



**PNOC**

The Energy Company

**PHILIPPINE NATIONAL OIL COMPANY  
PNOC BLDG. 6, ENERGY CENTER, RIZAL DRIVE,  
BONIFACIO GLOBAL CITY, TAGUIG CITY**

# **Procurement of CONSULTING SERVICES**

**Consulting Services for the  
Conduct of Aerial LiDAR Survey  
Services for PNOC Industrial  
Park, Limay – Mariveles, Bataan**

*REI No. 2026-05-061*

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## ***Glossary of Acronyms, Terms, and Abbreviations***

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

CDA - Cooperative Development Authority.

DOLE – Department of Labor and Employment.

GCC - General Conditions of Contract.

GFI – Government Financial Institution.

GOCC – Government-Owned and/or –Controlled Corporation.

GoP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

HoPE – Head of Procuring Entity.

HRRB – Highest Rated Responsive Bid.

IRR – Implementing Rules and Regulations of Republic Act No. 12009.

ITB – Instructions to Bidders.

LGUs – Local Government Units.

LoC – Letter of Credit.

MYCA – Multi-Year Contracting Authority.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procuring Entity - the organization purchasing Consulting Services, as named in the SCC.

RA No. – Republic Act Number.

SCC - Special Conditions of Contract.

SEC – Securities and Exchange Commission.

UN – United Nations.

WB – World Bank.

## ***Definition of Terms***

**Bid** – a signed offer, proposal, or quotation submitted by a supplier, manufacturer, distributor, contractor, consultant, or service provider in response to the requirements of the Procuring Entity as stated in the Bidding Documents. (IRR of RA No. 12009, Section 5[c]).

**Bidder** – a supplier, manufacturer, distributor, contractor, consultant, and service provider, whether public or private, who submits a Bid in response to the requirements of the Procuring Entity as stated in the Bidding Documents. (IRR of RA No. 12009, Section 5[d]).

**Bidding Documents** – the documents issued by the Procuring Entity as the basis for Bids, furnishing all information necessary to prospective bidder to prepare a Bid for the Goods, Infrastructure Projects, and Consulting Services required by the Procuring Entity. (IRR of RA No. 12009, Section 5[e]).

**Consultant** - refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in providing Consulting Services.

**Consulting Services** – refer to services for Infrastructure Projects and other types of projects or activities of the government requiring adequate external technical and professional expertise that are beyond the capability or capacity of the government to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (IRR of RA No. 12009, Section 5[i])

**Contract** – refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

**Contract Price** - the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.

**Effective Date of the Contract** – the date indicated in the contract. However, the Consultant shall commence performance of its obligations only upon receipt of the Notice to Proceed.

**Framework Agreement** – is a procurement strategy which shall be in the nature of an option contract between the Procuring Entity and the bidder that stipulates the terms and conditions to be applied in subsequent contracts for the procurement of Goods, Infrastructure Projects, and Consulting Services with a single or multiple contractor, manufacturer, supplier, distributor, consultant, and service provider to expand the pool of prospective bidders, take advantage of economies of scale, minimize the administrative burden of conducting separate procurement activities, and generate time and money savings. (IRR, Sections 16.1 and 16.2).

**Foreign-funded Procurement or Foreign-Assisted Project**– refers to the acquisition of Goods, Consulting Services, and the contracting for Infrastructure Projects by the Government of the Philippines which are wholly or partly funded by foreign loans or grants pursuant to a Treaty or International or Executive Agreement.

Goods – refer to (i) all items, supplies, and materials, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity; or (ii) general support services which pertain to all types of services except Consulting Services and Infrastructure Projects, such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services. (IRR of RA No. 12009, Section 5[n])

Infrastructure Projects – include the construction, improvement, rehabilitation, demolition, repair, restoration, or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as “civil works” or “works;” (IRR of RA No. 12009, Section 5[r])

Online submission – pertains to the submission of the short-listing documents and bids for Consulting Services through electronic means or through the e-bidding facility of the PhilGEPS.

Project – refers to a specific or identified procurement covering Goods, Infrastructure Projects or Consulting Services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. Supplier as used in these Bidding Documents may likewise refer to a manufacturer, distributor, contractor, consultant, or service provider.

Verified Report – refers to the report submitted by the Implementing Unit to the HoPE setting forth its findings as to the existence of grounds or causes for termination and explicitly stating its recommendation for the issuance of a Notice to Terminate.

## ***Part I***

## **Checklist of Eligibility Requirements**

1. Short-Listing Documents Submission Form (Annex A)

### **CLASS "A" Documents**

#### **Legal Documents**

2. Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 20 of the IRR of RA 12009 or the New Government Procurement Act

#### **Technical Documents**

3. Statement of Consultant's Nationality (Annex B)
4. Curriculum Vitae for the Proposed Professional Staff (Annex C)
5. Statement of Completed Contracts (Annex D)
6. Certificate of Good Standing, Acceptance Report, Certificate of Satisfactory Service Rendered, or Any Proof of Satisfactory Completed Contracts
7. List of consultant's equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, or certification of availability of equipment from the lessor/ vendor for the duration of the project, as the case may be
8. Statement of Ongoing and Awarded but not yet Started Contracts (Annex E)

### **CLASS "B" Documents**

9. Valid Joint Venture Agreement (JVA) if JV is in existence or duly notarized statements from all potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.



## PHILIPPINE NATIONAL OIL COMPANY

PNOC Building VI, Energy Center,  
Rizal Drive, BGC, Taguig City  
Tel. No.: (02) 8789 – 7662

[www.pnoc.com.ph](http://www.pnoc.com.ph)  
[www.philgeps.gov.ph](http://www.philgeps.gov.ph)

### REQUEST FOR EXPRESSION OF INTEREST

#### Consulting Services for the Conduct of Aerial LiDAR Survey Services for PNOC Industrial Park, Limay – Mariveles, Bataan

#### Request for Expression of Interest (REI) No.: 2026-05-061

- 1) The *Philippine National Oil Company*, through the 2026 Approved Corporate Operating Budget intends to apply the sum of **Six Million Pesos (Php 6,000,000.00)** being **Consulting Services for the Conduct of Aerial LiDAR Survey Services for PNOC Industrial Park, Limay – Mariveles, Bataan**. Bids received in excess of the ABC shall be automatically rejected at the opening of the financial proposals.
- 2) The *Philippine National Oil Company* now calls for the submission of short-listing documents for 0. Consulting Services for the Conduct of Aerial LiDAR Survey Services for PNOC Industrial Park, Limay – Mariveles, Bataan. Short-listing documents of interested consultants must be duly received by the BAC Secretariat on or before **June 22, 2026 (10:00 AM PST)** at **the PNOC Building 6, Energy Center, Rizal Drive, Bonifacio Global City, Taguig City**. Applications for eligibility will be evaluated based on a non-discretionary “pass/fail” criterion.
- 3) Interested bidders may obtain further information from *PNOC Procurement Management Division* and inspect the Bidding Documents at the address given below from **8:00 AM to 5:00 PM**.
- 4) A complete set of Bidding Documents (Part 1) may be acquired by interested Bidders on **June 15, 2026** from the given address below. Short Listed Consultants may only be allowed to acquire the Bidding Documents (Part 2) and submit their Technical and Financial Proposal upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **Six Thousand Pesos (PhP 6,000.00)**.

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

- 5) The BAC shall draw up the short-list of consultants from those who have submitted Expression of Interest, including the short-listing documents, and have been determined as eligible in accordance with the provisions of Republic Act (RA) No. 12009, otherwise known as the “New Government Procurement Act”, and its Implementing Rules and Regulations (IRR). The short-list shall consist of **three (3) bidders garnering at least 60% out of 100%**; *If only one (1) applicant (or fewer than the required number) passes the eligibility check and/or meets the minimum shortlisting score, the BAC shall allow them to proceed and submit their Technical and Financial Proposal manually. However, in the event of a tie in scores at any ranking level within the top three (3), all Consultants with the same score shall be included in the shortlist, even if this results in more than three (3) shortlisted Consultants.*

<b>CRITERIA</b>	<b>PERCENTAGE</b>
1. <i>Applicable Years of Experience and Track Record of the Consultancy Management Services/ Firm</i>	40
2. <i>Qualification of Personnel to be assigned to the Project</i>	40
3. <i>Current Workload Relative to Capacity</i>	20
	<b>100</b>

- 6) Bidding will be conducted through competitive selection using non-discretionary “pass/fail” criterion as specified in the Implementing Rules and Regulations (IRR) of RA No. 12009.

Bidding is restricted to Filipino citizens/sole proprietorships, cooperatives, and partnerships or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines.

