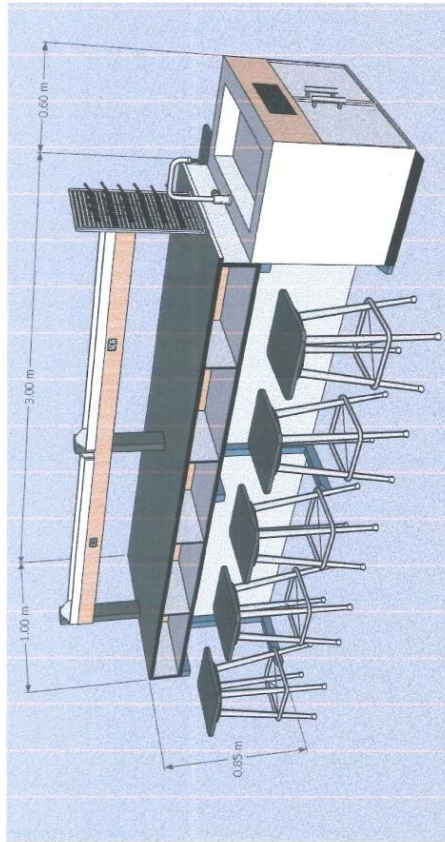
Fixtures:


Lab-grade gooseneck water faucet with nozzle and isolation valve for tap water; Acid/Chemical resistant sink bowl with complete drain fittings; 2-gang electrical outlet 220v; Acid/ Chemical resistant pegboard with 19 PP pegs.

Lab Stools:

Chemical and impact resistant compact grade phenolic resin board seat with epoxy coated solid steel frame and legs; With rubber footing.

**ITEM NAME: LABORATORY CENTER TABLE WITH SINK AND 10 LAB STOOLS
DIMENSION (L x W x H) : 3.60m x 1.0m x 0.85m)**



	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omniella Blvd., Cebu City	ECU CODE PROCESS: CP-22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT DALAMBAN CAMPUS	REVIEWER AND CHECKED BY: ERIGEL J. ARTIBIJO, VLSA, JR. SPECIALIST/LECTURER, INES, CSU	CHECKED AND APPROVED BY: ERIGEL J. ARTIBIJO, VLSA, JR. SPECIALIST/LECTURER, INES, CSU	CONCURRED BY: DR. CARABONDA, M. ED. BEN CHIEF, CHEMISTRY, CSU CONSUMED BY USER: DR. V. P. ENCARNACION DIRECTOR FOR IT/IBS	RECOMMENDING APPROVAL: DR. ENRIQUETALE ESQUEDA CHIEF, ADMINISTRATION OFFICE RECOMMENDING APPROVED: DR. J. S. TUBILAH VICE-CHIEF FOR ADMINISTRATION	APPROVED BY: DR. DANIEL A. ARBASO, SR. SUC PRESIDENT III	SHEET CONTENTS: *LABORATORY CENTER TABLE WITH SINK AND 10 LAB STOOLS GENERAL SERVICES UNIT	SHEET NO.: A-12 14
	DATE: 05-07-2024 DRAFTSMAN: MARICRIS A. ENQUITO	REVISIONS:	LOCATION: HANGSA, DALAMBAN, CEBU	PLANNING OFFICER III: JPTTU	PLANNING OFFICER III: DABON	PLANNING OFFICER III: JPTTU	PLANNING OFFICER III: DABON	PLANNING OFFICER III: JPTTU	PLANNING OFFICER III: DABON

GENERAL SPECIFICATIONS:

Countertop:

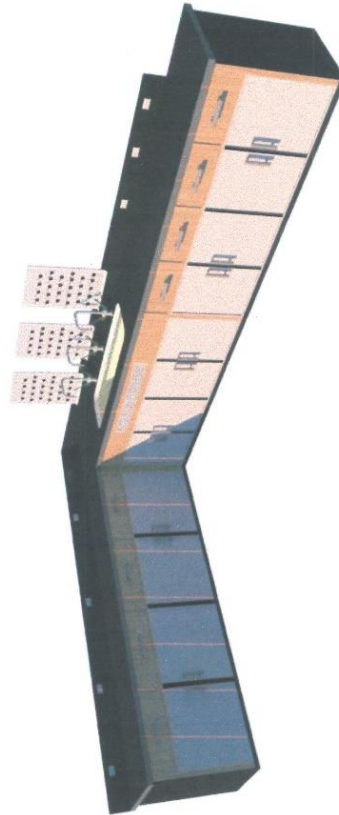
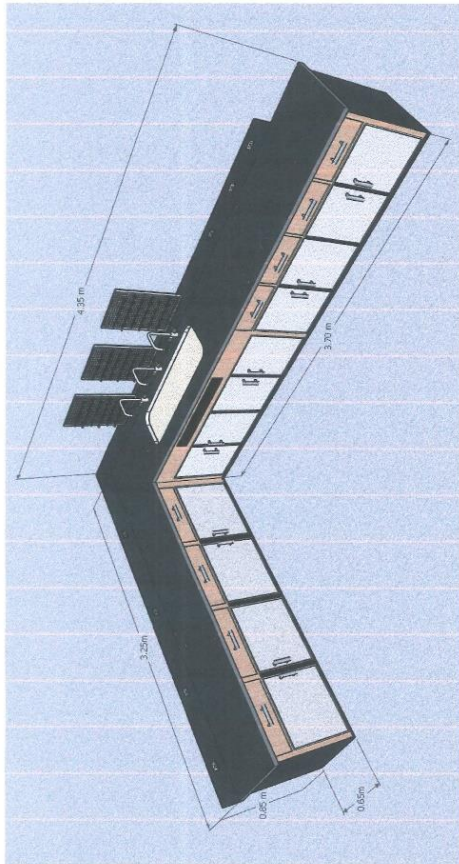
Acid/Chemical/Heat resistant and non-porous machine model solid phenolic resin laboratory top 18mm, black color matte finish.

