



**SOUTHERN LEYTE
STATE UNIVERSITY**

Maasin City Campus, Tunga-tunga, Maasin City, Southern Leyte

Email: maasin@southernleytestateu.edu.ph

Website: www.southernleytestateu.edu.ph



BAGONG PILIPINAS

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PHILIPPINE BIDDING DOCUMENTS

REHABILITATION OF SLSU- MCC BUILDING ELECTRICAL SYSTEM (Phase 1)

ABC ₱2,000,000.00

Government of the Republic of the Philippines

Pre-bid Conference: 20 November 2024 – 2:00 PM

Opening of Bids: 02 December 2024– 2:00 PM

PB 2024-INFRA-02

**Sixth Edition
July 2020**



Preface

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

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

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

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

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

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

For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.

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

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Glossary of Terms, Abbreviations, and Acronyms

ABC – Approved Budget for the Contract.

ARCC – Allowable Range of Contract Cost.

BAC – Bids and Awards Committee.

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

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

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

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA – Cooperative Development Authority.

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

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

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

CPI – Consumer Price Index.

DOLE – Department of Labor and Employment.

DTI – Department of Trade and Industry.

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

GFI – Government Financial Institution.

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

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

GOP – Government of the Philippines.

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

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PCAB – Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

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

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

UN – United Nations.

Section I. Invitation to Bid

Notes on the Invitation to Bid

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

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

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

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



Invitation to Bid for

REHABILITATION OF SLSU-MCC BUILDING ELECTRICAL SYSTEM (Phase 1)

1. The **Southern Leyte State University-Maasin City Campus**, through the **Internally Generated Fund-Donation from Maasin City College** intends to apply the sum of **Two Million Pesos Only (₱2,000,000.000)** being the Approved Budget for the Contract (ABC) to payments under the contract for the project: **Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)** under Project/Contract No. **PB 2024-INFRA-02**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **Southern Leyte State University-Maasin City Campus** now invites bids for the above Procurement Project. Completion of the Works is required **Ninety Calendar Days (90 CD) from the starting date of the project**. 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 **Southern Leyte State University-Maasin City Campus BAC Secretariat** and through the email address given below and inspect the Bidding Documents posted on the SLSU website and PhilGEPS website.
5. A complete set of Bidding Documents, in digital copy, may be acquired by interested bidders on **November 13, 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 (5,000.00)*. The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person, by facsimile, or through electronic means*.
6. The **Southern Leyte State University - Maasin City Campus** will hold a hybrid Pre-bid Conference on **November 20, 2024, 2:00 in the afternoon** at the **Campus Director’s Conference Room, SLSU-Maasin City Campus – Brgy. Tunga-tunga, Maasin City, Southern Leyte** which shall be open to all interested parties. The link will be provided at a later date through the BAC Secretariat.
7. Bids must be submitted in **sealed envelopes** with the title of the procurement project name, name of Bidder, address of the Bidder, and contact details of the Bidder, duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **December 02, 2024, at 1:45 in the afternoon**. 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 14.
9. Bid opening shall be on **December 02, 2024 at 2:00 in the afternoon** at the given address below. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. The **Southern Leyte State University-Maasin City Campus** reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

MAILEN L. GONZALES
BAC Secretariat
SLSU-MCC
Maasin City, Southern Leyte
09679107499

procurement_maasin@southernleytestateu.edu.ph

12. You may visit the following websites:

For downloading of Bidding Documents: www.southernleytestateu.edu.ph

12 November 2024

SGD.
MADONNA GRACE D. JACOB
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, *Southern Leyte State University-Maasin City Campus* invites Bids for the **Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)**, with Project Identification Number **PB 2024-INFRA-02**.

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

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for **FY 2024** in the amount of **Two Million Pesos Only (P2,000,000.00)**.
- 2.2. The source of funding is **Internally Generated Fund-Donation from Maasin City College**.

3. Bidding Requirements

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

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

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

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

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

5. Eligible Bidders

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

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

6. Origin of Associated Goods

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

7. Subcontracts

- 7.1. The Procuring Entity has prescribed that **Subcontracting is not allowed**.

8. Pre-Bid Conference

The Procuring Entity will hold a hybrid pre-bid conference for this Project on **November 20, 2024, 2:00 in the afternoon**, and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

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

10. Documents Comprising the Bid: Eligibility and Technical Components

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

11. Documents Comprising the Bid: Financial Component

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

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and

specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

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

14. Bid and Payment Currencies

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

14.2. Payment of the contract price shall be made in **Philippine Pesos**.

15. Bid Security

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

15.2. The Bid and bid security shall be valid until *ninety (90) days from the opening of bids*. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit **three (3) sets** (1 originally signed, 2 photocopied) of the first and second components of its Bid using **A4/Legal size paper and with tabbing**.

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.

All envelopes shall:

- (a) contain the name of the contract to be bid in capital letters;
- (b) bear the name and address, e-mail address, and contact number of the Bidder in capital letters;
- (c) be addressed to the Procuring Entity's BAC;
- (d) bear the specific identification of this bidding process indicated in the 1.0; and

(e) bear a warning “DO NOT OPEN BEFORE...” the date and time for the opening of bids, as specified in the **IB**.

17. **Deadline for Submission of Bids**

The Bidders shall submit on the specified date and time at its physical address 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	<p>The bidder must have completed an SLCC that is similar to the contract to be bid, and whose value, adjusted to current prices using the PSA consumer price indices, must be at least fifty percent (50%) of the ABC to be bid: Provided, however, that contractors under Small A and Small B categories without similar experience on the contract to be bid may be allowed to bid if the cost of such contract is not more than the Allowable Range of Contract Cost (ARCC) of their registration based on the guidelines as prescribed by the PCAB. (Section 23.4.2.4 of RA 9184 and its Revised Implementing Rules and Regulations updated as December 31, 2021)</p> <p>For this purpose, contracts similar to the Project shall refer to the electrical system rehabilitation and/or upgrading projects including, but not limited to electrical works, installation of panelboards, re-wiring of electrical wires, electrical audit and load computation and others.</p>															
7.1	Subcontracting is not allowed.															
10.3	No additional requirements.															
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Key Personnel</u></th> <th style="text-align: center;"><u>General Experience</u></th> <th style="text-align: center;"><u>Relevant Experience</u></th> </tr> </thead> <tbody> <tr> <td>Project Engineer</td> <td style="text-align: center;">3 years</td> <td style="text-align: center;">3 years</td> </tr> <tr> <td>Foreman</td> <td style="text-align: center;">3 years</td> <td style="text-align: center;">3 years</td> </tr> <tr> <td>Electrical Engineer</td> <td style="text-align: center;">3 years</td> <td style="text-align: center;">3 years</td> </tr> <tr> <td>Electrical Technician</td> <td style="text-align: center;">3 years</td> <td style="text-align: center;">3 years</td> </tr> </tbody> </table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Project Engineer	3 years	3 years	Foreman	3 years	3 years	Electrical Engineer	3 years	3 years	Electrical Technician	3 years	3 years
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Project Engineer	3 years	3 years														
Foreman	3 years	3 years														
Electrical Engineer	3 years	3 years														
Electrical Technician	3 years	3 years														
10.5	<p>The minimum major equipment and tools requirements are the following:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><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>Welding Machine</td> <td style="text-align: center;">No Minimum Requirement</td> <td style="text-align: center;">1</td> </tr> <tr> <td>Electrical Tools</td> <td style="text-align: center;">No Minimum Requirement</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Welding Machine	No Minimum Requirement	1	Electrical Tools	No Minimum Requirement	1						
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Welding Machine	No Minimum Requirement	1														
Electrical Tools	No Minimum Requirement	1														
12	No further instructions.															
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than P40,000.00 (<i>two percent (2%) of ABC</i>), if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than P100,000.00 (<i>five percent (5%) of ABC</i>) if bid security is in Surety Bond.</p>															
19.2	Partial bid is not allowed.															
20	<p>The bidder with the Lowest Calculated Bid shall submit ALL of the following post-qualification requirements:</p> <ol style="list-style-type: none"> 1. Photocopy/ies of Contract/s or Purchase Order/s of one of the following, as applicable: <ol style="list-style-type: none"> i. A single contract that is similar to the project and whose value must be at least fifty percent (50%) of the ABC to be bid; or ii. (a) at least two (2) similar contracts and the aggregate contract 															

