



Republic of the Philippines
CITY GOVERNMENT OF SAN CARLOS
Province of Negros Occidental

**BIDS AND AWARDS COMMITTEE
(BAC)**

BIDDING DOCUMENTS

FOR

**PURCHASE REQUEST NO. 18-25-04-0668
APPROVED BUDGET OF THE CONTRACT (ABC): P 12,746,000.00**

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION,
BRGY. GUADALUPE, SAN CARLOS CITY, NEGROS OCCIDENTAL**

WITH TERMS OF REFERENCE (TOR) AND PROJECT PLAN

(First Envelope: Eligibility and Technical Components)

SUBMITTED BY :
ADDRESS :
CONTACT NO. :
EMAIL AD :

DATE OF SUBMISSION

INSTRUCTIONS TO BIDDERS

1. Please submit sets of documents completely in two separate envelopes:
The *First Envelope (Original, Copy 1 and Copy 2)* containing Eligibility and Technical documents
The *Second Envelope (Original, Copy 1 and Copy 2)* containing Financial documents.
2. Check that all annexes are in accordance with the prescribed format and submit in chronological order.
Non-compliance is ground for disqualification.
3. Submit your completed bid documents on or before the time of the opening of bids mentioned below.
4. Electronic submission and receipt of bids is not available pending compliance with GPPB Resolutions.

Compliance of the above is for mutual advantage, i.e. to facilitate a complete and thorough evaluation of your bid documents.

SCHEDULES

Schedule/Place of Rebidding

June 10, 2025 @ 1:30 PM
BAC Secretarial Office
2F City Hall Building

Nonrefundable fee of Bidding Documents @ ₱ 25,000.00

**Bid and Awards Committee
City of San Carlos**

**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

1. **PHILGEPS Certificate of Registration and membership in accordance with Section 8.5.2 of R. A 9184-Platinum Membership**
2. **Joint Venture Agreement (JVA), if applicable**
3. **Net Financial Contracting Capacity (NFCC) based on the data submitted to the BIR thru its EFPS or Committed Line of Credit (CLC) from a Universal or Commercial Bank**
4. **Duly Notarized Statement of all on-Going **Government and Private Contracts.****
5. **Duly Notarized Statements of:**
 - a. **At least one (1) Completed Similar Contracts (**Government OR Private**) for the last five (5) years.**
 - b. **Single Largest Completed Contract (SLCC) at least 50% of the ABC.**
6. **Project Requirements:**
 - a. **Organizational Chart for the Contract to be Bid**
 - b. **List of Contractor's Personnel (**Registered Electrical Engineer , Skilled Laborer, Manual Laborer**), to be assigned to the contract to be bid, with their complete qualification and experience data**
 - c. **Duly notarized Affidavit of Site Inspection (Please see attached Form)**
7. **PCAB License**
8. **Bid Security in any of the following forms:**
 - a.) **Cash or Cashier's Check or Manager's Check issued : Two percent (2%) of the ABC**
by a Universal or Commercial Bank in favor of the City
Treasurer of San Carlos City
 - b.) **Bank draft/ guarantee or irrevocable letter of credit : Two percent (2%) of the ABC**
issued by a Universal or Commercial Bank ; provided ,
however, that it shall be confirmed or authenticated by a
Universal or Commercial Bank
 - c.) **Surety bond callable upon demand issued by a surety : Five percent (5%) of the ABC**
or insurance company duly certified by the Insurance
commission as authorized to issue such authority
 - d.) **Any combination of the foregoing : Proportionate to share form with respect**
to total amount of security
 - e.) **Bid Securing Declaration**
9. **Omnibus Sworn Statement in accordance with Section. 25.3 (Please see attached Form)**

X-X

**Bid and Awards Committee
City of San Carlos**

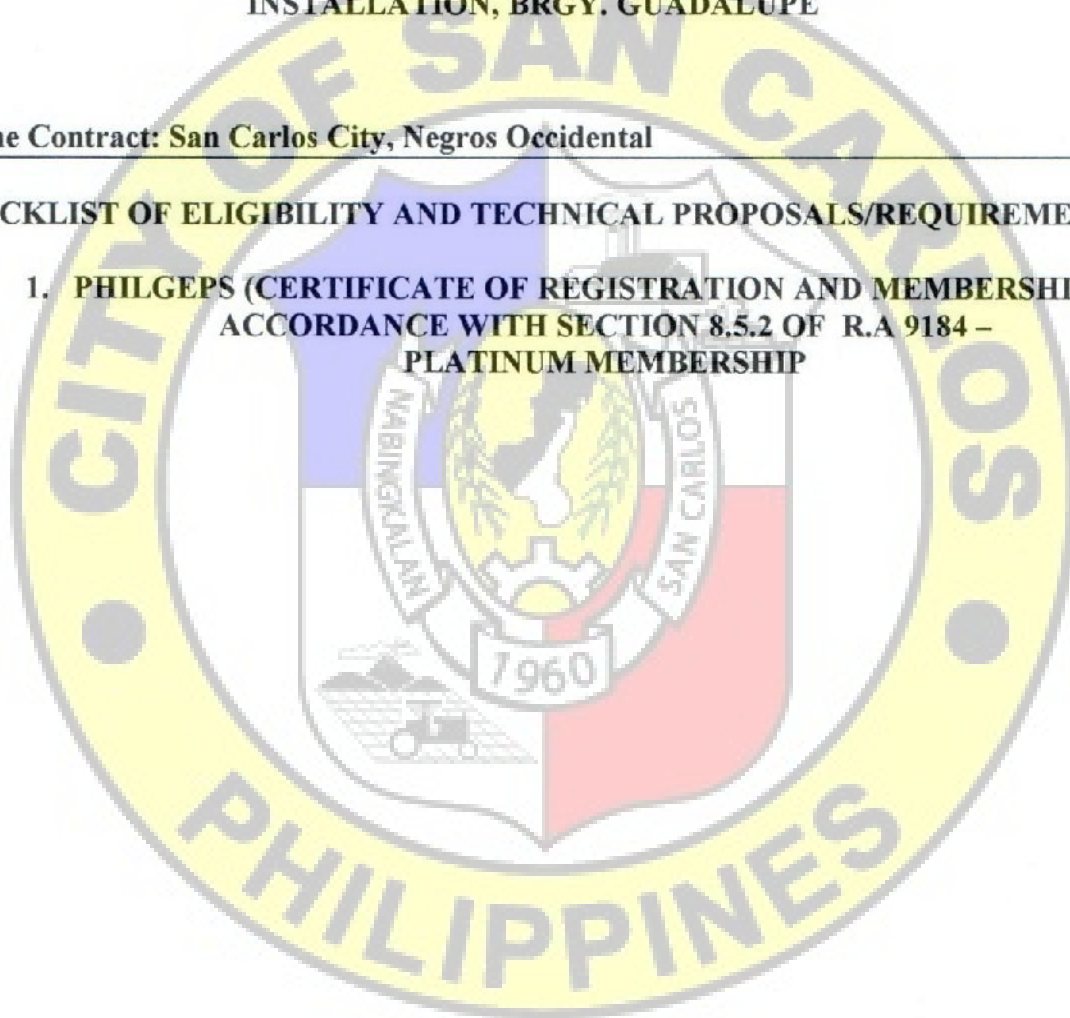
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

- 1. PHILGEPS (CERTIFICATE OF REGISTRATION AND MEMBERSHIP IN
ACCORDANCE WITH SECTION 8.5.2 OF R.A 9184 –
PLATINUM MEMBERSHIP**



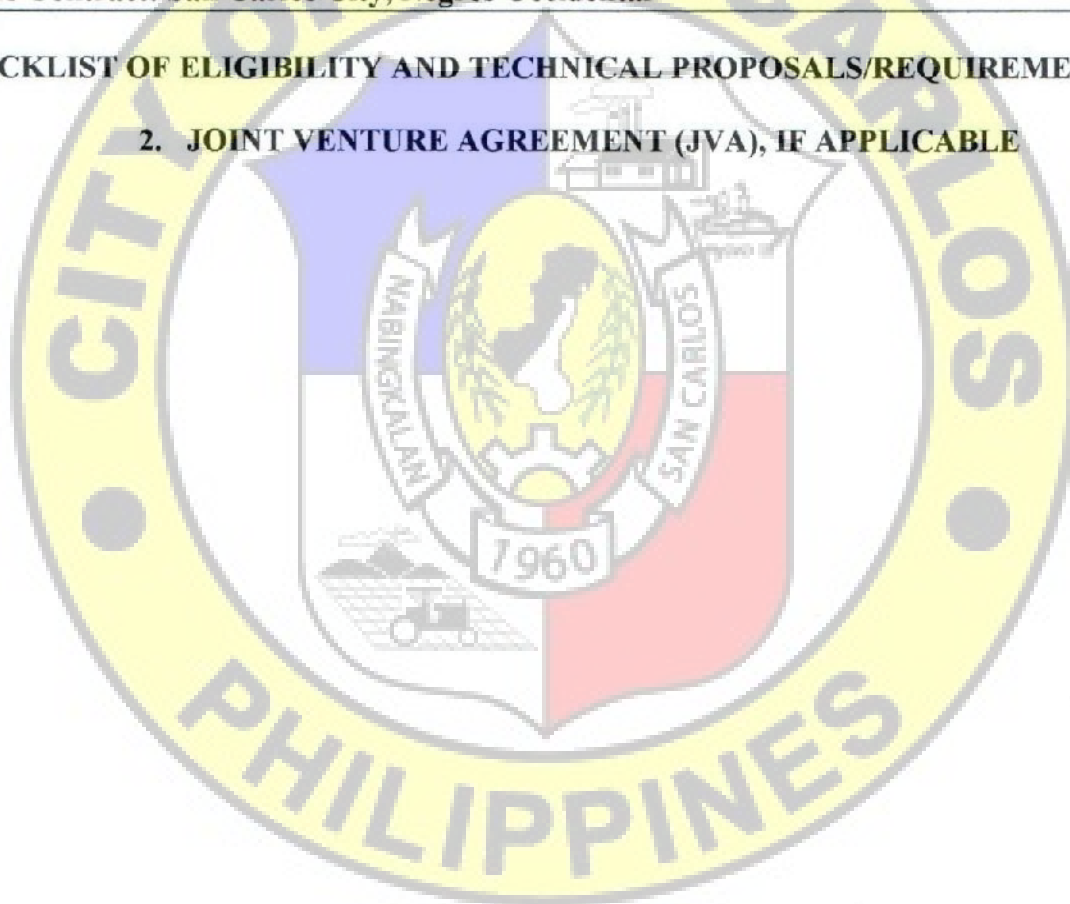
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

2. JOINT VENTURE AGREEMENT (JVA), IF APPLICABLE



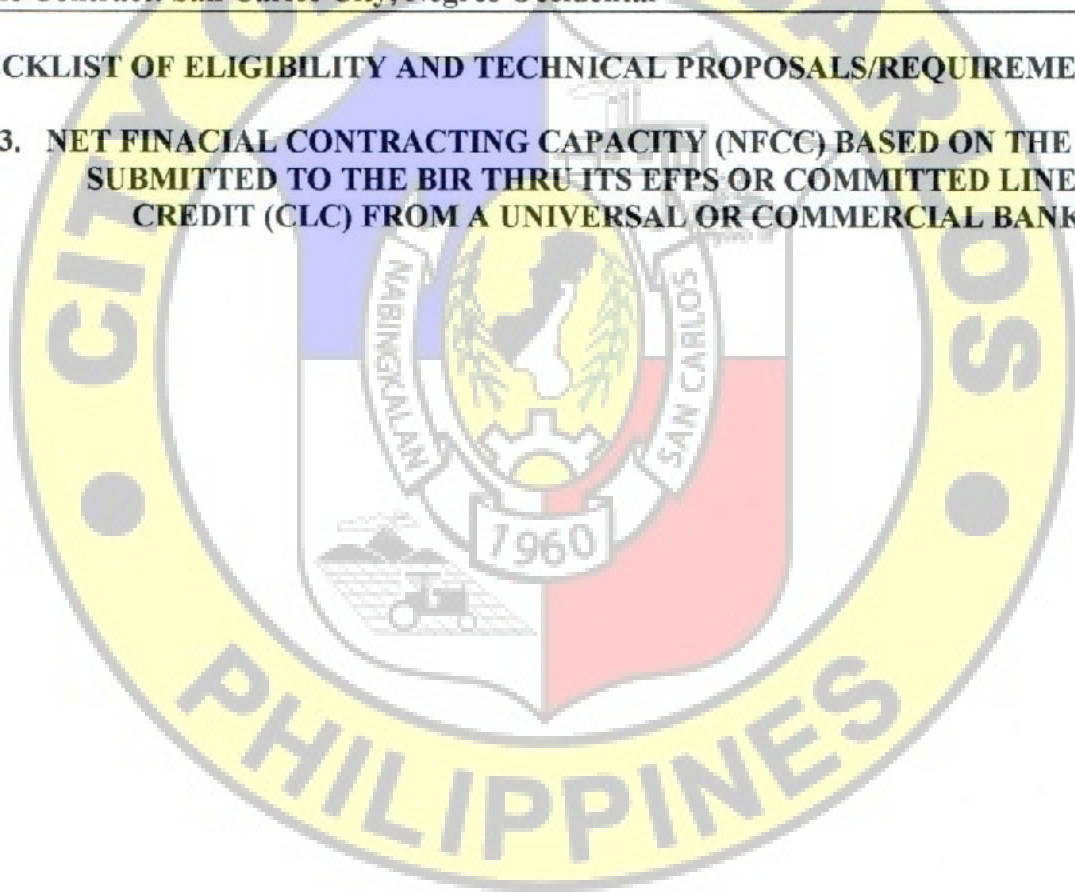
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

- 3. NET FINACIAL CONTRACTING CAPACITY (NFCC) BASED ON THE DATA
SUBMITTED TO THE BIR THRU ITS EFPS OR COMMITTED LINE OF
CREDIT (CLC) FROM A UNIVERSAL OR COMMERCIAL BANK**