- 7) The Procuring Entity shall evaluate bids to determine the Highest Rated Bid using the **Quality (80%) – Cost (20%) Based Evaluation/Selection (QCBE/QCBS)** procedure. The Procuring Entity shall indicate the weights to be allocated for the Technical and Financial Proposals. The criteria and rating system for the evaluation of bids shall be provided in the Instructions to Bidders.
- 8) Short-Listing Documents must be received by the Procuring Entity’s BAC at the address indicated in the Request for Expression of Interest on or before the date and time indicated in the **SDS**.
- 9) The contract shall be completed within **sixty (60) calendar days upon receipt of the Notice to Proceed (NTP)**.
- 10) All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
- 11) The certification as to the current workload relative to capacity shall be made in accordance with the Instructions to Bidders in relation to TPF 5 therein.
- 12) For downloading of Bidding Documents:  
**[www.philgeps.gov.ph](http://www.philgeps.gov.ph)** and **<http://www.pnoc.com.ph/bids-notices/>**
- 13) The *PNOC* reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 70 of RA No. 12009 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

14) For further information, please refer to:

**The Secretariat**

**Bids and Awards Committee**

**Philippine National Oil Company**

G/F PNOC Bldg. 6, Energy Center, Rizal Drive,

Bonifacio Global City, Taguig City

Terl No.: 8789 – 7662 local 7721

Email: [rgvergara@pnoc.com.ph](mailto:rgvergara@pnoc.com.ph) / [procurement@pnoc.com.ph](mailto:procurement@pnoc.com.ph)

Website: [www.pnoc.com.ph](http://www.pnoc.com.ph) / [www.philgeps.gov.ph](http://www.philgeps.gov.ph)

  
for: **ATTY. JOSEPHINE CASSANDRA J. CUI**  
BAC Chairperson  

## ***Section II. Short-Listing Documents***

### **Notes on the Short-Listing Documents**

This Section provides the information necessary for prospective bidders to prepare responsive Short-listing Documents, in accordance with the requirement of the Procuring Entity.

No changes shall be made to the provisions contained in this Section. Additional information or requirements specific to each procurement shall be specified in the Short-listing Data Sheet (SDS).

## 1) Short-listing Criteria

1.1 The following persons/entities shall be allowed to participate in the bidding for Consulting Services:

- a) Duly licensed Filipino citizens/sole proprietorships;
- b) Partnerships duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the interest belongs to citizens of the Philippines;
- c) Corporations duly organized under the laws of the Philippines and of which at least sixty percent (60%) of the outstanding capital stock belongs to citizens of the Philippines;
- d) Cooperatives duly organized under the laws of the Philippines; or
- e) Persons or entities forming themselves into a joint venture, *i.e.*, a group of two (2) or more persons/entities that intend to be jointly and severally responsible or liable for a particular contract: Provided, however, That Filipino ownership or interest thereof shall be at least sixty percent (60%), **subject to the latest foreign investment negative list**. For this purpose, Filipino ownership or interest shall be based on the contributions of each of the members of the joint venture as specified in their JVA.

1.2 When the types and fields of Consulting Services involve the practice of professions regulated by law, those who will actually perform the services shall be Filipino citizens and registered professionals authorized by the appropriate regulatory body to practice those professions and allied professions specified in the **SDS**.

1.3 If the Request for Expression of Interest allows participation of foreign consultants, prospective foreign bidders may be eligible subject to the conditions stated in the **SDS**.

1.4 Government Owned or –Controlled corporations (GOCCs) may be eligible to participate only if they can establish that they (a) are legally and financially autonomous, (b) operate under commercial law, and (c) are not attached agencies of the Procuring Entity.

## 2) Eligibility Requirements

2.1 The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. The following eligibility requirements, together with the Short-listing Documents Submission Form, shall be submitted on or before the date of the eligibility check specified in the Request for Expression of Interest and Clause 5 of this Section for purposes of determining eligibility of prospective bidders:

- a) PhilGEPS Certificate of Registration (Platinum Membership) in accordance with Section 20 of the IRR.
- b) Statement of all its ongoing and completed government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the procurement project, within the relevant

period provided in the **SDS which shall not exceed ten (10) years.** The statement shall include, for each contract, the following:

- i) the name and location of the contract;
  - ii) date of award of the contract;
  - iii) type and brief description of Consulting Services;
  - iv) consultant's role (whether main consultant, or partner in a JV)
  - v) amount of contract;
  - vi) contract duration; and
  - vii) certificate of satisfactory completion or equivalent specified in the **SDS** issued by the client, in the case of a completed contract.
- c) Statement of the consultant specifying its nationality and confirming that those who will actually perform the service are registered professionals authorized by the appropriate regulatory body to practice those professions and allied professions in accordance with Clause 1.2, including their respective curriculum vitae.
- d) *[If applicable]* the Joint Venture Agreement (JVA) in case the joint venture is already in existence, or in the absence of a JVA, a duly notarized statement from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the event that the bid is successful.

2.2 The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country; and shall be authenticated by the appropriate Philippine foreign service establishment or post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. However, for Contracting Parties to the Apostille Convention, the documents shall be authenticated through an apostille by the Competent Authority, as defined in Section 20.9.2 of the IRR, except for countries identified by the DFA that will still require legalization (red ribbon) by the relevant Embassy or Consulate.

2.3 Prospective bidders may obtain a full range of expertise by associating with individual consultant/s and/or other consultants or entities through a JV. Foreign Consultants shall seek the participation of Filipino Consultants by entering into a JV with Filipino Consultants.

2.4 To facilitate the determination of eligibility, the BAC shall use the contents of the PhilGEPS electronic registry of manufacturers, suppliers, distributors, contractors, or consultants, in accordance with Section 20 of the IRR.

### **3) Format and Signing of Short-listing Documents**

3.1 Prospective bidders shall submit their short-listing documents through their duly authorized representative on or before the deadline specified in Clause 5 of this Section.

3.2 The Short-listing Documents Submission Form shall be signed by the duly authorized representative/s of the Bidder. Failure to do so shall be a ground for the rejection of the short-listing documents.

3.3 Any insertions, erasures, or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the prospective bidder.

#### 4) **Sealing and Marking of Short-listing Documents**

4.1 Prospective bidders shall enclose their short-listing documents described in Clause 2.1, in a sealed envelope marked "SHORT-LISTING DOCUMENTS."

4.2 The short-listing documents as indicated in the **SDS** shall be signed by the prospective bidder or its duly authorized representative/s.

4.3 All envelopes shall:

- a) contain the name of the contract to be bid in capital letters;
- b) bear the name and address of the prospective bidder in capital letters;
- c) be addressed to the Procuring Entity's BAC specified in the **SDS**;
- d) bear the specific identification of this Project indicated in the **SDS**; and
- e) bear a warning "DO NOT OPEN BEFORE..." the date and time for the opening of short-listing documents, in accordance with Clause 5.

4.4 Unsealed or unmarked envelopes or short-listing documents that cannot be opened or corrupted in case of online submission, as required in the Bidding Documents, shall be rejected. However, for manually submitted envelopes that are not properly sealed and marked as required in the Bidding Documents, the same shall be accepted; Provided, That the bidder or its duly authorized representative shall acknowledge such condition of the documents as submitted. The BAC shall assume no responsibility for misplacement of the contents of the short-listing documents, or for its premature opening.

#### 5) **Deadline for Submission of Short-listing Documents**

Short-listing documents must be received by the Procuring Entity's BAC at the address indicated in the Request for Expression of Interest or through online submission on or before the date and time indicated in the **SDS**.

#### 6) **Late Submission of Short-listing Documents**

Any short-listing documents submitted after the deadline for submission and receipt prescribed in Clause 5 of this Section shall be declared "Late" and shall not be accepted by the Procuring Entity. The BAC shall record in the minutes of submission and opening of short-listing documents, the Bidder's name, its representative and the time the short-listing documents were submitted late.

#### 7) **Modification and Withdrawal of Short-listing Documents**

7.1 The prospective bidder may modify its short-listing documents before the deadline for the submission and receipt of short-listing documents. For manual submission and receipt of short-listing documents, the prospective bidder shall not be allowed to retrieve its short-listing documents but shall be allowed to submit the modification to the short-listing documents equally sealed, properly identified, linked to its bid marked

as "SHORT-LISTING MODIFICATION" and stamped "received" by the BAC. Modifications received after the applicable deadline shall not be considered and shall be returned to the prospective bidder unopened. For online submission, where bidders modify their short-listing documents, they shall not be allowed to retrieve their short-listing documents but shall only be allowed to submit the short-listing modification equally secured and properly identified, and it shall be labelled as a "modification" of the one previously submitted. The time indicated in the latest short-listing receipt page generated shall be the official time of submission. Short-listing documents submitted after the deadline shall not be accepted.