	<p>amounts should be equivalent to at least fifty (50%) of the ABC to be bid; and (b) the largest of these similar contracts must be equivalent to at least half of the percentage of the ABC as required above.</p> <ol style="list-style-type: none"> 1. The corresponding proof/s of completion, which could either be: <ol style="list-style-type: none"> i. Certificate/s of Final Acceptance/Completion from the bidder's client/s; or ii. Official Receipt/s or Sales Invoice/s of the bidder covering the full amount of the contract/s 3. Latest Income and Business Tax Returns, filed and paid through the Electronic Filing and Payments System (EFPS), consisting of the following: <ol style="list-style-type: none"> i. 2023 Income Tax Return with proof of payment; and ii. VAT Returns (Form 2550Q) or Percentage Tax Returns (2551Q) with proof of payment covering the months from March 2024 to September 2024. <p>* Failure to submit copies of the Contracts or Purchase Orders with proof of completion is a valid ground for disqualification of the bidder.</p> <p>** In case the notice for the submission of post-qualification documents is sent via the bidder's email, it shall be considered as received by the bidder on the date and time the email was sent regardless whether or not the bidder acknowledged the said email. It shall be the bidder's responsibility to check its/his/her email for the purpose.</p>
21	None

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	Completion of the Works is within Ninety (90) Calendar days beginning seven (7) calendar days from receipt of the Notice to Proceed.
4.1	No further instructions.
6	None
7.2	Warranty: The contractor shall submit a one (1) year Warranty Certificate upon turnover of the Project. Any defects in workmanship and/or materials which developed within the one (1) year warranty period shall be corrected at no additional cost to the Southern Leyte State University-Maasin City Campus.
10	a. No dayworks are applicable to the contract.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within ten (10) calendar days of delivery of the Notice of Award.
11.2	The period between Program of Work updates is thirty (30) days . The amount to be withheld for late submission of an updated Program of Work is 1/50 or 1% of the contract value .
13	The amount of the advance payment is fifteen (15%) percent of the Contract Value and can be availed of upon the submission and receipt of a request for the release of the advance payment after the issuance of the Notice to Proceed (NTP) and posting of an irrevocable letter of credit in favor of the procuring entity.
14	No further instructions.
15.1	The date by which operating and maintenance manuals are required is ten (10) calendar days after the issuance of final acceptance. The date by which "as built" drawings are required is ten (10) calendar days after the issuance of final acceptance.
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 1/50 of 1% of the contract value .

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.

SUMMARY OF WORK

1.0 DESCRIPTION OF THE PROJECT

Complete all works for the **Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)**, including supply of all materials, equipment, and systems, as well as performance of all necessary labor and processes, in accordance with the plans, specifications, the Philippine Bidding Documents and other related contract documents.

All works to be done shall be in the highest quality of workmanship to the fullest intent and meaning of the plans and specifications unless otherwise specified.

2.0 PERMITS, LICENSES AND TAXES

- A. Secure and pay all permits, fees, licenses, taxes, etc. necessary for the execution of the **Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)**.
- B. Prepare a monthly progress report which shall include an overall progress chart based on actual physical accomplishment of construction work and a progress chart based on actual value of accomplished construction work, among others.

3.0 MOBILIZATION & TEMPORARY FACILITIES

- A. Mobilization of all necessary personnel, labor, tools, facilities, and equipment to commence work on the project.
- B. Construction, proper maintenance, and ordering of Temporary Facilities like storage structures such as warehouses or bodega, materials storage yard, worker housing, proper sanitation facilities, health and safety facilities, among others.
- C. Secure all existing equipment, materials, structures, and facilities for re-use with proper inventory. Provision of security and safety measures for the protection of the general public during the **Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)**.
- D. Take all necessary measures to protect all existing facilities, site development, and equipment from damage, loss and dirt. Contractor is responsible for the restoration of all existing equipment, materials, structures, and facilities damaged or otherwise affected during the **Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)**.
- E. The Contractor shall assume responsibility for losses or damages that may occur to the property or properties of the **Southern Leyte State**

University-Maasin City Campus during the construction period, provided it has been fully established after due investigation conducted by **Southern Leyte State University-Maasin City Campus** and the Contractor that the said losses or damages were the result of the act, omission, negligence or fault of the Contractor's personnel on-site. However, the Contractor shall not be held responsible where such losses or damages were due to force majeure or fortuitous event.

The **Southern Leyte State University-Maasin City Campus** shall immediately, or as soon thereafter, notify the Contractor in writing of any loss or damage, furnishing the latter a complete inventory of such loss or damage to be accompanied by supporting papers/documents to establish the fact of loss or damage as well as the value of the things lost or extent of damage done.

4.0 DEMOBILIZATION AND CLEANING

- A. Demobilize, dismantle and remove all temporary facilities, including all workmen's houses, construction equipment, tools, personnel and debris out of the project site and premises.
- B. Cleaning of the building and site to a spic and span state, ready for use.
- C. Contractor's personnel are prohibited to stay overnight at the Client's building unless authorized. The Contractor shall agree to subject its personnel assigned to the project site to security check by authorized security personnel when coming in and leaving the premises. The Contractor shall provide a logbook to monitor the attendance of the personnel deployed on site and inventory of materials stored/delivered to **Southern Leyte State University-Maasin City Campus**.

5.0 SCOPE OF WORK

A. Preliminaries/General Requirements

- Processing of applicable permits and licenses.
- Installation of Project Billboard/Signboard.
- Provision of Materials for the occupational safety and health of onsite personnel.
- Mobilization/Demobilization which includes construction of temporary facilities and removal of structures and obstruction upon completion of the project.

B. Electrical Works

- Installation of Conduits, Boxes and Fittings (Conduit Works/Conduit Rough-in)
- Installation of Wires and Wiring Devices
- Installation of Panelboard with Main and Branch Breakers

6.0 ADDITIONS AND REPAIRS

Demolitions and repairs due to Contractor's fault shall be done by the Contractor without extra compensation to the Owner.

7.0 ACCEPTANCE OF WORKS

A. As soon as the project is satisfactory inspected and it conforms to the plans and specifications, the contractor shall submit to the procuring entity a written notice that said project is completed and is subject to the latter's approval.

B. Within seven (7) days after receipt of notice, authorized representatives of the procuring entity shall execute notice of approval of the said project.

C. Upon inspection of an affidavit that the procuring entity has approved the completion of the project and acceptance thereof, the work is automatically terminated.

8.0 OTHERS

A. The Contractor must have a Project Engineer who will supervise the project onsite. The Contractor shall inform **Southern Leyte State University-Maasin City Campus** in case of replacement/changes of personnel assigned at the project site. The replacement must have relevant qualifications and abilities equal to or better than those of the personnel as evidence by his/her training certification to be submitted to **Southern Leyte State University-Maasin City Campus**.

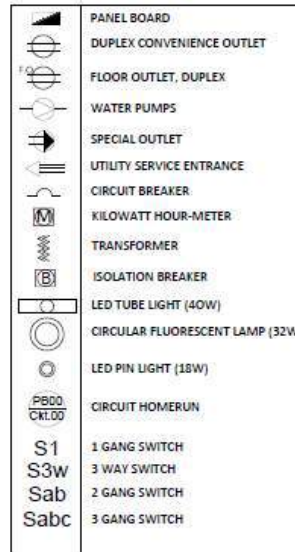
B. Organization Set-up: The Contractor should have a physical office with good office set-up, personnel, and office tools and equipment and working phone number for easy contact.

C. Liquidity of the Contractor: Current Asset minus Current Liabilities based on Balance Sheet as of December 31, 2023 matches at least 50% of the ABC.