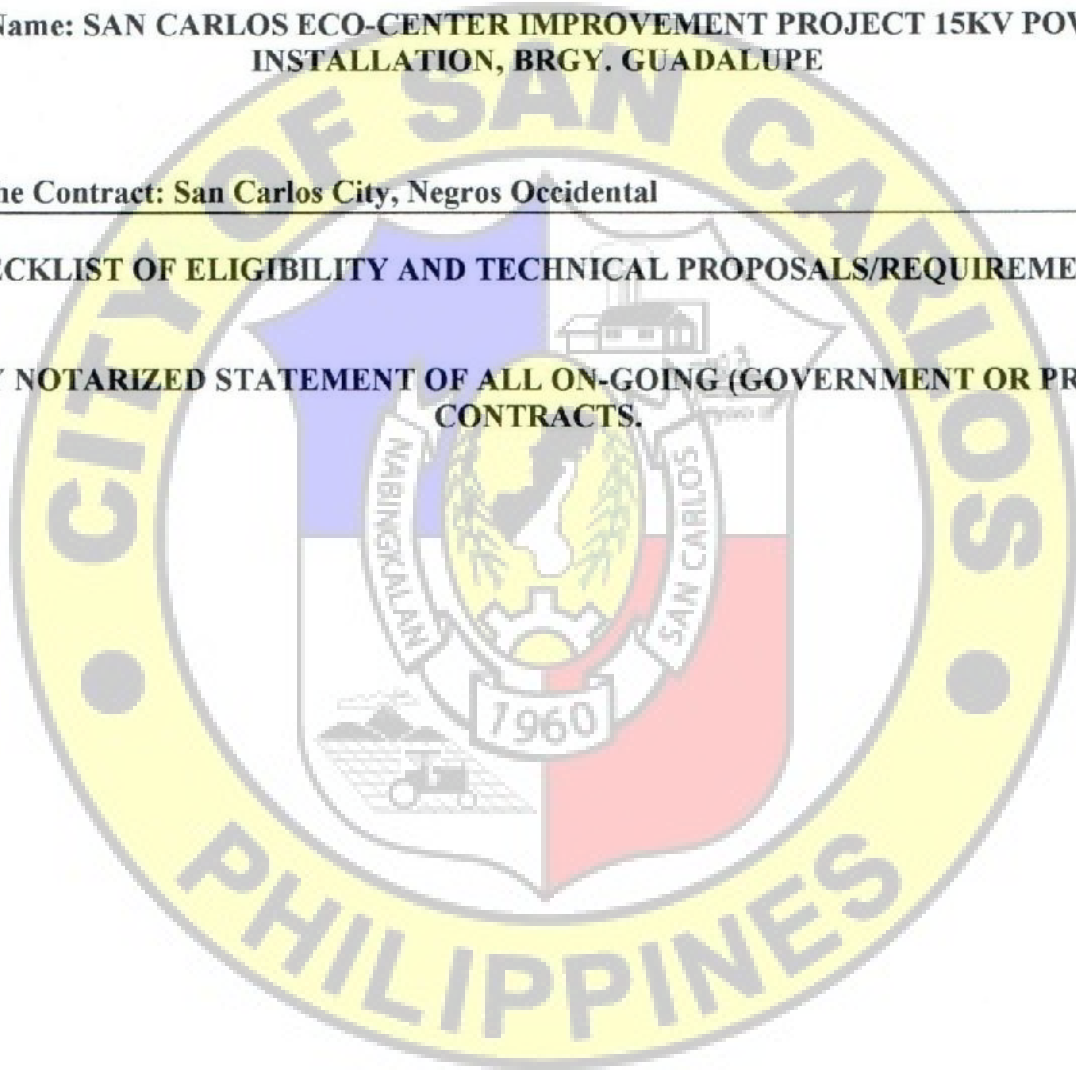
**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

**4. DULY NOTARIZED STATEMENT OF ALL ON-GOING (GOVERNMENT OR PRIVATE)
CONTRACTS.**



**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

5. DULY NOTARIZED STATEMENTS OF:

- A. AT LEAST ONE (1) COMPLETED SIMILAR CONTRACTS (GOVERNMENT OR PRIVATE)
FOR THE LAST FIVE (5) YEARS**
- B. SINGLE LARGEST COMPLETED CONTRACT (SLCC) AT LEAST 50% OF THE ABC**

Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

6. PROJECT REQUIREMENTS

- Organizational Chart for the Contract to be Bid.
- List of Contractor's Personnel (**Registered Electrical Engineer, Skilled Laborer, Manual Laborer**), to be assigned to the contract to be bid, with their complete qualification and experience data
- Duly notarized Affidavit of Site Inspection (Please see attached Form)

Name of the Procuring Entity

Contract Reference Number
Name of the Contract
Location of the Contract

Standard Form Number: SF-INR-51
Revised on: August 11, 2004

AFFIDAVIT OF SITE INSPECTION

I, (Representative of the Bidder), of legal age, civil status, Filipino and residing at (Address of the Representative), under oath, hereby depose and say:

- That I am the (Position of the Bidder) of the (Name of the Bidder), with office at (Address of the Bidder);
- That I have inspected the site for (Name of Contract), located at (Location of the Contract);
- That I am making this stamen as part of the requirement for the Technical Proposal of the (Name of the Bidder) for (Name of the Contract).

IN FAITH WHEREOF, I hereby affix my signature this _____ day of _____, 20____ at _____, Philippines.

AFFIANT

SUBSCRIBED AND SWORN TO before me this _____ day of _____, 20____, affiant exhibiting to me his/ her Community Tax Certificate No. _____ issued on _____ at _____, Philippines.

(Notary Public)

Until _____
PTR No. _____
Date _____
Place _____
TIN _____

Document No. _____
Page No. _____
Book No. _____
Series of _____

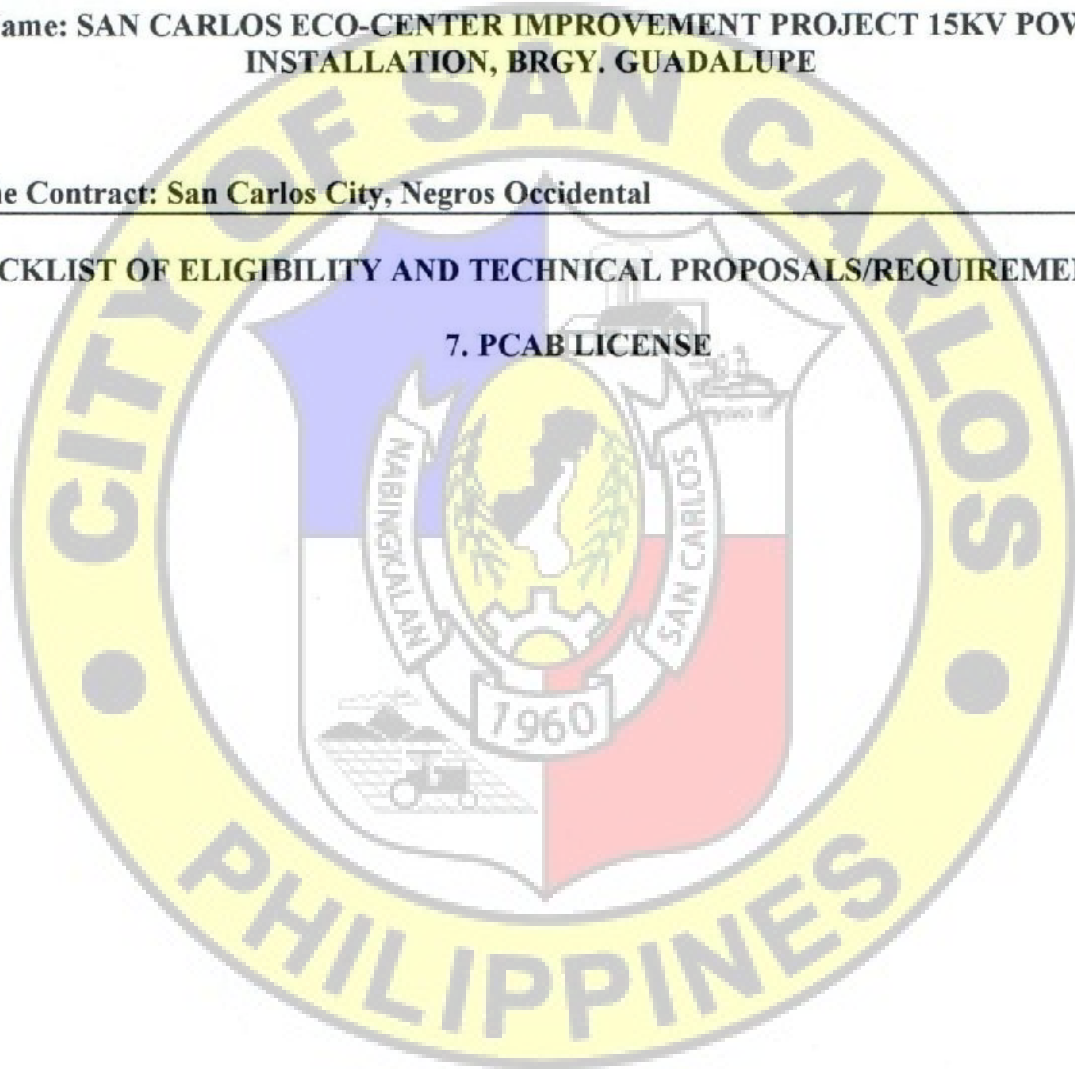
Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

7. PCAB LICENSE



**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

8. BID SECURITY IN ANY OF THE FOLLOWING FORMS:

- a. Cash or Cashier's Check or Manager's Check issued by a Universal or Commercial Bank in favor of City Treasurer of San Carlos City (Two percent (2%) of the ABC)
- b. Bank draft/ guarantee or Irrevocable Letter of Credit issued by a Universal or Commercial Bank ; provided , however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank, (Two percent (2%) of the ABC)
- c. Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance commission as authorized to issue such authority:(Five percent (5%) of the ABC)
- d. Any combination of the foregoing (Proportionate to share form with respect to total amount of security)
- e. Bid Securing Declaration

REPUBLIC OF THE PHILIPPINES)
CITY OF SAN CARLOS, NEGROS OCCIDENTAL) S.S.

BID SECURING DECLARATION

Project Identification No. / Purchase Request (PR) No. : 18-25-04-0668

To: *[Insert name and address of the Procuring Entity]*

I/ We, the undersigned, declare that:

1. I/ We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/ We accept that: (a) I/ We will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting order; and 9b) I/ We will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Section 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/ We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/ We are declared ineligible or post- disqualified upon receipt of your notice to such effect, and (i) I / We failed to timely file a request for reconsideration or (ii) I/ We filed a waiver to avail of said right; and
 - c. I am/ We are declared the bidder with the Lowest Calculated Responsive Bid, and I/ We have furnished the performance security and signed the Contract.

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

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

[Jurat]

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

**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

Location of the Contract: San Carlos City, Negros Occidental

CHECKLIST OF ELIGIBILITY AND TECHNICAL PROPOSALS/REQUIREMENTS

9. OMNIBUS SWORN STATEMENT IN ACCORDANCE WITH SEC. 25.3

Purchase Request (PR) No. 18-25-04-0668

REPUBLIC OF THE PHILIPPINES)

CITY OF SAN CARLOS, NEGROS OCCIDENTAL) S.S.

AFFIDAVIT

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

1. [Select one, delete the other:]

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

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

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

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

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

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

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. [Select one, delete the rest:]

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

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

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

7. [Name of Bidder] complies with existing labor laws and standards; and
8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN WITNESS WHEREOF, I have hereunto set my hand this ___ day of ___, 20__ at _____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]

Affiant

[Jurat]

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



Republic of the Philippines
CITY GOVERNMENT OF SAN CARLOS
Province of Negros Occidental

**BIDS AND AWARDS COMMITTEE
(BAC)**

BIDDING DOCUMENTS

FOR

PURCHASE REQUEST NO. 18-25-04-0668

APPROVED BUDGET OF THE CONTRACT (ABC): P 12,746,000.00

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION,
BRGY. GUADALUPE, SAN CARLOS CITY, NEGROS OCCIDENTAL**

WITH TERMS OF REFERENCE (TOR) AND PROJECT PLAN

(Second Envelope: Financial Components)

SUBMITTED BY : _____
ADDRESS : _____
CONTACT NO. : _____
EMAIL AD : _____

DATE OF SUBMISSION

INSTRUCTIONS TO BIDDERS

1. Please submit sets of documents completely in two separate envelopes:
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The *Second Envelope (Original, Copy 1 and Copy 2)* containing Financial documents.
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Compliance of the above is for mutual advantage, i.e. to facilitate a complete and thorough evaluation of your bid documents.

SCHEDULES

Schedule/Place of Rebidding

June 10, 2025 @ 1:30 PM
BAC Secretarial Office
2F City Hall Building

Nonrefundable fee of Bidding Documents @ ₱ 25,000.00

**Bid and Awards Committee
City of San Carlos**

[illegible]

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

1. Duly Signed Form of Bid
2. Duly Signed Bid Price in the Bill of Quantities (BOQ) containing the total bid amount
3. Duly Signed Detailed Estimates
4. Duly Signed Cash flow by Quarter and Payment Schedule

Bid and Awards Committee

Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

1. DULY SIGNED FORM OF BID

Date : _____

Project Identification / Purchase Request No. : 18-25-04-0668

To: *[name and address of Procuring Entity]*

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

- a. We have no reservation to the PBDs, including the Supplemental or Bid Bulletins, for the Procurement Project: *[insert name of contract]*;
- b. We offer to execute the Works for this Contract in accordance with the PBDs;
- c. The total price of our Bid in words and figures, excluding any discounts offered below is: *[insert information]*;
- d. The discounts offered and the methodology for their application are: *[insert information]*;
- e. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein and reflected in the detailed estimates,
- f. Our Bid shall be valid within a period stated in the PBDs, and it shall remain binding upon us at any time before the expiration of that period;
- g. If our Bid is accepted, we commit to obtain a Performance Security in the amount of *[insert percentage amount]* percent of the Contract Price for the due performance of the Contract, or a Performance Securing Declaration in lieu of the allowable forms of Performance Security, subject to the terms and conditions of issued GPPB guidelines for this purpose;
- h. We are not participating, as Bidders, in more than one Bid in this bidding process, other than alternative offers in accordance with the Bidding Documents;
- i. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed; and
- j. We understand that you are not bound to accept the Lowest Calculated Bid or any other Bid that you may receive.
- k. We likewise certify/confirm that the undersigned, is the duly authorized representative of the bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for the *[Name of Project]* of the *[Name of the Procuring Entity]*.
- l. We acknowledge that failure to sign each and every page of this Bid Form, including the Bill of Quantities, shall be a ground for the rejection of our bid.