- 7.2 A prospective bidder may, in writing, withdraw its short-listing documents before the deadline for the submission and receipt of short-listing documents.
- 7.3 Short-listing documents requested to be withdrawn in accordance with this Clause shall be returned unopened to the prospective bidder concerned. A prospective bidder that withdraws its short-listing documents shall not be permitted to submit another set, directly or indirectly, for the same project. A prospective bidder that acquired the short-listing documents may also express its intention not to participate in the bidding through a letter which should reach and be stamped by the BAC before the deadline for submission and receipt of short-listing documents.

## **8) Opening and Preliminary Examination of Short-listing Documents**

- 8.1 The BAC will open the envelopes containing the short-listing documents in the presence of the prospective bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the **SDS**. The prospective bidders' representatives who are present shall sign a register evidencing their attendance.
- 8.2 In case the submitted eligibility envelopes cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the said envelopes and reschedule the opening on the next working day or at the soonest possible time through the issuance of a Notice of Postponement to be posted on the PhilGEPS website and the website of the Procuring Entity concerned.
- 8.3 Letters of withdrawal shall be read out and recorded during the opening of short-listing documents and the envelope containing the corresponding withdrawn short-listing documents shall be returned unopened to the withdrawing prospective bidder.
- 8.4 The short-listing documents envelopes and modifications, if any, shall be opened one at a time, and the following read out and recorded:
  - a) the name of the prospective bidder;
  - b) whether there is a modification or substitution; and
  - c) the presence or absence of each document comprising the short-listing documents vis-à-vis a check of the required documents.
- 8.5 The eligibility of each prospective bidder shall be determined by examining each bidder's eligibility requirements or statements against a checklist of requirements, using non-discretionary "pass/fail" criterion, as stated in the Request for Expression of Interest, and shall be determined as either "eligible" or "ineligible." If a prospective bidder submits the specific short-listing document required, it shall be rated "passed" for that particular requirement. In this regard, failure to submit a requirement, or an incomplete or patently insufficient submission, shall be considered "failed" for the particular eligibility requirement concerned. If a prospective bidder is rated "passed"

for all the eligibility requirements, it shall be considered eligible to participate in the bidding, and the BAC shall mark the set of short-listing documents of the prospective bidder concerned as “eligible.” If a prospective bidder is rated “failed” in any of the eligibility requirements, he shall be considered ineligible to participate in the bidding, and the BAC shall mark the set of short-listing documents of the prospective bidder concerned as “ineligible.” In either case, the BAC chairperson or his duly designated authority shall countersign the markings.

#### **9) Short-Listing of Consultants**

- 9.1 Only prospective bidders whose submitted contracts are similar in nature and complexity to the contract to be bid as provided in the **SDS** shall be considered for short-listing.
- 9.2 The BAC shall draw up the short-list of prospective bidders from those declared eligible using the detailed set of criteria and rating system to be used specified in the **SDS**.
- 9.3 Short-listed consultants shall be invited to participate in the bidding for this project through a Notice of Eligibility and Short-Listing issued by the BAC.

#### **10) Protest Mechanism**

Decisions of the Procuring Entity at any stage of the procurement process may be protested to the HoPE; Provided, that a prior request for reconsideration should have been filed by the party concerned to the BAC and the same has been resolved.

### ***Section III. Short-listing Data Sheet***

#### **Notes on the Short-listing Data Sheet**

This Section is intended to assist the Procuring Entity in providing the specific information and requirements in relation to corresponding clauses in the short-listing documents, and has to be prepared for each specific procurement.

## Short-listing Data Sheet

Short-listing Documents	
1.2	<p>The project aims to:</p> <ol style="list-style-type: none"> <li>1. Conduct a LiDAR-based topographic survey of the PNOC Industrial Park (PIP) covering more than 500 hectares;</li> <li>2. Generate updated and reliable geospatial and topographic datasets for planning, development, and engineering purposes;</li> <li>3. Produce terrain and surface models, orthophotos, contour maps, and related mapping outputs;</li> <li>4. Establish the necessary ground control and validation points tied to the applicable Philippine reference system;</li> <li>5. Provide PNOC with complete survey outputs in five (5) sets of hard and soft copies in formats compatible with GIS and CAD platforms; and</li> <li>6. Generate terrain and elevation data that will assist PNOC in evaluating and planning the development of the land area.</li> </ol>
1.3	No further instructions.
2.1 (b)	The statement of all ongoing and completed government and private contracts shall include all such contracts <b>within ten (10) years</b> prior to the deadline for the submission and receipt of short-listing documents.
2.1 (b) (vii)	<p>Acceptable proof of satisfactory completion of completed contracts:</p> <ol style="list-style-type: none"> <li>a. Certificate of Completion / Acceptance</li> </ol>
4.2	Each prospective bidder shall submit <b>one (1) original and two (2) copies of its eligibility documents.</b>
4.3 (c)	<p>Bids and Awards Committee of the Procuring Entity concerned with the Project.</p> <p style="text-align: center;"><b>ATTY. JOSEPHINE CASSANDRA J. CUI</b>            Chairperson            Bids and Awards Committee            Philippine National Oil Company            G/F PNOC Bldg. 6, Energy Center, Rizal Drive,            Bonifacio Global City, Taguig City</p>
4.3 (d)	<p>Project Title: <b>Consulting Services for the Conduct of Aerial LiDAR Survey Services for PNOC Industrial Park, Limay – Mariveles, Bataan</b></p> <p>Request for Expression of Interest No. <b>2026-05-061</b></p>
5	<p>The address for submission of short-listing documents is at the <b>PNOC Building 6, Energy Center, Rizal Drive, Bonifacio Global City, Taguig City.</b></p> <p>The deadline for submission of short-listing documents is <b>June 22, 2026 (10:00 AM PST).</b></p>

8.1	<p>The place of opening of short-listing documents is at the <b>PNOB Building 6, Energy Center, Rizal Drive, Bonifacio Global City, Taguig City.</b></p> <p>The date and time of opening of short-listing documents is <b>June 22, 2026 (immediately after deadline of submission).</b></p>						
9.1	<p>Similar contracts shall refer to <b>involving LiDAR survey, aerial topographic mapping, or large-area geospatial survey completed within ten (10) years</b> before the deadline for the submission and receipt of documents.</p> <p><b>Ongoing projects similar to the contract with ≥50% completion shall be considered for the purpose of ranking and scoring during shortlisting.</b></p>						
9.2	<p>All bidders shall be pre-qualified/shortlisted based on the criteria showed below. The bidders shall be ranked based on the ratings from the shortlisting process. Only the top three-(3) bidders garnering at least <u>60% out of 100%</u> will be requested to submit the Technical and Financial Proposal. If only one applicant (or fewer than the required number) passes the eligibility check and/or meets the minimum shortlisting score, the Bids and Award Committee (BAC) shall allow them to proceed and submit their technical and financial proposals. However, in the event of a tie in scores at any ranking level within the top three (3), all service provider with the same score shall be included in the shortlist, even if this results in more than three (3) shortlisted service provider</p> <table border="1" data-bbox="438 1234 1385 2004"> <thead> <tr> <th data-bbox="438 1234 1088 1294">CRITERIA FOR SHORTLISTING</th> <th data-bbox="1088 1234 1385 1294">Percentage</th> </tr> </thead> <tbody> <tr> <td data-bbox="438 1294 1088 1827">           1. Applicable Years of Experience and Track Record of the Service Provider/Firm:           <ul style="list-style-type: none"> <li>1.1 <i>Applicable years of experience and track record of the service provider</i></li> <li>1.2 <i>Number of completed<sup>1</sup> or on-going (≥ 50% physically completed<sup>2</sup> to be considered) government and/or private sector similar related projects</i></li> <li>1.3 <i>Number of completed<sup>1</sup> or ongoing (≥ 50% physically completed<sup>2</sup> to be considered) government and/or private sector other surveying projects.</i></li> </ul> </td> <td data-bbox="1088 1294 1385 1827">           40  20  15  5         </td> </tr> <tr> <td data-bbox="438 1827 1088 2004">           2. Qualification of Personnel to be assigned to the Project           <ul style="list-style-type: none"> <li>2.1 <i>Relevant credentials (specialization /relevant professional degrees or</i></li> </ul> </td> <td data-bbox="1088 1827 1385 2004">           40  5         </td> </tr> </tbody> </table>	CRITERIA FOR SHORTLISTING	Percentage	1. Applicable Years of Experience and Track Record of the Service Provider/Firm: <ul style="list-style-type: none"> <li>1.1 <i>Applicable years of experience and track record of the service provider</i></li> <li>1.2 <i>Number of completed<sup>1</sup> or on-going (≥ 50% physically completed<sup>2</sup> to be considered) government and/or private sector similar related projects</i></li> <li>1.3 <i>Number of completed<sup>1</sup> or ongoing (≥ 50% physically completed<sup>2</sup> to be considered) government and/or private sector other surveying projects.</i></li> </ul>	40  20  15  5	2. Qualification of Personnel to be assigned to the Project <ul style="list-style-type: none"> <li>2.1 <i>Relevant credentials (specialization /relevant professional degrees or</i></li> </ul>	40  5
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	<p><i>certificate or diploma and previous work experience.</i></p> <p>2.2 <i>Specialized professional training /Certifications and/or participation in international, multi-lateral sponsored projects.</i></p> <p>2.3 <i>Previous engagement in a similar /related identical project.</i></p>	<p>5</p> <p>30</p>
	<p>3. Current Workload Relative to Capacity</p> <p>3.1 Resources Availability (Adequacy of equipment, software, and tools specific to the conduct of the technical requirements)<sup>3</sup>.</p> <p>3.2 Team availability (availability of key personnel with adequate time commitment for the project).</p>	<p>20</p> <p>10</p> <p>10</p>
	<b>TOTAL</b>	<b>100</b>
	<p>Note: <sup>1</sup> Certificate of Completion or Acceptance</p> <p><sup>2</sup> Client Progress Acceptance/Milestone Acceptance Certificate proving <math>\geq 50\%</math> Completion</p> <p><sup>3</sup> List with proof of ownership of tools and software or binding lease/LOI covering duration. Failure to submit the required list shall be ground for disqualification.</p> <p><i>Please refer to the attached "Detailed Rating Parameters for Shortlisting Criteria" for the scoring and rating for each evaluation criterion.</i></p>	
	<p><b>(Please see Section VI. Terms of Reference for the detailed breakdown of the scoring and rating for each evaluation criterion)</b></p>	

