



PANGASINAN I ELECTRIC COOPERATIVE (PANELCO I)

San Jose, Bani, Pangasinan

CWDO No. 63928-502-7969 Telefax No. 6375-551-5564

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ITB Ref No. 2021-022

BIDS AND AWARDS COMMITTEE INVITATION TO BID

The Pangasinan I Electric Cooperative (PANELCO I) thru its constituted Bids and Awards Committee invites interested dealers, contractors and suppliers to participate in the bidding for the following:

Lot No.	Particulars	Source of Funding	Price of Bid Documents	Project Start and Installation/Delivery Period
1	Supply and installation of Distribution Transformer Check meters	RFSC	0	The winning bidder shall start the Project within seven (7) days upon receipt of Notice to Proceed and must accomplished within 30 Days upon receipt of the NTP/P.O
3	Supply and Delivery of Information System and Related Equipment	RFSC	0	The winning bidder shall start the Project within seven (7) days upon receipt of Notice to Proceed and must delivered within 30 Days upon receipt of the NTP/P.O
4	Supply and Delivery of Electrical Tools, Safety Gadget and Measuring Equipment/Instruments	RFSC	0	

1. The schedule of bidding activities is as follows:

Activities	Schedule
Posting of invitation to Bid	October 14, 2021
Deadline of Submission of Bids	October 21, 2021 12:00NN
Opening of Bids	October 21, 2021 1:00PM

2. ELIGIBILITY REQUIREMENTS (For non-accredited suppliers only)

- a. DTI business name registration or SEC Registration Certificate;
- b. Valid and current Mayor's permit/Municipal License;
- c. Tax Payer's Identification Number;
- d. BIR Value Added Tax Registration;
- e. Certification that the supplier/contractor is not black listed or banned from bidding by the government or any of its agencies and other private corporations or electric cooperative;
- f. PCAB License
- g. Compliance with Executive Order (EO) #398
 - ✓ Proof of Vat Payments for the past six months
 - ✓ Tax Clearance from the BIR
 - ✓ On-going, completed or awarded contract not yet stated within the relevant period specifying the following:
 - Name of Contract
 - Date of Contract
 - Amount of Contract and Value of Outstanding Contracts
 - Date of Delivery and
 - End-user's acceptance if completed

3. Instructions

- a) Bids must be duly received by the BAC Secretariat through email PDF Format/manual/courier submission at the office address indicated below on or before **October 21, 2021 12:00NN**
- b) Format of Bid Proposal is given (see attached form 8 and form 9)
- c) Read carefully the content of this invitation
- d) Late bids shall not be accepted.
- e) For further information, refer to;
Bids and Awards Committee
Bac Secretariat
+639561755001/ +639171442164 from 8:00AM to 5:00PM, Weekdays
Email: bac.panelcoi@gmail.com

4. Terms of Payment

a. he Cooperative payments to Contractor shall be as follows for Lot 1:

- a.1. Down payment of Fifteen percent (15%) for mobilization
- a.2. Balance shall be payable through progress billing as follows
 - **Forty percent (45%)** progress for 1st payment
 - **Sixty percent (70%)** progress for 2nd payment
 - **Ninety percent (90%)** progress for the 3rd payment
 - **Ten Percent (10%)** retention fee to be released after workmanship/warranty lapse

b. The Cooperative payments to Contractor shall be as follows for Lot 3 and 4:

- b.1. Payment of ninety percent (90%) of the contract price thirty (30) days after the delivery of the tools, materials, equipment and supplies;
- b.2. Ten percent (10%) retention to be releases upon issuance of Certificate of Acceptance

5. Warranty

a) Warranty for Lot 1 should be **three (3) years for back-up battery** and **five (5) years for kilowatt-hour meter** after the materials or any portion thereof as the case maybe, have been installed or commissioned.

b) Not less than one (1) year for lot 3 and 4

6. Award Criteria

PANELCO I will award the contract to the successful bidder whose bid has been determined as the lowest complying bid, provided further that the bidder is determined to be qualified to perform the Contract satisfactorily

7. Technical Specifications

(See attached for details)