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental

Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

PURCHASE REQUEST NO. 18-25-04-0668

2. DULY SIGNED BID PRICE IN THE BILL OF QUANTITIES (BOQ)

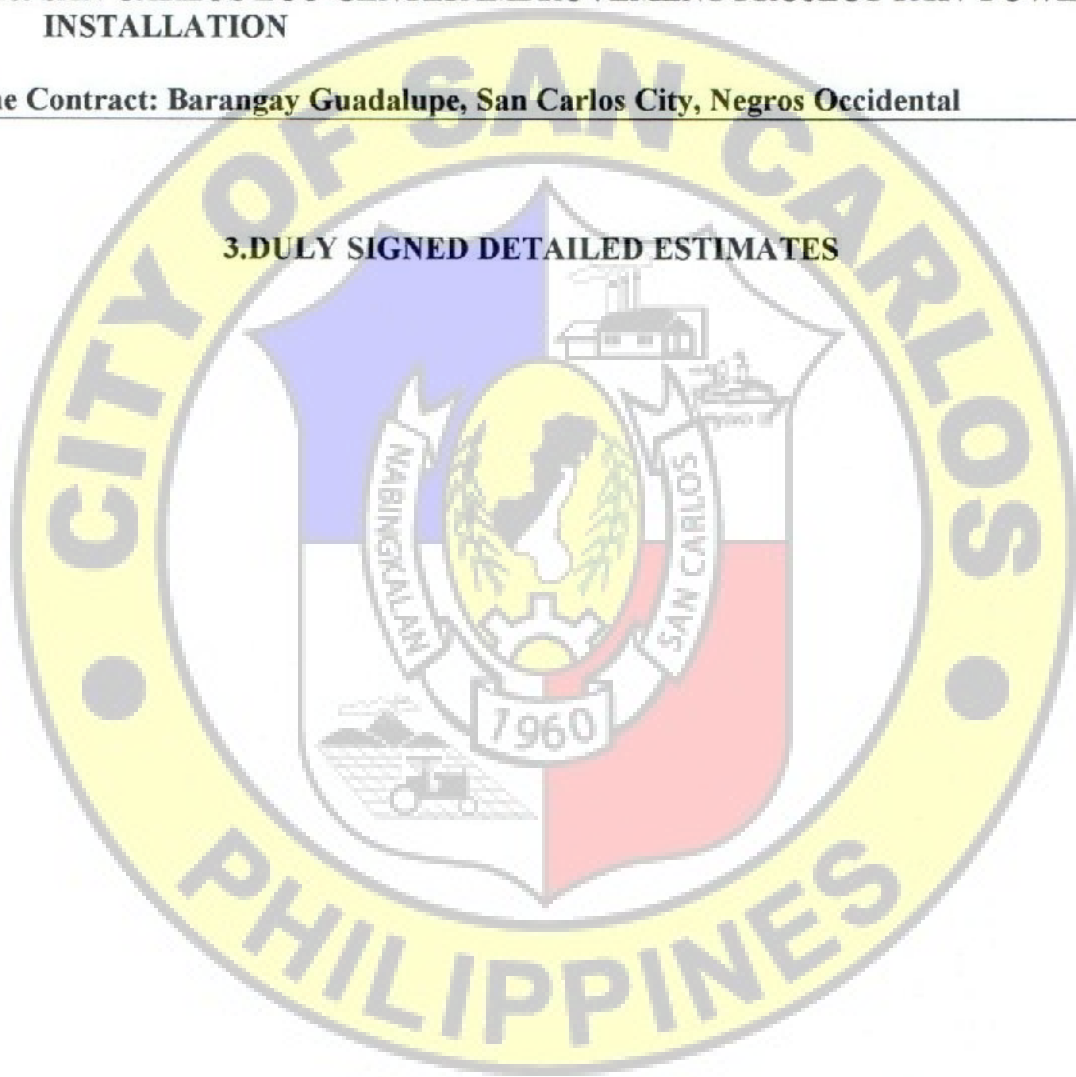
BILL OF QUANTITIES					
(Columns (1), (2) and (3) are to be filled up by the Procuring Entity)			(Columns (4) and (5) are to be filled up by the Bidder)		
	Description	Unit	Quantity	Unit Price (Pesos)	Amount (Pesos)
	(1)	(2)	(3)	(4)	(5)
I	Mobilization/Demobilization	Lot	1.0	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
II	Medium Voltage Construction	Lin.m.	950.0	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
III	Wires and Cables	Lin.m.	450.0	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
IV	Conduits and Boxes	Lin.m.	450.0	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
V	Panel Board, LVSG & ATS	Lot	1	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
VI	Metering	Lot	1	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
VII	Steel Works	Lot	1	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
VIII	Transformer	Lot	1	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP
IX	Grounding System	Lot	1	In words: Pesos In figures: PHP	In words: Pesos In figures: PHP

**Republic of the Philippines
City Government of San Carlos
Province of Negros Occidental**

**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION**

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

3.DULY SIGNED DETAILED ESTIMATES

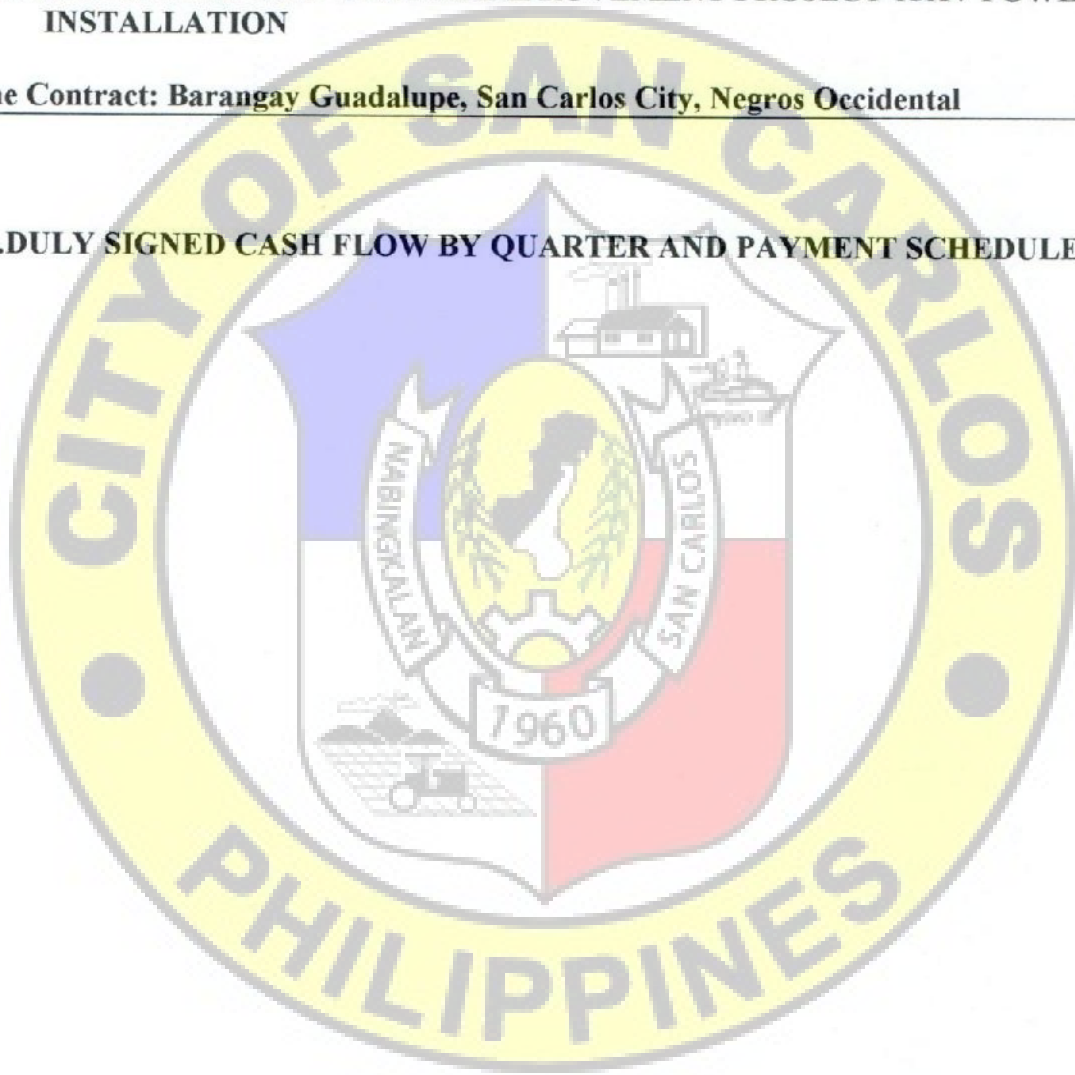


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**Contract Name: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION**

Location of the Contract: Barangay Guadalupe, San Carlos City, Negros Occidental

4.DULY SIGNED CASH FLOW BY QUARTER AND PAYMENT SCHEDULE



APPROVAL PAGE

**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

(P 12,746,000.00)

TERMS OF REFERENCE

City of San Carlos
Province of Negros Occidental

Prepared by:

John Leur C. Virtucio

Engineer I

Reviewed by:

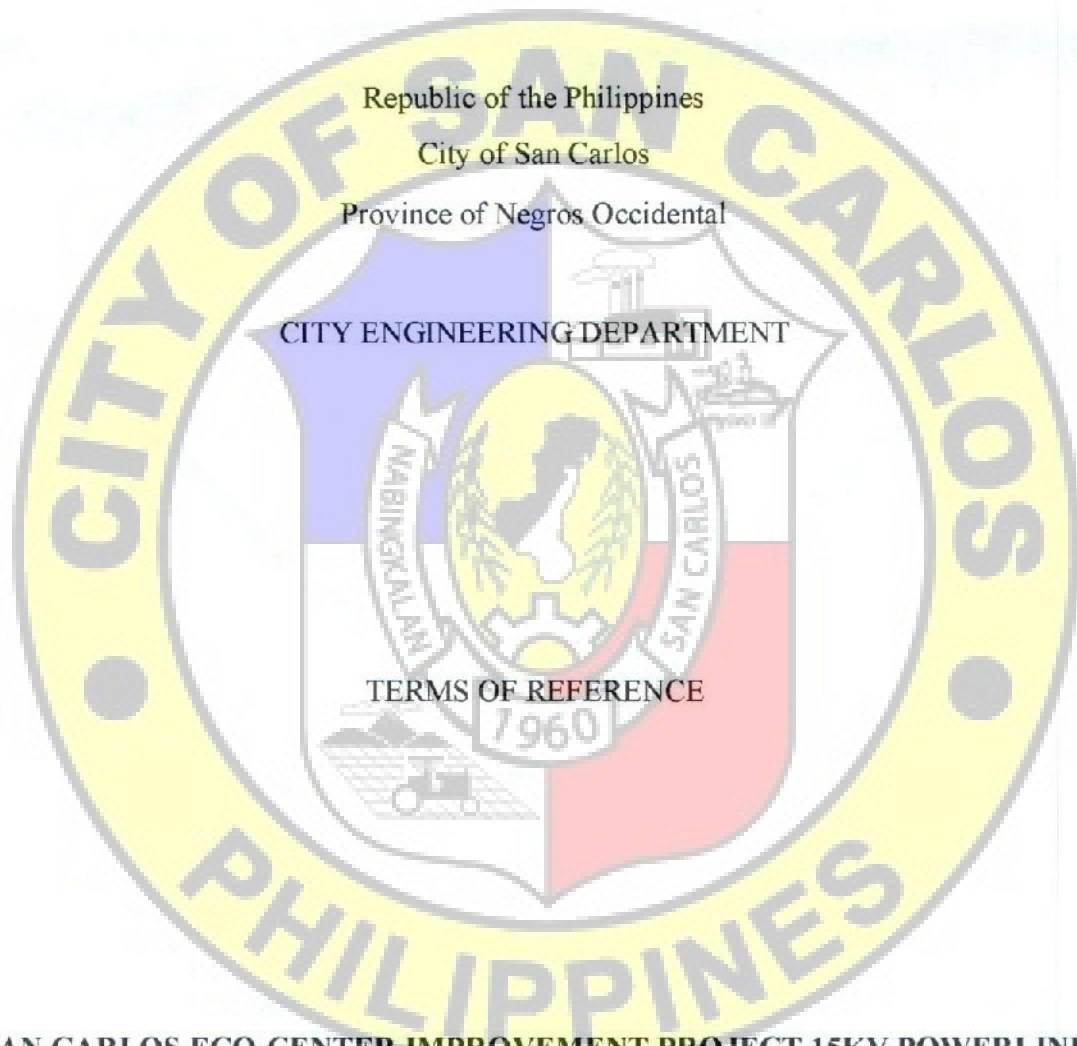
Rexter E. Nemenzo

CGDN I - City Engineer

Approved by:

Renato Y. Gustilo

City Mayor



**SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE
INSTALLATION, BRGY. GUADALUPE**

(P 12,746,000.00)

TABLE OF CONTENTS

A. Background	4
B. General Objective	4
C. The Bidder/Contractor	4
D. The Requirements	5
E. Materials Specifications	6
F. Delivery/Completion	10
G. Manpower Requirement	10
H. Warranty	10
I. Payment Scheme	10

A. Background

In -2024, the Integrated Waste Management/Pollution Control Division of the City Environment Management Office (CEMO) proposed acquiring advanced equipment, including an Advanced Waste Solution Equipment with Pollution Control Device, Plastic Shredder, Plastic Extruder with Environmental Pollution Control Device, Glass Pulverizer, Hollow Block Machine, and Mortar Mixer. This initiative aligns with the Ecological Solid Waste Management Act of 2000 (R.A. 9003), aiming to enhance the city's solid waste management.