## **Section VI. Terms of Reference**

### **Procurement of Aerial LiDAR Survey Services for PNOC Industrial Park, Limay- Mariveles, Bataan**

<b>Approved Budget for the Contract (ABC)</b>	<b>PHP 6,000,000.00</b>
Contract Duration	60 Calendar Days
Survey Area	More than 500 hectares
Required Accuracy	+/-1.0 meter H & V

#### **1. Project Title**

Consulting Services for the Conduct of Aerial LiDAR Survey Services (Service Provider) for the PNOC Industrial Park, Limay - Mariveles, Bataan.

#### **2. Background and Rationale**

The Philippine National Oil Company (PNOC), in support of its asset optimization and development initiatives for the PNOC Industrial Park (PIP) in Limay-Mariveles, Bataan, requires updated and reliable topographic and terrain information to support land use planning, infrastructure development, locator planning, drainage assessment, engineering studies, and other technical requirements.

Considering the size of the PNOC Industrial Park, covering more than five hundred (500) hectares, PNOC intends to procure the services of a qualified survey firm to undertake a LiDAR (Light Detection and Ranging) survey, including aerial data acquisition, establishment of survey controls, data processing, orthophoto generation, terrain modeling, and preparation of topographic mapping outputs.

The resulting geospatial datasets and maps shall serve as technical reference materials for planning, project development, estate management, future engineering activities, and the estimation of development costs, particularly for grading, leveling, cut-and-fill balancing, and other earthworks within the PNOC Industrial Park.

#### **3. Objectives**

The project aims to:

1. Conduct a LiDAR-based topographic survey of the PNOC Industrial Park (PIP) covering more than 500 hectares;
2. Generate updated and reliable geospatial and topographic datasets for planning, development, and engineering purposes;

3. Produce terrain and surface models, orthophotos, contour maps, and related mapping outputs;
4. Establish the necessary ground control and validation points tied to the applicable Philippine reference system;
5. Provide PNOC with complete survey outputs in five (5) sets of hard and soft copies in formats compatible with GIS and CAD platforms; and
6. Generate terrain and elevation data that will assist PNOC in evaluating and planning the development of the land area.

## 4. Project Area

The survey area shall cover the PNOC Industrial Park in Limay-Mariveles, Bataan (figure 1), with an aggregate land area of more than 500 hectares, including all parcels, access roads, open spaces, built-up areas, drainage corridors, and other areas as may be identified by PNOC.



Figure 1. PNOC Industrial Park (project areas in yellow line)

The final site boundary, project limits, and reference maps or shapefiles shall be provided by PNOC to the winning bidder prior to mobilization.

## 5. Approved Budget for the Contract (ABC)

The Approved Budget for the Contract (ABC) is: **SIX (6) MILLION PESOS PHP 6,000,000.00**

This amount is inclusive of all applicable taxes, mobilization, demobilization, labor, equipment, transportation, fuels, software, permits, insurance, processing, report preparation, and all incidental expenses necessary for the complete delivery of the required services.

## 6. Duration of the Contract

The project shall be completed within Sixty- (60) calendar days, inclusive of holidays and ten (10) allowable days for rainy, windy weather conditions and safety constraints during which the survey crew may be unable to launch the drone/aerial equipment, reckoned from receipt of the Notice to Proceed (NTP).

In cases where drone operations cannot be conducted due to weather, safety, airspace restrictions, or other valid operational constraints, the Service Provider shall notify PNOC in writing and secure (on the day) approval prior to rescheduling survey activities. Any additional delays beyond the allowable ten (10) days shall require written justification by the Service Provider and any extension is subject to approval of PNOC.

The indicative implementation schedule is as follows:

Implementation Milestone	Target Completion
Mobilization and inception meeting	Day 1 - 7
Ground control and validation survey	Day 8 – 60
LiDAR data acquisition / aerial survey	
Data processing and generation of initial outputs	
Submission and presentation of draft outputs	
Submission of final outputs	Day 60

The winning bidder shall submit a detailed project implementation schedule (daily from 0 – 60 days) in Gantt Chart format, indicating daily activities, key milestones, deliverables and corresponding timelines, within five (5) calendar days from receipt of the Notice to Proceed (NTP) subject to review and approval by PNOC prior to project implementation.

The Service Provider shall notify PNOC immediately of any delay and propose remedial measures.

## 7. Scope of Work

The Service Provider shall undertake all activities necessary to complete the LiDAR survey services, including but not limited to the following:

### 7.1 Pre-Survey and Mobilization Activities

- a. Conduct reconnaissance and coordination meetings with PNOC;

- b. Review the project site, boundaries, existing maps, and available reference information;
- c. Prepare and submit a detailed Survey Work Plan, methodology, implementation schedule, and flight plan; and
- d. Secure all necessary permits, clearances, and flight authorizations, where applicable.

## **7.2 Establishment of Survey Controls**

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- a. Establish ground control points (GCPs), check points, and benchmarks necessary for georeferencing and validation;
- b. Tie all controls to the applicable Philippine reference system and appropriate vertical datum; and
- c. Conduct GNSS (Global Navigation Satellite System) / RTK (Real-Time Kinematic) / conventional survey work as required.

## **7.3 LiDAR Data Acquisition**

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- a. Undertake aerial LiDAR survey over the entire project area;
- b. Ensure complete and continuous coverage of the project site;
- c. Acquire data under suitable weather and visibility conditions; and
- d. Ensure adequate overlap, point density, and coverage to satisfy the required output specifications.

## **7.4 Aerial Imaging and Orthophoto Generation**

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- a. Capture aerial imagery over the project area as necessary for orthophoto generation; and
- b. Process the imagery into georeferenced orthophotos/orthomosaics.

## **7.5 Data Processing and Classification**

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- a. Download, clean, process, and classify the LiDAR point cloud data;
- b. Classify data into appropriate feature classes such as ground, vegetation, structures, and other relevant categories;
- c. Generate Digital Terrain Models (DTM), Digital Surface Models (DSM), contour maps, and topographic base maps; and
- d. Perform editing, correction, and refinement of outputs prior to submission.

## **7.6 Accuracy Validation and Quality Assurance**

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- a. Conduct validation and accuracy assessment using independent check points;
- b. Verify compliance with the required horizontal and vertical accuracy standards; and
- c. Reprocess and correct data as necessary to ensure compliance with this Scope of Work.

## **7.7 Preparation of Maps and Final Datasets**

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The Service Provider shall prepare and submit final survey outputs, maps, technical reports, and digital datasets in the required formats and specifications as described in Sections 8 and Section 9.

## 8. Minimum Technical Requirements

The LiDAR survey services shall meet, at a minimum, the following technical requirements:

### 8.1 Reference System

Parameter	Requirement
Horizontal Datum	PRS92 coordinates or currently applicable Philippine geodetic reference system
Vertical Datum	Applicable national or local vertical datum, to be agreed with PNOC
Projection	Applicable UTM (Universal Transverse Mercator) Zone 51 for Limay - Mariveles, Bataan

### 8.2 Accuracy Requirements

Accuracy Type	Minimum Requirement
Horizontal Accuracy	Not worse than +/-1.0 meter
Vertical Accuracy	Not worse than +/-1.0 meter

### 8.3 LiDAR Point Density

Minimum average point density: 50 points per square meter, or higher as may be proposed by the bidder to satisfy the required outputs.

