



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

PHILIPPINE BIDDING DOCUMENTS

**Project Title : Supply and Delivery of 9.35 kWp
Photovoltaic System with 50kWh Battery
Capacity in a 20-footer Container Van
with Trailer Bed for the Municipal
Autonomous Power Source (MAPS)**

ITB No. : 2024-09-140

**Sixth Edition
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Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP 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. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

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.

CIF – Cost Insurance and Freight.

CIP – Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means “delivered duty paid.”

DTI – Department of Trade and Industry.

EXW – Ex works.

FCA – “Free Carrier” shipping point.

FOB – “Free on Board” shipping point.

Foreign-funded Procurement or Foreign-Assisted Project– Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as “Call-Offs,” are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term “related” or “analogous services” shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

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*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure project 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. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

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. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations.

Section I. Invitation to Bid



PHILIPPINE NATIONAL OIL COMPANY
PNOC Building 6, Energy Center
Rizal Drive, BGC, Taguig City
Tel No.: 8789-7662
www.pnoc.com.ph, www.philgeps.gov.ph

Invitation to Bid

Supply and Delivery of 9.35 kWp Photovoltaic System with 50kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS)

Invitation to Bid No. 2024-09-140

1. Philippine National Oil Company (PNOC), through the 2024 Approved Corporate Operating Budget, intends to apply the sum of Two Million Pesos (P2,000,000.00) being the Approved Budget for the Contract (ABC) to payments under the contract for the **Supply and Delivery of 9.35 kWp Photovoltaic System with 50kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS)** with identification number **2024-09-140**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
 2. The PNOC now invites bids for the above Procurement Project. Delivery of Goods and Services and the completion of the project is required within **Forty-Five (45) Calendar Days**. Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II. (Instructions to Bidders).
 3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary *“pass/fail”* criterion as specified in the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184, otherwise known as the “Government Procurement Reform Act”.
- Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA 5183.
4. Interested bidders may obtain further information from the PNOC-Procurement Management Division and inspect the Bidding Documents at the address given below during **working hours from 8:00 AM to 5:00 PM**.
 5. A complete set of Bidding Documents may be acquired by interested Bidders on **October 01, 2024** from the given address below and upon payment of a non-refundable fee amounting to **Two Thousand Pesos (PhP2,000.00)**. The procuring entity shall allow the

bidder to present its proof of payment for the fees in person, by facsimile, or through electronic means.

6. The PNOC will hold a Pre-Bid Conference on **October 08, 2024 (09:00 AM)** at PNOC Bldg. 6, Energy Center, Rizal Drive, BGC, Taguig City and/or through video conferencing via **Google Meet**, which shall be open to prospective bidders.
7. Bids must be duly received by the BAC Secretariat through manual submission at the address indicated below on or before **October 22, 2024 (10:00 AM)**. Late bids shall not be accepted.
8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in ITB Clause 14.
9. Bid opening shall be on **October 22, 2024 (10:30 PM)** at given address below and/or via **Google Meet**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
10. 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 Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
11. For further information, please refer to:

The Secretariat
Bids and Awards Committee
Philippine National Oil Company
PNOC Bldg. 6, Energy Center
Rizal Drive, BGC, Taguig City
Telephone No. (02) 8789-7662
E-Mail: cfcmeo@pnoc.com.ph / procurement@pnoc.com.ph
Website: www.pnoc.com.ph

12. For downloading of Bidding Documents
www.philgeps.com.ph and <http://www.pnoc.com.ph/bids.php>


ATTY. JOSEPHINE CASSANDRA J. CUI
BAC Chairperson 

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, PNOC, wishes to receive Bids for the **Supply and Delivery of 9.35 kWp Photovoltaic System with 50kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS)** including tools, equipment and materials, with identification number **2024-09-140**.

The Procurement Project, **Supply and Delivery of 9.35 kWp Photovoltaic System with 50kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS)** for PNOC is composed of **One (1) Lot**, the details of which are described in Section VII (Technical Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for 2024 Approved Corporate Operating Budget in the amount of Two Million Pesos (P2,000,000.00).

2.2. The source of funding is the Approved Corporate Operating Budget.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids or Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. *[Select one, delete other/s]*
- a. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When a Treaty or International or Executive Agreement as provided in Section 4 of the RA No. 9184 and its 2016 revised IRR allow foreign bidders to participate;
 - ii. Citizens, corporations, or associations of a country, included in the list issued by the GPPB, the laws or regulations of which grant reciprocal rights or privileges to citizens, corporations, or associations of the Philippines;
 - iii. When the Goods sought to be procured are not available from local suppliers; or
 - iv. When there is a need to prevent situations that defeat competition or restrain trade.
 - b. Foreign ownership limited to those allowed under the rules may participate in this Project.
- 5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to:
- a. For the procurement of Non-expendable Supplies and Services: The Bidder must have completed a single contract that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.