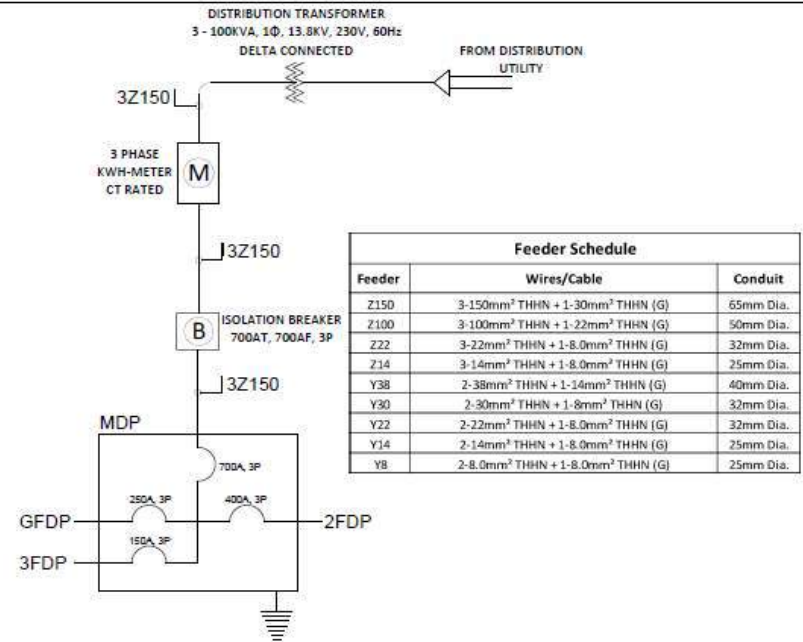
Section VII. Plans/ Drawings

- ALL WORKS HEREIN SHALL CONFORM WITH ALL THE APPLICABLE PROVISIONS OF THE LATEST EDITION OF THE PHILIPPINE ELECTRICAL CODE (P.E.C.) THE RULES AND REGULATIONS OF THE LOCAL ENFORCING AUTHORITY AND APPLICABLE POWER COMPANY REQUIREMENTS.
- THE POWER SUPPLY SHALL BE 3 PHASE, 230 VOLTS, 3 WIRES + GND, 60 HERTS.
- THE ELECTRICAL WIRING INSTALLATIONS SHALL BE CONCEALED IN INTERMEDIATE. METALLIC CONDUIT OR AS SPECIFIED, THE MINIMUM SIZE OF IMC SHALL BE 15mm. UNLESS OTHERWISE SPECIFIED.
- THE WIRES TO BE USED ARE THERMOPLASTIC INSULATED. THWN, THHN, PHELP DODGE OR EQUIVALENT. THE MINIMUM SIZE SHALL BE 3.5 mm
- ALL MATERIALS AND DEVICES USED ARE NEW AND APPROVED QUALITY FOR THE TYPE OF LOCATION AND PURPOSE INTENDED
- ALL ELECTRICAL WORKS SHALL BE SUPERVISED BY DULY LICENSED ELECTRICAL ENGINEER.

A GENERAL NOTES
SCALE: EE1 NTS



B LEGEND
SCALE: EE1 NTS



Feeder	Wires/Cable	Conduit
Z150	3-150mm ² THHN + 1-30mm ² THHN (G)	65mm Dia.
Z100	3-100mm ² THHN + 1-22mm ² THHN (G)	50mm Dia.
Z22	3-22mm ² THHN + 1-8.0mm ² THHN (G)	32mm Dia.
Z14	3-14mm ² THHN + 1-8.0mm ² THHN (G)	25mm Dia.
Y38	2-38mm ² THHN + 1-14mm ² THHN (G)	40mm Dia.
Y30	2-30mm ² THHN + 1-8mm ² THHN (G)	32mm Dia.
Y22	2-22mm ² THHN + 1-8.0mm ² THHN (G)	32mm Dia.
Y14	2-14mm ² THHN + 1-8.0mm ² THHN (G)	25mm Dia.
Y8	2-8.0mm ² THHN + 1-8.0mm ² THHN (G)	25mm Dia.

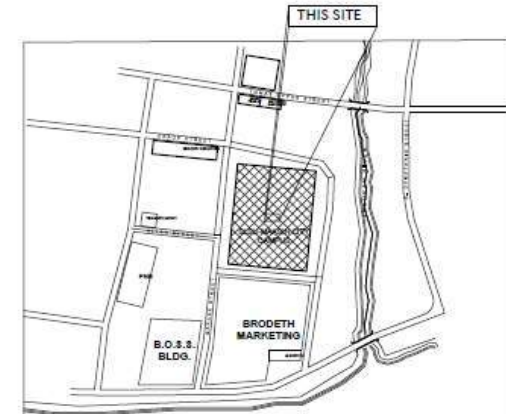
C SINGLE LINE DIAGRAM
SCALE: EE1 NTS

Ckt No	P	AT	AT	LOAD DESCRIPTIONS (SELECT ON UP/DOWN CHORES)	CIRCUIT PARTICULARS (AUTOMATED)				DEMAND VOLT-AMPERES			SIZE OF FEEDER RUN (WIRE IN CONDUIT)	FEEDER LOAD (A)			
					HP	CVA	M. CVA	DE-SE	D	SIQ	AMPS			DAIB	ORC	OCA
1	3	250	400	GFDP (GROUND FLOOR DISTRIBUTION PANEL)		92590			3	A/B/C	208.6	27136	22395	22395	3-150MPTW & 1-30MFG IN 65MMØ RSC	
2	3	400	400	2FDP (2ND FLOOR DISTRIBUTION PANEL)		132310			3	A/B/C	323.3	42368	36152	36152	2SETSL-100MPTW & 1-30MFG IN 65MMØ RSC	
3	3	150	225	3FDP (3RD FLOOR DISTRIBUTION PANEL)		60692			3	A/B/C	139.1	15998	17904	17904	3-100MPTW & 1-30MFG IN 65MMØ RSC	
TOTAL						28592						85302	76451	76451		

USE: MAIN CKT BKR: 3P 700AT 700AF MCCB
MAIN FEEDER: 3SETS (3-150MPTW & 1-30MFG IN 65MMØ RSC)

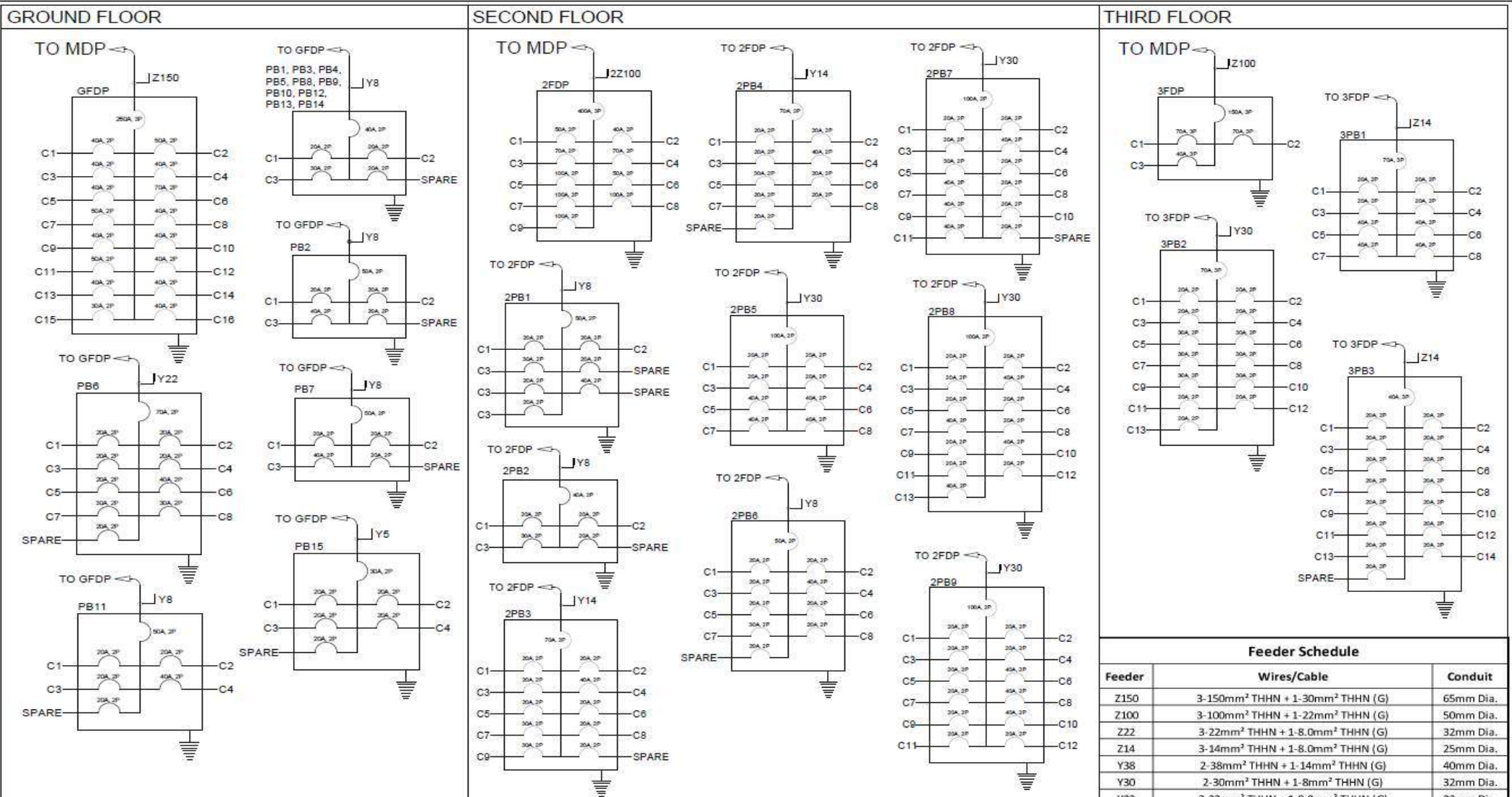
NOTE: STARTING CURRENT OF LARGEST MOTOR TAKEN INTO ACCOUNT!
NOTE: THIS INVOLVES PHASOR QUANTITIES, WHICH ARE SINUSOIDAL WAVES, OPERATIONS ARE NOT SIMPLE ARITHMETIC, TO UNDERSTAND FULLY, KNOWLEDGE OF ELECTRICAL ENGINEERING IS REQUIRED.