(SGD) NORGEL O. CALIXTRO
BAC Chairperson

**Pangasinan I Electric Cooperative
PANELCO I
San Jose, Bani, Pangasinan**

Form # 8: Bill of Materials

Date: _____

The Chairperson
Bids and Awards Committee (BAC)
Pangasinan I Electric Cooperative
San Jose, Bani, Pangasinan

Subject : Bill of Materials

Sir:

Please be informed of the technical specifications of the following materials for the (Project title):

Materials Description	Brand Name/Manufacturer	Project Requirements	Unit Cost	Amount

Very truly yours,

Proprietor/Manager

Pangasinan I Electric Cooperative (PANELCO I)
San Jose, Bani, Pangasinan

Form #9: Bid

Date : _____

To : Bids and Awards Committee
Pangasinan I Electric Cooperative
San Jose, Bani, Pangasinan

Gentlemen:

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to undertake the (name of project) _____ in conformity with the said Bid Documents for the amount as follows:

PhP (amount in Nos.) (amount in words)

We undertake, if our bid is accepted, to commence within _____ days to be calculated from receipt of your Notification to Proceed.

We agree to abide by these bids for a period of _____ days from date fixed for submission of bid and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of awards shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest bid or any bid you may receive.

Dated this ___th day of ____, 2021

(Signature)

(In capacity of)

Duly authorized to sign for bid and on behalf of _____ (Name of Company)

LOT 1 Technical Specifications

Particulars	No Of. Units	
Adapter Pvc, 1 1/2", Straight W/ Locknut	370	Pcs
Meter Box	185	Pcs
Entrance Cap 1 1/2"	185	Pcs
Pvc Pipe, 1 1/2" X 10'	185	Pcs
Yho 150	555	Pcs
Dead-End Loop Clamp #4 To 2/0	185	Pcs
Pole Clamp, Double Support, Big	285	Pcs
Metal Screw 5/8 X 1	705	Pcs
#4 Thhn Copper Wire Insulated	2220	Pcs
Sealant	185	Pcs
Meter Box	100	Pcs
Adapter Pvc, 1", Straight W/ Locknut	100	Pcs
Pvc Pipe, 1" X 10'	50	Pcs
Dead-End Loop Clamp #2 To 2/0	50	Pcs
Stainless Bolt, Nut & Washer, 5/16x1"	200	Pcs
#12 Thhn Insulated Copper Wire	800	Pcs
#4 Thhn Copper Wire Insulated	500	Pcs
Sealant	50	Pcs
Bolt & Nut 3/8" X 1"	120	Pcs
Ct/Pt Hanger Single Phase	15	Set
Clamp, Pole Mounting (10-11), Type Ca (Double Support)	60	Pcs
Conductor, Insulated, Copper #2/7	90	Pcs
Conductor, Insulated, Copper #8/7	90	Pcs
Hdpe, 1"	150	Pcs
Hdpe Adaptor Fittings, 1"	45	Pcs
Terminal Lugs, 2 Hole #2 Acsr	60	Pcs
Terminal Lugs, 3.5mm2	60	Pcs
Clamp, Loop Dead-End, #6 To #2/0 Acsr	30	Pcs
Rubber Tape	15	Pcs
Thhn #12	450	Pcs
Rubber Tape	15	Pcs

Sealant (Pouch)	15	Pcs
Current Transformer, 200:5	50	Set
Current Transformer, 15kv, 20/15/10:5	15	Set
Potential Transformer 15kv, 70:1	15	Set
Kilowatt-Hour Meter, Ct Rated, 1ph, 3 Wire Ami Ready	65	Set
Kilowatt-Hour Meter, 1phase 2wire Fm1s, Ami Ready	185	Set
Software And Communication		Set
Sub Total		
Labor Cost		
Total		