The Procuring Entity has prescribed that subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and either at its physical address and/or through videoconferencing/webcasting as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within *five (5) years* prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII (Checklist of Technical and Financial Documents)**.
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
- a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
 - b. For Goods offered from abroad:
 - i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
 - ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications)**.

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration¹ or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.

¹ In the case of Framework Agreement, the undertaking shall refer to entering into contract with the Procuring Entity and furnishing of the performance security or the performance securing declaration within ten (10) calendar days from receipt of Notice to Execute Framework Agreement.

- 14.2. The Bid and bid security shall be valid within One Hundred Twenty (120) Calendar Days from the date of the Opening of Bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

- 16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

- 17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

- 17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

- 18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*," using non-discretionary pass/fail criteria. The BAC shall

consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.

- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII (Technical Specifications)**, although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as follows:

One Project having several items, which shall be awarded as one contract.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

- 20.2. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

- 21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be: Supply, Delivery and Installation of Photovoltaic System with Battery within the last <i>five (5) years</i> prior to the deadline for submission and opening of bids.
7.1	<i>Sub-contracting is not allowed</i>
12	No further instructions
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than Forty Thousand Pesos (PhP 40,000.00) or two percent (2%) of ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than One Hundred Thousand Pesos (PhP 100,000.00) or five percent (5%) of ABC if bid security is in Surety Bond.
19.3	Supply and Delivery of 9.35 kWp Photovoltaic System with 50kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS) ABC: <i>Two Million Pesos (Php2,000,000.00)</i>
20.2	No additional requirement
21.2	No additional requirement

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC)**.

2. Advance Payment and Terms of Payment

2.1. Advance payment of the contract amount is provided under Annex “D” of the revised 2016 IRR of RA No. 9184.

2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the **SCC, Section IV (Technical Specifications)** shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 6.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 6.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
1	<p>Delivery and Documents –</p> <p>For purposes of the Contract, “EXW,” “FOB,” “FCA,” “CIF,” “CIP,” “DDP” and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:</p> <p>The delivery terms applicable to the Contract are delivered to the Project Site. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination. ”</p> <p>The delivery terms applicable to this Contract are delivered to:</p> <p>Philippine National Oil Company PNOC Bldg. 6, Energy Center, Rizal Drive, BGC, Taguig City</p> <p>Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).</p> <p>For purposes of this Clause the Procuring Entity’s Representative at the Project Site is:</p> <p style="text-align: center;">Mr. Aoron R. Viuya Manager, Accounting Department</p> <p>Incidental Services –</p> <p>The Supplier is required to provide all of the following services, including additional services, if any, specified in Section VI. Schedule of Requirements:</p> <ol style="list-style-type: none"> a. performance or supervision of on-site assembly and/or start-up of the supplied Goods; b. furnishing of tools required for assembly and/or maintenance of the supplied Goods; c. furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods; d. performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
	<ol style="list-style-type: none"> e. training of the Procuring Entity’s personnel, at the Supplier’s plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.

The Contract price for the Goods shall include the prices charged by the Supplier for incidental services and shall not exceed the prevailing rates charged to other parties by the Supplier for similar services.

Spare Parts –

The Supplier is required to provide all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- a. such spare parts as the Procuring Entity may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under this Contract; and
- b. in the event of termination of production of the spare parts:
 - i. advance notification to the Procuring Entity of the pending termination, in sufficient time to permit the Procuring Entity to procure needed requirements; and
 - ii. following such termination, furnishing at no cost to the Procuring Entity, the blueprints, drawings, and specifications of the spare parts, if requested.

The spare parts and other components required are listed in **Section VI (Schedule of Requirements)** and the cost thereof are included in the contract price.

The Supplier shall carry sufficient inventories to assure ex-stock supply of consumable spare parts or components for the Goods for a period of **one (1) year**.

Spare parts or components shall be supplied as promptly as possible, but in any case, within **one (1) month** of placing the order.