Base and Base Cabinet:



Chemical and impact resistant compact grade phenolic resin board base and sink base cabinet with hydraulic type concealed hinges swing door.

Fixtures:

Lab-grade gooseneck water faucet with nozzle and isolation valve for tap water; Acid/Chemical resistant sink bowl with complete drain fittings; 2-gang electrical outlet 220V; Acid/ Chemical resistant pegboard with 19 PP pegs.



ITEM NAME: LABORATORY SIDE TABLE WITH SINK L-SHAPED
DIMENSION (L x W x H) : 3.25m x 0.65m x 0.85m)
DIMENSION (L x W x H) : 4.35m x 0.65m x 0.85m)

	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omnia Blvd., Cebu City	ESD CORE PROCESS: CP-22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS LOCATION: MANGSA, BALAMBAN, CEBU	DESIGNED AND DRAWN BY: ENGR. JAYRICK V. DELA CRUZ CHECKED AND VERIFIED BY: ENGR. JAYRICK V. DELA CRUZ	CHECKED AND VERIFIED BY: ENGR. GIBRAN S. ABELLADO CERTIFIED PROJECT BY: ENGR. JAYRICK V. DELA CRUZ	CONCURRED BY: ATTY. GIBRAN S. ABELLADO CONCURRED BY: ENGR. JAYRICK V. DELA CRUZ	RECOMMENDATION APPROVAL: DR. CLORINDA M. L. ESCOBAR CHIEF ADMINISTRATIVE OFFICER RECOMMENDATION APPROVAL: DR. JAYRICK V. DELA CRUZ VICE PRESIDENT FOR ADMINISTRATION	APPROVED BY:  DR. JAYRICK A. ABELLADO VICE PRESIDENT II	SHEET NO.: A-13 LABORATORY SIDE TABLE WITH SINK (SHAPED)
	CAD DRAFTED BY: MARICEL A. ENQUITO Draftsman DATE: 04-07-2024 REVISED: -----	PUMPING OFFICER III - PFTU ENGR. JAYRICK V. DELA CRUZ	DIRECTOR FOR FINANCE ENGR. JAYRICK V. DELA CRUZ	DIRECTOR FOR FINANCE ENGR. JAYRICK V. DELA CRUZ	DIRECTOR FOR FINANCE ENGR. JAYRICK V. DELA CRUZ	DIRECTOR FOR FINANCE ENGR. JAYRICK V. DELA CRUZ	GENERAL SERVICES UNIT 14	SHEET NO.: 14

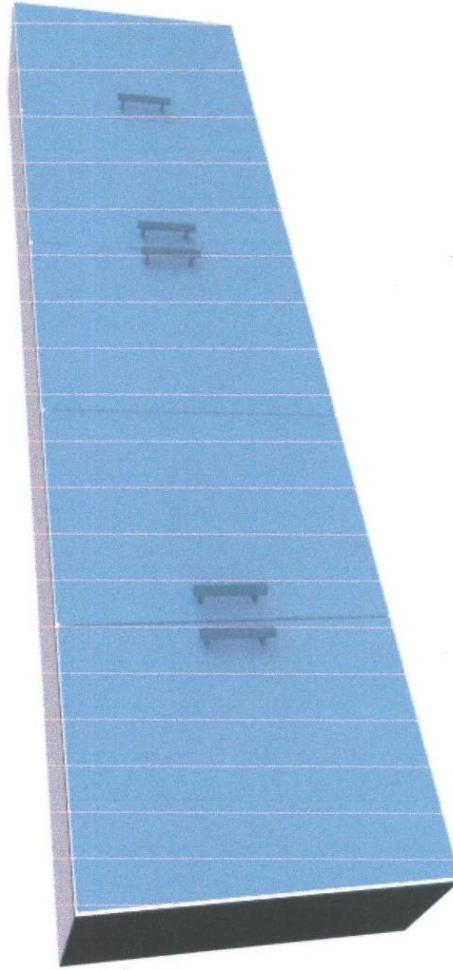
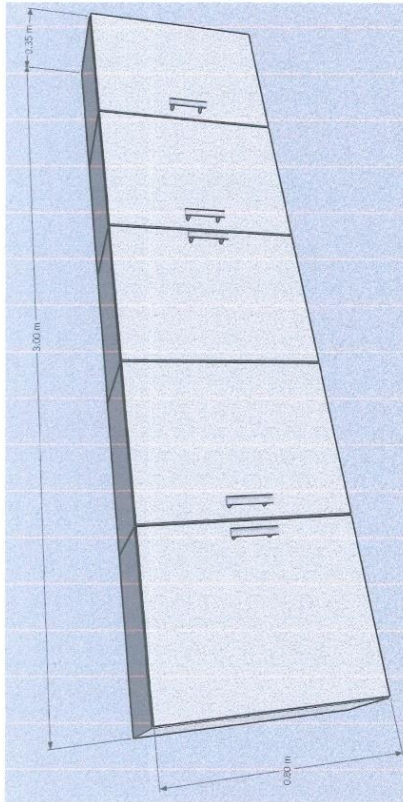
GENERAL SPECIFICATIONS:


Wooden paneling assembly with melamine white finish.

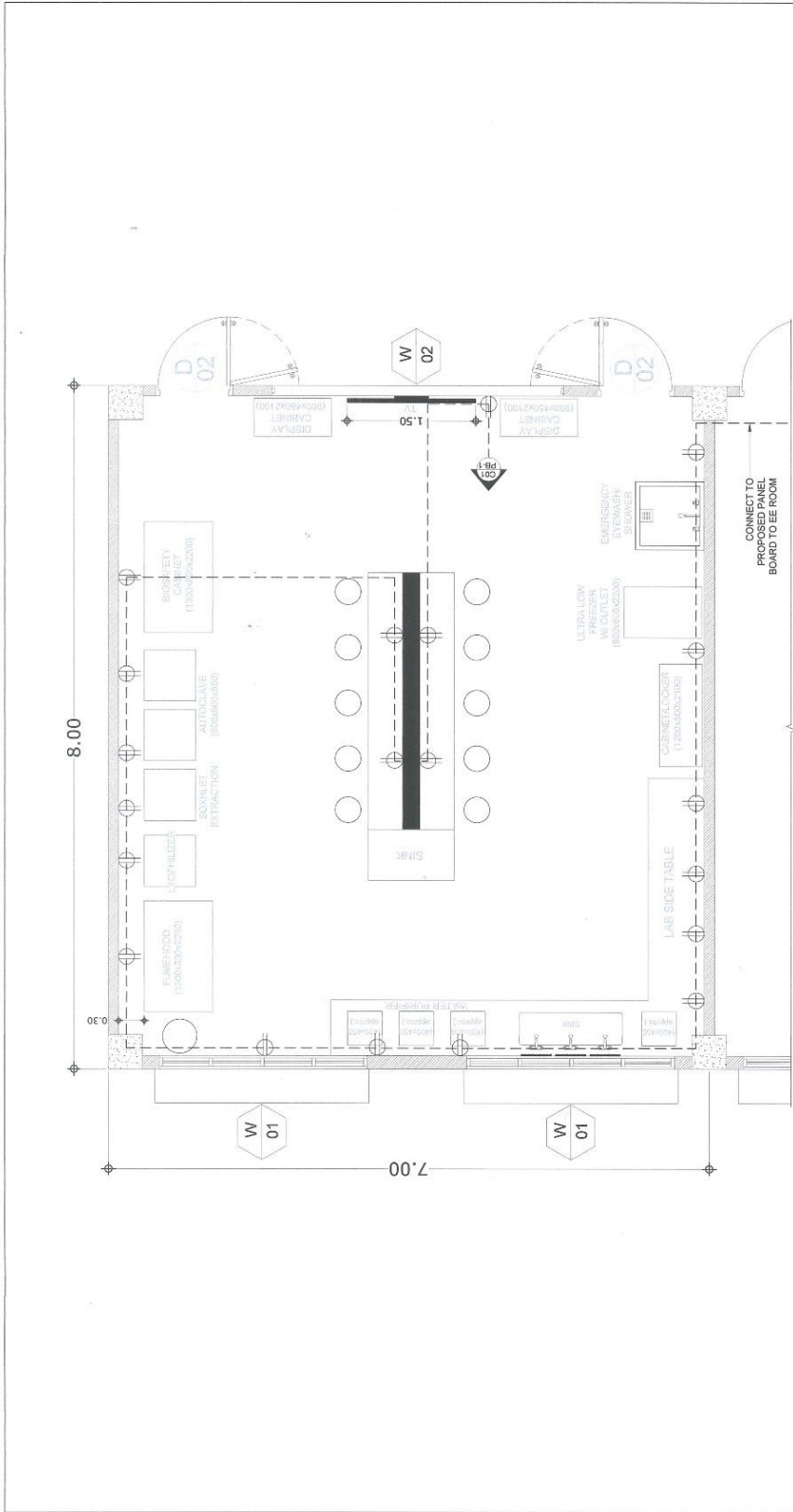
Assembled in : 5-Compartment each with two (2) concealed hinge swing doors without lock and one (1) Adjustable shelf.