To ensure the safe operation of these machines, it is necessary to Install a Powerline that is compatible to the required power supply for the protection of the equipment. This project will strengthen the city's waste management system and contribute to environmental sustainability.

B. General Objectives

The primary objectives of the project are:

- To facilitate the LGU's compliance to the R.A. 9003 or the Ecological Solid Waste Management Act of 2000
- To employ a sustainable solution to Solid Waste Management issues, thereby addressing DILG's parameter in the application of the Seal of Good Governance
- To promote environmental protection by sustainable Solid Waste Management Solutions
- To ensure the safety of the machines and equipment.

C. The Bidder / Contractor

The Bidder is required to have the following qualifications:

1. The bidder/contractor should have an experience in 3Phase, 380V (Line to Line), 240V (Line to Neutral), Banking of Transformer electrical installations.
2. The bidder/contractor should have an experience in the erection of utility Electrical Poles with minimum coverage of 500 meters with medium to low voltage power lines.
3. The Bidder should have an experience in stringing of cables and provision of standard materials for insulation, guy wires and support for power lines.
4. The bidder/ contractors should have an experience in Grounding System including tools and test equipment for grounding works and shall provide safety tools, equipment, and personnel before and after the project.

5. The Contractor must have a qualified Electrical Engineer / Supervisor and must be available at site during working hours to ensure proper execution and supervision of work.

6. The bidder/supplier is preferably within Visayas area in order for the end-user to easily communicate in case of future concerns regarding the project.

D. The Requirements

➤ Scope of Works

The scope described and included in this project is for the supply of labor and materials. Moreover, all equipment and materials shall conform to the end user for quality assurance.

a. Mobilization and Demobilization

- Mobilization includes Building and Electrical Permits and Fees, all the preparatory work and operations necessary for the movement of materials, personnel, equipment, supplies to the project site. Demobilization includes the winding down, cleaning and clearing, removing of equipment, personnel and supplies from the construction site after completion.

b. Medium Voltage Construction

- Installation of Cross Arm to the Electrical Poles, Grounding and Anchor assembly.
- Laying of Single Loop Guy Wire with Pintype insulator, disc insulator / insulator suspension, strain and end clamp, ring / ball type machine, U-Clamp, Fuse link, Hot Clamp, Fuse Cut out, and Lightning Arrester.

c. Wires, Cables, Conduits and Boxes

- Laying of THHN Wires (5.5mm², 8.0mm², 14.0mm², 22.0mm², 30mm², 150mm²)
- Supply and Installation of PVC Conduits, Flexible Pipe, Utility, Junction Boxes and Pull Boxes

d. Panel Board, LVSG and ATS

- Purchase and installation of Panel Board and Low Voltage Switch Gear

PB-Septage: Main: 1-60AT 3P 400V VAC MCCB Branch: 6-20At 3P MCCB Bolt on type

MDP: Main: 1-300AT 3P 400V VAC MCCB with Voltmeter, hert meter Ammeter, Pilot light. Powder coated. Pre standing with NEMA3R enclosure, Branch: 2 -80AT 2P MCCB Bolt on type; 1-125At 2P MCCb bolt on type; 1-60AT 3P MCCB bolt in type; 2-100AT 2P MCCB; 1-100AT 3P MCCB; 1-30AT 3P MCCB; 2-40AT 2P MCCB; 1-30AT 2P MCCB; 2-30AT 3P MCCB

Main ECB: 1-300AT 3p MCCB 415V with NEMA3r Enclosure with Pilot Light

- Purchase and Installation of Automatic Transfer Switch (2-300AT ATS with Single and High Voltage relay with NEMA3R Enclosure).

e. Metering

- the winning bidder shall shoulder the expenses for all materials, wiring devices, testing and calibration fees for the materials needed for power metering. Utilities company (NONECO) is the sole company to install the Power Metering works.

f. Steelworks

- involves cutting works for Steel and Welding Works.

g. Transformer

- Purchase and Installation of 3-75kVA Transformer 14.4kV/24.9kV/240-480 pole mounted Oil type

h. Grounding System

- Purchase and Installation of grounding System using 100mm² BCW 3/4 copper ground 3 meters exothermic welding kit Ground well including Grounding Testing and Reports

i. Vehicle, digging equipment and safety

- Digging of foundation for the erection of Electrical Poles
- Wire Tensioning Equipments.
- Provide safety tools, personnel and equipment

j. Powerhouse

- Construction of Powerhouse which includes Concrete Works, Masonry Works, Steel Works, Doors and Louvers, Painting Works and Electrical Works.

➤ **General Requirements**

- Construction safety protocols should be observed at all times during the duration of the project.
- All plans shall be supplied by the end-user.
- If there are any revisions as to original plan will require the winning bidder to submit as-built plans at no cost to the end user.

E. Materials Specifications

Medium Voltage Construction (Electrical Post)

Electrical Steel Post

PS35-MPA Steel Post 35FT HDG

PS35-MPA Steel Post 40FT HDG

Grounding Assymby

Anchor Assymby 13.2kV Single Loop Guy Wrapped 1/2Ø

3-1/2 x4-1/2" x8' Cross arm HDG

3-1/2 x4-1/2" x10' Cross arm HDG

Insulator Pint type Umbrella 5/8 x 8 inch

Disc insulator/ Insulator suspension

Shackle Insulator

Strain Clamp Dead end

#2/0 (50MM²) ACSR

C#1/0 ins

C#2 DUP

Wires and Cables

5.5mm² THHN wires
8.0mm² THHN wires
14.0mm² THHN wires
22mm² THHN wires
30mm² THHN wires
150mm² THHN wires

Conduits and Boxes

1 inch PVC sched 40
1½ inch PVC sched 40
2 inch PVC sched 40
1/2 inch Flexible pipe sched 80
Utility Box GI
Junction Box GI
Pull Box GI # 16 25x25x30
1 inch PVC long elbow
1½ inch PVC long elbow
2 inch PVC long elbow

Panel Boards, LVSG & ATS

PB- Septage

Main: 1-60AT 3P 400V VAC MCCB
Branch: 6-20At 3P MCCB Bolt on type

MDP

Main: 1-300AT 3P 400V VAC MCCB with Voltmeter, hertz meter Ammeter, Pilot light. Powder coated. Pre standing with NEMA3R enclosure

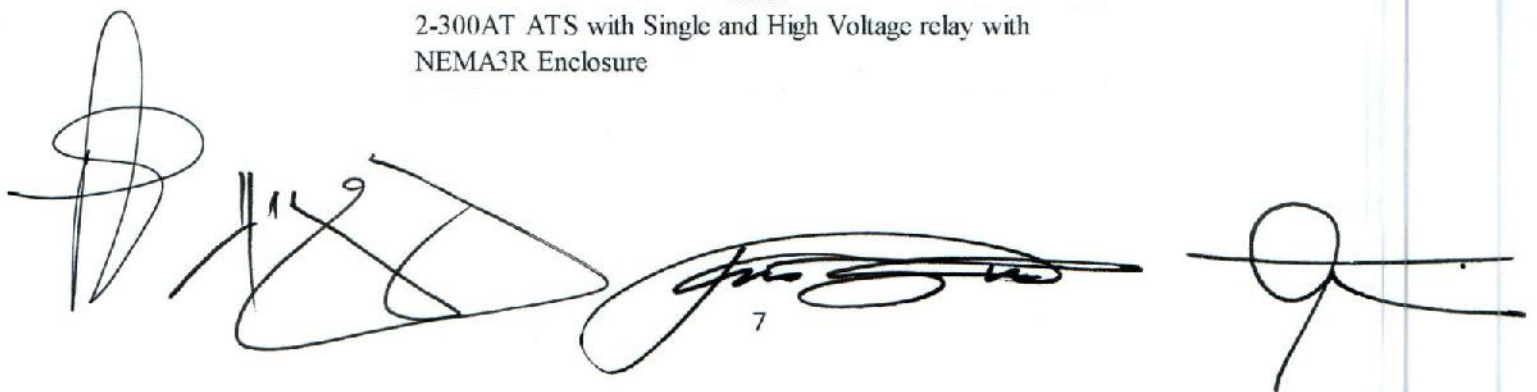
Branch: 2 -80AT 2P MCCB Bolt on type; 1-125At 2P MCCB bolt on type; 1-60AT 3P MCCB bolt in type; 2-100AT 2P MCCB; 1-100AT 3P MCCB; 1-30AT 3P MCCB; 2-40AT 2P MCCB; 1-30AT 2P MCCB; 2-30AT 3P MCCB

Main ECB

1-300AT 3p MCCB 415V with NEMA3r Enclosure with Pilot light

ATS

2-300AT ATS with Single and High Voltage relay with NEMA3R Enclosure



Metering

kWhr-m 3P 4 wire WYE- DELTA 380-400V with Battery soft switch

Current transformr 15kV Outdoor type Ratio 30:15:5 with complete Accessories

Potential Transformr 15kV outdoor type 70:1840:120V metering class ,complt with accessories

Lighting Arrester 11kV

100A 15kV Fuse cut Out

13JAw heavy duty 2inch \varnothing meter base Class 200

Fuse Link 10A

Hot line Clamp

Clamp Loop Dead end

Stirrup s2/0- 4/0 Threaded

Steel Works

#16 GI tie Wire

Electrical tape Big

Rubber tape

Angle Bar 1.5" x 1.5" x 1/4" x 20'

Flat Bar 2" x 1/4" x 20'

3/8dyna bolt hinder grip

Blow torch

Butane gas

PVC Solvent 200cc

Metal drill bits 3/6

Metal drill bits 1/4

Concrete drill 3/16

Concrete drill 1/4

Cutiing disc 4 inch

Hack saw blade

2 inch service entrance cap

Welding rod E6011

4 inch diameter Gi Pipe sChed 40

Ring/ball type long bolt 12 inch

Ring/ball type long bolt 10 inch

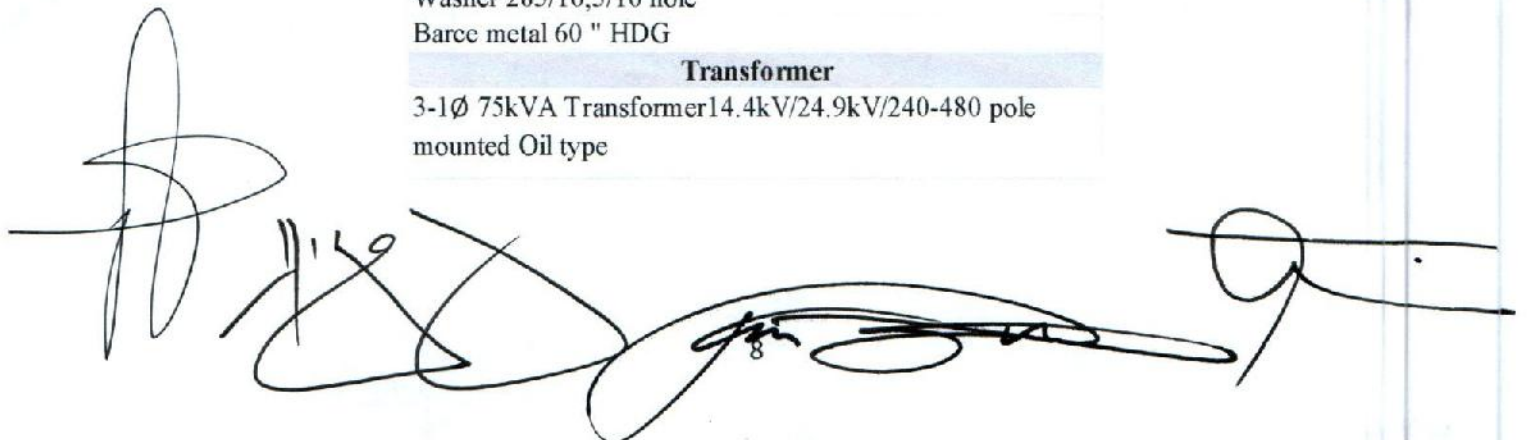
U clamp with lock

Washer 283/16,3/16 hole

Barce metal 60 " HDG

Transformer

3-1 \varnothing 75kVA Transformer 14.4kV/24.9kV/240-480 pole mounted Oil type



Grounding System

100mm² BCW
3/4 copper ground 3 meters
exothermic welding kit
Ground well

Powerhouse

Concrete, Masonry and Steel Works
Portland Cement

Washed Sand
Crushed Gravel 3/4"
CHB 4" x 8" x 16"
10mm DRSB
12mm DRSB
16mm DRSB

Tie Wire #16
Rough Lumber
Ord. Plywood 1/2"
CW Nails 4"
CW Nails 1 1/2"
Concrete Nails 2"
Retangula tube 2"x3"
Retangula tube 1"x2"

Welding Electrode
Consumables

Doors and Louvers

Entrance Door with
complete accessories
Louvers

Painting Works

Acrylic Primer
Semi Gloss Latex, ISO cet., Premium quality
QDE White, Premium Quality
Tinting Color Latex, Raw Sienna
#120 Sandpaper, waterproof, best quality
#60 Sandpaper, waterproof, best quality
3" Paintbrush
2" Paintbrush
4" Roller brush with handle
Paint thinner, ISO cert., best quality
Body Filler
Red Oxide Metal Primer

Electrical Works

9W LED Lights
3.5" dia. Receptacle Light Outlet
Downlight Housing 4"Ø
2-gang Switch wide series flush mount type
2-gang convenience outlet
8"x8"x6" Pull box
Electrical Conduit 20mm dia. x 3m
Electrical Tape
Flexible Hose 1/2"
Junction Box 2x4
Utility Box
THHN wire #102 (150m/box)
THHN wire #10 (150m/box)

Powerhouse

Concrete, Masonry and Steel Works

Portland Cement
Washed Sand
Crushed Gravel 3/4"
CHB 4" x 8" x 16"

10mm DRSB

12mm DRSB

16mm DRSB

Tie Wire #16

Rough Lumber

Ord. Plywood 1/2

CW Nails 4"