KWH-METER SPECS CT RATED	65 PCS METERS
Connection Type	Transformer Operated
Accuracy	class 0.2 or better
display	large lcd display
Construction	with integrated interface
OPERATING VOLTAGE	120-240 V
FREQUENCY	60HZ
Tarrification	Energy and demand rates,
Tariff Functions	Average Demand
	Time of Use (TOU) tables
Measured Quantities	Power Factor
	kw, kva, kvar
	kwh
	current and voltage per phase
	for phase angle
	DEMAND, KW
optional	harmonics
	demand distortion
Recording	LOAD PROFILING
register	32 energy register
	Stored values register

Special Functions	Monitors for demand (current & p.f.)
temp.	85 degrees celcius
backup battery warranty	3 years
kwh meter warranty	5 years
comms	ami ready
	DOWNLOADBLE DATA
	inter operable
	dlms compliant
	software equiped

KWH-METER SPECS	185 PCS METERS
Connection Type	fm1s
Accuracy	class 1 or better
meter class	IEC / ANSI CL200
OPERATING VOLTAGE	120-240 V
FREQUENCY	60HZ
display	large lcd display
Construction	with integrated interface
Tarrification	Energy and demand rates,
Tariff Functions	Average Demand
	Time of Use (TOU) tables
Measured Quantities	Power Factor
	kw, kva, kvar
	kwh
	current and voltage per phase
	for phase angle
Special Functions	Monitors for demand (current & p.f.)
OPERATING temp.	85 degrees celcius
	3 years

backup battery	
kwh meter warranty	5 years
comms	ami ready
	DOWNLOADBLE DATA
	inter operable
	dlms compliant
	SOFTWARE EQUIPED

CURRENT TRANSFORMER (LV)

CURRENT RATIO	200:5
VOLTAGE RATED	600 VOLTS
ACCURACY CLASS	0.15
FREQ.	60 HZ

CURRENT TRANSFORMER (MV)

CURRENT RATIO	30:5
VOLTAGE RATED	15KV
ACCURACY CLASS	0.15
RATING FACTOR	1.5
FREQ.	60 HZ

POTENTIAL TRANSFORMER (MV)

PRIMARY	8400:120
VOLTAGE	15KV
ACCURACY CLASS	0.3
RATING FACTOR	1.5
FREQ.	60 HZ

LOT 3 Technical Specifications

A. QUANTITY

Information System & Related Equipment	Quantity	
Laptop(High)	4.00	
Laptop(Mid)	20.00	
Desktop(NUC) with Computer Monitor	12.00	
Laptop(Low)	13.00	
Flashdrive	12.00	
USB Keyboard, Mouse and mousepad	23.00	
Wireless Mouse	10.00	
Multi function printer	8.00	
Dot Matrix Printer	6.00	
Voice Recorder	1.00	

B. SPECIFICATIONS

Laptop

Laptop Specs (High)	Description
Processor	# of Cores8, # of Threads16, Max Turbo Frequency 4.70GHz, Cache 24 MB Intel® Smart Cache, Configurable TDP-up Frequency 2.60GHz, Configurable TDP-up 45W, Configurable TDP-down Frequency 2.10GHz, Configurable TDP-down 35W (Equivalent or Higher)
Operating System	Windows 10 Pro, 64-bit
Display	At least 14.0-inch FHD (1920 x 1080)
GPU	NVIDIA® GeForce® MX330 with 2GB GDDR5 graphics memory
Memory	16 GB, 2 x 8 GB, DDR4, 3200 MHz

Storage	1TB M.2 PCIe NVMe Solid State Drive
Camera	720p at 30 fps HD camera, dual-array microphones
Wireless	802.11ac 2x2 WiFi and Bluetooth, Intel® Wi-Fi 6 2x2 (Gig+) and Bluetooth 5.1
Primary Battery	4-Cell Battery, 53WHr (Integrated)

