



ILOILO I ELECTRIC COOPERATIVE INC.
(I L E C O I)
BRGY. NAMOCON, TIGBAUAN
ILOILO

INVITATION TO BID NO. 2025-010

“PURCHASE OF ELECTRICAL MATERIALS FOR MAINTENANCE AND CONSTRUCTION”

1. Iloilo I Electric Cooperative Inc. (ILECO I) through its Bids and Awards Committee (BAC), invites interested bidders to participate in the **Public Bidding** of the Project, **“Purchase of Electrical Materials for Maintenance and Construction”** in accordance with the Republic Act (RA) 10531 and RA 9184 and its Revised Implementing Rules and Regulations. The ILECO I, through the FY 2025 General Fund intends to apply the sum of **Eighteen Million Two Hundred Thirty-One Thousand Seven Hundred Forty Pesos (Php18,231,740.00)** being the Approved Budget for the Contract (ABC) to payments under the contract for the Project. The period for the performance of the obligations under the Contract shall not go beyond the validity of the corresponding appropriations for the Project.

LOT NO.	BRIEF DESCRIPTION	APPROVED BUDGET FOR THE CONTRACT (ABC) INCLUSIVE OF VAT	NON-REFUNDABLE FEE FOR BID DOCUMENTS	DELIVERY SCHEDULE/ COMPLETION SCHEDULE	SOURCE OF FUND
1	Electrical Hardwares and Materials	Php18,231,740.00	Php25,000.00	- First Delivery of at least 25% of each item within 30 calendar days from Notice to Proceed. - Second Delivery of another 25% of each item within 45 calendar days from NTP. - Full Delivery within 60 calendar days from receipt of NTP.	General Fund

2. The ILECO I BAC shall conduct the meeting for Pre-bid and opening of the documents and bid offer at the given address and schedule below **Face-to-Face only**. Authorized attendees, including representatives of bidders, must be physically present at the ILECO I Employees' Hall, Brgy. Namocon Tigbauan Iloilo.

AVAILABILITY OF BIDDING DOCUMENTS	PRE-BID CONFERENCE	SUBMISSION OF BID/BID OPENING
July 17, 2025 to August 4, 2025 from Monday to Friday only from 8:00 A.M. to 5:00 P.M	July 24, 2025 at 10:00 A.M. (Thursday)	August 5, 2025 at at 2:30 P.M. (Tuesday)

3. The Prebid-Conference is on **July 24, 2025, 10:00 AM** at the ILECO I Employees' Hall, ILECO I Main Office, Brgy. Namocon Tigbauan Iloilo, which shall be open to prospective bidders.
4. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **2:30 PM of August 5, 2025. Late Bids shall not be accepted.**
5. Prospect Bidders are required to attend the Pre-bid Conference.
6. All Bids must be accompanied by a Bid Security in any acceptable forms and in the amount stated in the Bidding Documents. The Submission and Opening of Bids will be on **August 5, 2025 (Tuesday), 2:30 PM at ILECO I Employees' Hall, ILECO I Main Office, Brgy. Namocon Tigbauan Iloilo**. Bids shall contain the Eligibility and Technical Documents, as well as the Financial Documents prescribed in the Bidding Documents which will be opened in the presence of the bidder's representatives.

Unsealed or unmarked bid envelopes shall also be rejected. In addition, **bid offers received in excess of the ABC shall likewise be automatically rejected.**

7. Representatives from each bidder/company must submit their **Notarized Letter of Authorization (LOA)** during the Pre-bid conference and on Opening of Bids. Failure to comply the above-mentioned will automatically mean disqualification. Only those who have paid the Non-refundable fee in the amount specified above shall be allowed to participate in the discussion during the Prebid Conference and have their bid offers opened.

Notarized LOA must be separated from the Sealed Bid, and to present upon attendance during the bid opening.