ITEM NAME: HANGING CABINET

DIMENSION (L x W x H) : 3.00m x 0.35m x 0.80m

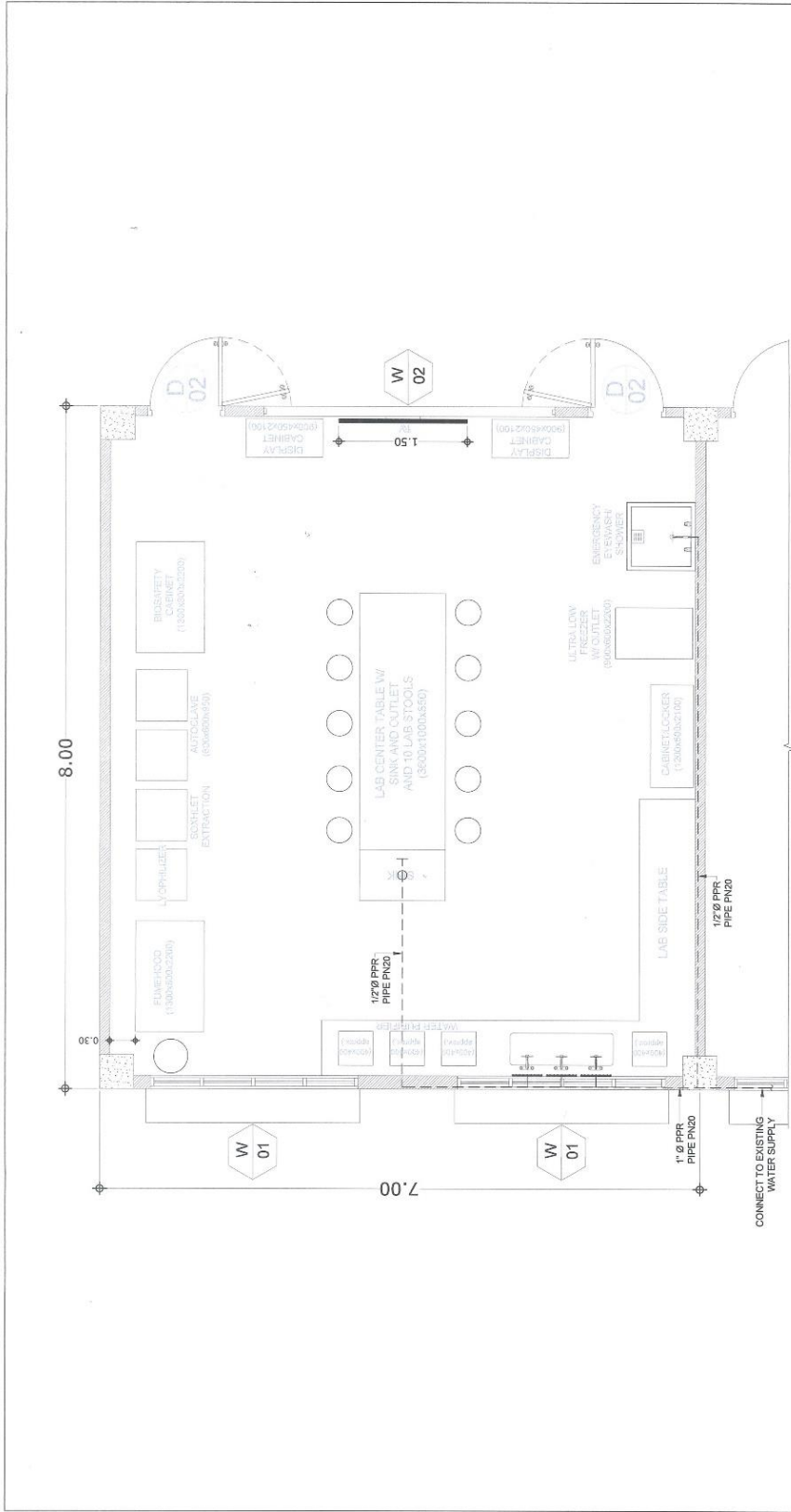


	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omnia Blvd., Cebu City	680 CORE PROCESSES - CP-22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS LOCATION: MANGELA BALAMBAN CEBU	CAD/DRAWN BY: MARICRES A. ENQUITO Draftsman DATE: 05-07-2024 REVISION: -----	REVIEWED/REDESIGNED BY: ERICSON S. BARRERA Cebu Normal University OFFICED AND VERIFIED BY: ERICSON S. BARRERA JR. PSC-APP/PROV/LECT/CP-22/ENR-COU	CHECKED AND DRAFTED BY: ERICSON S. BARRERA Cebu Normal University CERTIFIED OFFICER BY: ERICSON S. BARRERA JR. PSC-APP/PROV/LECT/CP-22/ENR-COU	CONCURRED BY: DR. JOSEPH M. DE OBIEN CHIEF ADMINISTRATIVE OFFICER CONCURRED BY: DR. JOSEPH M. DE OBIEN CHIEF ADMINISTRATIVE OFFICER	RECOMMENDING APPROVAL: DR. ELIZABETH M. E. ESQUIBIA CHIEF ADMINISTRATIVE OFFICER RECOMMENDING APPROVAL: DR. JOSEPH M. DE OBIEN CHIEF ADMINISTRATIVE OFFICER	APPROVED BY: DR. DOLORES A. ABASCO, SE. SUC PRESIDENT III 04-20	SHEET CONTENTS: HANGING CABINET	SHEET NO.: A-14
	GENERAL SERVICES UNIT 14									



