



ILOILO I ELECTRIC COOPERATIVE INC.

(I L E C O - I)

BRGY. NAMOCON, TIGBAUAN

ILOILO

INVITATION TO BID NO. 2024-009

“PURCHASE OF CONDUCTORS FOR MAINTENANCE AND CONSTRUCTION OF LINES”

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 Conductors for Maintenance and Construction of Lines”** in accordance with the Republic Act (RA) 10531 and Republic Act (RA) 9184 and its Revised Implementing Rules and Regulations. The ILECO I, through the FY 2024 General Fund intends to apply the sum of **TEN MILLION FIFTEEN THOUSAND FOUR HUNDRED PESOS (PHP10,015,400.00)** 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.	UNIT	ITEM DESCRIPTION	QUANTITY	APPROVED BUDGET FOR THE CONTRACT (ABC) INCLUSIVE OF VAT	NON-REFUNDABLE FEE FOR BID DOCUMENTS	COMPLETION SCHEDULE	SOURCE OF FUND
1	m	Conductor, Bare, # 1/0 AWG ACSR	8,900	10, 015,400.00	P25,000.00	<ul style="list-style-type: none"> •First delivery of at least 50% of all items within 30 calendar days from receipt of NTP •Full Delivery within 45 calendar days from receipt of Notice to Proceed. 	General Fund
	m	Conductor, Bare, # 4/0 AWG ACSR	15,000				
	m	Conductor, Duplex # 6, ACSR	80,000				
	m	Conductor, Insulated, # 2/0, AWG ACSR	9,000				
	m	Conductor, Insulated, 50 mm ² , Copper	700				
	m	Conductor, Insulated, 60 mm ² , Copper	2,500				
	m	Conductor, Insulated # 6 AWG Poly AAC	31,000				
	m	Conductor, Insulated # 6, AWG Poly ACSR	50,000				
	m	Conductor, Insulated, # 1/0 AWG ACSR	2,600				

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**. 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
August 27, 2024 to September 17, 2024 from Monday to Friday only from 8:00 A.M. to 5:00 P.M	September 3, 2024 at 1:30 P.M. (Tuesday)	September 17, 2024 at 1:30 P.M. (Tuesday)

3. The Pre-bid-Conference is on **September 3, 2024 (Tuesday), 1:30 PM** at the ILECO-1 Main Office, Employees’ Hall, 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 **1:30 PM of September 17, 2024. Late Bids shall not be accepted.**
5. 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 **September 17, 2024 (Tuesday), 1:30 PM at ILECO-1 Main Office, Employees' Hall, 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.

6. Representatives from each bidder/company must submit their **notarized letter of Authorization (LOA)** during the Pre-bid conference and 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.
7. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" Criterion.
8. 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.
9. Suppliers/Contractors who intend to participate shall be immediately **disqualified under the following cases:** (a) suppliers/contractors whose contracts were previously **terminated** by ILECO 1 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) **at least 10% negative slippage** with ILECO I; (c) suppliers/contractors with pending case filed with ILECO 1 and (d) contractors/suppliers which was previously **blacklisted** either by ILECO 1 or any government agencies, should be automatically disqualified from participating in any competitive public bidding to be or presently being undertaken by ILECO I.
10. Interested bidders may obtain further information from the ILECO-1-BAC Secretariat through the contact details given below.
11. The ILECO-I reserves 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. For further information, please refer to:
ILECO-I BAC Secretariat
Iloilo I Electric Cooperative, Inc. (ILECO-I)
Namocon, Tigbauan, Iloilo
Email Add: bac.ileco1@gmail.com
Mobile No.: 0945-713-1250


ENGR. EDWIN C. FIGUEROA, PEE
BAC Chairperson

Technical Specifications

SPECIFICATION					
CONDUCTOR, BARE, ACSR					
Size AWG or MCM	Strands		Overall Diameter (inches)	DC Resistance Ohms/mile @25°C	Ultimate Strength Pounds
	No. & Size - Inches				
	Aluminum	Steel			
1/0	6 x 0.1327	1 x 0.1327	0.398	0.885	4280
4/0	6 x 0.1878	1 x 0.1878	0.563	0.441	8420
ANSI/ASTM/IEC Specification					
[1] ASTM B232: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR).					
[2] ASTM B498: Standard Specification for Zinc Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR).					
[3] ASTM B230: Standard Specification for Aluminum 1350-H19 Wire for Electrical Purposes.					
[4] ASTM B233: Standard Specification for Aluminum 1350 Redraw Rod for Electrical Purposes.					
[5] IEC 888: Zinc-coated steel wires for stranded conductor.					
CONDUCTOR, DUPLEX					
Aluminum Phase Messenger (ACSR) Conductor					
Size AWG	Stranding	AWG Al/Steel	Stranding Shipping Length (feet) of Assembly	Nominal Thickness (mils)	Insulation
6	7	6	6/1	2800	45
2	7	2	6/1	2200	45
ANSI/ASTM/IEC Specification					
[1] ASTM B231: Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductor.					
[2] ASTM B609: Standard Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes.					
[3] ASTM B230: Standard Specification for Aluminum 1350-H-19 Wire for Electrical Purposes.					
[4] ICEA Standards Publication No. S-66-524 (Second Edition): NEMA Standards Publication No. WC7 Cross-Linked-Thermosetting Polyethylene Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy.					
[5] ASTM B232: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel-Reinforced (ACSR).					
[6] Publication 225: Standard for Bare ACSR Conductors (Class A).					
[7] ASTM B498: Standard Specification for Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforce (ACSR).					
[8] IEC 889: Hard-drawn Aluminum Wire for Overhead Line Conductor.					
CONDUCTOR, INSULATED, POLY AAC					
Size AWG	Strands no.	Insulation Thickness (mils)			
6	7	45			
4	7	45			
2	7	45			