Packaging –

The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

	<p>The packaging, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.</p> <p>The outer packaging must be clearly marked on at least four (4) sides as follows:</p> <p>Name of the Procuring Entity Name of the Supplier Contract Description Final Destination Gross weight Any special lifting instructions Any special handling instructions Any relevant HAZCHEM classifications</p>
	<p>A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.</p> <p>Transportation –</p> <p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.</p> <p>Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.</p>
	<p>Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.</p> <p>The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic</p>

	<p>Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.</p> <p>Intellectual Property Rights –</p> <p>The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.</p>
2.2	No further instructions
4	The inspections and tests that will be conducted are those indicated in Sec. VII. Technical Specifications (if applicable)

Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

LOT NO.	DESCRIPTION	DELIVERY PERIOD
1	Supply and Delivery of 9.35 kWp Photovoltaic System with 50kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS)	Within Forty-Five (45) calendars days upon receipt of the Notice to Proceed

Name of Company: _____

Authorized Representative: _____
(Name and Signature)

Section VII. Technical Specifications

Technical Specification

Bidders must state here either “Comply” or “Not Comply” against each of the individual parameters of each Specification stating the corresponding performance parameter of the equipment offered. Statements of “Comply” or “Not Comply” must be supported by evidence in a Bidders Bid and cross-referenced to that evidence. **Evidence shall be in the form of manufacturer’s un-amended sales literature, unconditional statements of specification and compliance issued by the manufacturer, samples, independent test data etc., as appropriate. A statement that is not supported by evidence or is subsequently found to be contradicted by the evidence presented will render the Bid under evaluation liable for rejection.** A statement either in the Bidder's statement of compliance or the supporting evidence that is found to be false either during Bid evaluation, post-qualification or the execution of the Contract may be regarded as fraudulent and render the Bidder or supplier liable for prosecution subject to the applicable laws and issuances.

ITEM NO.	DESCRIPTION	Statement of Compliance
1	Solar Photovoltaic System	<i>Model/Brand</i>
	a. Solar Panels <ul style="list-style-type: none"> • N-Type Monocrystalline • Bi-facial • Minimum module rating of 550Wp • 21.0% efficiency • No more than 2% efficiency degradation in the first year and no more than 0.5% annual degradation thereafter • Manufacturer must be in Tier 1 category as defined by industry-recognized standards such as Bloomberg New Energy Finance (BNEF) or equivalent • Must follow the IEC 61215 standards • At least 85% of their original rated power output after 25 years • Compliant with IEC 61215, IEC 61701, IEC 62716, IEC 61730, ISO 9001, OHSAS 18001, 14001: 2015, or equivalent 	
	b. Power Inverter <ul style="list-style-type: none"> • Hybrid inverter • 10kW rated AC power • Single-phase, 220V/230V • Compatible with Lithium-ion phosphate battery (LiFeO4) • Can accommodate battery voltage range of 40V to 60V • Can accommodate maximum charge/discharge current of 200A • Self-adaptation to BMS 	

1	<ul style="list-style-type: none"> • With a built-in inverter or solar charge controller • Frequency range of 50Hz/60Hz • 96.90% minimum efficiency • IP 65 • With mobile app available for remote monitoring • Wall-mounted • Certification (IEC62116, IEC61727, IEC62109, EN61000-6-1, EN61000-6-3, or equivalent) 	
	<p>c. Battery Storage</p> <ul style="list-style-type: none"> • Lithium-ion phosphate battery (LiFeO₄) • Battery voltage range of 40V to 60V • Maximum charge/discharge current of 200A • Rack-mounted 	
	<p>d. D.C Circuit Protection Device</p> <ul style="list-style-type: none"> • Compliant with IEC 60947 Part I-III, IS 60947 Part I-III and EN 50521 or equivalent • Minimum voltage rating of 1000VDC 	
	<p>e. A.C Circuit Protection Device</p> <ul style="list-style-type: none"> • Compliant with IEC 60947 Part I-III, IS 60947 Part I-III and EN 50521 or equivalent • Minimum voltage rating equivalent to inverter output voltage 	
	<p>f. Isolator (if applicable)</p>	
	<p>g. Surge Protection Device</p> <ul style="list-style-type: none"> • Capable of bi-directional filtering of harmonics and surges that may be created from the PV system and from the grid • Enclosure protection compliant to IP65/NEMA 3R or equivalent 	
	<p>h. PV Mounting System</p> <ul style="list-style-type: none"> • Must withstand 270kph (minimum) • Anodized structural grade aluminum alloy (AL6005-T5) and stainless-steel components (SS 304) • 15 Years Warranty 	
	<p>i. P.V Cables</p> <ul style="list-style-type: none"> • Compliant with IEC 60811, IEC 60227, IEC 60502, IEC 60228, UL 1581, ISO 4892-2 or HD 506/A1-2.4.20, or equivalent • Shall be of XLPE insulated with PVC sheathed, 0.6/1kV single or multicore, stranded copper conductor • Shall be color coded as per IEC 60364 and should be provided with tag/markings • Cable ties shall conform to EN 50146 and IEC 62275 standards 	
	<p>j. Battery Cables</p>	