8. Bidding will be conducted through open competitive bidding procedures using a non-discretionary “pass/fail” criterion.
9. **The Bidder must have an experience of having Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.**
10. Suppliers/Contractors who intend to participate shall be immediately **disqualified under the following cases:** (a) suppliers/contractors whose contracts were previously **terminated** by ILECO I due to its failure to comply with its contractual obligation; (b) suppliers / contractors with (b.1) **ongoing or** (b.2) **un-finish projects or with at least** (b.3) **10% negative slippage** with ILECO I; (c) suppliers/contractors with pending case filed with ILECO I and (d) contractors/suppliers which was previously **blacklisted** either by ILECO I or any government agencies, should be automatically disqualified from participating in any competitive public bidding to be or presently being undertaken by ILECO I.
11. The ILECO I reserve the right to reject any and all bids, declare a failure of bidding, or not award the contract as indicated in the National Electrification Administration (NEA) Revised Procurement Guidelines and Simplified Bidding Procedures for Electric Cooperatives IRR-RA 10531 (2017) and in the Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.

The results of the bidding shall be submitted to the ILECO I Head of Procuring Entity (HoPE) for final decision and awarding of BIDS. The decision of the HoPE shall be deemed final and executory.

12. Interested bidders may obtain further information from the ILECO I BAC Secretariat through the contact details given below.

For further information, please refer to:

*ILECO I BAC Secretariat
Iloilo I Electric Cooperative, Inc. (ILECO-I) Namocon,
Tigbauan, Iloilo
Email Add: bac@ileco1.org
Mobile No.: 0945-713-1250
ILECO-I Website: ileco1.com*

P. Star – July 17, 2025

(sgd)
ENGR. GC JUNE N. GARANCHON, PEE
BAC Chairperson

TECHNICAL SPECIFICATIONS

MACHINE BOLT

1/2" x 6"
1/2" x 10"
1/2" x 12"
5/8" x 8"
5/8" x 10"
5/8" x 12"
5/8" x 14"
5/8" x 16"

ANSI/ASTM Specification

[1] ANSI C135.1-1979: American National Standard for Galvanized Steel Bolts and Nuts for Overhead Line Construction.

[2] ANSI/ASTMA153-82: Standard Specification for Zinc Coating on Iron and Steel Hardware

[3] ANSI B18.2.2-1981: Square and Hex Bolts and Screws Including a Square Head Bolts, Hex Cap Screws, and Lag Screws.

[4] ANSI B18.2.2-1972: Square and Hex Nuts.

[5] ANSI B1. 1-1982: Unified Inch Screw Threads (UN and UNR Form)

[6] NEA Tech. Standard 186: Standard for Coarse Screw Threads.

[7] NEA Tech. Standard 113: Standard for Square Steel Nuts.

OVAL-EYE BOLT

5/8" x 10"
5/8" x 12"
5/8" x 14"
5/8" x 18"

ANSI/ASMT Specification

[1] ANSI C135.4-1979: American National Standard for Galvanized Ferrous Eye-Bolts and Nuts for Overhead Line Construction.

[2] ANSI/ASTMA153-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron or Steel Hardware.

[3] ANSI B18.2.2-1972: Square and Hex Nuts.

[4] ANSI C135.1-1979: American National Standard for Galvanized Steel Bolts and Nuts for Overhead Line Construction.

[5] ANSI B1. 1-1982: Unified Inch Screw Threads (UN and UNR Thread Form).

[6] NEA Standard 186: Standard for Coarse Screw Threads.

SINGLE A UPSET BOLTS & DOUBLE UPSET

ANSI/ASTM Specification

[1] ANSI C 135.31-1980: American National Standard for Galvanized Ferrous Single and Double Upset Spool Insulator Bolts for Overhead Line Construction.

[2] NEMA PH31-1977: NEMA Standard for Galvanized Ferrous Single and Double Upset Spool Insulator Bolts.

[3] ANSI/ASTM A153-82:

[4] ANSI B18.2.2-1972: Square and Hex Nuts.

[5] ANSI C135.1-1979: American National Standard for Steel Bolts and Nuts for Overhead Line Construction.

[6] NEMA Pub. No. PH10-1977: NEMA Standards for Galvanized Ferrous Washers

[7] NEA specification 116: NEA spec. for Square Locknuts.

[8] ANSI B1. 1-1982: Unified Inch Screw Threads (UN and UNR Thread Form)

[9] NEA specification 186: Spec. for Coarse Screw Threads.

