



**National Power Corporation**  
**REQUEST FOR QUOTATION**  
**(SMALL VALUE PROCUREMENT - 53.9)**

October 5, 2023

\_\_\_\_\_  
\_\_\_\_\_  
Sir/Madam:

Please provide us with your best quotation for the items as specified in the Terms of Reference (TOR) for PR No. HO-CEA23-007 Ref. No. SVP231012 - KB00324 and submit the same in a sealed envelope to be dropped in the designated drop box at the Bids and Contracts Services Division (BCSD), Ground Floor, Diliman, Quezon City on or before 9:30 AM of 12 October 2023.

The following documents must be submitted together with your quotation:

1. PhilGEPS Registration, whichever is applicable:

For Platinum Members:

2. Valid and Updated Certificate of PhilGEPS Registration (This should include the attached "Annex A"). In case the Mayor's Permit in the said Annex "A" is expired, a valid/updated Mayor's Permit must also be submitted.

For Red or Blue Members:

- a. Valid Mayor's Permit showing the expiry date
- b. PhilGEPS Registration Number ;

3. Other documents: : Please refer to the attached ADDITIONAL TOR

Additional Documentary Requirements, if applicable:

- Omnibus Sworn Statement (use attached Form) (For Total ABC of Above PhP 50,000);
- Latest Income Tax Return / Business Tax Return (For Total ABC of Above PhP 500,000);
- Professional License/Curriculum Vitae (for Consulting Services only);
- PCAB License (for INFRA Projects only);

The Warranty Period shall be: Please refer to the attached TOR

In case of a failed bidding, a re-bidding maybe conducted without prior notice to any previous bidder(s).

For further inquiries, please contact the BAC Secretariat, Mr. Keano Angelo D. Bernabe at telephone no/s. 8 - 921-3541 loc 5776 / with e-mail address at kadbernabe.npc@gmail.com or bcscd@napocor.gov.ph

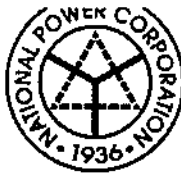
Very truly yours,

**ATTY. MELCHOR P. RIDULME**  
Chairman, Bids and Awards Committee



**NATIONAL POWER CORPORATION**  
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Quezon City 1100, Philippines  
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Website: [www.napocor.gov.ph](http://www.napocor.gov.ph)





Republic of the Philippines  
NATIONAL POWER CORPORATION

**TERMS OF REFERENCE  
ALTERNATIVE MODE OF PROCUREMENT  
(SMALL VALUE PROCUREMENT – 53.9)**

1. **Scope of Works:** PRNO.HO-CEA23-007/REF NO. SVP231012 - KB00324

**For the SUPPLY, DELIVERY AND INSTALLATION OF COMPUTER SOFTWARE LICENSE FOR PLS POLE**

Item No.	DESCRIPTION	QTY.	U/M	ABC (PhP)
1	COMPUTER SOFTWARE LICENSE AND DENR PERMITS/CLEARANCE, 1 PLS POLE AND TOWER	1	LOT	300,000.00
TOTAL AMOUNT				300,000.00

**Notes:**

- **Please see attached ANNEX "A" End User's Term of Reference and Technical Specification.**
- **Mode of Award: Lot Award.**
- **Bidders are required and reminded to strictly state/include in their own Bid Proposal the requirements in the Terms and Conditions stated under the NPC Terms of Reference (TOR) to wit:**
  - Payment Terms
  - Delivery Period
  - Price Validity
  - Delivery Point
  - Warranty

**APPROVED BUDGET FOR THE CONTRACT: PHP 300,000.00**

**2. Delivery Period**

Delivery Period shall not be later than **Thirty (30) Calendar Days** upon receipt of the Notice to Proceed.

**3. Delivery Point**

Items shall be delivered at **NPC-HEAD OFFICE, DILIMAN, QUEZON CITY**

**4. Bid Submission**

The Bidder shall submit their bids through their authorized representative or in the manner of submission as prescribed in the RFQ.

**5. Late Bids**

Any Bid submitted after the deadline for submission and receipt of Bids shall not be accepted by NPC.

## SECTION VI – TECHNICAL SPECIFICATIONS

### PART I – TECHNICAL SPECIFICATIONS

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## SECTION VI – TECHNICAL SPECIFICATIONS

### PART I – TECHNICAL SPECIFICATIONS

#### TS-1.0 GENERAL

This specification covers the features and technical requirements for the Supply, Delivery and Installation of PLS Pole Software for Civil Engineering and Architectural Division (CEAD).

The supplied software shall be new and unused. It shall be suitable for the intended purpose and shall comply with all applicable regulations, quality, and dimension standards.