D SCHEDULE OF LOADS
SCALE: EE1 NTS



E LOCATION
SCALE: EE1 NTS

 ENGR. GYMHAR QUIRANTE PROFESSIONAL ELECTRICAL ENGINEER	PROJECT NAME: REPAIR AND REHABILITATION OF VARIOUS BUILDING AND STRUCTURE REVAGED BY THE TYPHOON AT SLSU MAASIN CITY CAMPUS	RECOMMENDING APPROVAL: FREDERICK C. ANIGA, PhD CAMPUS DIRECTOR	APPROVED: JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	CAD BY : J.A.L. PREPARED BY : J.A.L. CHECKED BY : N.L.S. APPROVED BY : N.L.S.	SHEET CONTENT: AS SHOWN	SHEET NO.: EE1 EE11
	LOCATION: MAASIN CITY, SOUTHERN LEYTE					



A SINGLE LINE DIAGRAM
 EE2 SCALE: NTS

Feeder Schedule		
Feeder	Wires/Cable	Conduit
Z150	3-150mm ² THHN + 1-30mm ² THHN (G)	65mm Dia.
Z100	3-100mm ² THHN + 1-22mm ² THHN (G)	50mm Dia.
Z22	3-22mm ² THHN + 1-8.0mm ² THHN (G)	32mm Dia.
Z14	3-14mm ² THHN + 1-8.0mm ² THHN (G)	25mm Dia.
Y8	2-38mm ² THHN + 1-14mm ² THHN (G)	40mm Dia.
Y30	2-30mm ² THHN + 1-8mm ² THHN (G)	32mm Dia.
Y22	2-22mm ² THHN + 1-8.0mm ² THHN (G)	32mm Dia.
Y14	2-14mm ² THHN + 1-8.0mm ² THHN (G)	25mm Dia.
Y8	2-8.0mm ² THHN + 1-8.0mm ² THHN (G)	25mm Dia.



REVIEWED BY:
ENGR. GYM HAR QUIRANTE
 PROFESSIONAL ELECTRICAL ENGINEER

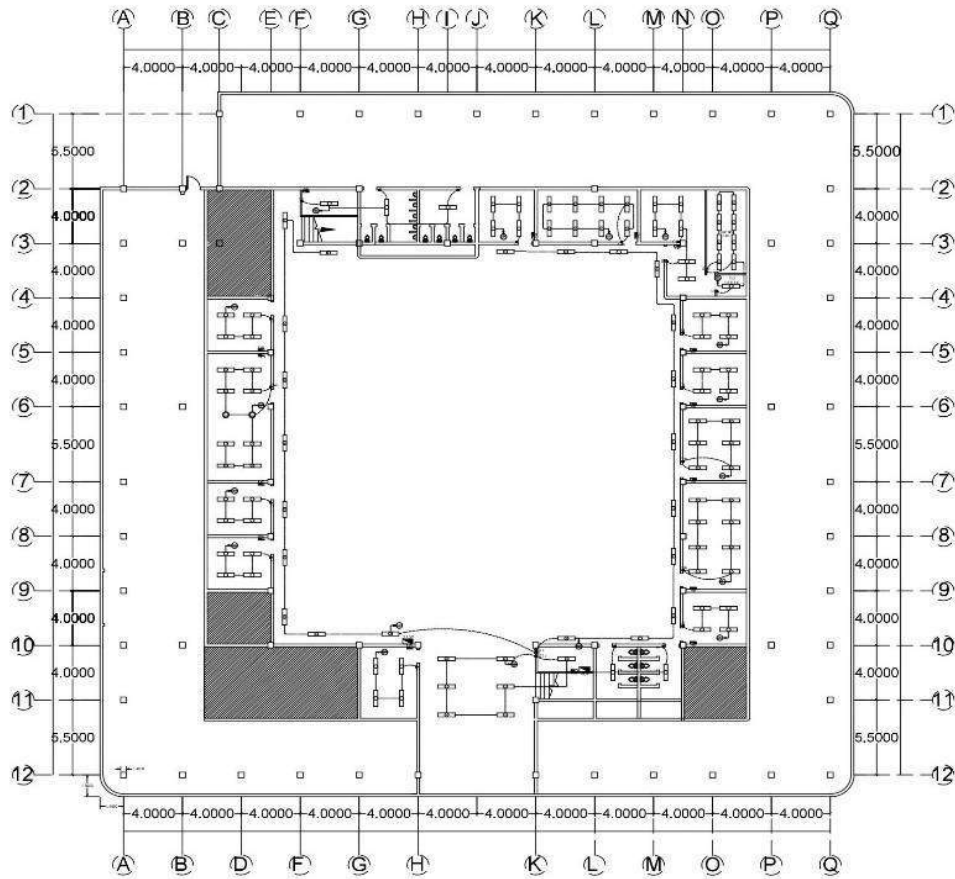
PROJECT NAME:
REPAIR AND REHABILITATION OF VARIOUS BUILDING AND STRUCTURE REVAGED BY THE TYPHOON AT SLSU MAASIN CITY CAMPUS
 LOCATION: MAASIN CITY, SOUTHERN LEYTE

RECOMMENDING APPROVAL:
FREDERICK C. ANIGA, PhD
 CAMPUS DIRECTOR

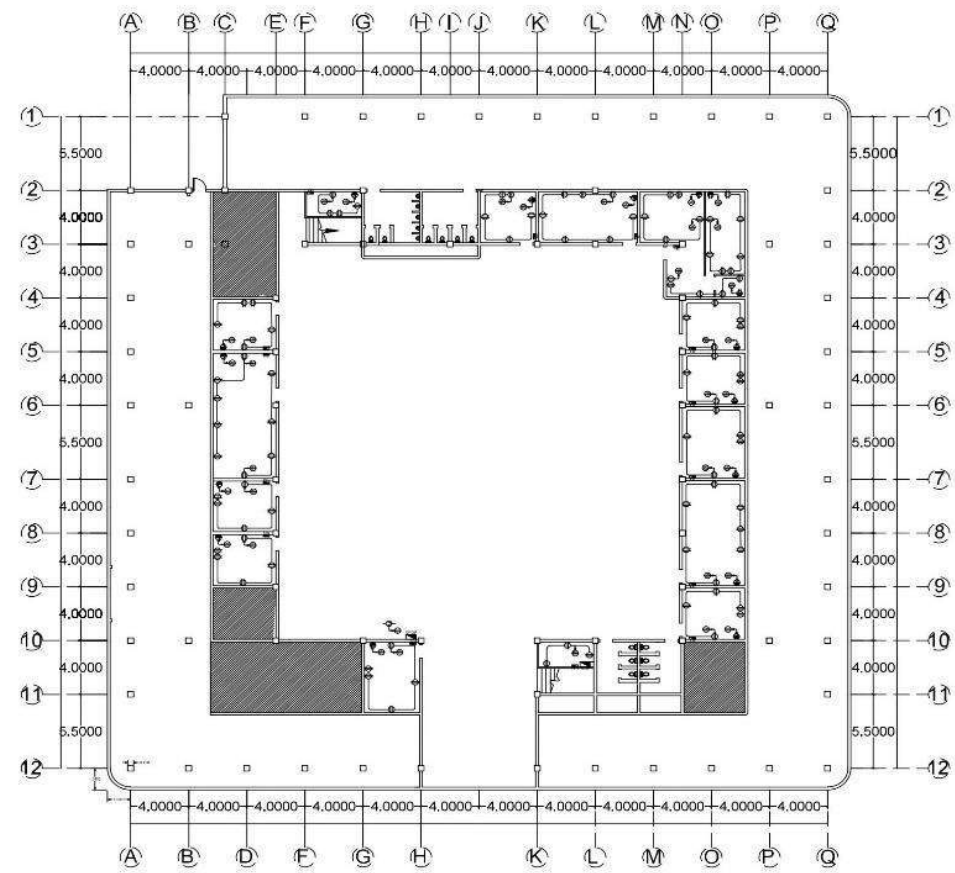
APPROVED:
JUDE A. DUARTE, DPA
 UNIVERSITY PRESIDENT

CAD BY: J.A.L.
 PREPARED BY: J.A.L.
 CHECKED BY: N.L.D.
 APPROVED BY: N.L.S.