	<p>k. Industrial Socket</p> <ul style="list-style-type: none"> • Male and Female Industrial Socket • Wall mounted • IP 65, 32A 	
	<p>l. Automatic Transfer Switch</p> <ul style="list-style-type: none"> • Compliant with IEC 60947 Part I-III, IS 60947 Part I-III and EN 50521 or equivalent • Enclosure protection compliant to IP65/NEMA 3R or equivalent 	
	<p>m. Smart Meter</p> <ul style="list-style-type: none"> • Compliant with IEC or ANSI revenue metering standards (i.e., Class 0.3 accuracy) and as certified by ERC • Capable of providing outputs and terminal strips for remote monitoring and data acquisition using RS485 or equivalent • Shall be boxed in a standard enclosure with a viewing window made of fiberglass or equivalent 	
	<p>n. Cable Tray</p> <ul style="list-style-type: none"> • Shall be hot-dipped galvanized with a minimum of 2mm thickness in accordance with IEC standards or equivalent 	
	o. Angle Bar (2inch x 2inch x ¼ mm thick)	
	p. Welding Rod	
	q. Mounting Consumables (center clamp, end clamp, etc.)	
	r. Electrical Consumables (tape, terminal lugs, PV connector, terminal block, etc.)	
	s. Electrical Distribution Box (if applicable)	
	<p>t. Electrical Conduit (flexible conduit, pipes)</p> <ul style="list-style-type: none"> • Shall be rigid steel in accordance with IEC standards or equivalent 	
	u. Exhaust Fan (3kW)	
2	20-footer Container Van with Trailer Bed Component	
	a. Dimensions: 20' x 8' x 8'6''	
	b. 8-wheeler trailer bed with one spare tire included.	
	c. Trailer bed should be equipped with a stand	

TERMS OF REFERENCE (TOR)

PROJECT : Supply and Delivery of 9.35 kWp Photovoltaic System with 50 kWh Battery Capacity in a 20-footer Container Van with Trailer Bed for the Municipal Autonomous Power Source (MAPS)

I. BACKGROUND

The Philippine National Oil Company (PNOC) is spearheading the development of a prototype for a Municipal Autonomous Power Source (MAPS). This initiative aims to address the growing need for reliable, sustainable, and independent power sources in local government

units (LGUs) across the Philippines. The MAPS project envisions a mobile, self-sustained power generation unit that can provide a dependable electricity supply, particularly in remote areas or in times of natural disasters where grid power may be unavailable.

To achieve this goal, PNOC intends to procure a 20-footer container van equipped with a trailer bed and a 9.35 kWp photovoltaic (PV) system with 50kWh battery. This project will serve as the foundational structure for the MAPS prototype, demonstrating its potential to function as an autonomous power source for various municipal applications.

II. PROJECT REQUIREMENTS

1. **Supply of Solar PV System:** Provide a 9.35 kWp solar PV system, including solar panels, inverters, 50 kWh battery storage, safety protection devices, and other necessary consumables. This system is to be installed on a 20-foot container van mounted on a trailer bed.
2. **System Design Pre-Approval:** The PV system's design and setup must be pre-approved by the Contractor's authorized engineer and PNOC's electrical engineer before installation.
3. **Installation:** Complete the installation of the solar PV system in a 20-foot container van mounted on a trailer bed. Section IV outlines PNOC's expected installation plan for the project. While the Contractor is permitted to adjust the installation plan's activities, any modifications must ensure that the final outcome meets all project specifications and material requirements detailed in Section III.
4. **Documentation:** Provide all necessary documentations, such as, but not limited to, delivery receipts, warranties, detailed user manuals, technical documentation, and maintenance guides for the PV system.
5. **Trailer Bed Compatibility:** Ensure that the trailer bed is compatible with the 20-foot container van, including the necessary mounting brackets and securing mechanisms. It must be robust enough to safely transport the container over various terrains, including unpaved roads.
6. **Regulatory Compliance:** The trailer bed must comply with the Department of Transportation (DOTr) regulations and standards for safety, towing, and roadworthiness. Additionally, the Contractor must ensure compliance with Land Transportation Office (LTO) requirements for registering the trailer bed.
7. **Project Engineer:** The Contractor must assign a dedicated Project Engineer to coordinate directly with the PNOC representative throughout the project.
8. **Testing and Commissioning:** Conduct thorough testing and commissioning of the PV system to ensure it functions safely and effectively. Any costs related to component replacements or reworks, including those involving the container van and trailer bed, shall be covered by the Contractor.
9. **Training:** Provide on-site training for PNOC personnel within seven (7) days after completing the system's testing and commissioning phase. The training should cover system operation, maintenance, basic troubleshooting, and facility management. All training-related costs, except for PNOC's transportation and accommodation expenses, are the Contractor's responsibility. A Certificate of Completion must be issued to the participants.
10. **Inspection and Final Acceptance:** PNOC will perform an inspection and formally accept the final delivery approximately seven (7) days after receiving all necessary documentation and the completion of on-site training—whichever occurs last.