The Supplier shall accept full responsibility for his work including documentation, preparation for shipment, inspection, warranty provisions and compliance with the applicable codes and standards and the requirements of this Specification.

#### TS-2.0 SCOPE OF WORKS

The scope of work shall cover the following:

- a. Supply, Delivery and Installation of PLS Pole Software;
- b. Training of the procuring entity's personnel for the operation of the software shall be included;
- c. Additional components not specified herein but are necessary for the complete and reliable operation of the software shall be provided by the supplier.

#### TS-3.0 DELIVERY PERIOD AND LOCATION

The delivery period shall be **THIRTY (30) CALENDAR DAYS** reckoned from receipt of Notice to Proceed.

The software to be supplied shall be delivered to the NPC Head Office, Diliman, Quezon City.

The Supplier shall be responsible for visiting the site and take particular reference to its accessibility, means of communication and transportation, and all other factors that could hamper the smooth execution of the contract.

Any and/or all expenses arising through the lack of knowledge or understanding regarding the existing conditions of the site shall be the responsibility of the Supplier and no additional payment thereof shall be made by NPC.

#### TS-4.0 CODES AND STANDARDS

All materials to be used in the work shall be new, of high quality, free from all defects and of proven acceptability for the purpose intended. Unless otherwise

specified, materials shall conform to the latest applicable standard issued by the following authorities:

- |   |      |
|---|------|
| 1. American Society for Testing and Materials     | ASTM |
| 2. American Welding Society                       | AWS  |
| 3. American Zinc Institute                        | AZI  |
| 4. American Society of Civil Engineers            | ASCE |
| 5. International Organization for Standardization | ISO  |

These codes and standards set forth the minimum requirements which may be exceeded by the Supplier, if, in the Supplier's judgment and with NPC's acceptance, superior or more economical designs or materials are available for successful and continuous operation of the Supplier's software as required by this specification.

The software shall be in accordance with, but not limited to, the latest issues of the Applicable Codes and Standards, including all addenda, in effect at time of purchase order unless otherwise stated in this specification.

#### **TS-5.0 WORKMANSHIP**

Workmanship shall be of first class quality and in accordance with the best modern engineering practice for installation of the software. All works shall be done by personnel skilled in the related professions and trades. All parts shall be properly configured for the proper operation of the software. made accurately to standard gauges so as to facilitate replacement and repairs.

#### **TS-6.0 TECHNICAL REQUIREMENTS**

The PLS POLE software shall have but not limited to the following provisions and features:

- a. Concrete Poles
- b. Steel Poles
- c. Wood Poles
- d. Laminated Wood Poles
- e. Fiber Reinforced Poles
- f. Modular latticed masts
- g. Davit Arms
- h. Cross Arms
- i. Guys
- j. Cables
- k. Braces
- l. Equipment (user defines items like ladders, transformers...)
- m. Insulators (Clamp, Strain, Post, Suspension, 2 Parts)

#### **TS-7.0 TRAINING OF NPC PERSONNEL**

As required in the Technical Data Sheet, the supplier shall provide local training course for the conduct of system simulation studies using the offered system software/tools to NPC personnel.

The training shall gear NPC personnel to acquire knowledge and skills to perform simulation studies to off-grid areas using the offered software tools.

The cost of performing the training course shall be included in the contract price.

#### **TS-8.0 DRAWINGS AND DOCUMENTS TO BE SUBMITTED**

- a. To be submitted before or upon delivery:
- a.1 Certificate of Exclusive Distributorship from the Manufacturer (shall be current and valid).
  - a.1 Letter of Confirmation from the Manufacturer that a local agent or representative is available to provide "After Sales Service" to the supplied software during and after the warranty period. Name, address and contact number shall be provided;
  - a.1 "Certificate of Origin" from the Manufacturer;
  - a.2 "Warranty Certificate" for one (1) year against factory defects/workmanship;
  - a.3 User Manual in Three (3) copies; and
  - a.4 Brochure, Catalogue & Technical Specification;

*Note: All documents in Clause TS-8.0 shall be submitted to the Manager of CEAD for evaluation and/or approval prior to issuance of acceptance certificate.*

#### **TS-9.0 GUARANTEE**

The Supplier shall guarantee the replacement of the supplied materials at his own expense against defect in design, workmanship and materials for a period of one (1) year after acceptance by NPC.

The Supplier shall submit a Warranty Certificate effective from the date of acceptance by NPC.

After the lapse of the warranty period, provided that there are no defects found and/or pending repair works, NPC shall release the warranty security/certificate.

#### **TS-10.0 MEASUREMENT OF PAYMENT**

Payment will be made at the contract lot price for the corresponding items in the Bid Price Schedule. Payment thereof shall constitute the full compensation for supply, delivery, test and installation of the software.

