



# NATIONAL POWER CORPORATION

## REQUEST FOR QUOTATION (SHOPPING – 52 .1 b)

28 September 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-PES23-006** Ref. No. **SHB221125-KA000439 (SH3)** and submit the same at the Bids and Contracts Services Division (BCSD), Ground Floor Diliman Quezon City on or before **9:30 pm of 11 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 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 11 October 2023 the deadline for submission may be extended, as follows:

First (1<sup>st</sup>) Extension : \_\_\_\_\_  
Second (2<sup>nd</sup>) Extension : \_\_\_\_\_  
Third (3<sup>rd</sup>) 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 Php 100, 000.00 - via fax/e- mail/ bid proposal to procurement officer  
8922-1622/delunarj.npc@gmail.com
- Above Php 100, 000 up to Php1, 000,000 - via Sealed Offer (use drop box @ procurement office)

For further inquiries, please contact the BAC Secretariat, Riza Joy B. De Luna at telephone no/s. 8921-35741 Local: 5611.

Very truly yours,

**ATTY. MELCHOR P. RIDULME**  
Vice President, Office of the Legal Counsel  
and 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:** PR NO. HO-PES23-006 Ref. No. SHB221125-KA000439 (SH3)

**For the Supply and Delivery of Drone with Waterproof Case**

Item No.	DESCRIPTION	QTY.	ABC (PhP)
1	Pre-feasibility study of Hybrid Power Plants Sys. In selected SPUG Area Drone with Waterproof Case	1 Set	97,000.00
<b>TOTAL</b>			<b>Php 97,000.00</b>

**Note/s:**

- A. All materials/items to be supplied by the winning bidder/s should be brand new, genuine and in its original packaging;
- B. Warranty shall be at least one (1) year

**2. Delivery Period**

Delivery Period shall not be later than **25 CALENDAR DAYS** upon receipt of the Purchase Order / Notice to Proceed.

**3. Delivery Point**

Items shall be delivered at **NPC-HO, OBC WAREHOUSE 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.

**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 S/LCQ shall be subjected to post qualification evaluation. The bid that PASSED the Post-Qualification shall be declared as the Single/Lowest Calculated Responsive Quotation (S/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-PES23-006** 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 (Php)
1				
<b>TOTAL</b>				

Payment Terms: 30 calendar days  
 Delivery Period: 25 calendar days  
 Price Validity: 120 calendar days  
 Delivery Point: NPC-HO, OBC WAREHOUSE DILIMAN QUEZON CITY  
 Warranty: One (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.*

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## TECHNICAL SPECIFICATIONS

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## TECHNICAL SPECIFICATIONS

### TS-1.0 GENERAL

This specification shall cover the supply and delivery of one (1) unit of Drone with Waterproof Casing. The Drone will be used to survey and capture images and videos for site development from high altitude and will also be used for capturing project updates. While the Waterproof casing will be used to protect the said item from any damage and water contamination

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 works shall cover the supply and delivery but not limited of the following items:

- One (1) unit of Drone Body Frame with bag;
- Six (6) pairs of Low-Noise Propellers;
- Three (3) unit of Rechargeable Intelligent Flight Battery;
- One (1) unit of Battery Charger;
- One (1) unit of AC Power Cable;
- One (1) unit of Gimbal Protector and Camera cover;
- One (1) unit of Remote Controller Sticks and its charging peripheral;
- One (1) unit of USB Type-C Remote Controller Cable;
- One (1) unit of Lightning Remote Controller Cable;
- One (1) unit of Micro-USB Remote Controller Cable;
- One (1) unit of 3 slots battery charging hub;
- One (1) unit of Battery-to-Power bank Adapter;
- One (1) unit of Airtight Waterproof Case; and
- Three (3) units of Memory Card (128Gb SDXC)

### TS-3.0 DELIVERY PERIOD AND LOCATION

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

The one (1) unit of Drone with Waterproof Case and shall be delivered to the Office of the Vice President of the Power Engineering Services, NPC Head Office, Diliman, Quezon City.

**TS-4.0 TECHNICAL SPECIFICATIONS**

This specification covers the features and technical requirements for the supply and delivery of one (1) unit of Drone with Airtight Waterproof Case. All items must be unused/brand new in sealed packaging.

**TS-4.1 DRONE**

The **Drone** shall have the following minimum functionalities and features:

- It shall have a flight/hover time of at least 25 minutes;
- It shall be capable of producing a video with 4k resolution and at least 20MP camera effective pixels;
- It shall be lightweight and comparably small on its folded form;
- It shall have integrated Gimbal Support for stabilization of camera;
- It shall have integrated GPS which improve drone’s stability and allowing it to easily hover in place;
- It shall have a minimum range of operation of at least 4km;
- Its Remote Controller should have an easily understandable user interface and capable to connect to a mobile phone for the live feed on the camera;
- It shall have at least basic gesture recognition and active tracking for ease of usage; and
- It shall have a “return to home” feature.

The table below defines the minimum equipment requirement, its channel & operation range and its accessories specifications.

<b>Specifications/Descriptions</b>	<b>Parameters</b>
Takeoff Weight	895g / 2lb
Dimension (Folded)	215 x 90 x 85 mm (LxWxH)
Dimension (Unfolded)	320 x 240 x 85 mm (LxWxH)
Horizontal Speed	15-21 m/s
Ascent Speed	6 m/s
Descent Speed	4-6 m/s
Flight Ceiling	5000m
Max. Flight Time	25-30 mins
Max. Hover Time	25-29 mins
Transmission range	12 – 15 km
Sensor Type	1" CMOS
Sensor Resolution	At least 20MP
Field of View	88°
Video Resolution	4k
Gimbal	3-axis

**Table 1.0 Technical Specification for Drone.**



#### **TS-4.2 DRONE WATERPROOF CASE**

The **Drone Waterproof Case** shall have the following minimum functionalities and features:

The Waterproof Case of the Drone should be airtight, specifically molded and created to store all the component of the Drone. The foam inside is pre-cut to fit all materials for assembly at the same time protect it from collision, drop and water damage. It should comply with IP67 protection and with automatic pressure release capability.

#### **TS-5.0 GUARANTEE**

The Supplier shall give full guarantee that all furnished equipment shall be brand-new, unused, fully functional, and free from defect. This guarantee shall provide a warranty of at least one (1) year. The warranty shall cover that all supplied and delivered equipment are free from defects against materials and workmanship from manufacturing. The supplier shall be responsible for the repair and/or replacement of the defective equipment. Expenses regarding the repair and/or replacement of the parts shall be into the account of the supplier. The Supplier shall submit Warranty Certificate stating the requirements in this clause upon the delivery of the equipment.

#### **TS-6.0 MEASUREMENT OF PAYMENT**

NPC shall pay the supplier within thirty (30) days after the issuance of Certificate of Acceptance.