### 8.4 Contour Interval

Contour maps shall have a 1.0-meter contour interval, unless PNOC directs otherwise for specific portions of the site.

### 8.5 Orthophoto Resolution

Orthophotos/orthomosaics shall have a resolution of at least 10 cm to 15 cm Ground Sample Distance (GSD), or better.

### 8.6 Mapping Scale

The resulting topographic maps shall be suitable for planning and general engineering reference, at a scale of at least 1:1,000, or as otherwise required by PNOC.

### 8.7 Output Formats

Outputs shall be submitted in editable and commonly usable formats, including but not limited to:

Output Type	Accepted Format(s)
LiDAR Point Cloud	LAS / LAZ
CAD Drawings	DWG / DXF
GIS Files	SHP / GeoPackage / KML
Raster Models / Orthophotos	GeoTIFF
Reports / Documents	PDF and editable format (DOCX)
Tables / Databases	CSV (Comma-Separated Values)

## 9. Deliverables

### 9.1 Inception Deliverables

Due within seven (7) calendar days from receipt of Notice to Proceed:

- Inception Report;
- Detailed Survey Methodology and Work Plan;
- Flight Plan / Acquisition Plan;
- Detailed Project Schedule; and
- List of Key Personnel and Equipment.

### 9.2 Interim Deliverables

During project implementation:

- Progress Reports (submitted as agreed);
- Ground Control Survey Report;
- Data Acquisition Report; and
- Preliminary processed outputs for review by PNOC.

### 9.3 Final Deliverables

At project completion (within 75 calendar days from NTP):

- Final Technical Report;
- Survey Control and Validation Report;
- LiDAR Data Acquisition and Processing Report;
- Accuracy Assessment Report;
- Georeferenced Orthophoto / Orthomosaic;
- Classified LiDAR Point Cloud Dataset;
- Digital Terrain Model (DTM) in GeoTIFF, SHP and KML format;
- Digital Surface Model (DSM);
- Contour Maps (1.0-meter interval);
- Topographic Base Map of the entire project area;

- Spot Elevation Points and Benchmark Inventory;
- GIS-ready and CAD-ready files;
- Metadata and documentation for all datasets;
- Hard copy maps, signed and sealed by the duly licensed Geodetic Engineer;
- Soft copies of all outputs in an external storage device and/or digital repository acceptable to PNOC; and
- Estimation of development costs for grading, levelling, cut-and fill balancing and other earthworks within the project area (BOQ per area).

## 10. Minimum Equipment and Software

- LiDar
- Airplane/Drone
- Software (provide list)
- Other equipment necessary for the completion of the project (provide list)

Provide detailed specifications for all proposed equipment and software, including the make/brand, model, version, key technical features, and performance parameters. All submissions must clearly indicate the version and be compliant with the required standards and project requirements.

## 11. Qualification Requirements of the Service Provider

The bidder must possess the following minimum qualifications:

- Must be a duly registered entity legally authorized to provide surveying and geospatial services in the Philippines;
- Must have at least three (3) relevant experience in LiDAR survey, aerial mapping, topographic survey, or geospatial data processing;
- Must have successfully completed at least one (1) similar contract involving LiDAR survey, aerial topographic mapping, or large-area geospatial survey (more than 500 hectare).
- Must have a duly licensed Geodetic Engineer with valid professional license who shall sign and seal the final outputs;
- Must have access to the required LiDAR platform, aerial survey equipment, GNSS instruments, and data processing software; and
- Must have sufficient technical personnel to undertake field survey, data processing, GIS/CAD production, and QA/QC (Quality Assurance /Quality Control)

The service provider should meet all the requirements set by the New Government Procurement Act (RA12009) to be eligible to participate in the procurement.

### A. Eligibility of the prospective bidder/s

To determine if the prospective bidder is eligible to participate in this bidding, legal, technical, and financial documents shall be submitted, as stated in the Request for Expression of Interest (Part I) and invitation to Bid (Part II), and required documents pursuant to New Government Procurement Act.

### B. Criteria for the Shortlisting of Eligible Bidders

All bidders shall be pre-qualified/shortlisted based on the criteria showed below. The bidders shall be ranked based on the ratings from the shortlisting process. Only the top three-(3) bidders garnering at least 60% out of 100% will be requested to submit the Technical and Financial Proposal. If only one applicant (or fewer than the required number) passes the eligibility check and/or meets the minimum shortlisting score, the Bids and Award Committee (BAC) shall allow them to proceed and submit their technical and financial proposals. However, in the event of a tie in scores at any ranking level within the top three (3), all service provider with the same score shall be included in the shortlist, even if this results in more than three (3) shortlisted service provider.

<b>CRITERIA FOR SHORTLISTING</b>	<b>Percentage</b>
1. Applicable Years of Experience and Track Record of the Service Provider/Firm: <ul style="list-style-type: none"> <li>1.1 Applicable years of experience and track record of the service provider</li> <li>1.2 Number of completed<sup>1</sup> or on-going (<math>\geq 50\%</math> physically completed<sup>2</sup> to be considered) government and/or private sector similar related projects</li> <li>1.3 Number of completed<sup>1</sup> or ongoing (<math>\geq 50\%</math> physically completed<sup>2</sup> to be considered) government and/or private sector other surveying projects.</li> </ul>	40  20  15  5
2. Qualification of Personnel to be assigned to the Project <ul style="list-style-type: none"> <li>2.1 Relevant credentials (specialization/relevant professional degrees or certificate or diploma and previous work experience</li> <li>2.2 Specialized professional training/Certifications and/or participation in international, multi-lateral sponsored projects.</li> <li>2.3 Previous engagement in a similar/related identical project</li> </ul>	40  5  5  30
3. Current Workload Relative to Capacity <ul style="list-style-type: none"> <li>3.1 Resources Availability (Adequacy of equipment, software, and tools specific to the conduct of the technical requirements)<sup>3</sup></li> <li>3.2 Team availability (availability of key personnel with adequate time commitment for the project)</li> </ul>	20  10  10
<b>TOTAL</b>	<b>100</b>
Note: <sup>1</sup> Certificate of Completion or Acceptance <sup>2</sup> Client Progress Acceptance/Milestone Acceptance Certificate proving $\geq 50\%$ Completion <sup>3</sup> List with proof of ownership of tools and software or binding lease/LOI covering	

duration. Failure to submit the required list shall be ground for disqualification. Please refer to the attached "Detailed Rating Parameters for Shortlisting Criteria" for the scoring and rating for each evaluation criterion.

### Detailed Rating Parameters for Shortlisting Criteria

CRITERIA FOR THE SHORTLISTING OF BIDDERS					
CRITERIA	Wt %	Unit of Measure	SCORING POINTS		
			6	8	10
1.Applicable Years of Experience and Track Record of the Service Provider/Firm	40				
1.1 Applicable years of experience and track record of the service provider	20	Number of Years	3 – 5	6 -10	11 and above
1.2 Number of completed <sup>1</sup> or on-going (≥ 50% physically completed <sup>2</sup> to be considered) government and/or private sector similar related projects	15	Number of Projects	1	2	3 or more
1.3 Number of completed <sup>1</sup> or ongoing (≥ 50% physically completed <sup>2</sup> to be considered) government and/or private sector other surveying projects.	5	Number of Projects	1 (minimum)	2	3 or more
<p>1- Certificate of completion or acceptance            2- Client Progress Acceptance/Milestone Acceptance Certificate proving ≥ 50% completion</p> <p>Notes for item (1):</p> <p>a. Items (1.1) and (1.3) - Failure to meet the minimum shall results in a score of zero (0). However, this shall not constitute a ground for disqualification.</p> <p>b. Item (1.2) – Absence of at least one (1) similar related project shall deemed non-compliance with the Terms of Reference (TOR) requirements and <b>shall be a ground for outright disqualification of the bidder.</b></p>					
2. Qualification of Personnel to be assigned to the Project	40				