Laptop Specs (Mid)	Description
Processor:	# of Cores6, # of Threads12, Max Turbo Frequency4.50 GHz, Cache12 MB Intel® Smart Cache, Configurable TDP-up Frequency2.60 GHz, Configurable TDP-up45 W, Configurable TDP-down, Frequency2.10 GHz, Configurable TDP-down35 W (Equivalent or Higher)
Operating System:	Windows 10 Pro, 64-bit License
Display:	Atleast 14.0-inch FHD (1920 x 1080)
GPU:	NVIDIA® GeForce® MX330 with 2GB GDDR5 graphics memory
Memory:	8 GB, 1 x 8 GB, DDR4, 3200 MHz
Storage:	1TB M.2 PCIe NVMe Solid State Drive
Camera:	720p at 30 fps HD camera, dual-array microphones
Wireless:	802.11ac 2x2 WiFi and Bluetooth, Intel® Wi-Fi 6 2x2 (Gig+) and Bluetooth 5.1
Primary Battery:	4-Cell Battery, 53WHr (Integrated)

Laptop Specs (Low)	Description
Processor	# of Cores4, # of Threads8, Max Turbo Frequency3.70 GHz, Cache8 MB Intel® Smart Cache, Bus Speed4 GT/s, Configurable TDP-up, Frequency2.00 GHz, Configurable TDP-up28 W, Configurable TDP-down Frequency900 MHz, Configurable TDP-down12 W (Equivalent or Higher)
Memory	4GB, 2400MHz, DDR4
Operating System	Windows 10 Pro, 64bit
Hard Disk	512TB
Display	14.0-inch HD (1366 x 768)
ODD	Tray load DVD Drive (Reads and Writes to DVD/CD)
VRAM	AMD Radeon R5 M430 Graphics with 2GB DDR3
Network Interface	Dell Wireless 1810 Card (802.11AC Dual-Band Wi-Fi + Bluetooth)

Battery	65 Watt AC Adaptor, 40WHr, 4-Cell Battery
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NUC Desktop

Intel NUC kit	SPECIFICATION FOR NUC KIT		
Processor	CPU	Frequency	Max Turbo Frequency 3.70 GHz
		Cache	8M
		Cores	4
		Threads	8
	Memory Specs	RAM Compatibility	DDR4
	Graphics		Integrated Graphics HDMI, USB-C
	Others	Instruction Set	64bit
RAM			1x 8GB DDR4
Mother Board			Supported Mother Board for processor
Operating System		Supports Windows 10	Windows 10 Pro 64 Bit License
Mouse	USB Type		
Keyboard	USB Type		
Monitor	Display	24"	
Storage	SSD NVMe	500GB	
UPS	Output power capacity	600 Watts/ 1.0kVA	
	I/O Voltage	230V	
	UPS	650VA	

Computer Monitor for NUC KIT

Aspect Ratio	16:09
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Brightness	250cd/m2
Resolution	1920X1080
Input Display	HDMI/VGA
Power Supply	AC 100-240W
Dimension	24"

USB Flash drive

Capacity	32GB
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Wireless Mouse

Type	Wireless
Connection	2.4G Hz
Operating Range	10-15m
Ergonomic Design	Right-Handed Fit
Sensor	Optical
Resolution	1000/1600/2000 DPI
Report Rate	125Hz
Receiver	Nano USB Receiver
Weight	76 g (Batteries not included)
Battery	1AA Alkaline Battery
System Requirements	Windows XP / Vista / 7 / 8 / 8.1 / 10

USB Keyboard, Mouse and Mousepad

USB Keyboard, Mouse and Mousepad Bundle	
Type	USB Wired
System Requirements	Windows XP / Vista / 7 / 8 / 8.1 / 10

Multi-function Printer

Type	Continous Inkjet Printer
Function	Fax, Print, Scan, Copy
Paper Type	Plain, Inkjet, Glossy (Cast/Resin), Recycled
Paper Size	A3, A4, LGR, LTR, EXE, LGL, Folio, A5, A6, Photo(102x152mm/4x6"), Index card(127x203mm/5x8"), Photo-2L(127x178mm/5x7"), C5 Envelope, Com-10, DL Envelope, Monarch
Paper Capacity	Up to 350 sheets of 80 gsm plain paper
Print Resolution	Up to 1200 x4800 dpi
Borderless	Yes
Connectivity	USB, LAN, WIRELESS LAN
ADF (Automatic Document Feeder)	YES