**SECTION VI – TECHNICAL SPECIFICATIONS**

**PART II – TECHNICAL DATA SHEETS**

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**SECTION VI – TECHNICAL SPECIFICATIONS**



*d*

**PART II – TECHNICAL DATA SHEETS**

**SUPPLY, DELIVERY AND INSTALLATION OF PLS POLE**  
**(PR. NO. HO-CEA23-007)**

- a) The Bidder shall complete this technical data sheet and submit the filled-up form with the technical proposal. The Bidder shall use continuation sheets as necessary for any other additional information keeping to the format shown herein or by reproducing the same.
- b) NPC reserves the right to reject Bids without proper and/or specific data and information as required herein.
- c) The data required are technical features and characteristics of the components/parts to be provided by the bidder. Bidder's proposal shall at least be equal or superior to the requirements specified by NPC.

ITEM NO.	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
<b>1.0</b>	<b>PLS POLE SOFTWARE</b>		
	1. The software to be supplied shall be intended for:	1 user	
	2. Stand-alone network simulation	At least 200 buses	
	3. The software shall support the following features:		
	a. Concrete Poles	Yes	
	b. Steel Poles	Yes	
	c. Wood Poles	Yes	
	d. Laminated Wood Poles	Yes	
	e. Fiber Reinforced Polymer	Yes	
	f. Modular latticed masts	Yes	
	g. Davit Arms	Yes	
	h. Cross Arms	Yes	
	i. Guys	Yes	
	j. Cables	Yes	
	k. Braces	Yes	
	l. Equipment (user defines items like ladders, transformers ....)	Yes	
	m. Insulators (Clamp, Strain, Post, Suspension, 2 parts)	Yes	
	4. The software shall be equipped with the following features and		

Name of Firm

Name & Signature of Representative

Designation



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ITEM NO.	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	capabilities:		
	a. Specialized program for the analysis and design of transmission, distribution and substation structures made up of wood, laminated wood, FRP, steel and concrete poles or modular aluminum masts. (single poles, H-Frames, A-Frames, X-Frames...)	Yes	
	b. Structures are made of standard reusable components that are available in libraries. You can easily create your own libraries or get them from a manufacturer	Yes	
	c. Structure models are built interactively using interactive menus and graphical commands	Yes	
	d. Automatic generation of underlying finite element model of structure	Yes	
	e. Linear and Nonlinear finite element analysis options	Yes	
	f. Implements the 2017 edition of ANSI O5.1 including reduction of fiber stress with height	Yes	
	g. Wood poles can be selected from ANSI O.5 standard	Yes	
	h. Steel poles can have circular, 4, 6, 8, 12, 16, or 18-sided, regular, elliptical or user input cross sections (flat-to-flat or tip-to-tip orientations)	Yes	
	i. Base plate analysis and design for steel poles	Yes	
	j. Steel and concrete poles can be selected from standard sizes available from manufacturers	Yes	
	k. Automatic pole class selection	Yes	
	l. Steel pole shaft optimizer that considers stresses and allowable deflections	Yes	
	m. Cross brace position optimizer	Yes	
	n. Capability to specify pole ground line rotations	Yes	
	o. Capability to model foundation displacements	Yes	

Name of Firm

Name & Signature of Representative

Designation



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ITEM NO.	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	p. Can optionally model foundation stiffness	Yes	
	q. Guys are easily handled (modeled as exact cable elements in nonlinear analysis)	Yes	
	r. Automatic distribution of loads in 2-part suspension insulators (v-strings, horizontal vees, etc.)	Yes	
	s. Automatic distribution of loads in 2-part suspension insulators (v-strings, horizontal vees, etc.)		
	t. Automatic distribution of loads in 2-part suspension insulators (v-strings, horizontal vees, etc.)		
	5. Software development experience		
	a. The software developer should have been in the business of developing software for power system for not less than:	20 years	
	b. The software should have been used in the power industry for not less than:	20 years	
	6. Software Program Upgrade	Features upgrade and user support within the warranty period	
<b>1.0</b>	<b>TRAINING</b>		
	1. The supplier shall conduct classroom training program to at least one (1) NPC Personnel and shall include the training for the following: a. Concrete Poles b. Steel Poles c. Wood Poles d. Laminated Wood Poles e. Fiber Reinforced Polymer f. Modular latticed masts g. Davit Arms h. Cross Arms i. Guys j. Cables k. Braces l. Equipment (user defines items like ladders, transformers ....) m. Insulators (Clamp, Strain, Post, Suspension, 2 parts)		