2.1 Relevant credentials (specialization/ relevant professional degrees or certificate and previous work experience	5				
a. Educational Attainment	2.5		HS/College/	MS/MA	PhD/Certificate
b. Work Experience	2.5	Years of experiences of personnel	2 to 5	6 to 10	above 10
2.2 Specialized professional training and/or participation in international, multi-lateral sponsored projects.	5	Hours of Training/ Seminar Attended	8 hrs	16 hrs	above 16 hrs
2.3 Previous engagement in a similar/related identical project	30	Number of Years	3 – 5	6 -10	above 10
<p>Notes:</p> <ol style="list-style-type: none"> <li>1. Item 2.1 (b), if any <b>Team Member falls below the minimum years of experience</b> stated in the TOR, <b>it shall be considered non-compliance with the requirements, and the bidder shall be disqualified.</b></li> <li>2. Item 2.2, if the training attended is below 8-hours and/or no list of training is provided, the score shall be zero (0); however, this will not result in disqualification. Specialize training is not limited to those related identical project. Any specialize or training that enhances or support and/or safety, health and security of the individual's role in the Team shall be considered and acceptable.</li> <li>3. Item 2.3, if below three (3) years and/or no list provided, the score shall be zero (0); however, this will not result in disqualification.</li> </ol>					
3.Current Workload Relative to Capacity	20				
3.1 Resource Availability (Adequacy of equipment, software, and tools specific to the conduct of the technical requirements.	10	Resource Availability	List of all equipment and softwares, indicating OWNED or to be leased		List with proof of ownership of equipment and software or binding lease/LOI covering duration
3.2 Team availability (availability of key personnel with adequate	10	Number of concurrent projects of	7 above	4 - 6	Less than 3

time commitment for the project)		key personnel			
Note: <i>Item 3.1, failure to submit the required list shall be a ground for disqualification</i>					

C. Criteria and Scoring System for the Evaluation of Technical and Financial Bids

The evaluation shall be based on the quality-cost based evaluation (QCBE) procedure wherein the Technical Proposal together with the Financial Proposal shall be considered.

CRITERIA	PERCENTAGE
1. Technical Proposal	80%
2. Financial Proposal	20%
<b>TOTAL</b>	<b>100%</b>

The bidder must possess the following minimum qualifications:

- Must be a duly registered entity legally authorized to provide surveying and geospatial services in the Philippines;
- Must have at least three (3) years of relevant experience in LiDAR survey, aerial mapping, topographic survey, or geospatial data processing;
- Must have successfully completed at least one (1) similar contract involving LiDAR survey, aerial topographic mapping, or large-area geospatial survey;
- Must have a duly licensed Geodetic Engineer with valid professional license who shall sign and seal the final outputs;
- Must have access to the required LiDAR platform, aerial survey equipment, GNSS instruments, and data processing software; and
- Must have sufficient technical personnel to undertake field survey, data processing, GIS/CAD production, and QA/QC (Quality Assurance/Quality Control).

## TECHNICAL AND FINANCIAL EVALUATION (for Short-listed Consultants)

### 1. Technical Proposal – 80%

#### 1.1 Plan of approach and methodology – 40%

Criteria	Weight	Score	Description /Characteristics
Approach and methodology	20%	6 – 8	Lacks a structured methodology; missing key elements such as risk assessment, qualitative/quantitative evaluations, or project execution strategies
		9 - 11	Basic methodology with minimal integration of qualitative and quantitative assessments; risk management approach is weak or generic.
		12 - 14	Methodology is clear and includes moderate qualitative and quantitative assessments; risk management is defines but lacks depth

		15 – 17	Well-structured methodology with strong qualitative and quantitative assessments; risk mitigation strategies are well-defined and applicable
		18 – 20	Comprehensive and innovative methodology with detailed qualitative and quantitative assessments; risk management is proactive, data-driven and adaptable to project conditions
Workplan and manpower schedule	20%	6 – 8	Work program and schedule are vague or incomplete; lacks logical sequencing of activities
		9 -11	Basic work plan with a general structure but lacks specificity in activity timelines and dependencies.
		12 – 14	Workplan program is well-defined with a clear activity schedule, showing logical progression and key milestones
		15 - 17	Detailed and realistic work plan with clearly structured and activities, dependencies, and resource allocation
		18 - 20	Highly detailed, optimized, and efficient work plan, with well-integrated scheduling, resource planning and risk-adjusted contingencies.

1.2 Technical expertise and qualification of team members/personnel – 40%

1.2.1 Educational Attainment – 5%

Team Members	SCORING POINTS		
	6	8	10
1. Project Manager	Bachelor of Science in Civil Engineering/or Geodetic Engineering	MS or MA degree holder	Ph degree holder or attended specialized Certification in LiDAR Technology (data acquisition, processing, classification, mapping, etc)
2. Survey Team Leader	Bachelor of Science in Civil Engineering/ or Geodetic Engineering	MS or MA degree holder	Ph degree holder or attended specialized Certification in LiDAR Technology (data acquisition, processing, classification, mapping, etc)

3. LiDAR and Data Processing Specialist	Any College Degree or technical course/diploma	LiDAR Data Acquisition and Processing Certification or Airborne and/or UAV LiDAR Operations Certification	Digital Terrain Model (DTM) and Digital Surface Model (DSM) Generation/ GIS or any related Software Certification
4. Data Management/ IT Specialist	Any college Degree or technical course/diploma	Geospatial Data Management and Organization Certificate/LiDAR Data Storage and File Management Certification	Cloud Storage and Data Synchronization Certification or any related software Certification
5. UAV/UAS Mission Planner & Operator	At least High School Graduate (old curriculum)	UAV/UAS Flight Planning Mission Design Certification	LiDAR-based UAV Survey Operation Certification and any related Certification as the UAV/UAS Mission Planner & Operator
6. Field Survey/GNSS Crew # 1	At least High School Graduate (old curriculum)	GNSS/GPS Survey Operations Certification	Survey Accuracy Standards and Quality Control Certification
7. Field Survey/GNSS Crew # 2	At least High School Graduate (old curriculum)	GNSS/GPS Survey Operations Certification	Survey Accuracy Standards and Quality Control Certification
8. Field Survey/GNSS Crew # 3	At least High School Graduate (old curriculum)	GNSS/GPS Survey Operations Certification	Survey Accuracy Standards and Quality Control Certification

1.2.2 Number of Specialized Training acquired – 5%

Team Member	Unit Measurement	SCORING POINTS			
		6 - 8	9 - 11	12 - 14	15
1. Project Manager	Number of Hours of Seminar/Training Attended	At least 40 hrs	41 – 60 hrs	61 – 80 hrs	81 hrs and above
2. Survey Team Leader	Number of Hours of Seminar/ Training Attended	At least 40 hrs	41 – 60 hrs	61 – 80 hrs	81 hrs and above

3. LiDAR and Data Processing Specialist	Number of Hours of Seminar/ Training Attended	At least 16 hrs	17 – 40 hrs	41 – 60 hrs	61 hrs and above
4. Data Management/ IT Specialist	Number of Hours of Seminar / Training Attended	At least 16 hrs	17 – 40 hrs	41 – 60 hrs	61 hrs and above
5. UAV/UAS Mission Planner & Operator	Number of Hours of Seminar / Training Attended	At least 16 hrs	17 – 40 hrs	41 – 60 hrs	61 hrs and above
6. Field Survey/GNSS Crew # 1	Number of Hours of Seminar/ Training Attended	At least 8 hrs	9 – 16 hrs	17 – 40 hrs	41 hrs and above
7. Field Survey/GNSS Crew # 2	Number of Hours of Seminar /Training Attended	At least 8 hrs	9 – 16 hrs	17 – 40 hrs	41 hrs and above
8. Field Survey/GNSS Crew # 3	Number of Hours of Seminar Attended	At least 8 hrs	9 – 16 hrs	17 – 40 hrs	41 hrs and above
<p><i>Note: For item 1.2.2 if NO seminar/training or below the required minimum, the bidder shall be assigned a score of zero (0); however, this shall <b>NOT</b> be a ground for disqualification. Seminar/Training in safety and health/security/Environment is considered.</i></p>					

1.2.3 Previous engagement in similar/related/identical projects – 30%

Team Member	Unit Measurement	SCORING POINTS			
		0	9 - 11	12 - 14	15
1. Project Manager	Years of Experience	Below 5 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION</b> ”	5 years	6 – 10 year	Above 10 years
2. Survey Team Leader	Years of Experience	Below 3 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION</b> ”	3 years	4 - 6 years	Above 6 years
3. LiDAR and Data Processing Specialist	Years of Experience	Below 3 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION</b> ”	3 years	4 - 6 years	Above 6 years
4. Data Management/ IT Specialist	Years of Experience	Below 2 years “ <b>NON COMPLIANCE –</b> ”	2 years	3 – 5 years	Above 5 years

		<b>GROUND FOR DISQUALIFICATION”</b>			
5. UAV/UAS Mission Planner & Operator	Years of Experience	Below 5 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION”</b>	5 years	6 – 10 year	Above 10 years
6. Field Survey/GNSS Crew # 1	Years of Experience	Below 2 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION”</b>	2 years	3 – 5 years	Above 5 years
7. Field Survey/GNSS Crew # 2	Years of Experience	Below 2 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION”</b>	2 years	3 – 5 years	Above 5 years
8. Field Survey/GNSS Crew # 3	Years of Experience	Below 2 years “ <b>NON COMPLIANCE – GROUND FOR DISQUALIFICATION”</b>	2 years	3 – 5 years	Above 5 years

