



National Power Corporation

REQUEST FOR QUOTATION (SHOPPING – 52 .1 b)

September 27, 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-FFW23-009** Ref. No. **SHB230815-RG00239(SHB2)** and submit the same at the Bids and Contracts Services Division (BCSD), Ground Floor Diliman Quezon City on or before **9:30 AM of 10 October 2023**.

The following documents must be submitted together with your quotation:

For Platinum Members:

1. 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:

1. Valid Mayor's Permit
 2. PhilGEPS Registration Number ;
- Other documents to be submitted: _____

In case no bid or insufficient number or bids is received on **10 October 2023**, the deadline for submission may be extended, as follows:

First (1st) Extension : 24 OCTOBER 2023
Second (2nd) Extension : _____
Third (3rd) Extension : _____

The RFQ/Bid Proposal shall be submitted by the bidder to NPC on the manner of submission based on the ABC as follows:

Approved Budget for the Contract (ABC)

- Up to Php100, 000.00 - via fax/e- mail/ bid proposal to procurement officer
- Above Php100,000 up to Php1,000,000 - via Sealed Offer (use drop box @ procurement office)

For further inquiries, please contact the BAC Secretariat, **Mr. Renz Gabriel L. Cruz** at telephone no/s. **8921-3541 loc 5397 / Fax No. 8922-1622** with e-mail address at renzacruz.napocor@gmail.com

Very truly yours,

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





Republic of the Philippines
NATIONAL POWER CORPORATION

**TERMS OF REFERENCE
ALTERNATIVE MODE OF PROCUREMENT
(SHOPPING – 52.1 b)**

1. **Scope of Works:** PRNO.HO-FFW23-009/ REF NO. SHB230815-RG00239(SHB2)

FOR THE SUPPLY AND DELIVERY OF ROTARY ENCODERS

Item No.	DESCRIPTION	QTY.	ABC (PhP)
1	ROTARY ENCODER SPARES FOR SPILLWAY GATE REMOTE OPERATION	3 UNITS	393,000.00
TOTAL AMOUNT			393,000.00

Notes:

- **Warranty: At least One (1) Year**
- **See attached sheet for complete Technical Specification.**
- **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 393,000.00

2. Delivery Period

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

3. Delivery Point

Items shall be delivered at **Angat FFWSD Warehouse, Norzagaray, Bulacan**

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.

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.

- PhilGEPS Certification and Mayor's/Business Permit.

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 complete supporting documents.

15. Warranty

Warranty is dependent upon the nature/type of the item which is included in the offer (i.e. Manufacturer's Warranty).

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
(SHOPPING 52.1 b)**

To: The BAC Chairman:

I have read and examined the Terms of Reference for Purchase Requisition (PR) No/s. **HO-FFW23-009**. 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				

- Payment Terms : 30 Calendar Days
- Delivery Period : 30 Calendar Days
- Price Validity : 120 Calendar Days
- Delivery Point : Angat FFWSD Warehouse, Norzagaray, Bulacan
- Warranty : 1 Year

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.

1. ABSOLUTE ROTARY ENCODER

ITEM NO.	DESCRIPTION	NPC REQUIREMENT
General:		
1	Manufacturer	By Supplier
2	Place of Manufacture	By Supplier
3	Brand/ Model	By Supplier
Interface:		
1	Interface	Profinet
2	Profile	Profidrive Profile 4.x, Encoder Profile 4.x
3	Diagnostics	Memory
4	Programming Functions	Resolution, time base and filter for velocity, preset, counting direction, IP Address
5	Features	Boot-Loader, Round Axis, Flashing LEDs
6	Transmission Rate	10/ 100 Mbit
7	Interface Cycle Time	≥ 1 ms
Output:		
1	Output Driver	Ethernet
Electrical Data:		
1	Supply Voltage	10 – 30 VDC
2	Current Consumption	≤ 230 mA @ 10VDC, ≤ 100 mA @ 24VDC
3	Power Consumption	≤ 2.5 W
4	Start-Up Time	< 250 ms
5	Reverse Polarity Protection	Yes
6	Short Circuit Protection	Yes

7	EMC: Emitted Interference	DIN EN 61000-6-4
8	EMC: Noise Immunity	DIN EN 61000-6-2
9	MTTF	65 years @ 40°C
Sensor:		
1	Technology	Optical
2	Resolution Singleturn	13 bit
3	Resolution Multiturn	14 bit
4	Multiturn Technology	Mechanical Gearing (no Battery)
5	Accuracy (INL)	± 0.0220° (14-16 bit), ± 0.0439° (≤13 bit)
6	Code	Binary
Environmental Specifications:		
1	Protection Class (Shaft)	IP66/ IP67
2	Protection Class (Housing)	IP66/ IP67
3	Operating Temperature	-40 °C (-40 °F) - +85 °C (+185 °F)
4	Storage Temperature	-40 °C (-40 °F) - +85 °C (+185 °F)
5	Humidity	98% RH, no condensation
Mechanical Data:		
1	Housing Material	Stainless Steel V2A (1.4305, 303)
2	Housing Coating	No Coating
3	Flange Type	Clamp, Ø 58 mm (C)
4	Flange Material	Stainless Steel V2A (1.4305, 303)
5	Shaft Type	Solid, Length = 10mm
6	Shaft Diameter	Ø 6 mm (0.24")
7	Shaft Materials	Stainless Steel V2A (1.4305, 303)

8	Max. Shaft Load	Axial 40 N, Radial 110 N
9	Minimum Mechanical Lifetime (10 ⁸ revolutions with Fa/Fr)	530 (20N/ 40N), 185 (40N/ 60N), 130 (40N/ 80N), 80 (40N/ 110N)
10	Rotor Inertia	≤ 30 gcm ² (≤ 0.17 oz-in ²)
11	Friction Torque	≤ 5 Ncm @ 20 °C, (7.1 oz-in @ 68°F)
12	Max. Permissible Mechanical Speed	≤ 3000 1/min
13	Shock Resistance	≤ 100g (half sine 6 ms, EN 60068-2-27)
14	Permanent Shock Resistance	≤ 10g (half sine 16 ms, EN 60068-2-29)
15	Vibration Resistance	≤ 10g (10Hz – 1000Hz, EN 60068-2-6)
16	Length	80 mm (3.15")
17	Weight	850 g (1.87 lb)
Electrical Connection:		
1	Connection Orientation	Radial
2	Connector 1	M12, Female, 4 pin, d coded
3	Connector 2	M12, Male, 4 pin, a coded
4	Connector 3	M12, Female, 4 pin, d coded
Certification:		
1	Approval	CE + cULus listed, Industrial Control Equipment
2	Product Life Cycle	Established
Others:		
1	Accessories	Included
Warranty:		
1	Warranty:	One (1) Year