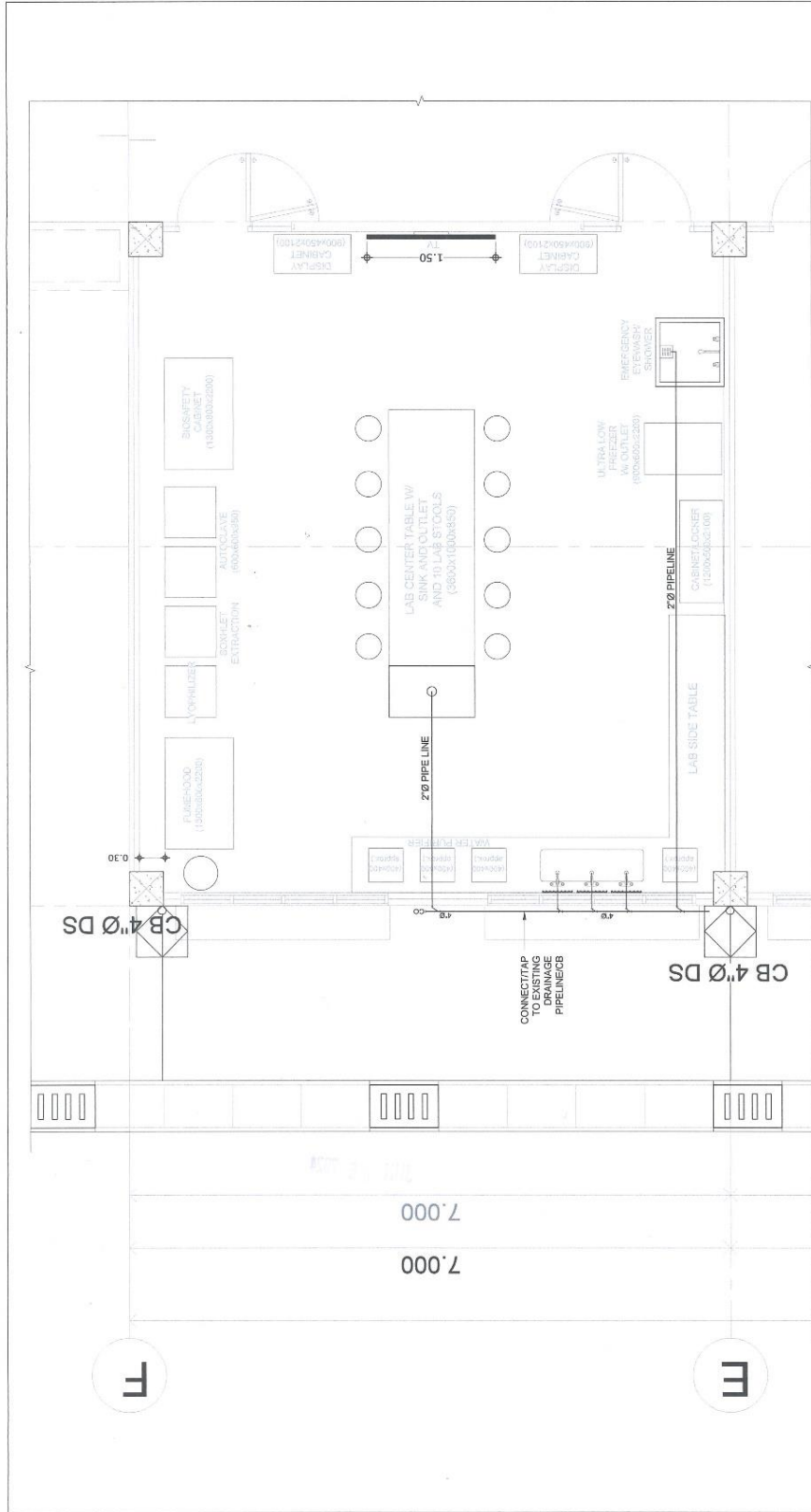
A
 SCLLAB (SCL-BALAMBAN) BLOW-UP
 GROUND FLOOR PLAN (POWER LAYOUT)
 SCALE 1:15

 REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Omnia Boulevard Cebu City CEBU DIVISION OFFICE MARICOR ENSGUITO DATE: 08-08-2016 DRAWN:	DIVISION: NUCSCLB PROJECT TITLE: PROPOSED SCIENCE LABORATORY IN BALAMBAN CAMPUS LOCATION: MARICOR, BALAMBAN, CEBU	CHECKED AND VERIFIED BY:  ENGR. ARMAND B. YAP, JR. REGISTERED ELECTRICAL ENGINEER (R.E.E.) REG. NO. 10133	CONCEPTED BY:  APT. ZEROSWAINDE BIN, JD REGISTERED ELECTRICAL ENGINEER (R.E.E.) REG. NO. 10133	RECOMMENDED APPROVAL:  DR. FLORELAINE E. ESCARDA DEAN COLLEGE OF ENGINEERING AND TECHNOLOGY RECOMMENDED FOR APPROVAL	APPROVED BY:  DR. DANIELA ARIASO, SR. IMP. PRESIDENT MAPP IMP. PRESIDENT FOR ADMINISTRATION	SHEET NO.: E-02
	REVIEWED BY:  ENGR. ALAN C. PARASALD REGISTERED ELECTRICAL ENGINEER (R.E.E.) REG. NO. 10133	CHECKED BY:  ENGR. CHRISTIAN ALVIN ABOJULOS REGISTERED ELECTRICAL ENGINEER (R.E.E.) REG. NO. 10133	RECOMMENDED APPROVAL:  DR. JOSE M. VIRAC TURBILAN DEAN COLLEGE OF ADMINISTRATION RECOMMENDED FOR APPROVAL	SHEET NO.: 02		



SCILAB (CNU-BALAMBAN) BLOW-UP
GROUND FLOOR PLAN (WATER LAYOUT)
SCALE: 1:40

