



Republic of the Philippines
 NATIONAL POWER CORPORATION

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

1.Scope of Works (REF: _____ PR NO. [S3-EMO22-006](#))

“SUPPLY AND DELIVERY OF TEST SET AUTOMATIC TRANSFORMER TURNS RATIO INTENDED FOR EMOD DPP’S”

ITEM NO.	DESCRIPTION OF ITEM/S	QUANTITY	UNIT	TOTAL ABC (Php)
1	TEST SET AUTOMATIC TRANSFORMER TURNS RATIO	1	SET	600,000.00
	•Single & Three Phase Transformer Testing (up to 1MVA or higher)			
	•Lightweight, handheld, durable, rugged, robust & tough bod design			
	•Battery operated line rechargeable			
	•With Backlight to allow use in poorly light condition			
	•LCD display			
	•With Data Transfer Capability with windows software program for test results management			
	•Equipped with sufficient onboard memory to store data of atleast 200 test results			
	FUNCTIONS MEASURED:			
	Turns ratio, Phase Displacement, Excitation Current, Winding Resistance & Polarity			
	PARAMETERS/SPECIFICATION			
	Power Source: AC Rechargeable-NiMH/Lithium-Ion Battery Pack			
	Charge Input: 100-250V AC, 50/60hz can be operated while charging			
	Display: LCD module with wide temperature range			
	Excitation Voltage: 8V rms for Testing Distribution or Power Transformers & PTs 1.5V/8V AC RMS for Testing CT			
	Excitation Current: 0-100mA or Higher			
	Turn Ratio Range: 8V AC: 0.8 to 20,000 (for Transformers and PT Testing) 1.5v ac: 5.0 to 2,200 (for CT Testing)			
	Winding Resistance Accuracy:0-2,000 ohms or higher			
	Current (RMS) Accuracy: +-5% rdg +-mA or better			
	Turns Ratio Accuracy: +-0.20% or Better (0.8 – 4,000), +-0.25% or Better (4,001 – 10,000), +-0.30% or Better (10,001 – 20,000)			
	Measurement Method: ANSI/IEEE C57.12.90			
	3 user selectable Standard: ANSI, IEC & Australian			
	Additional Requirements:			
	-Complete with extra durable transit case with carrying strap -Atleast One (1) year Warranty -With user's manual included			
	TOTAL BID PRICE			600,000.00
	Notes:			
	•Bid offer must be within the ABC •Warranty shall be at least One (1) Year			

Note: This portion must include the complete technical specifications and the quantity of the requirement.

2. Delivery Period / Duration of Work

Delivery Period / Duration of Work shall not be later than **Thirty (30)** calendar days upon receipt of the Purchase Order/Contract or Notice to Deliver.

3. Delivery Point

[AFD WAREHOUSE, DAVAO CITY](#)

4. Bid Submission

The Bidder shall submit their sealed quotations through their authorized representative to be dropped in the designated drop box in the **[SPUG Mindanao Central Office, Kumintang St., Mintal, Tugbok District, Davao City](#)**

5. Late Bids

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

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 Single / Lowest Calculated Bid (S/LCB).

9. Detailed Evaluation and Comparison of Bids

The S/LCB 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

- a. Submitted documents of the S/LCB shall be subjected to post qualification evaluation.
- b. The bid that PASSED the Post-Qualification shall be declared as the Single/Lowest Calculated Responsive Bid (S/LCRB).

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

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) days** after submission of complete supporting documents.

15. Warranty

Unless otherwise provided in the RFQ, the warranty period shall be a minimum of **ONE (1) YEAR** from the date of final acceptance by the end-user.

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 signing and accepting the Purchase Order/Contract, the supplier fails to deliver the goods and/or services, appropriate sanctions will be imposed as prescribed under Republic Act (RA) 9184 and its Revised Implementing Rules and Regulations (IRR).

18. 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.

**SUPPLIER'S BID QUOTATION
 (NP-SMALL VALUE PROCUREMENT53.9)**

To: The DBAC Chairman:

I have read and examined the Terms of Reference for Purchase Requisition (PR) No/s. **S3-EMO22-006**. I agree with the conditions of the TOR and offer the following with specific description:

ITEM NO.	DESCRIPTION OF ITEM/S TO BE SUPPLIED (INCLUDE BRAND NAME)	OFFERED BRAND/ MODEL	QTY.	UNIT of MEASURE	UNIT PRICE (Php)	TOTAL PRICE (Php)
1	TEST SET AUTOMATIC TRANSFORMER TURNS RATIO		1	SET		
	•Single & Three Phase Transformer Testing (up to 1MVA or higher)					
	•Lightweight, handheld, durable, rugged, robust & tough bod design					
	•Battery operated line rechargeable					
	•With Backlight to allow use in poorly light condition					
	•LCD display					
	•With Data Transfer Capability with windows software program for test results management					
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	FUNCTIONS MEASURED:					
	Turns ratio, Phase Displacement, Excitation Current, Winding Resistance & Polarity					
	PARAMETERS/SPECIFICATION					
	Power Source: AC Rechargeable- NiMH/Lithium-Ion Battery Pack					
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	Display: LCD module with wide temperature range					
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	Measurement Method: ANSI/IEEE C57.12.90					
	3 user selectable Standard: ANSI, IEC & Australian					
	Additional Requirements:					
	-Complete with extra durable transit case with carrying strap -Atleast One (1) year Warranty -With user's manual included					
TOTAL BID PRICE						
Notes:						
<ul style="list-style-type: none"> •Bid offer must be within the ABC •Warranty shall be at least ONE (1) Year 						

Delivery Period : 30 days **Price Validity** : 120 calendar days
Delivery Point : AFD WAREHOUSE, DAVAO CITY **Warranty Period** : ONE (1) YEAR
Terms of Payment : 30 days

 Name and Signature of Authorized Representative
 Date _____
 Company Name _____

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.