Dot Matrix Printer

Type	DOT Matrix
Method	Impact Dot Matrix
Control Panel	4 switches and 5 LEDs
Print Direction	Bi-Direction with logic seeking
# of Pins	9 pins
Ribbon Cartridge	Fabric Ribbon Cartridge (Black)
Ribbon Life	Approx. 4.0 million characters (Draft 10 cpi, 14 dots/character)

LOT 4 Technical Specifications

TECHNICAL SPECIFICATION	
Materials Description	Quantity
Adjustable Wrench 12 inch. , Japan or US make	12 pc/s.
Adjustable Wrench 10 inch. Japan or US make	10 pc/s.
Allen Wrench, Hexagonal (set), Japan or US make	2 set/s.
Bolt Cutter, 600mm or 24inch	1 pc/s.
Body Belt w/ positioning strap	10 set/s.
Chain saw 16', Japan or US make	3 pc/s.
Chain saw blade	6 pc/s.
Digital Clamp Tester, AC current 400/1000A, 50/60 Hz, compliant with IEC61010 600V CATIII	2 pc/s.
Caution sign board	2 pc/s.
Crimping tool, Japan or US make	6 pc/s.
Digital High Voltage Meter, 50 kv, operating frequency 50-60 Hz Japan or US make	1 pc/s.
Digging spade, 10ft	7 pc/s.
Digging spoon, 10ft	7 pc/s.
Double block, hoist (with polyester rope), set	4 pc/s.
Drill Bit (for Metal)	1 pc/s.
Guy grip (acsr#2)/ Wire grip, #2 to #4/0	3 pc/s.
Grounding Cluster, 1phase	1 pc/s.
Ladder, fiber glass, 24 ft	6 pc/s.
Lineman canvass tapered wall (pouch) with swivel snap hook, size (12 inch. top diameter, 9 inch bottom diameter and 13 inch height, US or Japan make	4 pc/s.
Mini Screwdriver set, Japan or US make	1 pc/s.
External Hard Drive, 1 TB	3 pc/s.
Long Nose, Japan or US make	10 pc/s.
Handline ½	100 mtr/s.
Handgrip Megaphone, 50watts, pistol grip, rechargeable 5000-6000mah battery, optional 12V DC for car charger and recording function	1 pc/s.

Hot stick, 12ft	1 pc/s.
Hot stick, 18 ft	1 pc/s.
Hot stick telescopic, 35 ft	6 pc/s.
Hydraulic Jack	3 pc/s.
Post Holed Digger 7ft.	5 pc/s.
Plier 9" Klien	36 pc/s.
Rachet Wrench Combination, US or Japan make	2 pc/s.
Rachet 2 Tons	2 pc/s.
Rachet 1.5 Tons	2 pc/s.
Rechargeable Head lamp	8 pc/s.
Side Cutter, Japan or US make	10 pc/s.
Screw Driver, Flat ,Japan or US make	26 pc/s.
Screw Driver, Philip, Japan or US make	26 pc/s.
Socket wrench, set , Japan or US make	1 pc/s.
Tamping Bar 6ft	6 unit/s.
Test Light, pen type	14 pc/s.
Traffic Cone	18 pc/s.
Tree Wire Stripping tools, Japan or US make	4 pc/s.
Two way radio (3-5 km. communication range, 1500-1800mah battery)	2 set/s.
Wrench 22mm, Japan or US make	3 pc/s.
Wrench 19mm, Japan or US make	3 pc/s.
Wrench 17mm, Japan or US make	3 pc/s.
Wrench 14mm, Japan or US make	3 pc/s.
Crocodile Jack 10 tons	1 pc/s.
Computer Scanner (for Vehicle), Universal Onboard Diagnostics II	1 unit/s.
Hand Tools for Mechanic, (inclusion : Set 1/2" drive socket wrench 8mm-32mm, Set 1/2 " drive deep socket wrench 10mm-24mm, set combination wrench 6mm-32mm, , complete set philip and standard screw driver, Plier set, Circlip pliers (inner and outer), Adjustable wrench 10" or 12", Ball peen hammer 2.2 lbs Or 3 lbs , Japan or US make	3 set/s.