	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Doneth Boulevard Cebu City	PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS (LOCATION: UNDAKA, BALAMBAN CEBU)	DATE: 05.08.2024 SHEET: --- SHEET TOTAL: ---	ENGINEER: ENGR. CHARLES ALVIN RAMOS GUILLOS (REGISTERED PROFESSIONAL ENGINEER) ADDRESS: --- CONTACT: ---	CHECKED AND APPROVED BY: ENGR. ARTHUR YAP, JR. (REGISTERED PROFESSIONAL ENGINEER) ADDRESS: --- CONTACT: ---	CONSIDERED BY: ATY. GREGORIO JULIO D. BEN, JD. (REGISTERED ATTORNEY) ADDRESS: --- CONTACT: ---	RECOMMENDED BY: DR. FLORENTE ESCARDA (REGISTERED PROFESSIONAL OFFICER) ADDRESS: --- CONTACT: ---	APPROVED BY: DR. DANIEL A. ARIASO, SR. (REGISTERED PROFESSIONAL OFFICER) ADDRESS: --- CONTACT: ---	SHEET NO.: P-02 TOTAL SHEETS: ---
	PROJECT TITLE: PROPOSED SCIENCE LABORATORY AT BALAMBAN CAMPUS	LOCATION: UNDAKA, BALAMBAN CEBU	DATE: 05.08.2024	SHEET: ---	CHECKED AND APPROVED BY: ENGR. ARTHUR YAP, JR. (REGISTERED PROFESSIONAL ENGINEER)	CONSIDERED BY: ATY. GREGORIO JULIO D. BEN, JD. (REGISTERED ATTORNEY)	RECOMMENDED BY: DR. FLORENTE ESCARDA (REGISTERED PROFESSIONAL OFFICER)	APPROVED BY: DR. DANIEL A. ARIASO, SR. (REGISTERED PROFESSIONAL OFFICER)	SHEET NO.: P-02