Name of Firm

Name & Signature of Representative

Designation



*Handwritten initials*

ITEM NO.	DESCRIPTION	NPC REQUIREMENTS	SUPPLIER'S DATA
	1. The supplier shall provide handouts for the trainees as guide including procedure to perform the software functionalities and complete the simulation studies for Masbate Grid	Yes	
	2. The training documentation complete with program duration shall be submitted for approval of NPC	Yes	
	3. The training program shall be conducted at Supplier's premises within the contract period. Meals and snacks shall be provided by the Supplier	Yes	

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Name of Firm    Name & Signature of Representative    Designation



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## 6. Bid Prices

The bid price as indicated in the Quotation Form shall be fixed during the Bidder's performance of the Contract and not subject to variation or price escalation on any account. A Bid submitted with an adjustable price quotation shall be treated as non-responsive.

## 7. Bid Price Validity

Price Validity shall not be less than One Hundred Twenty (120) calendar days from date of bid submission.

## 8. Eligibility Criteria

- a. Bids shall be checked using the PASS / FAIL Criteria for Legal, Technical and Financial components.
- b. From the bids that were rated PASSED, the same shall be ranked and corrected for computational errors to identify the Lowest Calculated Quotation (LCQ).

## 9. Detailed Evaluation and Comparison of Bids

The LCQ shall be subjected to detailed evaluation against the Technical Specifications including arithmetical computations. Documents which are deemed not to comply with the requirements of the tender shall be considered non-complying.

## 10. Post-qualification

Submitted documents of the LCQ shall be subjected to post qualification evaluation. The bid that PASSED the Post-Qualification shall be declared as the Lowest Calculated Responsive Quotation (LCRQ).

## 11. Total Contract Price

The Total Contract Price shall be inclusive of all taxes and other related expenses / charges.

## 12. Notice to Supplier

- a. The supplier shall pick-up the Purchase Order (PO)/ Notice to Proceed (NTP) from NPC within two (2) calendar days from receipt of the Notice of Award.
- b. Failure to secure the PO/NTP by the supplier within the said period will mean cancellation of the same and imposition of penalties as prescribed by law.

## 13. PO Effectivity

- a. The PO Shall take effect immediately upon receipt of the PO / NTP by the supplier sent through fax as evidenced by the fax transmission receipt and as confirmed by the supplier's representative.

## 14. Terms of Payment

Terms of Payment shall be thirty (30) calendar days after submission of completing supporting documents.

### **15. Warranty**

The Contractor shall guarantee the workmanship for one (1) year after acceptance of NPC.

### **16. Liquidated Damages**

Where the supplier refuses or fails to satisfactorily complete the work within the specified contract time, plus any time of extension duly granted and is hereby in default under the contract, the supplier shall pay NPC for liquidated damages, and not by way of penalty, an amount equal to at least one tenth (1/10) of one percent (1%) of the cost of the undelivered/unperformed portion of the items/works for every day of delay. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the procuring entity may rescind or terminate the contract, without prejudice to other courses of action and remedies open to it (Section 68 of the Revised IRR of RA 9184).

### **17. Liability of the Supplier**

If after receipt of the Purchase Order, the supplier fails to deliver the goods, appropriate sanctions will be imposed as prescribed under Republic Act (RA) 9184 and its Revised Implementing Rules and Regulations (IRR).

### **18. Disclosure of Relations**

The bidder shall comply with the provisions of Section 47 of RA 9184 and its revised IRR re: disclosure of relations.

### **19. Administrative Sanctions**

Bidder shall likewise be imposed the rules as stated in section 69 (Imposition of administrative penalties) should there be infractions committed.

### **20. Reservation Clause**

NPC reserves the right to accept or reject any bid, to annul the bidding process, and to reject all bids at any time prior to contract award, without thereby incurring any liability to the affected bidder/s.

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**SUPPLIER'S BID QUOTATION  
(SMALL VALUE PROCUREMENT – 53.9)**

To: The BAC Chairman:

I have read and examined the Terms of Reference for Purchase Requisition (PR) No/s. **HO-CEA23-007**. I agree with the conditions of the TOR and offer the following supplies with specific description:

ITEM NO.	DESCRIPTION OF ITEM / S TO BE SUPPLIED (INCLUDE BRAND NAME)	QTY	UNIT PRICE (PhP)	TOTAL PRICE (PhP)
TOTAL BID PRICE				

\_\_\_\_\_  
Name and Signature of Authorized Representative  
Date \_\_\_\_\_

Company Name \_\_\_\_\_

Contact Details \_\_\_\_\_

e-mail address \_\_\_\_\_

*Note: The bidder may use this form or its own company letter head following this format duly signed by the authorized representative when making the offer.*