### 1.3 Firm Experience and Qualification – 20%

Criteria	Weight	Unit of Measure - ments	Scoring Points				
			4 - 7	8 - 12	13 - 15	16 -19	20
1. Applicable Years of Experience and Track Record of the Consultancy Management Services	5 %	Number of Years	3 to 5 years	6 to 10 years	11 to 15 years	16 to 20 years	More than 20 years
2. Number of Government and Privates Completed <sup>1</sup> and on-going (≥ 50% completed) <sup>2</sup> similar/ related project	10%	Number of Projects	1	2	3	4	5
3. Number of Government and Privates Completed <sup>1</sup> and on-going (≥ 50% completed) <sup>2</sup> other surveying projects	5%	Number of Projects	1	2	3	4	5
Note: <sup>1</sup> - Certificate of Completion or Acceptance <sup>2</sup> - Client Progress Acceptance/Milestone Acceptance Certificate proving ≥ 50% Completion							

**2 FINANCIAL COMPENENT – 20 %**

- i. The Approved Budget for the Contract (ABC) shall be the upper limit or ceiling for the acceptable Financial Proposal. Any Financial Proposal received in excess of ABC shall be automatically rejected;
- ii. The Financial Proposal shall be computed as follows:
  - a. The lowest Financial Proposal shall receive the maximum score of 20%.
  - b. The score of the other Financial Proposals shall be computed using the formula:

$$Financial\ Score = \frac{Lowest\ Financial\ Proposal}{Financial\ Proposal\ of\ the\ Proponent} \times 100 \times 20\%$$

**3 OVERALL RATING.**

The overall rating of the proponent shall be the sum of the ratings earned for the TECHNICAL PROPOSAL and FINANCIAL PROPOSAL. The contract shall be awarded to the highest rate point.

The overall Rating shall be computed using the formula:

$$Overall\ Rating = (technical\ points\ X\ 80\%) + Financial\ Score$$

**12. Key Personnel**

The Service Provider shall provide the following key personnel, at a minimum:  
Use the PNOG Format of Curriculum Vitae (CV) for proposed professional staff.

Position/Role	Minimum Qualifications & Responsibilities	Key Software Proficiencies	Experience Requirements
1. Project Manager	<ul style="list-style-type: none"> <li>• Licensed Geodetic Engineer</li> <li>• At least five (5) years managing LiDAR or aerial survey contracts</li> <li>• Proven track record in project delivery and client coordination</li> <li>• QA/QC role independent of production team</li> <li>• Verifies accuracy of point clouds, DTM/DSM and GIS outputs</li> <li>• Ensures compliance with project specifications and standards</li> </ul>	<ul style="list-style-type: none"> <li>• MS Project</li> <li>• AutoCAD</li> <li>• QGIS</li> <li>• Global Mapper</li> <li>• Cloud compare</li> </ul>	Minimum five-(5) years

	<ul style="list-style-type: none"> <li>Reviews deliverables prior to client submission</li> </ul>		
2. Survey Team Leader	<ul style="list-style-type: none"> <li>Licensed Geodetic Engineer</li> <li>Leads field survey operations and QA/QC Validation</li> <li>Sign and seals final survey outputs</li> <li>Familiar with NAMRIA datum and standards</li> </ul>	<ul style="list-style-type: none"> <li>Trimble Business Center</li> <li>AutoCAD</li> </ul>	Minimum three (3) years
3. LiDAR and Data Processing Specialist	<ul style="list-style-type: none"> <li>Handles airborne LiDAR acquisition and point cloud processing</li> <li>Proficient in photogrammetry and orthophoto/DTM/DSM generation</li> <li>Experienced in LAS/LAZ format deliverables</li> <li>Produces GIS layers, topographic base maps, and CAD drawings</li> <li>Proficient in spatial data, management and geodatabase creation</li> <li>Prepared final map layouts and cartographic outputs</li> </ul>	<ul style="list-style-type: none"> <li>TerraSolid</li> <li>Microstation</li> <li>Agisoft Metashape</li> <li>Pix4D</li> <li>Global Mapper</li> <li>AutoCAD Civil 3D</li> <li>QGIS</li> </ul>	<ul style="list-style-type: none"> <li>Minimum three-(3) years</li> </ul>
4. Data Management/ IT Specialist	<ul style="list-style-type: none"> <li>Manages large-volume LiDAR datasets and storage architecture</li> <li>Handles back-up protocols and data security procedures</li> <li>Coordinates data delivery in required formats (LAS, GeoTIFF, SHP, DWG)</li> </ul>	<ul style="list-style-type: none"> <li>SQL/ GeoDatabase</li> <li>FME</li> <li>AWS/Cloud Storage</li> </ul>	<ul style="list-style-type: none"> <li>Minimum 2 years</li> </ul>
5. UAV/UAS Mission Planner & Operator	<ul style="list-style-type: none"> <li>RPA Controller Certified (CAAP)</li> <li>Plans flight paths, manages airspace</li> </ul>	<ul style="list-style-type: none"> <li>Flight Hub</li> <li>UgCS</li> <li>QGroundControl</li> </ul>	<ul style="list-style-type: none"> <li>Minimum five (5) years</li> </ul>

	coordination, and NOTAM compliance <ul style="list-style-type: none"> <li>Operates fixed-wing and rotary UAV platforms</li> <li>Experienced in multi-sensor payload deployment</li> </ul>	<ul style="list-style-type: none"> <li>Pix4D Capture</li> <li>QBase Quantum Systems</li> </ul>	
6. Field Survey/GNSS Crew #1,2, 3 (3 individual CVs)	<ul style="list-style-type: none"> <li>Conducts GCP establishment and check point surveys</li> <li>Performs GNSS/RTK field work</li> <li>Experienced in ground control operations and field data collection</li> </ul>	<ul style="list-style-type: none"> <li>Trimble Business Center</li> <li>GNSS/RTK Equipment</li> <li>Field data collectors</li> </ul>	<ul style="list-style-type: none"> <li>Minimum two (2) years</li> </ul>

PNOC reserves the right to review and approve the qualifications of the proposed key personnel prior to deployment.

### 13. Responsibilities of the Service Provider

The Service Provider shall:

- Perform the services in accordance with accepted professional standards and this Scope of Work;
- Provide all manpower, equipment, surveying instrument, software, transportation, permits, and materials necessary for the completion of the project;
- Coordinate regularly with PNOC-designated representatives and attend meeting called by the PNOC;
- Ensure the completeness, consistency, and technical correctness of all outputs;
- Observe and comply all PNOC applicable safety, security, environment and confidentiality requirements;
- Correct and resubmit, at no additional cost to PNOC, any output found to be deficient or non-compliant with this Scope of Work; and
- Submit all deliverables within the prescribed period.

### 14. Responsibilities of PNOC

PNOC shall:

- Provide the project boundaries, available base maps, and relevant site information;
- Designate focal persons for coordination and review of deliverables;
- Facilitate reasonable access to the project site, subject to site safety and security rules;
- Review submitted outputs within a reasonable period; and
- Issue comments, approvals, or acceptance of deliverables upon compliance.

## 15. Ownership of Data and Confidentiality

All raw data, processed datasets, orthophotos, models, maps, reports, point clouds, and other outputs produced under the contract shall become the exclusive property of PNOC upon payment of the contract.

The Service Provider shall treat all project information and outputs as confidential and shall not disclose, reproduce, or use the same for any purpose other than the contract without prior written consent from PNOC.

## 16. Review and Acceptance of Deliverables

All deliverables shall be subject to review, validation, and acceptance by PNOC. PNOC may require revision, correction, reprocessing, or resubmission of any deliverable that fails to comply with the technical requirements or this Scope of Work.

Final acceptance shall be issued only upon full submission of compliant deliverables.

## 17. Warranty

The Service Provider shall warrant the technical reliability, completeness, and correctness of all outputs for a period of six (6) months from final acceptance. Any deficiency or error attributable to the Service Provider shall be corrected at no additional cost to PNOC.

## 18. Similar Project

Similar contract involving LiDAR survey, aerial topographic mapping, or large-area geospatial survey completed within ten (10) years before the deadline for the submission and receipt of bidding documents.

## 19. Terms of Payment

The total cost of the project proposal shall be inclusive of all applicable taxes and fees, remuneration, professional fees, and all incidental expenses such as printing of reports/deliverables, transportations/fuel, communications, other support personnel not listed above, etc.

Billing for the remuneration/professional fees shall be in accordance with the following milestone of submission of reports/outputs/deliverables.

