



# NEECO II - AREA 1

## NUEVA ECIIJA II ELECTRIC COOPERATIVE, INC. - AREA 1

Calipahan, Talavera, Nueva Ecija  
neeco2\_areal@yahoo.com.ph  
(044) 411-1007 loc. 117

### NEECO II-AREA 1's Invitation for Bid No. NE-II-A1-2024-S2

Reference with Board Resolution No. 11-02-23, Series of 2023, the Nueva Ecija II Electric Cooperative- Area 1 (NEECO II-Area 1) invites sealed Bids from eligible Suppliers for:

Item No.	Description	Quantity
1	10MVA POWER TRANSFORMER AND PROTECTION/SWITCHGEAR OF QUEZON SUBSTATION	1 unit

Interested bidders must be previously accredited and/or for those interested bidders who may want to participate can be accredited upon completion of Accreditation requirements and full payment of non-refundable accreditation fee of Php5,000.00 which is valid for one (1) year. Accreditation requirements can be requested to this email: bac\_neeco2area1@yahoo.com.ph

Accredited Bidders must use the attached form in a separate sheet of paper with company header and signature of authorized representative and submit/email it to the Bids and Awards Committee on or before January 12, 2024 5:00pm. Bids shall be addressed to the BAC Chairman:

Mr. Lorenzo Valino Jr.  
BAC Chairman  
Nueva Ecija II Electric Cooperative, Inc.-Area 1  
Calipahan, Talavera, Nueva Ecija

For further inquiries, please contact Ms. Mary Fei W. Arquero at (044) 411-1007 local 110 or email at bac\_neeco2area1@yahoo.com.ph

NEECO II-AREA1 hereby reserves the right to reject any or all bids, to waive any formality or technicality defects therein, and accept the bid that is most advantageous to the NEECO II AREA-1, and to annul the bidding process and not award the contract at any time prior to contract award without incurring any liability to any bidder or party.

Finally, NEECO II -AREA 1 assumes no obligation to compensate any bidder or any party for any loss or expense incurred in the preparation of the bid or participation in the bidding process.

  
Mr. Lorenzo Valino Jr.  
BAC Chairman

  
Engr. Nelson Dela Cruz  
General Manager

BUSINESS: \_\_\_\_\_  
 NAME: \_\_\_\_\_  
 ADDRESS: \_\_\_\_\_  
 CONTACT NO.: \_\_\_\_\_  
 PROPRIETOR/: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 TIN# NON-VAT: \_\_\_\_\_  
 TIN # VAT REGISTERED: \_\_\_\_\_

PAYEE OR COMPANY NAME (for check preparation)

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SCOPE OF WORK:	QTY.	COST
<b>I. 10MVA Power Transformer:</b>	1 Unit	
1. Mobilization/Demobilization		
2. Meeting/Coordination with end user		
3. Conduct Initial testing and inspection		
a. Transformer Turn Ratio (TTR) test		
b. Winding Resistance test		
c. Polarization Index (PI) test		
d. Insulation Resistance test		
e. Oil Dielectric Breakdown test		
f. Bushing Capacitance test (C1, C2)		
g. Bushing Hot Collar test		
h. Excitation Current test		
i. Overall Insulation Power Factor test		
j. Dissolve Gas Analysis (DGA) / Oil Quality test		
5. Core and Coil assembly		
a. Drain Insulating Oil into clean container/skid tank.		
b. Dismantle HV/LV Bushing.		
c. Dismantle top cover, HV/LV Bushing & accessories.		
d. Un-tanking of coil/core assembly.		
e. Dismantle top core yoke assembly and top cover.		
f. Dismantle damaged winding/coil from core legs and gather data.		
g. Reinsulate that wire using retaping machine.		
h. Rewinding of coil using gather winding data.		
i. Re-install coil into core yoke and install top core assembly.		
j. Connect tapping leads and terminal cables.		
k. Conduct pre-testing prior for baking.		
l. Oven baking of winding/coil using Strip Heater and Infra red.		
m. Monitoring of insulation resistance test (MEGGER) every Four (4) hours interval until it reach the required insulation and winding resistance test.		
6. Cleaning of transformer tank and all the accessories and fabricate new amorin cork gasket.		
7. Pre-heat the HV/LV bushing		
8. Prepare for tanking of coil/core assembly.		
9. Tanking Procedure:		
a. Re-tank coil/core assembly.		

b. Install HV/LV Bushing.		
c. Re-fill transformer oil for hot oil flushing of coil/core assembly.		
d. Seal main tank after hot oil flushing and start vacuuming until it reach 1 TORR		
e. Final re-filling of new insulation oil (5-drums) using high vacuum purifying machine.		
10. Cool down oil temperature and conduct final testing and inspection as follows:		
10.1. Transformer Turn Ratio (TTR) test		
10.2. Winding Resistance test		
10.3. Polarization Index (PI) test		
10.4. Insulation Resistance test		
10.5. Oil Dielectric Breakdown test		
10.6. Bushing Capacitance test (C1, C2)		
10.7. Bushing Hot Collar test		
10.8. Excitation Current test		
10.9. Overall Insulation Power Factor test		
10.10. Dissolve Gas Analysis (DGA) / Oil Quality test		
11. Submit test result		
12. Turn over the unit to the Client		
13. Demobilization		

Note: Bidders may attach samples.

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NAME AND SIGNATURE OF  
PROPRIETOR/AUTHORIZED REPRESENTATIVE