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Welding Electrode

Consumables

Doors and Louvers

Entrance Door with
complete accessories

Louvers

Painting Works

Acrylic Primer

Semi Gloss Latex, ISO cet., Premium quality

QDE White, Premium Quality

Tinting Color Latex, Raw Sienna

#120 Sandpaper, waterproof, best quality

#60 Sandpaper, waterproof, best quality

3" Paintbrush

2" Paintbrush

4" Roller brush with handle

Paint thinner, ISO cert., best quality

Body Filler

Red Oxide Metal Primer

Electrical Works

9W LED Lights

3.5" dia. Receptacle Light Outlet

Downlight Housing 4"Ø

2-gang Switch wide series flush mount type

2-gang convenience outlet

8"x8"x 6" Pull box

Electrical Conduit 20mm dia. x 3m

Electrical Tape

Flexible Hose 1/2"

Junction Box 2x4

Utility Box

THHN wire #102 (150m/box)

THHN wire #10 (150m/box)

F. Delivery / Completion

Completion shall be within 200 Calendar days

G. Man Power Requirement

Manpower for the project shall be at least of the following;

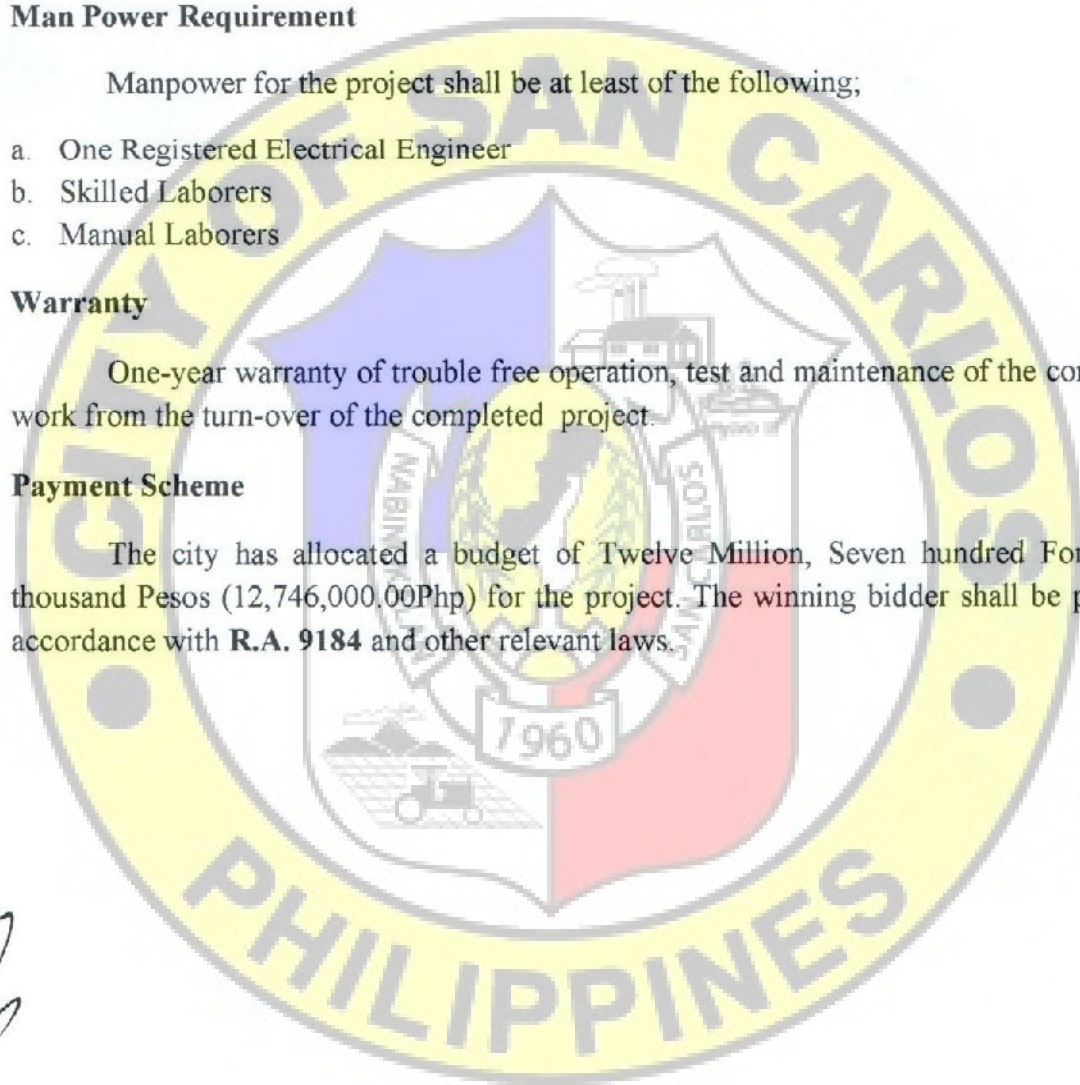
- a. One Registered Electrical Engineer
- b. Skilled Laborers
- c. Manual Laborers

H. Warranty

One-year warranty of trouble free operation, test and maintenance of the complete work from the turn-over of the completed project.

I. Payment Scheme

The city has allocated a budget of Twelve Million, Seven hundred Forty six thousand Pesos (12,746,000.00Php) for the project. The winning bidder shall be paid in accordance with **R.A. 9184** and other relevant laws.



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WEAT	CAT
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DATE	TIME
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DATE	PLC
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MEAC	DATE
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WAC	CATC
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MEAL	CAT
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SITE DEVELOPMENT PLAN

NTS

PREPARED IN THE OFFICE OF THE

5.3.5

[illegible]

ADDRESS: 344 CAULDS CTRY, MICHIGAN OCCIDENTAL

PROJECT TITLE	PROJECT NUMBER	PROJECT TYPE	PROJECT STATUS	PROJECT START DATE	PROJECT END DATE	PROJECT BUDGET	PROJECT SPONSOR	PROJECT MANAGER	PROJECT TEAM	PROJECT DESCRIPTION	PROJECT OUTCOMES	PROJECT CHALLENGES	PROJECT LESSONS LEARNED
Project A	101	Software Development	Completed	2023-01-01	2023-03-31	\$50,000	John Doe	Jane Smith	John Doe, Jane Smith, Bob Johnson	Developed a new software application for the company's internal use.	Improved efficiency and reduced costs.	Scope creep and communication issues.	Clear communication and strict scope management.
Project B	102	Hardware Upgrade	In Progress	2023-04-01	2023-06-30	\$75,000	Jane Smith	Bob Johnson	Jane Smith, Bob Johnson, Alice Brown	Upgraded the company's server infrastructure.	Increased system capacity and performance.	Hardware delays and budget constraints.	Proactive communication and budget management.
Project C	103	Marketing Campaign	Planned	2023-07-01	2023-09-30	\$30,000	Bob Johnson	Alice Brown	Bob Johnson, Alice Brown, David White	Launched a new marketing campaign for the company's product line.	Increased brand awareness and sales.	Timing and budget issues.	Thorough planning and budget control.

**SAN CARLOS ECO-CENTER IMPROVEMENT
PROJECT 15KV POWERLINE INSTALLATION**

LOCATION: SAN CARLOS CITY

PREPARED BY

ENGR. PAUL SEMMIG, PUERTILLANO

EMERGENCY

CHECKED BY:

ENGR. JOSE MARIO A. MAMAC

ENGINEER III

RECOMMENDING APPROVAL:

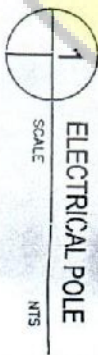
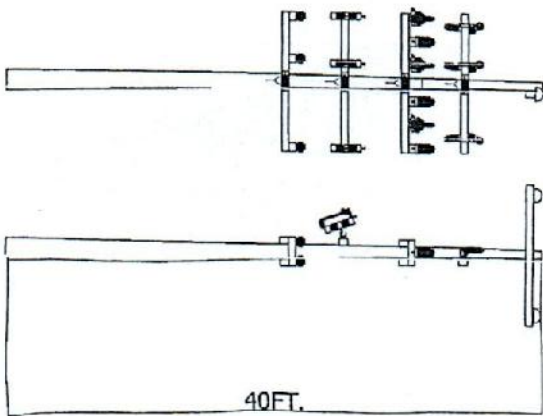
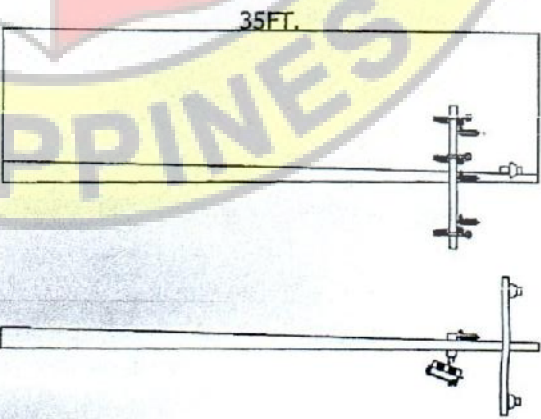
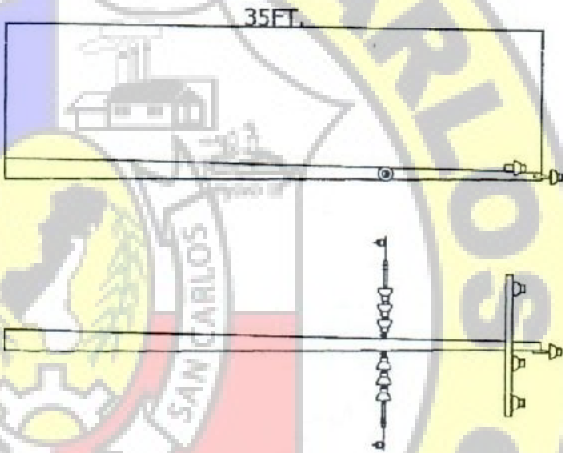
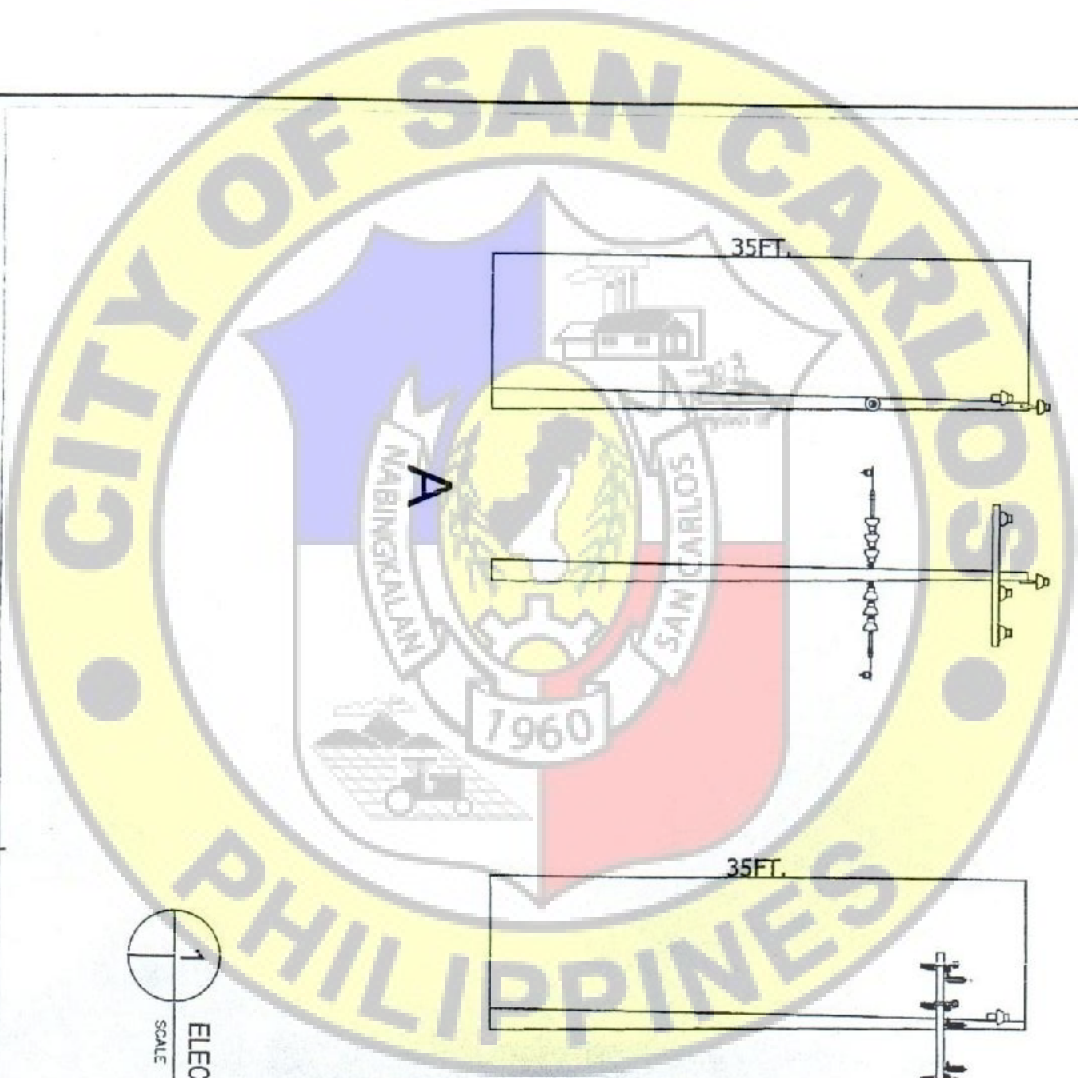
BIGH. BERTER E NEMENZO