SHEET CONTENT: AS SHOWN
 SHEET NO.: **EE2**
EE11



A GROUND FLOOR LIGHTING SYSTEM LAYOUT
 EE3 SCALE: NTS



B GROUND FLOOR POWER SYSTEM LAYOUT
 EE3 SCALE: NTS



REVIEWED BY:
ENGR. GYM HAR QUIRANTE
 PROFESSIONAL ELECTRICAL ENGINEER

PROJECT NAME:
REPAIR AND REHABILITATION OF VARIOUS BUILDING AND STRUCTURE REVAGED BY THE TYPHOON AT SLSU MAASIN CITY CAMPUS
 LOCATION: MAASIN CITY, SOUTHERN LEYTE

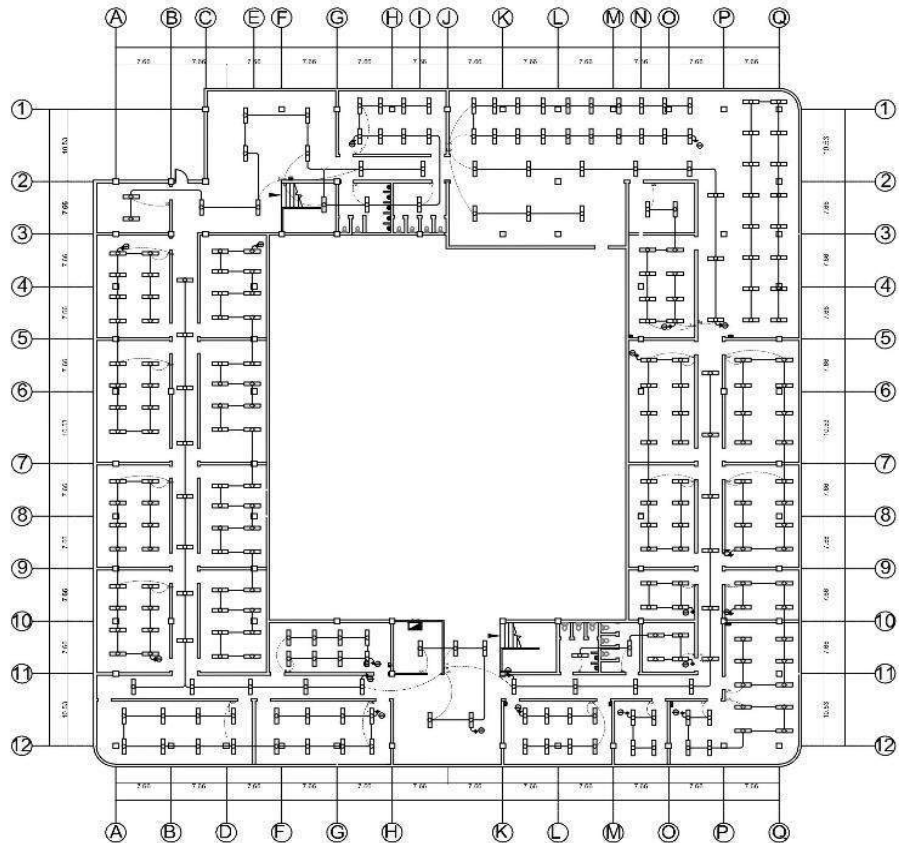
RECOMMENDING APPROVAL:
FREDERICK C. ANIGA, PhD
 CAMPUS DIRECTOR

APPROVED:
JUDE A. DUARTE, DPA
 UNIVERSITY PRESIDENT

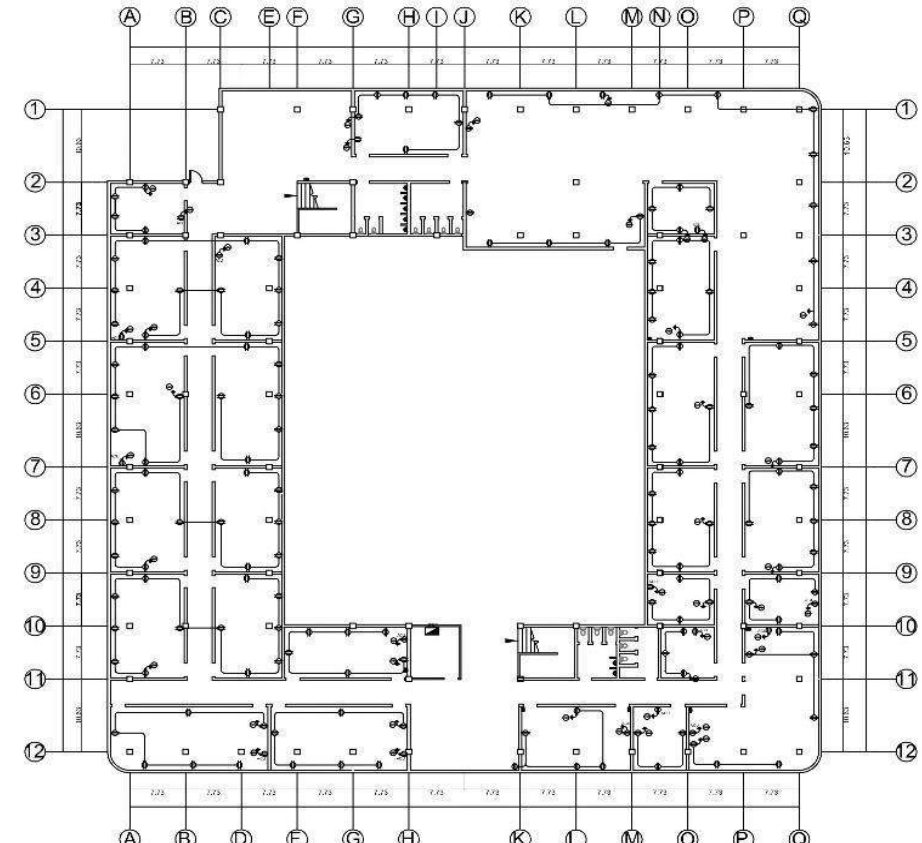
CAD BY : J.A.L.
 PREPARED BY : J.A.L.
 CHECKED BY : N.L.S.
 APPROVED BY : N.L.S.