DOUBLE-ARMING BOLTS

ANSI/ASTM Specification

1. ANSI C135.1-1979: American National Standard for Galvanized Steel Bolts and Nuts for Overhead Line Construction.

2. ANSI/ASTM A153-80: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

3. ANSI B18.2.2-1972: Square and Hex Nuts.

4. ANSIB1.1-1982: Unified Inch Screw Threads (UN and UNR Thread Form).

5. NEA Technical Standard 186: Standard for Coarse Screw Threads.

Bolt stainless 3/16" x 1-1/4", w/ NUT & WASHER

Materials: Stainless steel

CONNECTOR COMPRESSION

YHD 400, YHO 200, YHO 150, AND YPC 28AU

1. NEMA Pub. No. CC-3: EI-NEMA Standards for connectors for use between aluminum or aluminum-copper overhead conductors.

WEDGE CONECTOR #1/0, #2/0, AND #4/0

- 1.C-Body and Wedge
- 2.Corrosion Resistance:
- 3.Conductor Compatibility (AAC, AAAC, ACSR, ACAR, AW, ACSR/AW, and ACSS)

CONNECTOR STIRRUP

Hot Stick Eyes	Yes
Material	Aluminum Alloy
Material - Bail	Copper
Material - Body	Aluminum
Material - Eye stem	Stainless Steel
Material - Keeper	Aluminum Alloy
Material - Spring (on Eye stem)	Stainless Steel
Material - Stirrup	Copper
Material - Washer	Stainless Steel
Type	Stirrups

SUSPENSION INSULATOR

Type:	Clevis Suspension
Class:	52-1
ANSI Specification:	C29.2-1983

PERFORMANCE REQUIREMENTS:

Insulators shall meet the following minimum performance ratings:

A. Suspension Insulators (ANSI C29.2-1983.rm.)

I. Electrical:

a. Low-frequency dry flashover (Kv)	60
b. Low-frequency wet flashover (Kv)	30
c. Critical impulse flashover, positive (Kv)	100
d. Critical impulse flashover, negative (Kv)	100
e. Low-frequency puncture (Kv)	80

2. Radio-influence voltages (RIV):

a. Low-frequency test voltage (rms-ground) Kv	7.5
b. Maximum RIV @ 1.0 Mhz micro-volts	50

3. Mechanical:

a. Combined mechanical and electrical strength (lbs)	1000
b. Mechanical impact Strength (inch-lbs)	45
c. Tension proof (lb)	5000

d. Time load (lb)

6000

4. Dimensions:

a. Leakage distance (inches)

7

PIN INSULATOR 56-1

ANSI Class: 56-1

Neck Type: J

Strength: 2,500 lb

Pinhole Diameter: 1.375 in

Conductor Radius: 0.75 in

Flashover Voltage: 95 kV (dry), 60 kV (wet)

Dimensions: Height 7.5 in x Diameter 5.75 in

SPOOL INSULATORS

Type	Spool
Class	53-1; 53-2
Specification	C29.3-1986

PERFORMANCE REQUIREMENTS:

Insulators shall meet the following minimum performance ratings:

1. Electrical:

- a. Low frequency dry flashover (Kv)
- b. Low frequency wet flashover (Kv)
 - 1. Vertical
 - 2. Horizontal

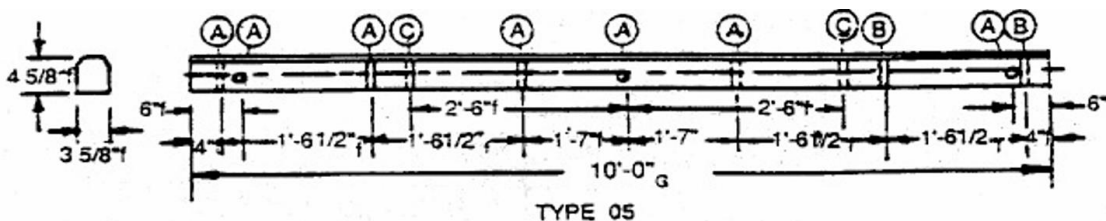
ANSI Class	
53-1	53-2
20	25
8	12
8	12
10	15