Civil/City Engineer

APPENDIX B

FRAN. RENATO Y. GUSTILLO

CITY MAYOR

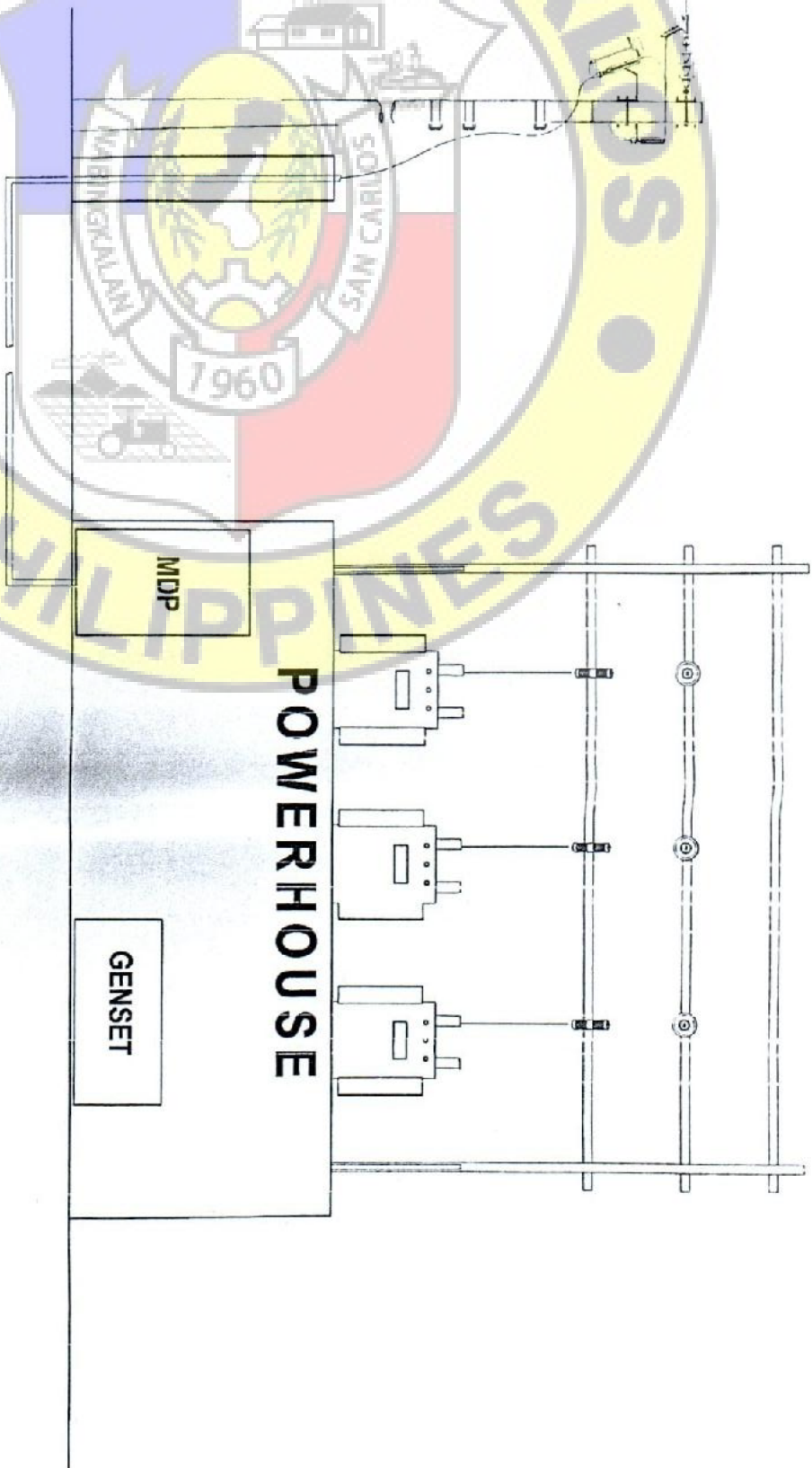
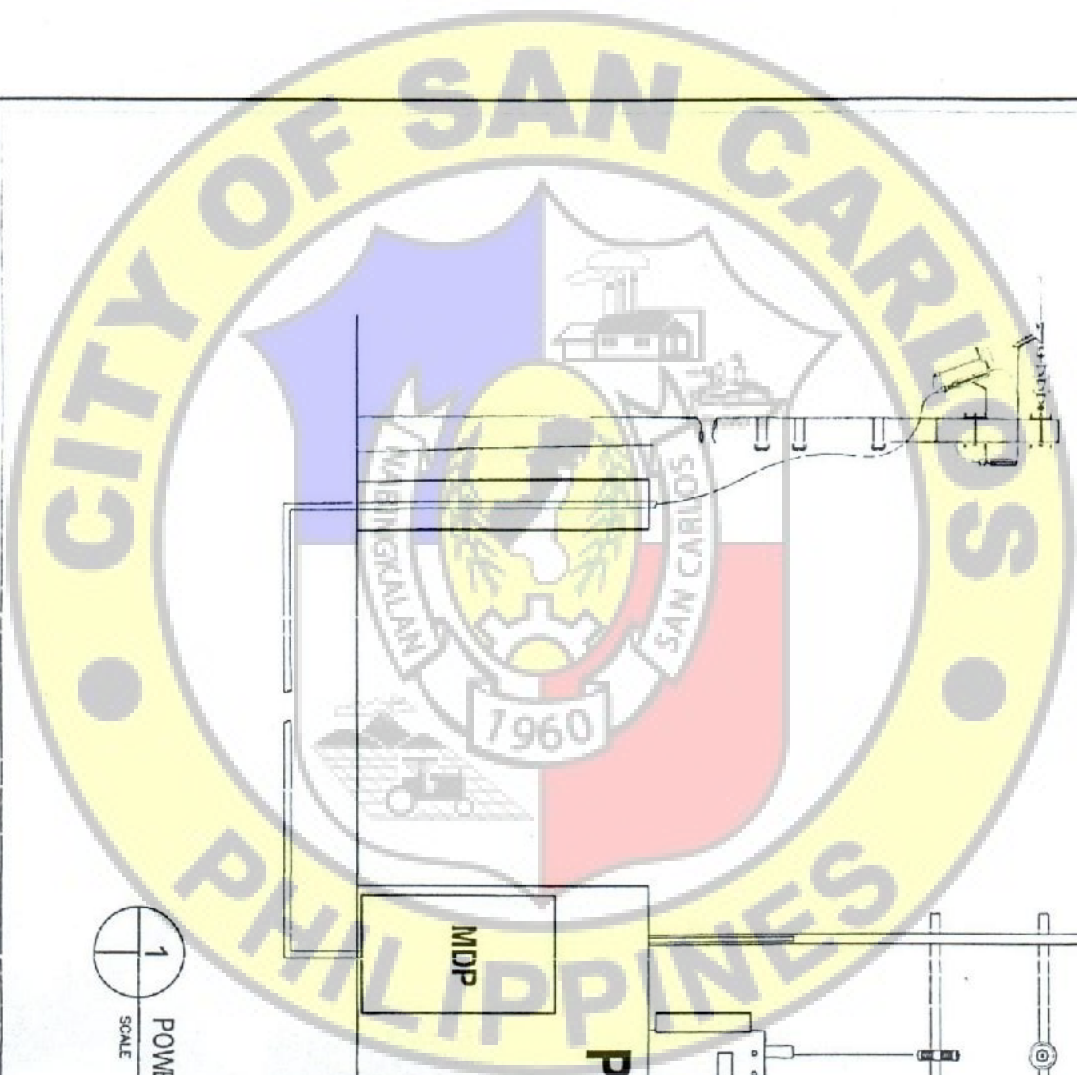


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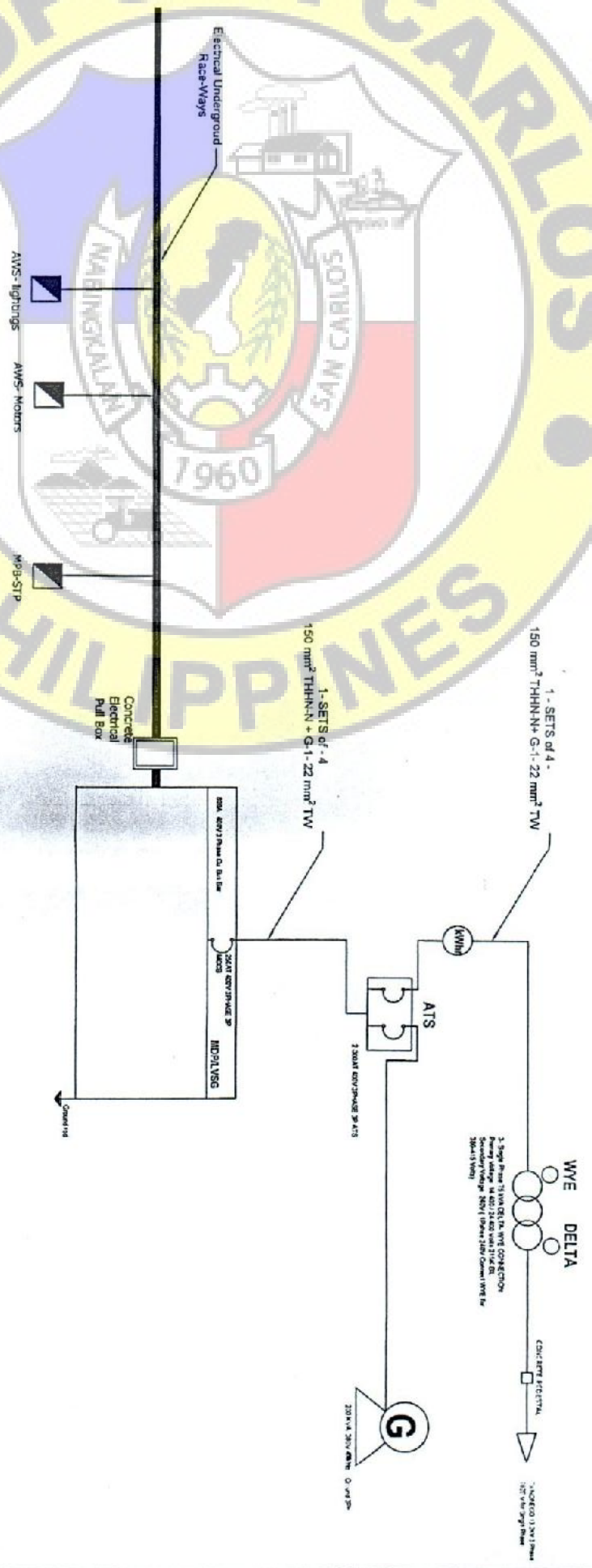
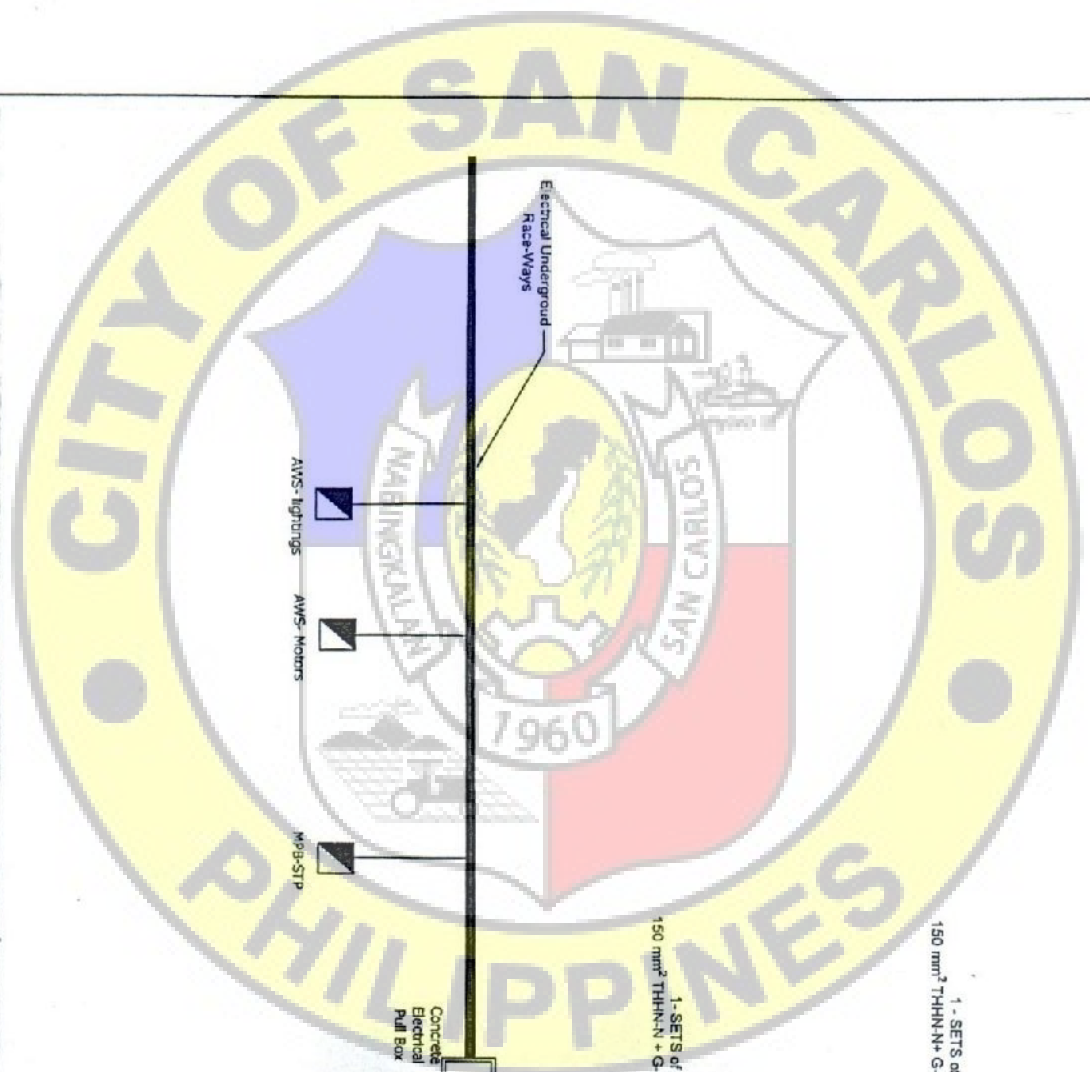
B1

PREPARED IN THE OFFICE OF THE C. E. D.	PROJECT TITLE SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	PREPARED BY ENGR. ANDREW S. SANTIAGO	CHECKED BY ENGR. JOSE MARIO A. MAMAC	RECORDING APPROVAL ENGR. BERTRE E. NIEMENZO	APPROVED BY HON. RENATO T. GUSTILO	DRAFTED BY CITY ENGINEER	SHEET NO. 2
ACQUISITION: SAN CARLOS CITY & TERMS & CONDITIONS	LOCATION: SAN CARLOS CITY	ENGR. J. P. LUNA VILLALBA	ENGINEER III	CITY ENGINEER	CITY ENGINEER		