SHEET CONTENT:
AS SHOWN


SHEET NO.:
EE3
EE11

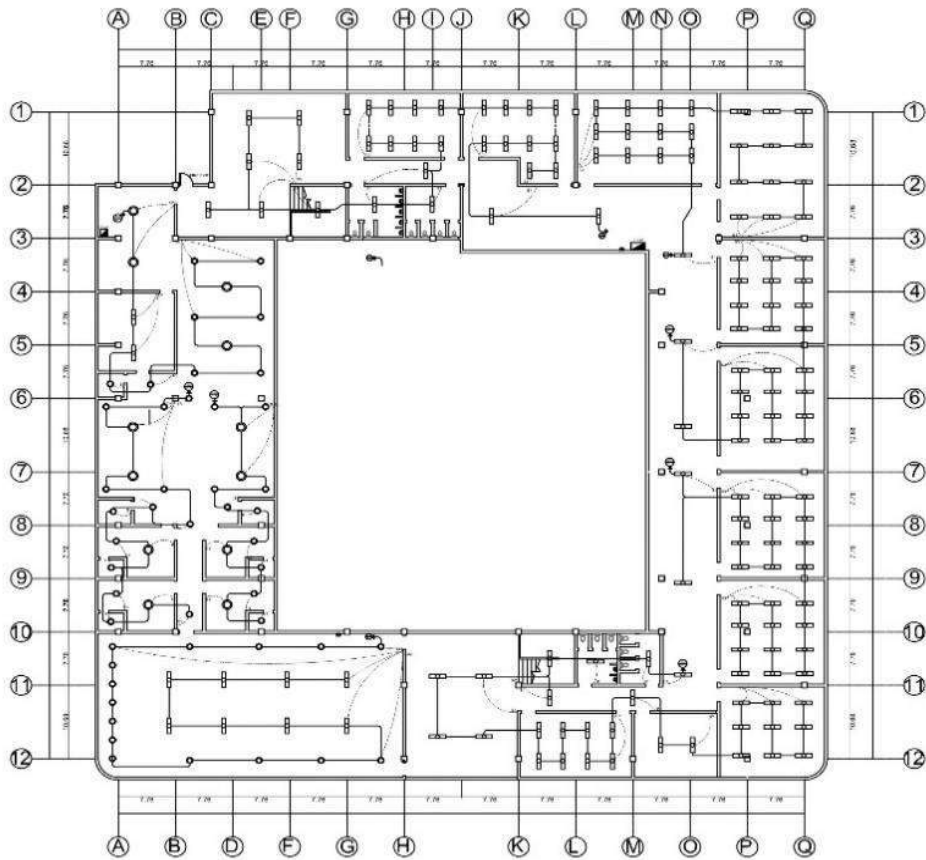


A SECOND FLOOR LIGHTING SYSTEM LAYOUT
 EE5 SCALE: NTS

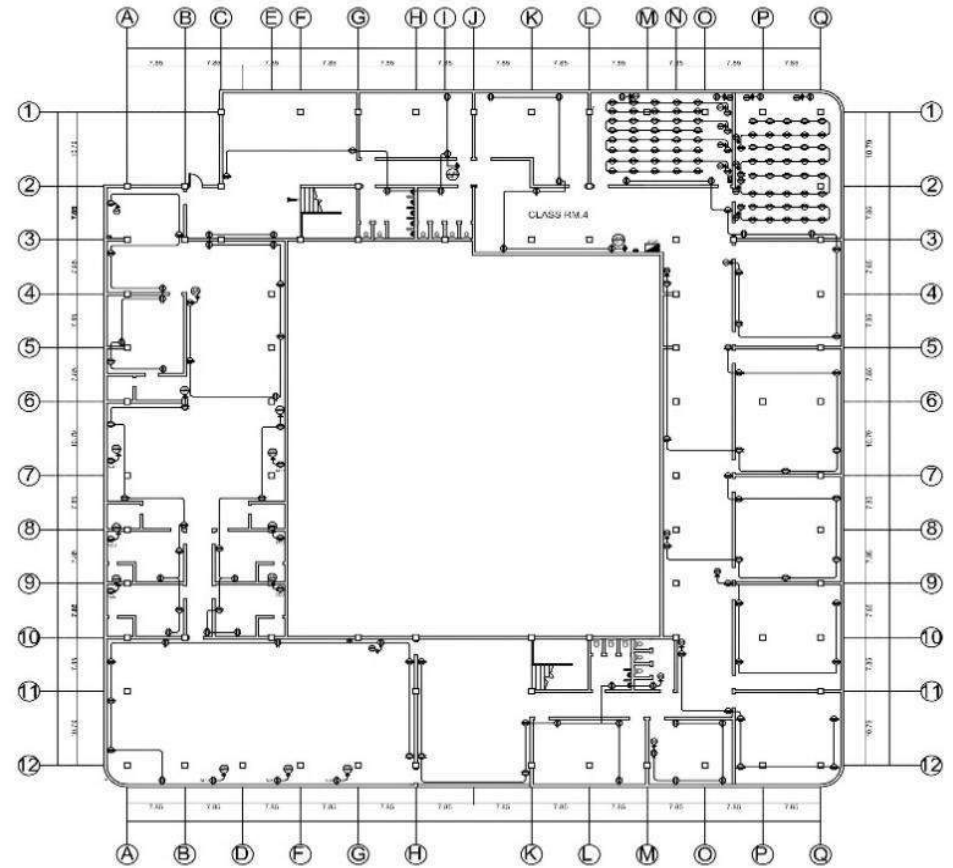


B SECOND FLOOR POWER SYSTEM LAYOUT
 EE5 SCALE: NTS

 ENGR. GYM HAR QUIRANTE PROFESSIONAL ELECTRICAL ENGINEER	REVIEWED BY:	PROJECT NAME: REPAIR AND REHABILITATION OF VARIOUS BUILDING AND STRUCTURE REVAGED BY THE TYPHOON AT SLSU MAASIN CITY CAMPUS LOCATION: MAASIN CITY, SOUTHERN LEYTE	RECOMMENDING APPROVAL: FREDERICK C. ANIGA, PhD CAMPUS DIRECTOR	APPROVED: JUDE A. DUARTE, DPA UNIVERSITY PRESIDENT	CAD BY : J.A.L. PREPARED BY : J.A.L. CHECKED BY : N.L.S. APPROVED BY : N.L.S.	SHEET CONTENT: AS SHOWN	SHEET NO.: <div style="border: 1px solid black; border-radius: 50%; padding: 5px; display: inline-block;"> EE5 EE11 </div>	



A THIRD FLOOR LIGHTING SYSTEM LAYOUT
 EE5 SCALE: NTS



B THIRD FLOOR POWER SYSTEM LAYOUT
 EE5 SCALE: NTS



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FREDERICK C. ANIGA, PhD
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1	1	450WATT LIGHTING FIXTURES	3	1350	120	11.25	3	1350	120	11.25	3																																																																						
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3	3	120WATT LIGHTING FIXTURES	3	360	120	3.0	3	360	120	3.0	3																																																																						
4	4	120WATT LIGHTING FIXTURES	3	360	120	3.0	3	360	120	3.0	3																																																																						
TOTAL			2660			22.25			22.25																																																																								

A SCHEDULE OF LOADS

SCALE: EE8 NTS



REVIEWED BY: **ENGR. GYM HAR QUIRANTE**
 PROFESSIONAL ELECTRICAL ENGINEER

PROJECT NAME: **REPAIR AND REHABILITATION OF VARIOUS BUILDING AND STRUCTURE REVAGED BY THE TYPHOON AT SLSU MAASIN CITY CAMPUS**
 LOCATION: MAASIN CITY, SOUTHERN LEYTE

RECOMMENDING APPROVAL: **FREDERICK C. ANIGA, PhD**
 CAMPUS DIRECTOR

APPROVED: **JUDE A. DUARTE, DPA**
 UNIVERSITY PRESIDENT

DATE: J.A.L.
 PREPARED BY: J.A.L.
 CHECKED BY: N.L.D.
 APPROVED BY: N.L.D.

SHEET CONTENT: **AS SHOWN**
 SHEET NO.: **EE8**
EE11

TABLE SIMULATED		MAIN C/S AT 1P 70A 100A MCCB						FORCE FEED FANL SETTINGS		30		ENCLOSURE NEMA-4	
VOLTAGE 230V AC DELTA		MIN. KAF FOR MAIN BREAKER 10						MOUNTING FLASH		MIN. KAF FOR MAIN BREAKER 10		GREEN	
PHASE WIRE		PHASE WIRE						MINIMUM DESIGN SERVICE SIZE		40		PANEL TYPE PB	
AMBIENT °C 30		AMBIENT °C 30						NEC USE BREAKER (WHERE IN CONDUIT)		FEDERATED LOADS		FEDERATED LOADS	
LINE	LOAD	HP	CVA	M. CVA	FUSE	2	REQD	AMPS	DVA	2-3	4	5	6
1	2	20	30	40	30	30	11	250	24	3	4	5	6
2	2	20	30	40	30	30	11	250	24	3	4	5	6
3	2	20	30	40	30	30	11	250	24	3	4	5	6
4	2	20	30	40	30	30	11	250	24	3	4	5	6
5	2	20	30	40	30	30	11	250	24	3	4	5	6
6	2	20	30	40	30	30	11	250	24	3	4	5	6
7	2	20	30	40	30	30	11	250	24	3	4	5	6
8	2	20	30	40	30	30	11	250	24	3	4	5	6
9	2	20	30	40	30	30	11	250	24	3	4	5	6
10	2	20	30	40	30	30	11	250	24	3	4	5	6
11	2	20	30	40	30	30	11	250	24	3	4	5	6
12	2	20	30	40	30	30	11	250	24	3	4	5	6
13	2	20	30	40	30	30	11	250	24	3	4	5	6
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15	2	20	30	40	30	30	11	250	24	3	4	5	6
16	2	20	30	40	30	30	11	250	24	3	4	5	6
17	2	20	30	40	30	30	11	250	24	3	4	5	6
18	2	20	30	40	30	30	11	250	24	3	4	5	6
19	2	20	30	40	30	30	11	250	24	3	4	5	6
20	2	20	30	40	30	30	11	250	24	3	4	5	6
21	2	20	30	40	30	30	11	250	24	3	4	5	6
22	2	20	30	40	30	30	11	250	24	3	4	5	6
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25	2	20	30	40	30	30	11	250	24	3	4	5	6
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86	2	20	30	40	30	30	11	250	24	3	4	5	6
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100	2	20	30	40	30	30	11	250	24	3	4	5	6
101	2	20	30	40	30	30	11	250	24	3	4	5	6
102	2	20	30	40	30	30	11	250	24	3	4	5	6
103	2	20	30	40	30	30	11	250	24	3	4	5	6
104	2	20	30	40	3								

ELECTRICAL DESIGN ANALYSIS

Project Title : **3-100kVA Transformer Bank**
 Location : **Maasin City, Southern Leyte**

- Objectives:
- To provide Design Load Analysis required.
 - To identify the Fault level at the location where electrical devices are installed in order to select the correct circuit breaker current interrupting rating.
 - To evaluate the voltage drop from the source.