Payment shall be made subject to applicable government accounting and auditing rules, based on the following milestone schedule:

Milestone / Condition for Payment	Payment (%)
Submission and approval of the Inception Report, Work Plan, and mobilization of survey controls	20%
Completion of LiDAR data acquisition and submission of acquisition report	30%

Milestone / Condition for Payment	Payment (%)
Submission and presentation of draft survey outputs, including DTM, DSM, orthophoto, contour maps, and initial technical report	30%
Final acceptance of all deliverables	20%

## 20. Performance Security and Other Documentary Requirements

The winning bidder shall submit all documentary requirements, performance security, and other post-qualification requirements in accordance with applicable procurement laws, rules, regulations, and PNOC procurement procedures.

## 21. Grounds for Rejection or Non-Acceptance

PNOC reserves the right to reject proposals or require correction of outputs in any of the following cases:

- Failure to comply with the technical requirements of this TOR;
- Incomplete or deficient deliverables;
- Inadequate qualifications, experience, or technical capability of the bidder;
- Non-submission of required reports, data, or documentation; or
- Material inaccuracies or inconsistencies in the outputs submitted.

## 22. Applicable Laws, Rules, and Standards

The procurement and implementation of this project shall be governed by applicable Philippine laws, procurement rules, professional regulations, and recognized standards relevant to survey, mapping, and geospatial data generation, including but not limited to Government Procurement Reform Act and its Implementing Rules and Regulations.

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## ***Section VII. Philippine Bidding Document Related Forms***

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Omnibus Sworn Statement .....	<b>Error! Bookmark not defined.</b>
Financial Proposal Forms.....	<b>Error! Bookmark not defined.</b>
Contract Form .....	<b>Error! Bookmark not defined.</b>

## SHORT-LISTING DOCUMENTS SUBMISSION FORM

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*[Date]*

*[Name and address of the Procuring Entity]*

Ladies/Gentlemen:

In connection with your Request for Expression of Interest dated *[insert date]* for *[Title of Project]*, *[Name of Consultant]* hereby expresses interest in participating in the eligibility and short-listing for said Project and submits the attached short-listing documents in compliance with the Short-listing Documents therefor.

In line with this submission, we certify that:

- a) *[Name of Consultant]* is not blacklisted or barred from bidding by the GoP or any of its agencies, offices, corporations, LGUs, or autonomous regional government, including foreign government or foreign or international financing institution; and
- b) Each of the documents submitted herewith is an authentic copy of the original, complete, and all statements and information provided therein are true and correct.

We acknowledge and accept the Procuring Entity's right to inspect and audit all records relating to our submission irrespective of whether we are declared eligible and short-listed or not.

We further acknowledge that failure to sign this Short-listing Documents Submission Form shall be a ground for our disqualification.

Yours sincerely,  
Signature  
Name and Title of Authorized Signatory  
Name of Consultant  
Address

## STATEMENT OF THE CONSULTANT'S NATIONALITY

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*[Name and address of the Procuring Entity]*

Ladies/Gentlemen:

In compliance with the requirements of the **Philippine National Oil Company**, for the **Consulting Services for the Conduct of Aerial LiDAR Survey Services for PNOC Industrial Park, Limay – Mariveles, Bataan** under **2026-05-061**, I/We hereby declare the following:

1. [Select one and delete the rest]

*[If domestic entity bidder]* That (Name of Bidder) is a domestic *sole proprietorship/partnership/corporation/joint venture* organized or formed under the laws of the Philippines;

*[If foreign entity bidder]* That (Name of Bidder) is a foreign *sole proprietorship/partnership/corporation/joint venture* organized or formed under the laws of the (Name of Country);

*[If foreign entity bidder]* That (Name of Bidder) is registered with the Securities and Exchange Commission and/or any agency authorized by the laws of the Philippines;

2. That the following are/is the proposed Consultants:

Name of Proposed Consultant	Proposed Position	Nationality	Proof of Identification
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			

3. That attached herewith are the Curriculum Vitae of the abovementioned personnel (*Annex/es \_\_\_\_\_*); and

Very truly yours,

Signature: \_\_\_\_\_  
Name and Title of Authorized Signatory: \_\_\_\_\_  
Name of Consultant/Company: \_\_\_\_\_  
Address: \_\_\_\_\_  
Email Address: \_\_\_\_\_  
Contact Nos: \_\_\_\_\_

**FORMAT OF CURRICULUM VITAE (CV) FOR PROPOSED PROFESSIONAL STAFF**

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Proposed Position: \_\_\_\_\_  
Name of Firm: \_\_\_\_\_  
Name of Staff: \_\_\_\_\_  
Profession: \_\_\_\_\_  
Date of Birth: \_\_\_\_\_  
Years with Firm/Entity: \_\_\_\_\_ Nationality: \_\_\_\_\_

Membership in Professional Societies: \_\_\_\_\_  
\_\_\_\_\_

Detailed Tasks Assigned: \_\_\_\_\_  
\_\_\_\_\_

**Key Qualifications:**

*[Give an outline of staff member's experience and relevant training most pertinent to the tasks on project at hand and aligned with the technical qualifications or certifications mentioned in the TOR. Describe the degree of responsibility held by staff member on relevant previous projects and give dates and locations. Use about half a page.]*

\_\_\_\_\_  
\_\_\_\_\_

**Education:**

*[Summarize college/university and other specialized education of staff members, giving names of schools, dates attended, and degrees obtained. Use about one quarter of a page.]*

\_\_\_\_\_  
\_\_\_\_\_

**Employment Record:**

*[Starting with present position, list in reverse order every employment held. List all positions held by staff member since graduation, giving dates, names of employing organizations, titles of positions held, and locations of projects. For experience in the last [insert relevant period which shall not exceed ten (10) years] years, also give types of activities performed and client references, where appropriate. Use about two pages.]*

\_\_\_\_\_  
\_\_\_\_\_

**Languages:**

*[For each language, indicate proficiency: excellent, good, fair, or poor in speaking, reading, and writing.]*

\_\_\_\_\_  
\_\_\_\_\_

**Certification:**

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe me, my qualifications, and my experience.

**Commitment:**

I also commit to work for the Project in accordance with the time schedule as indicated in the contract once the firm is awarded the Project.

\_\_\_\_\_ Date: \_\_\_\_\_  
*[Signature of staff member and authorized representative of the firm] Day/Month/Year*

Full name of staff member: \_\_\_\_\_  
Full name of authorized representative: \_\_\_\_\_

**SUBSCRIBED AND SWORN** to before me this \_\_\_ day of *[month]* *[year]* at *[place of execution]*, Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her *[insert type of government identification card used]*, with his/her photograph and signature appearing thereon, with no. \_\_\_\_\_.

Witness my hand and seal this \_\_\_ day of *[month]* *[year]*.

**NAME OF NOTARY PUBLIC**

Notarial Commission No. \_\_\_\_\_  
Notary Public for \_\_\_\_\_ until \_\_\_\_\_  
Roll of Attorneys No. \_\_\_\_\_  
PTR No. \_\_, *[date issued]*, *[place issued]*  
IBP No. \_\_, *[date issued]*, *[place issued]*

Doc. No. \_\_\_\_  
Page No. \_\_\_\_  
Book No. \_\_\_\_  
Series of \_\_\_\_.

**STATEMENT OF ONGOING CONTRACTS AND AWARDED BUT NOT YET STARTED CONTRACTS**

This is to certify that \_\_\_\_\_ **(consultant)** \_\_\_\_\_ has the following ongoing and awarded but not yet started contracts:

DATE OF CONTRACT	CONTRACTING PARTY	NAME OF CONTRACT	TYPE OF CONTRACT	BRIEF DESCRIPTION OF CONSULTING SERVICE	AMOUNT OF CONTRACT	VALUE OF OUTSTANDING CONTRACT	CONSULTANT IS: a. main consultant b. subcontractor c. partner in a JV

**Note: If the bidder does not have any on-going project, please state "None" in the form above and include the form in the submission of eligibility requirements.**

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

\_\_\_\_\_  
Date

## STATEMENT OF COMPLETED CONTRACTS

This is to certify that \_\_\_\_\_ **(consultant)** \_\_\_\_\_ has the following completed contracts:

PROJECT NAME (including NAME, ADDRESS OF CLIENT, CONTACT NO.)	DATE OF CONTRACT (MM/DD/YYYY)	TYPE OF CONTRACT  (BRIEF PROJECT DESCRIPTION)	START DATE (MM/DD/YYYY)	COMPLETION DATE (MM/DD/YYYY)	AMOUNT OF CONTRACT	CONSULTANT'S ROLE (DESCRIPTION OF ACTUAL SERVICES PROVIDED)

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

\_\_\_\_\_  
Date