SCT LAB (CNU-BALAMBAN) BLOW-UP
GROUND FLOOR PLAN (DRAINAGE LAYOUT)
SCALE 1:15

	REPUBLIC OF THE PHILIPPINES CEBU NORMAL UNIVERSITY Osmena Boulevard Cebu City	LICENSE NUMBER: CDPF-PNCR-22 PROJECT TITLE: PROPOSED SCIENCE LABORATORY (CNU-BALAMBAN CAMPUS)	REVIEWER/ CHECKER: ENGR. ARNOLD C. RAFAEL (130203042200)	CHECKED AND VERIFIED BY: ENGR. ARTHUR S. YAP, JR. (130203042200)	DESIGNED BY: ATP. JESSICA JIDE EBEN, JD (130203042200)	RECOMMENDED BY: DR. FLORIANNE ESCARDA (100400300)	APPROVED BY:  DR. DANICA ARFADO, SR. SMC PRESIDENT III	SHEET NO.: P-04
	DATE: 04/08/2024 DRAWN BY: MARCELO M. CASQUITO (130203042200)	PROJECT NUMBER: PROPOSED SCIENCE LABORATORY (CNU-BALAMBAN CAMPUS)	PROJECT TITLE: PROPOSED SCIENCE LABORATORY (CNU-BALAMBAN CAMPUS)	CHECKED AND VERIFIED BY: ENGR. CHRISTIAN ALMIR B. BROUILLOS (130203042200)	CHECKED AND VERIFIED BY: ENGR. ARTHUR S. YAP, JR. (130203042200)	DESIGNED BY: ATP. JESSICA JIDE EBEN, JD (130203042200)	RECOMMENDED BY: DR. FLORIANNE ESCARDA (100400300)	APPROVED BY:  DR. DANICA ARFADO, SR. SMC PRESIDENT III

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

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

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

Signature Box

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

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

PROGRAM OF WORKS				
Project Title : Proposed Science Laboratory at CNU Balamban Campus				
Location : CNU Balamban Campus, Brgy Nangka, Balamban Cebu				
Project Cost :			1,700,000.00	
Duration : 60 Calendar Days				
Mode of Implementation : Contract				
Date Prepared : April 26, 2024				
ITEM	SCOPE OF WORKS	% Wt.	QUANTITY	UNIT
1.00	OTHER GENERAL REQUIREMENTS	1.22%	1.00	lot
2.00	CIVIL/ARCHITECTURAL WORKS	0.35%	1.00	lot
3.00	ELECTRICAL WORKS	30.38%	1.00	lot
4.00	PLUMBING WORKS	2.20%	1.00	lot
5.00	SUPPLY AND INSTALLATION OF LABORATORY FURNITURES & FIXTURES	65.84%	1.00	lot
TOTAL OF DIRECT COST		100.00%		
BREAK DOWN OF ESTIMATED PROJECT COST				
A. DIRECT COST				
	LABOR, EQUIPMENT, & MATERIAL COST		1.00	lot
SUB-TOTAL (A)				
B. INDIRECT COST				
	OCM (15% OF TDC)		1.00	lot
	PROFIT (10% OF TDC)		1.00	lot
	VAT, 7% OF (TDC + OCM + PROFIT)		1.00	lot
SUB-TOTAL (B)				
TOTAL PROJECT COST				

BILL OF QUANTITY

Project Title : Proposed Science Laboratory at CNU Balamban Campus
 Location : CNU Balamban Campus, Brgy Nangka, Balamban Cebu
 Mode of Implementation : Contract
 Date Prepared : April 26, 2024