ANSI/ASTM/AWPA Specification

- [1] ASTM B231: Standard Specification for Concentric-Lay-Stranded Aluminum 1350 Conductor.
- [2] ASTM B609: Standard Specification for Aluminum 1350 Round Wire, Annealed and Intermediate Tempers, for Electrical Purposes
- [3] ASTM B230: Standard Specification for Aluminum 1350-H-19 Wire for Electrical Purposes.
- [4] ICEA Standards Publication No. S-66-524 (Second Edition): NEMA Standards Publication No. WC7 Cross-Linked-Thermosetting Polyethylene Insulated Wire and Cable for the Transmission and Distribution of Electrical Energy.
- [5] ASTM B232: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated Steel-Reinforced (ACSR).
- [6] Publication 225: Standard for Bare ACSR Conductors (Class A).
- [7] ASTM B498: Standard Specification for Zinc-Coated (Galvanized) Steel Core Wire for Aluminum Conductors, Steel Reinforce (ACSR).

CONDUCTOR, INSULATED, POLY ACSR

Size AWG	Strands no. & Size (inches)		Before Insulation Overall Diameter (inches)	DC Resistance Ohms/mile @ 25 C	Ultimate Strength (lbs)	Insulation Thickness (mils)
	Aluminum	Steel				
6	6 X 0.0661	1 X 0.0661	0.020	3.56	1,170	45
4	6 X 0.0834	1 X 0.0834	0.25	2.24	1,830	45
2	6 X 0.1092	1 X 0.1092	0.316	1.41	2,790	45
1/0	6 X 0.1327	1 X 0.1327	0.398	0.885	4,280	60
2/0	6 X 0.1490	1 X 0.1490	0.447	0.702	5,345	60
3/0	6 X 0.1672	1 X 0.1672	0.502	0.556	6,675	60
4/0	6 X 0.1878	1 X 0.1878	0.563	0.441	8,420	60

ANSI/ASTM/AWPA Specification

- [1] ASTM B232: Standard Specification for Concentric-Lay-Stranded Aluminum Conductors, Coated-Steel Reinforced (ACSR).
- [2] ASTM B498: Standard Specification for Zinc Coated (Galvanized) Steel Core Wire for Aluminum Conductors, A27 Steel Reinforced (ACSR).
- [3] ASTM B230: Standard Specification for Aluminum 1350-H19 Wire for Electrical Purpose.
- [4] ASTM B233: Standard Specification for Aluminum 1350 Redraw Rod for Electrical Purpose
- [5] AWPA C 1: Standards for Preservatives Treatment by Pressure Process - All Timber Products.
- [6] AWPA P5: Standards for Water-Borne Preservatives.
- [7] AWPA A2: Standard Methods for Analysis of Water-Borne Preservatives and Fire Retardant Formulations.
- [8] AWPA A7: Wet Ashing Procedures for Preparing Wood for Chemical Analysis.
- [9] AWPA A9: Standard Method for Analysis of Treated Wood And Treating solutions by X-Ray Emission Spectroscopy.
- [10] AWPA All: Analysis of Treated Wood and Treating solutions by Atomic Absorption Spectroscopy.

CONDUCTOR, INSULATED, COPPER

Size of Conductor	No. & Nominal Dia.	Wall Thickne	Appro x.	Min. Insulation	*Ampacit y
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		of Wire	ss	Overall Dia.	Resistanc e	
mm ²	Approx . AWG	mm	mm	mm	M-ohm-km	
50	1/0-19	19 x 1.80 mm	2.0	13.00	40	180
60	2/0-19	19 x 2.00 mm	2.0	14.00	30	205
80	3/0-19	19 x 2.30 mm	2.0	15.50	30	250
*Reference Standard: PEC, NEC (Based on Ambient Temperature of 30°C)						

[1] ASTM B3: Standard Specification for Soft or Annealed Copper Wire.

➤ **NOTE: Items should be placed inside the wire fence during delivery.**