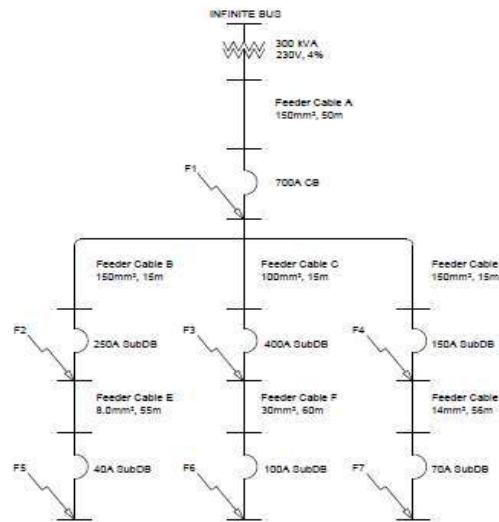
- Reference:
- PHILIPPINE ELECTRICAL CODE
 - INTERNATIONAL ELECTROTECHNICAL COMMISSION

Data Collected:

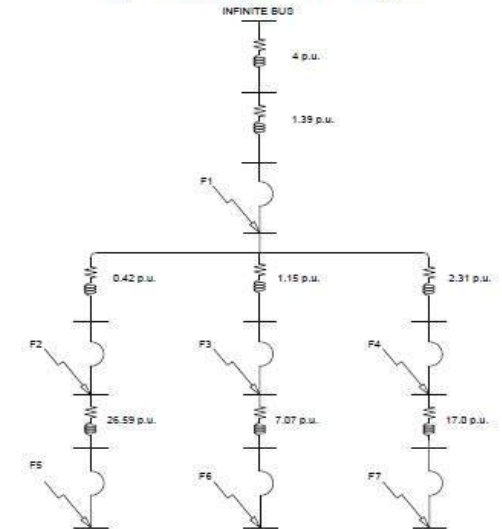
Cable	Total Line Current (I)	Cable Size	Set of Wires	Cable Impedance (Z) per 305 meters	Length of Cable in meters
Cable A - Power Source to MCB	669.4 Amps	150 mm ²	3 sets	0.045 Ohms	50 meters
Cable B - MDP to GFDP	208.6 Amps	150 mm ²	2 sets	0.045 Ohms	15 meters
Cable C - MDP to 2FDP	323.3 Amps	100 mm ²	2 sets	0.062 Ohms	30 meters
Cable D - MDP to 3FDP	139.1 Amps	100 mm ²	1 set	0.062 Ohms	60 meters

Cable E - GFDP to Farthest Circuit (PB9)	19.6 Amps	8.0 mm ²	1 set	0.78 Ohms	55 meters
Cable F - 3FDP to Farthest Circuit (2PB7)	78.7 Amps	30 mm ²	1 set	0.19 Ohms	60 meters
Cable G - 3FDP to Farthest Circuit (3PB1)	51.4 Amps	14 mm ²	1 set	0.49 Ohms	56 meters
Transformer kVA, 3 Phase	300 kVA				
Transformer Per Unit Impedance (%Z)	2.2 Ohms				
Secondary Voltage (V)	230 Volts				

Network Model Diagram



Equivalent Impedance Diagram



A. Voltage Drop Calculation

- a. Utility Power Source to MCB
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 669.4 \times 0.045 \times 50 / (305 \times 3)$
 $= 2.85 \text{ Volts}$
 % Voltage Drop
 $= 2.85 \times 100 / 230$
 $= 1.24 \%$
- b. Utility Power Source to GFDP
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 208.6 \times 0.045 \times 15 / (305 \times 1)$
 $= 1.06 \text{ Volts}$
 % Voltage Drop
 $= 1.06 \times 100 / 230$
 $= 0.46 \%$
- c. Utility Power Source to 2FDP
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 323.3 \times 0.062 \times 30 / (305 \times 2)$
 $= 1.71 \text{ Volts}$
 % Voltage Drop
 $= 1.71 \times 100 / 230$
 $= 0.74 \%$
- d. Utility Power Source to 3FDP
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 139.1 \times 0.062 \times 60 / (305 \times 1)$
 $= 2.94 \text{ Volts}$
 % Voltage Drop
 $= 2.94 \times 100 / 230$
 $= 1.28 \%$

- e. Utility Power Source to PB9
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 19.6 \times 0.78 \times 55 / (305 \times 1)$
 $= 4.77 \text{ Volts}$
 % Voltage Drop
 $= 4.77 \times 100 / 230$
 $= 2.07 \%$
- f. Utility Power Source to 2PB7
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 78.7 \times 0.19 \times 60 / (305 \times 1)$
 $= 5.09 \text{ Volts}$
 % Voltage Drop
 $= 5.09 \times 100 / 230$
 $= 2.21 \%$
- g. Utility Power Source to 3PB1
 Solving for Voltage Drop
 $= 1.732 \times I \times Z \times L / (305 \times s)$
 $= 1.732 \times 51.4 \times 0.49 \times 56 / (305 \times 1)$
 $= 8 \text{ Volts}$
 % Voltage Drop
 $= 8 \times 100 / 230$
 $= 3.48 \%$

B. Short Circuit Calculation

$MVA_{base} = 10$
 $MVA_{plan} = 0.3$
 $kV_{base} = 0.23$
 Transformer p.u. Z = 0.04

Transformer Z change of Base (with 100MVA_{base})
 $Z_{base p.u.} = Z_{pu} (MVA_{base} / MVA_{plan})$
 $= 0.04 (10 / 0.3)$
 $= 1.33 \text{ p.u.}$

Cable Impedance Z to p.u.
 $Z_{base} = kV_{base}^2 / MVA_{base}$
 $= 0.23 \times 0.23 / 10$
 $= 0.00529$

Cable A p.u. Z
 $= [Z_a \times L / (305 \times s)] / Z_{base}$
 $= [0.045 \times 50 / (305 \times 3)] / 0.00529$
 $= 0.465 \text{ p.u.}$

Cable B p.u. Z
 $= [Z_b \times L / (305 \times s)] / Z_{base}$
 $= [0.045 \times 15 / (305 \times 1)] / 0.00529$
 $= 0.42 \text{ p.u.}$

Cable C p.u. Z
 $= [Z_c \times L / (305 \times s)] / Z_{base}$
 $= [0.062 \times 30 / (305 \times 2)] / 0.00529$
 $= 0.576 \text{ p.u.}$

Cable D p.u. Z
 $= [Z_d \times L / (305 \times s)] / Z_{base}$
 $= [0.062 \times 60 / (305 \times 1)] / 0.00529$
 $= 2.31 \text{ p.u.}$

Cable E p.u. Z
 $= [Z_e \times L / (305 \times s)] / Z_{base}$
 $= [0.78 \times 55 / (305 \times 1)] / 0.00529$
 $= 26.59 \text{ p.u.}$

Cable F p.u. Z
 $= [Z_f \times L / (305 \times s)] / Z_{base}$
 $= [0.19 \times 60 / (305 \times 1)] / 0.00529$
 $= 7.07 \text{ p.u.}$

Cable G p.u. Z
 $= [Z_g \times L / (305 \times s)] / Z_{base}$
 $= [0.49 \times 56 / (305 \times 1)] / 0.00529$
 $= 17.0 \text{ p.u.}$

Short Circuit Current at F1.

$I_{sc} = MVA_{base} / [(1.732 \times V) \times (Z_1 + Z_2) / 1,000,000]$
 $= 10 / [(1.732 \times 230) \times (1.33 + 0.465) / 1,000,000]$
 $= 13.98 \text{ kA}$

Main Circuit Breaker kAIC rating should not be less than **13.98 kA**
 Circuit Breaker Interrupting Current rating of **38 kAIC** is selected.



REVIEWED BY:
ENGR. GYM HAR QUIRANTE
 PROFESSIONAL ELECTRICAL ENGINEER

PROJECT NAME:
REPAIR AND REHABILITATION OF VARIOUS BUILDING AND STRUCTURE REVAGED BY THE TYPHOON AT SLSU MAASIN CITY CAMPUS
 LOCATION: MAASIN CITY, SOUTHERN LEYTE

RECOMMENDING APPROVAL:
FREDERICK C. ANIGA, PhD
 CAMPUS DIRECTOR

APPROVED:
JUDE A. DUARTE, DPA
 UNIVERSITY PRESIDENT

CAD BY : J.A.L.
 PREPARED BY : J.A.L.
 CHECKED BY : N.L.S.
 APPROVED BY : N.L.S.

SHEET CONTENT: AS SHOWN
 SHEET NO.: EE11

Section VIII. Bill of Quantities

Notes on the Bill of Quantities

Objectives

The objectives of the Bill of Quantities are:

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

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

Daywork Schedule

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

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

Provisional Sums

A general provision for physical contingencies (quantity overruns) may be made by including a provisional sum in the Summary Bill of Quantities. Similarly, a contingency allowance for possible price increases should be provided as a provisional sum in the Summary Bill of Quantities. The inclusion of such provisional sums often facilitates budgetary approval by avoiding the need to request periodic supplementary approvals as the future need arises. Where such provisional sums or contingency allowances are used, the

SCC should state the manner in which they will be used, and under whose authority (usually the Procuring Entity's Representative's).