2. Mechanical:

a. Transverse Strength (lbs)	200	300
	0	0

Rectangular Steel Crossarm 10 FT

Hot dip Galvanized



CONVERSION FACTORS

To convert from	to	multiply by
ft	mm	304.8
inch	mm	25.4

CROSSARM DRILLING GUIDE		

BRACE CROSSARM STEEL DIAGONAL
BRACE CROSSARM STEEL GALV 60" SPAN
BRACE, CROSSARM STEEL 28"
BRACE SIDE ARM STEEL
VERTICAL

ANSI/ASTM Specification

1. ASTM A570-79: Standard Specification for Hot-Rolled Carbon Steel Sheet and Strip, Structural Quality.
2. NEMA Pub. No. .PH6-1970: EEI-NEMA Standards for Metal Crossarms Braces.
3. ANSI/ASTM A153.82: Standard Specifications for Zinc Coating (Hot Dip) on Iron and Steel Hardware.

BRACKET, FOR FUSE CUT-OUT

ANSI/ASTM Specification

1. ASTM A570-79: Standard Specification for Hot-Rolled Carbon Steel Sheet and Strip, Structural Quality.
2. NEMA Pub. No. .PH6-1970: EEI-NEMA Standards for Metal Crossarms Braces.
3. ANSI/ASTM A153.82: Standard Specifications for Zinc Coating (Hot Dip) on Iron and Steel Hardware.

TRANSFORMER BRACKET

The universal pole band bracket, to be used when hanging transformers on non-wood poles, that do not have bolt holes in the desired places, shall have three component parts namely: a transformer mounting bracket, cluster mount segment and a vertical adapter plate, and the necessary bolts.

To be shaped for hanging one, two, or three transformers one pole with 6 1/2 to 11-inch diameter. To have adequate strength for safely hanging up to three 167 kVA transformers on a top and bottom band.

Each transformer mounting bracket and each vertical adapter plate to be complete with two 5/8 x 1 3/4"-inch machine bolts for attaching the transformers to the plate and the plate to the bracket.

A 5/8"x 6" machine bolt shall also be provided for each transformer mounting bracket and each cluster mount segment.

Expanding Anchors

These are heavy-duty anchors used in utility and construction applications:

1. Hot-dip galvanized for corrosion resistance
2. Expandable blades for strong soil engagement
3. Immediate load-bearing after installation
4. Suitable for various soil types

ATTACHMENT GUYSTRAP TYPE

ANSI/ASTM Specification

1. ANSI/ASTM A153-82: Standard Specification Zinc Coating (hot-dip) on Iron and Steel Hardware.

SECONDARY CLEVIS

Swinging	:	Hot-Dip Galvanized
Bracket clevis, dead-end	:	Hot-Dip Galvanized

DEADEND STRAIN CLAMP #2-4/0

ANSI/ASTM Specification

1. ASTM B686-85: Standard Specification for Aluminum Alloy Castings, High Strength.
2. ASTM A663-85: Standard Specification for Steel Bars, Carbon, Merchant Quality, Mechanical Properties.
3. ASTM A675-85: Standard Specification for Steel Bars, Carbon, Hot Wrought, Special Quality, Mechanical Properties.

4. ANSI B1.1-1982: Unified Inch Screw Threads (UN and UNR Thread Form)

5. NEA SPECIFICATION 186: Standard for Coarse Screw Threads

OVAL-EYE NUTS GALV., 5/8 CONVENTIONAL

ANSI/ASTM Specification

- [1] ASTM A663-82: Standard Specification for Steel Bars, Carbons, Merchant Quality, Mechanical Properties.
- [2] ANSIC135.5-1979: American National Standard for Galvanized Ferrous Eye Nuts and Eyelets for Overhead Line Construction.
- [3] ANSIIASTM AI53-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- [4] ANSI B1. I-1982: Unified Inch Screw Threads (UN and UNR, Thread Form).
- [5] NEA Standard 186: Standard for coarse screw threads.