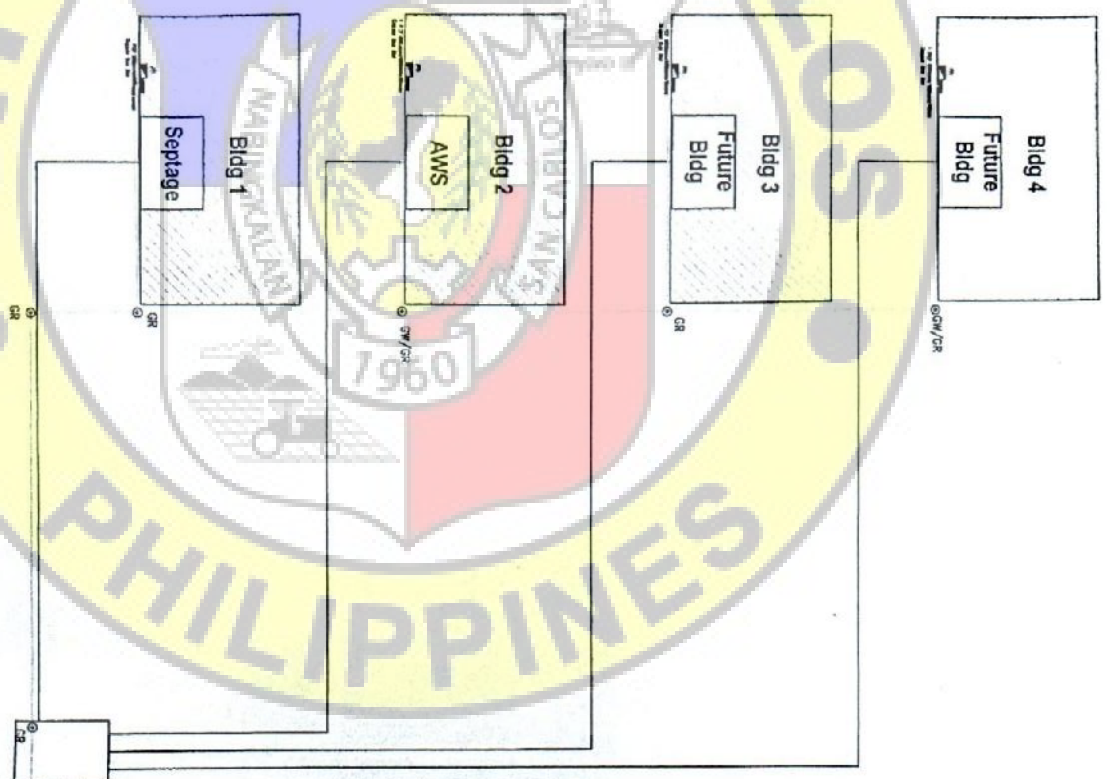
POWERHOUSE ELEVATION PLAN
SCALE 1:50

PREPARED IN THE OFFICE OF THE C. E. D.	PROJECT TITLE SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	PREPARED BY ENGR. JOSE MARIO A. MAMAC	CHECKED BY: ENGR. JOSE MARIO A. MAMAC	REVIEWING OFFICIAL ENR. REXTER E. NEMENZO	APPROVED BY MR. REXTER E. NEMENZO	DRAFTED BY	SHEET NO. 3
CITY ENGINEERING DEPARTMENT	LOCATION: SAN CARLOS CITY	ENGINEER ENGR. JOSE MARIO A. MAMAC	ENGINEER III	CODING / CITY ENGINEER	CITY MANOR		
ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL							

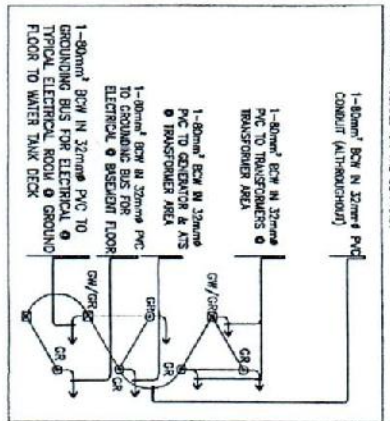
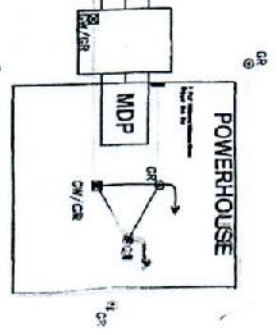


PREPARED IN THE OFFICE OF THE:	PROJECT TITLE:	PREPARED BY:	CHECKED BY:	RECOMMENDING APPROVAL:	APPROVED BY:	DRAFTED BY:	SHEET NO.
C. E. D	SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	ENGR. RALPH S. BERNARDO	ENGR. JOSE MARIO A. MAMAC	ENGR. NEMENZO E. NEMENZO	JOHN. RICHARD Y. GUSTILLO		4
CITY ENGINEERING DEPARTMENT	LOCATION: SAN CARLOS CITY	ENGR. JOHN EDWIN VIBRANCIO	ENGINEER III	CEDR. K. CITY ENGINEER	CITY ENGINEER		
ADDRESS: SAN CARLOS CITY, MARCOS OCCIDENTAL							

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SCALE
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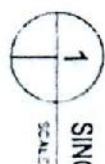
MANHOLE SEE
DETAIL



NOTE:
1. CONTRACTOR TO CONDUCT GROUNDING
RESISTANCE TEST AND SUBMIT TEST
RESULT.
2. PROVIDE APPROVAL GROUND ROD IF
25 OHMS CODE REQUIREMENT IS NOT
ACHIEVED.

APPROVED IN THE OFFICE OF THE:	PROJECT TITLE	PREPARED BY:	CHECKED BY:	RECOMMENDED APPROVAL:	APPROVED BY:	DRAWN BY:	SHEET NO.
C. E. D	SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	ENGR. BARTOLOME C. ALBERTILANO PROJECT MANAGER	ENGR. JOSE MARIO A. MAMAC ENGINEER III	ENGR. BENITO E. NEMENZO CDDM / CITY ENGINEER	BOH. RENATO V. OSTIJO CITY MAYOR		5
WORKS SAN CARLOS CITY, ALIENAS DE ORIENTAL	LOCATION SAN CARLOS CITY						





SCALE

 CamScanner

PROJECT: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT

PANEL INFORMATION PLAN
JANUARY 2024
FEBRUARY 2024

PANEL LOAD SCHEDULE AND VOLTAGE DROP CALCULATION

MAINTENANCE: JUAN CARLOS
REVISION: 1.0

PREPARED BY: ENGR. JOSE MARIO A. MAMAC

CHECKED BY: ENGR. JOSE MARIO A. MAMAC

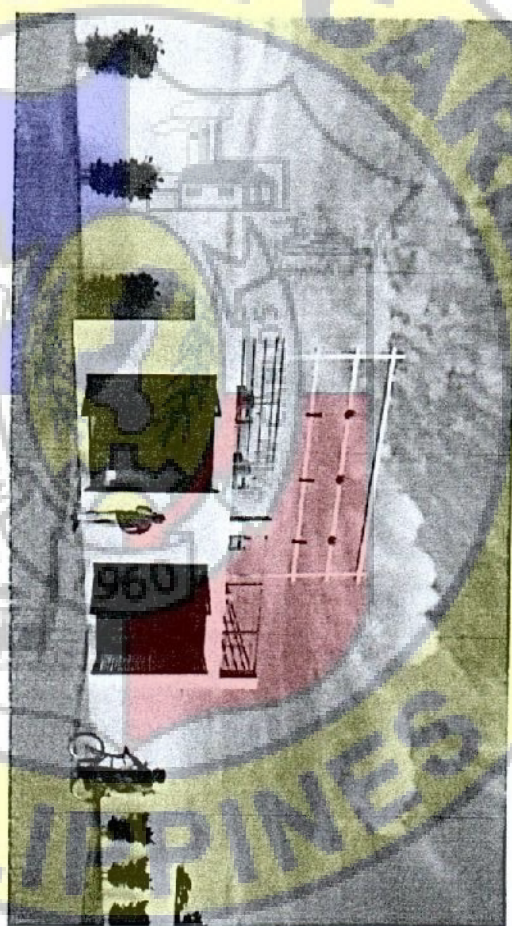
RECORDS: ENGR. REYER E. NUNEZ

APPROVED BY: HON. REYER E. NUNEZ

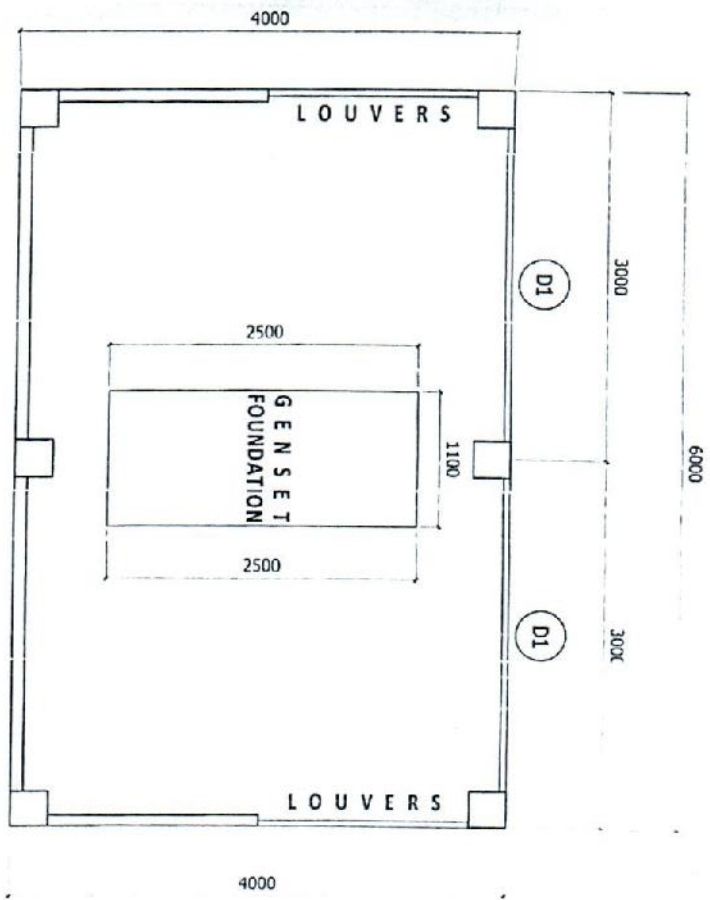
DATE: 11/11/2024

SHEET NO.: 11

PANEL LOAD SCHEDULE AND VOLTAGE DROP CALCULATION									
PANEL INFORMATION									
PANEL NO. 1									
PANEL LOCATION: SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT									
PANEL TYPE: 120V/240V									
LOAD SCHEDULE									
NO.	LOAD DESCRIPTION	SYSTEM VOLTAGE	RAIT NO.	LOAD DISTRIBUTION	DETAILED SIZE	CABLE DETAIL			
						CONDUIT			
						VOLTAGE DROP CALCULATION			
TOTAL						TOTAL			
TOTAL PANEL LOAD = 120 VOLT						TOTAL PANEL LOAD = 120 VOLT			
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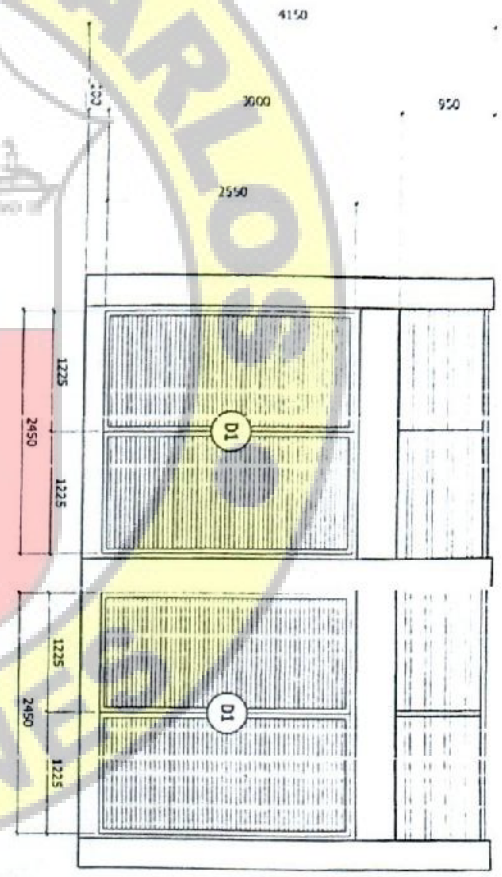
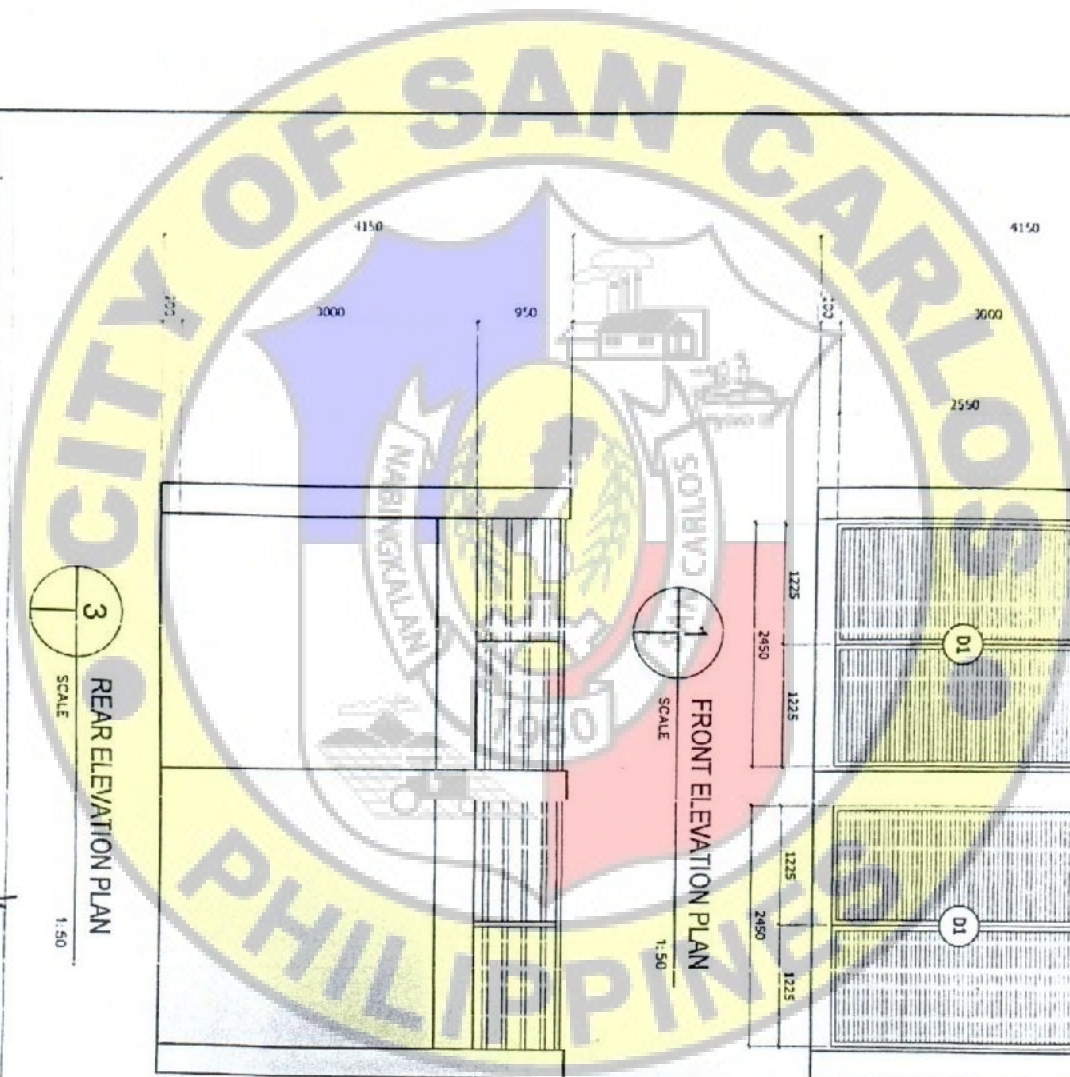