A. DIRECT COST			
ITEM	DESCRIPTION	QTY.	UNIT
1.00	OTHER GENERAL REQUIREMENTS	1.00	lot
1.01	Mobilization / Demobilization	1.00	lot
1.02	Site Clearing / Housekeeping and General Cleaning	1.00	lot
SUB-TOTAL			
2.00	CIVIL/ARCHITECTURAL WORKS	1.00	lot
2.01	CONCRETE CHIPPING WORKS		
2.01.01	Concrete Chipping	1.00	lot
2.02	MASONRY WORKS		
2.02.01	Blended Cement, Type1P	2.00	bags
2.02.02	Fine Sand	6.00	bags
SUB-TOTAL			
3.00	ELECTRICAL WORKS	1.00	lot
3.01	ROUGHING - INS		
3.01.01	Pvc Pipe # 3/4" x 3m	385	length
3.01.02	Pvc Elbow # 3/4"x 90 deg.	150	pcs
3.01.03	Metal Utility Box # 2 x 4	20	pcs
3.02	WIRES AND CABLES		
3.02.01	Cu. THHN Wire # 2.0mm ²	7	rolls
3.02.02	Cu. THHN Wire # 5.5mm ²	15	rolls
3.02.03	Cu. THHN Wire # 8.0mm ²	20	l.m.
3.02.04	Cu. THHN Wire # 80mm ²	40	l.m.
3.03	WIRING DEVICES		
3.03.01	2 Gang Convenience Outlet	5.00	pc
3.03.02	Special Purpose Outlet, Grounding Type	15.00	pcs
3.04	PANELBOARDS		
3.04.01	Panel DP - S.P.O. Single Phase, 240V, Bolt-On, 60hz, assembled in NEMA 1 Enclosure, wall mounted, powder coated, complete with terminal lugs and grounding busbar. Main : 175AT, 2P, 10kAIC @ 240V Branches : 20 - 30AT, 2P, 10kAIC @ 240V 4 - SPARE	1.00	assy
3.05	Consumables and Accessories Electrical Tape, Pvc Connectors, Tox with screw, Cutting discs, Drill bits, G.I Wires, Markers, Cable Tie, Dymo Taggers, Screws, Bolts, Nuts and Washers, Hangers and Supports, Grip Anchors, Safety Harness, Safety Gloves, etc.	1.00	lot
SUB-TOTAL			
4.00	PLUMBING WORKS	1.00	lot
	DRAINAGE PIPE LINE AND FITTINGS		
4.01	PVC Pipe, 4"Ø x 3m	2.00	length
4.02	PVC Pipe, 2"Ø x 3m	7.00	length
4.03	PVC CleanOut, 4"Ø	1.00	pcs
4.04	PVC P-trap, 2"Ø	5.00	pcs
4.05	PVC 2"Ø x 45° Elbow	5.00	pcs
4.06	PVC 2"Ø x 90° Elbow	12.00	pcs
4.07	PVC Wye, 4"Ø x 2"Ø	7.00	pcs
4.08	PVC 4"Ø x 45° Elbow	2.00	pcs
4.09	PVC Pipe Solvent Cement 400cc	5.00	pcs
	COLD WATER LINE AND FITTINGS		
4.10	PPR Pipe, PN 20, (1/2"Ø x 4m)	5.00	length
4.11	PPR Pipe, PN 20, (1"Ø x 4m)	9.00	length
4.12	PPR 1/2"Ø x 90° Elbow	5.00	pcs
4.13	PPR Tee ,1/2"Ø	5.00	pcs
4.14	PPR Female Threaded Tee ,1/2"Ø	5.00	pcs
4.15	PPR Coupling Reducer (1-1/2"Ø x 1"Ø)	1.00	pc
4.16	PPR End Plug , 1/2"Ø	5.00	pcs
4.17	Flexible Hose, 3/8"Ø	5.00	pcs
4.18	Gate Valve , 1"Ø	1.00	pc
4.19	Gate Valve , 1/2"Ø	1.00	pc
4.20	Teflon 1"	5.00	pcs
SUB-TOTAL			
5.00	SUPPLY AND INSTALLATION OF LABORATORY FURNITURES & FIXTURES	1.00	lot
5.01	Laboratory Side Table with Sink (L-Shape) Dimension (LxWxH): 3250mm L x 650mm W x 850mm H Dimension (LxWxH): 4350mm L x 650mm W x 850mm H General Specification:	1.00	unit

	<p>Contertop: Acid/Chemical/Heat resitant and non-porous machine molded solid phenolic</p> <p>Base and Base Cabinet: Chemical and impact resistant compact grade phenolic resin board base and sink base cabinet with hydraulic type concealed hinges swing door</p> <p>Fixtures: Lab-grade gooseneck water faucet with nozzle and isolation valve for tap water; Acid/Chemical resistant sink bowl with complete drain fittings; 2-gang electrical outlet 220V; Acid/Chemical resistant pegboard with 19 PP pegs</p>		
5.02	<p>Laboratory Center Table with Sink and 10 Lab Stools Dimension (LxWxH): 3600mm L x 1000mm W x 850mm H</p>	1.00	unit
	<p>General Specification:</p> <p>Contertop: Acid/Chemical/Heat resitant and non-porous machine molded solid phenolic resin laboratory top 18mm, black color</p> <p>Base and Base Cabinet: Chemical and impact resistant compact grade phenolic resin board sub-counter top assembly (open shelves), reagent rack and sink base cabinet with hydraulic type concealed hinges swing door; Epoxy coated tubular steel base frame and legs with adjustable leveler</p> <p>Fixtures: Lab-grade gooseneck water faucet with nozzle and isolation valve for tap water; Acid/Chemical resistant sink bowl with complete drain fittings; 2-gang electrical outlet 220V; Acid/Chemical resistant pegboard with 19 PP pegs</p> <p>Lab Stools: Chemical and impact resistant compact grade phenolic resin board seat with epoxy coated solid steel frame and legs; with rubber footing</p>		
5.03	<p>HANGING CABINET Dimension (LxWxH): 3000mm L x 350mm W x 800mm H</p>	1.00	unit
	<p>General Specification: Wooden paneling assembly with melamine white finish</p> <p>Assembled in: 5-compartments each with two (2) concealed hinge swing doors w/o lock and one (1) adjustable shelf.</p>		
SUB-TOTAL			
TOTAL AMOUNT OF DIRECT COST			

B.	INDIRECT COST		
	OCM (15% OF TDC)	1.00	lot
	PROFIT (10% OF TDC)	1.00	lot
	VAT, 7% OF (TDC + OCM + PROFIT)	1.00	lot
TOTAL AMOUNT OF INDIRECT COST			
TOTAL PROJECT COST			

Section IX. Checklist of Technical and Financial Documents

Notes on the Checklist of Technical and Financial Documents

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

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

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

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class “A” Documents

Legal Documents

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

Technical Documents

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

Financial Documents

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

Class “B” Documents

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

II. FINANCIAL COMPONENT ENVELOPE

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

Other documentary requirements under RA No. 9184

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