STEEL PINS 1 3/8 x 14 & 5/8 x 10 3/4

ANSI/ASTM Specification

- (1) ASTM A575-81: Standard Specification for Steel Bars, Carbon, Merchant Quality, M-Grade.
- (2) ASTM A576-81: Standard Specification for Steel Bars, Carbon, Hot Wrought, Special Quality.
- (3) ANSI C135.1-1979: American National Standard for Galvanized Steel Bolts and Nuts for Overhead Line Construction.
- (4) NEMA PHIQ-1977: NEMA Standard for Galvanized Ferrous Washers.
- (5) NEA Technical Standard 116: Standard for Locknuts.
- (6) ANSI/ASTM AI53-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- (7) ANSI C135.17-1979: American National Standard for Galvanized Ferrous Bolt-Type Insulator Pins with Lead Threads for Overhead Line Construction.
- (8) ANSI BI8.2.2-1972: Square and Hex Nuts
- (9) ANSI B1.1-1982: Unified Inch Screw Threads (UN and UNR Thread Form).
- (10) ANSI BI8.21.1-1983: American National Standard for Lock Nuts

STEEL PINS (Clamp Type)

ANSI/ASTM Specification

- [1] ASTM A575-81: Standard Specification for Steel Bars, Carbon, Merchant Quality, M-Grade.
- [2] ASTM A576-81: Standard Specification for Steel Bars, Carbon, Hot Wrought, Special Quality.
- [3] ANSI C135.1-1979: American National Standard for Galvanized Steel Bolts and Nuts for Overhead Line Construction.
- [4] NEMA PHIQ-1977: NEMA Standard for Galvanized Ferrous Washers.
- [5] NEA Technical Standard 116: Standard for Locknuts.
- [6] ANSI/ASTM AI53-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- [7] 2-carriage bolt
- [8] clamp pin can encircle the cross arm

POLE TOP PINS 1 3/8 x 25"

[1] ANSI C135.22-1979: American National Standard for Galvanized Ferrous Pole-Top Insulator Pins with Lead Threads for Over headline Construction.

[2] ANSI/ASTMAI53-82: Standard specification for zinc coating (hot-dip) on iron and steel hardware.

ANCHOR ROD 5/8 X 7'

ANSI/ASTM Specification

- [1] ASTM A663-82: Standard Specification for Steel Bars, Carbon, Merchant Quality, Mechanical Properties.
- [2] ASTM A675-82: Standard Specification for Steel Bars, Carbon Hot Wrought, Special Quality, Mechanical Properties.
- [3] ANSI C135.2-1979: American National Standard for Threaded Galvanized Ferrous Strand-Eye Anchor Rods and Nuts for Overhead Line Construction.
- [4] ANSI/ASTM AI53-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.
- [5] ANSI B1. I-1982: Unified Inch Screw Threads (UN and UNR Thread Form).
- [6] NEA STANDARD 186: Standard for Coarse Screw Threads.

ANCHOR SHACKLE

ANSI/ASTM Specification

[1] ASTM A668-83: Standard Specification for Steel forging, Carbon and Alloy, for General Industrial Use.

[2] ANSI C135.1-1979: American National Standard for Galvanized Steel Bolts for Overhead Line Construction.

[3] ANSIIASTMA153-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware.

WASHER 2X2

ANSI/ASTM Specification

1. ASTM A569-72 (R-1979): Standard Specification for Steel, Carbon (0.15 Maximum, Percent), Hot-Rolled Sheet and Strip, Commercial Quality.

2. ASTM A570-79: Standard Specification for Hot-Rolled Carbon Steel Sheet and Strip, Structural Quality.

3. ASTM A575-81: Standard Specification for Steel Bars, Carbon, Merchant Quality, M-Grade.

4. ASTM A635-81: Standard Specification for Hot-Rolled Carbon Steel Sheet and Strip, Commercial Quality, Heavy Thickness Coils (Formerly Plate).

5. ASTM A197-79: Standard Specification for Cupola Malleable Iron.

6. ASTM A536-80: Standard Specification for Ductile Iron Castings.

7. NEMA Pub. No. PH10-1971: NEMA Standards for Galvanized Ferrous Washers.

8. ANSIIASTMA153-82: Standard Specification for Zinc Coating (Hot-Dip) on Iron or Steel Hardware.

ELECTRICAL TAPE

Polyvinyl chloride (PVC)

Color: Black