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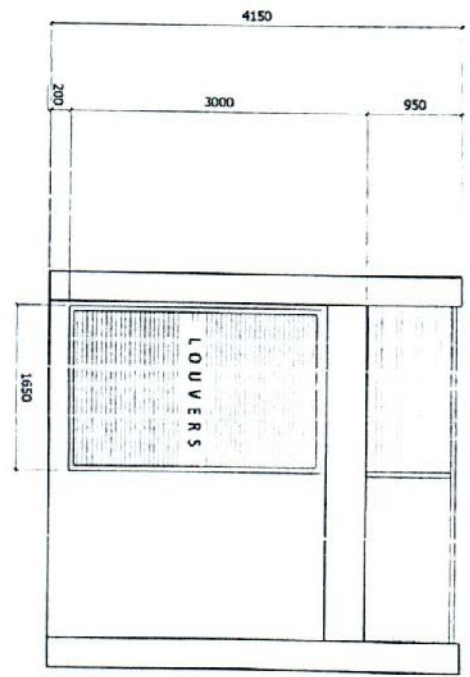


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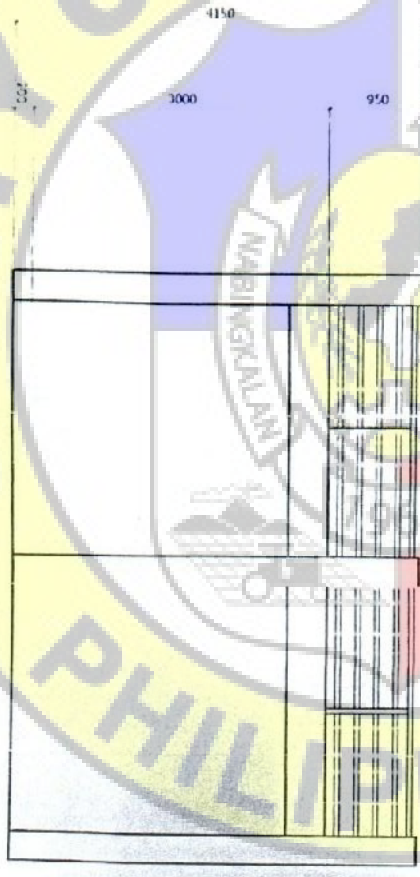
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C. E. D.		SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 35KV POWERLINE INSTALLATION		ENGR. PAUL S. SANCHEZ, PH.D.		ENGR. JOSE MARIO A. MAMAC		ENGR. RENTER E. MENDOZA		DON. RENATO T. GUSTINO				13	
ADDRESS: SAN CARLOS CITY, NEGROS OCCIDENTAL		LOCATION: SAN CARLOS CITY		ENGINEER: ALFONSO MARTINO		ENGINEER III		CONSULTANT: M. RIVERA		CITY: MARIKINA					



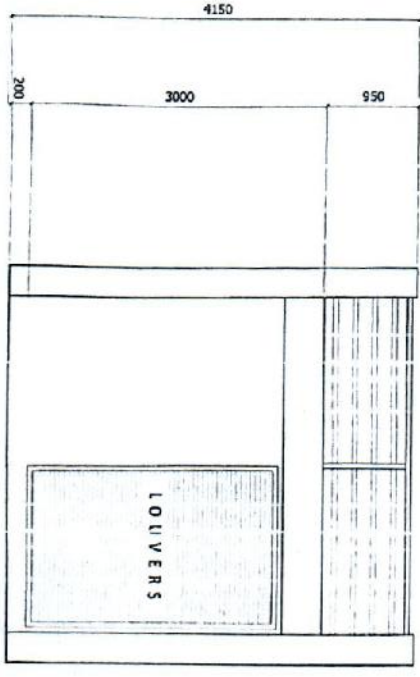
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FRONT ELEVATION PLAN
SCALE 1:50



2
RIGHT ELEVATION PLAN
SCALE 1:50

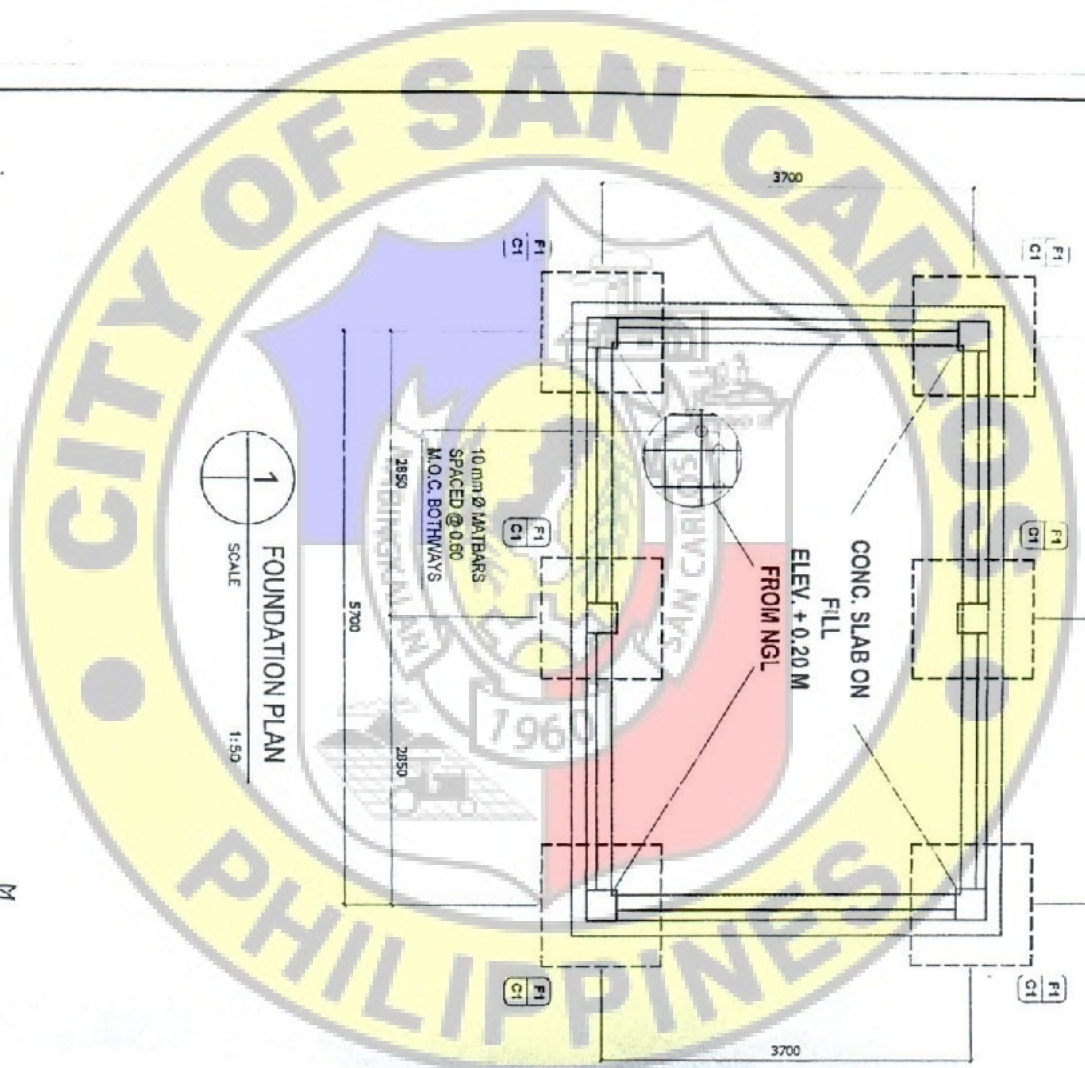


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SCALE 1:50

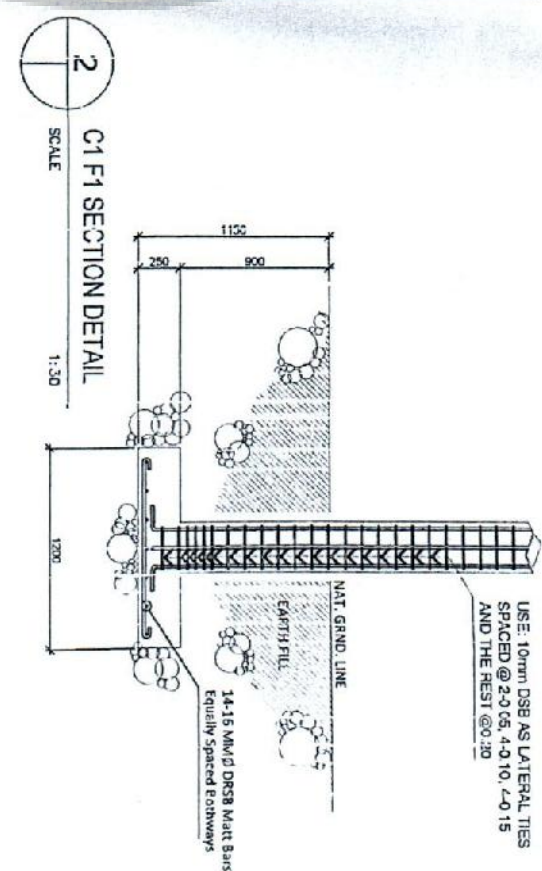


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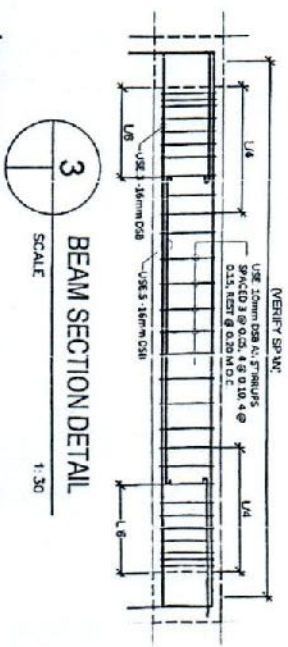
PREPARED IN THE OFFICE OF THE		PROJECT TITLE		PREPARED BY		CHECKED BY:		FIELD OFFICE APPROVAL		APPROVED BY		DATED BY		SHEET NO.	
C. E. D.		SAN CARLOS ECO-CENTER IMPROVEMENT PROJECT 33KV POWERLINE INSTALLATION		ENGR. JOSE MARIO A. MAMAC		ENGR. JOSE MARIO A. MAMAC		ENGR. RENATO Y. GUSTILLO		ENGR. RENATO Y. GUSTILLO		ENGR. RENATO Y. GUSTILLO		14	
ALDRIS SAN CARLOS CITY & REGION 6 ELECTRICAL		LOCATION: SAN CARLOS CITY		ENGR. JOSE MARIO A. MAMAC		ENGINEER III		ENGR. RENATO Y. GUSTILLO		ENGR. RENATO Y. GUSTILLO		ENGR. RENATO Y. GUSTILLO			



1
SCALE 1:50
FOUNDATION PLAN



2
SCALE 1:30
C1 F1 SECTION DETAIL



3
SCALE 1:30
BEAM SECTION DETAIL

PREPARED BY: C. E. D.	PROJECT TITLE: SAN CARLOS ECC-CENTER IMPROVEMENT PROJECT 15KV POWERLINE INSTALLATION	PREPARED BY: ENGR. JOSE MARIO A. MAMAC	CHECKED BY: ENGR. JOSE MARIO A. MAMAC	DESIGNED BY: ENGR. JOSE MARIO A. MAMAC	APPROVED BY: ENGR. JOSE MARIO A. MAMAC	DRAWN BY: ENGR. JOSE MARIO A. MAMAC	SHEET NO.: 15
CITY ENGINEER'S OFFICE	LOCATION: SAN CARLOS CITY	ENGINEER III	ENGINEER III	CITY ENGINEER	CITY ENGINEER	CITY ENGINEER	
ADDRESS: SAN CARLOS CITY, P.O. BOX 1000, SAN CARLOS CITY							