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

Signature Box

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

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

PROJECT: Rehabilitation of SLSU-MCC Building Electrical System (Phase 1)
LOCATION: Brgy. Tunga-tunga, Maasin City, Southern Leyte

Project: SLSU - MCC
Subject: Electrical BOQ

GROUND FLOOR

ITEM	DESCRIPTION	TOTAL QTY	UNIT	UNIT RATE			
				UNIT PRICE	TOTAL	LABOR COST	TOTAL PRICE
NOTE: ALL PANEL BOARDS, WIRES, CIRCUIT BREAKERS SHOULD BE STANDARD/BRANDED MATERIALS							
1	150mm ² THHN WIRE				-		-
	Line 1	10	lm				
	Line 2	10	lm				
	Line 3	10	lm				
	Ground (Green)	10	lm				
2	Panel Board, Nema-1, 16 Branches, 2P MCCB, Main Breaker - 250AT, 3P MCCB (OFFER: PANEL BOARD ONLY)	1	unit				
3	Panel Board, Nema-1, 3 Branches, 3P MCCB, Main Breaker - 700AT, 3P MCCB (NOTE: PANEL BOARD ONLY)	1	unit				
4	3 Phase, ECB Nema-3R, 700 AT, 700 AF, Isolation Breaker	1	unit				
5	30 AT, 50 AF, 2P, MCCB	1	pcs				
6	40 AT, 50 AF, 2P, MCCB	11	pcs				
7	50 AT, 100 AF, 2P, MCCB	3	pcs				
8	70 AT, 100 AF, 2P, MCCB	1	pc				
9	250 AT, 100 AF, 3P, MCCB	2	pcs				
10	700 AT, 700 AF, 3P, MCCB	2	pcs				
11	65mm Dia. PVC Pipe	10	length				
12	65mm Dia. IMC Pipe with Coupling	30	length				
13	Lock Nut & Bushing(65mm Dia.)	60	pcs				
14	Terminal Lugs (150mm ² THHN Wire) (OFFER: LONG BARREL)	18	pcs				
15	Mechanical Lugs (150mm ² THHN Wire)	18	pcs				
16	Shrinkable Tube (150mm ² THHN Wire)	9	lm				
17	Electrical Tape	10	roll				
18	Cable Gutter (500mmx300mmx300mm)	2	length				
19	Service Entrance Cap 3 sets of (3-150mm ² THHN + 1-30mm ² THHN (G))	3	pc				
20	C - Clamp for 65mm Dia. IMC Pipe	30	pcs				
21	Tax with Screw	50	set				
GROUND FLOOR TOTAL COST							

MATERIALS COST	
FREIGHT	
LABOR COST	
OCM	
CONTRACTORS PROFIT	
VAT 5%	
GRAND TOTAL	

Project: SLSU - MCC
 Subject: Electrical BOQ
 2ND FLOOR

ITEM	DESCRIPTION	TOTAL QTY.	UNIT	UNIT RATE			
				UNIT PRICE	TOTAL PRICE	LABOR PRICE	TOTAL
NOTE: ALL PANEL BOARDS, WIRES, CIRCUIT BREAKERS SHOULD BE STANDARD/BRANDED MATERIALS							
1	30.0mm ² THHN WIRE						
	Line 1	90	lm				
	Line 2	90	lm				
	Ground (Green)	90	lm				
2	100mm ² THHN WIRE						
	Line 1	62	lm				
	Line 2	62	lm				
	Line 3	62	lm				
	Ground (Green)	62	lm				
3	Square Box	10	pcs				
4	Panel Board, Nema-1, 14 Branches, 2P MCB, Main Breaker - 100AT, 2P MCCB <i>(NOTE: PANEL BOARD ONLY)</i>	1	pc				
5	Panel Board, Nema-1, 9 Branches, 2P MCCB, Main Breaker -400AT, 3P MCCB <i>(NOTE: PANEL BOARD)</i>	1	pc				
6	20 AT, 50 AF, 2P, MCB	9	pcs				
7	40 AT, 50 AF, 2P, MCB	5	pcs				
8	40 AT, 50 AF, 2P, MCCB	2	pcs				
9	50 AT, 100 AF, 2P, MCCB	2	pcs				
10	70 AT, 100 AF, 2P, MCCB	2	pc				
11	100 AT, 100 AF, 2P, MCCB	5	pc				
12	400 AT, 400 AF, 3P, MCCB	2	pcs				
13	32mm Dia. PVC Pipe	32	length				
14	32mm Dia. IMC Pipe with Coupling	5	length				
15	50mm Dia. IMC Pipe with Coupling	7	length				
16	Straight Connector	50	pcs				
17	Lock Nut & Bushing(32mm Dia.)	10	pcs				
18	Lock Nut & Bushing(50mm Dia.)	10	pcs				
19	Terminal Lugs (100mm ² THHN Wire) <i>(OFFER: 100-12)</i>	12	pcs				
20	Terminal Lugs (30.0mm ² THHN Wire) <i>(OFFER: 38-8)</i>	26	pcs				
21	Mechanical Lugs (100mm ² THHN Wire)	12	pcs				
22	Mechanical Lugs (30.0mm ² THHN Wire)	26	pcs				
23	Shrinkable Tube (100mm ² THHN Wire)	6	lm				
24	Shrinkable Tube (30.0mm ² THHN Wire)	13	lm				
25	Electrical Tape	15	roll				
26	Cable Gutter (500mmx300mmx300mm)	4	length				
27	C - Clamp for 32mm Dia. IMC Pipe	10	pcs				
28	C - Clamp for 50mm Dia. IMC Pipe	10	pcs				
29	Tox with Screw	100	set				
SECOND FLOOR TOTAL COST							

MATERIALS COST	
FREIGHT	
LABOR COST	
OCM	
CONTRACTORS PROFIT	
VAT 5%	
GRAND TOTAL	

Project: SLSU - MCC
 Subject: Electrical BOQ
 3RD FLOOR

ITEM	DESCRIPTION	TOTAL QTY.	UNIT	UNIT RATE			
				UNIT PRICE	TOTAL	LABOR PRICE	TOTAL
NOTE: ALL PANEL BOARDS, WIRES, AND CIRCUIT BREAKERS SHOULD BE STANDARD/BRANDED MATERIALS							
1	Panel Board, Nema-1, 15 Branches, 2P MCCB, Main Breaker - 40AT, 3P MCCB (NOTE: PANEL BOARD ONLY)	1	unit				
2	Panel Board, Nema-1, 8 Branches, 2P MCCB, Main Breaker 70AT, 3P MCCB (NOTE: PANEL BOARD ONLY)	1	unit				
3	Panel Board, Nema-1, 13 Branches, 2P MCCB, Main Breaker - 70AT, 3P MCCB (NOTE: PANEL BOARD ONLY)	1	unit				
4	Panel Board, Nema-1, 3 Branches, 3P MCCB, Main Breaker - 150AT, 3P MCCB (NOTE: PANEL BOARD ONLY)	1	unit				
5	22.0mm ² THHN WIRE						
	Line 1	74	lm				
	Line 2	74	lm				
	Line 3	74	lm				
	Ground (Green)	74	lm				
6	14.0mm ² THHN WIRE						
	Line 1	67	lm				
	Line 2	67	lm				
	Line 3	67	lm				
	Ground (Green)	67	lm				
7	25mm Dia. PVC Pipe	23	length				
8	32mm Dia. PVC Pipe	24	length				
9	20 AT, 50 AF, 2P, MCCB	25	pcs				
10	30 AT, 50 AF, 2P, MCCB	6	pcs				
11	40 AT, 50 AF, 2P, MCCB	4	pcs				
12	40 AT, 50 AF, 3P, MCCB	2	pcs				
13	70 AT, 100 AF, 3P, MCCB	4	pcs				
14	150 AT, 100 AF, 3P, MCCB	2	pcs				
THIRD FLOOR TOTAL COST							

MATERIALS COST	
FREIGHT	
LABOR COST	
OCM	
CONTRACTORS PROFIT	
VATS%	
GRANDTOTAL	₱0.00

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**
 - d. Affidavit of site inspection;
 - e. Sworn Statement of Compliance with the Drawings and Specifications;
 - f. Statement of Availability of Key Personnel and Equipment; 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 audited financial statements, showing, among others the prospective bidder's total and current assets and liabilities, stamped

“received” by the BIR or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two (2) years from the date of bid submission; **and**

- (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.