III. MATERIAL REQUIREMENTS

1. **Design Calculations:** The design of the PV system shall be for a minimum service life of twenty-five (25) years. Design shall consider service conditions that will affect the performance of the solar PV system such as irradiation, UV radiation, temperature variations, rainfall intensity, humidity, pollution etc. Design shall be able to protect and harness the equipment from natural calamities such as earthquake, tropical typhoons, cyclones and wind gustiness prevailing in the Philippines.

a. Electrical Design

- Maximum DC voltage per string shall not exceed 1500 Volts at a temperature of 15 degrees Celsius.
- Minimum DC voltage per string shall be more than the “minimum input voltage” of the inverter at a temperature of 50 degrees Celsius.
- Minimum DC voltage per string after 20 years shall be more than the “minimum input voltage” of the inverter at a temperature of 50 degrees Celsius.
- Maximum DC power per array (combination of strings) shall be less than the maximum allowable generator power of inverter.
- Maximum voltage drop between equipment to equipment shall not exceed 1% on DC system and 5% on AC system.

b. *Structural Design*

Seismic loading shall be selected to ensure the Performance Criteria set out below are achieved:

- All system’s components which are critical to the generation of electricity shall remain undamaged and operational following a moderate earthquake;
- In case of a massive earthquake, the damage to structures and equipment shall be limited to that which can be repaired sufficiently quickly for the generation of electricity to resume safely within thirty (30) days, unless otherwise the main building has collapsed; and
- Potential costs of repair or replacement and the duration of inability to generate electricity after a large seismic event shall be minimized.

The wind resistant design required for the facility shall be at minimum of 270 kph. In case the basis for wind resistant design in the latest National Structural Code of the Philippines (NSCP) is higher, then NSCP shall govern.

c. Minimum Materials Specifications

- i. Solar PV System
 - a. Solar panels

- ✓ N-Type Monocrystalline
 - ✓ Bi-facial
 - ✓ Minimum module rating of 550Wp
 - ✓ 21.0% efficiency
 - ✓ No more than 2% efficiency degradation in the first year and no more than 0.5% annual degradation thereafter
 - ✓ Manufacturer must be in Tier 1 category as defined by industry-recognized standards such as Bloomberg New Energy Finance (BNEF) or equivalent
 - ✓ Must follow the IEC 61215 standards
 - ✓ At least 85% of their original rated power output after 25 years
 - ✓ Compliant with IEC 61215, IEC 61701, IEC 62716, IEC 61730, ISO 9001, OHSAS 18001, 14001: 2015, or equivalent
- b. Power Inverter
- ✓ Hybrid inverter
 - ✓ 10kW rated AC power
 - ✓ Single-phase, 220V/230V
 - ✓ Compatible with Lithium-ion phosphate battery (LiFeO₄)
 - ✓ Can accommodate battery voltage range of 40V to 60V
 - ✓ Can accommodate maximum charge/discharge current of 200A
 - ✓ Self-adaptation to BMS
 - ✓ With a built-in inverter or solar charge controller
 - ✓ Frequency range of 50Hz/60Hz
 - ✓ 96.90% minimum efficiency
 - ✓ IP 65
 - ✓ With mobile app available for remote monitoring
 - ✓ Wall-mounted
 - ✓ Certification (IEC62116, IEC61727, IEC62109, EN61000-6-1, EN61000-6-3, or equivalent)
- c. Battery storage
- ✓ Lithium-ion phosphate battery (LiFeO₄)
 - ✓ Battery voltage range of 40V to 60V
 - ✓ Maximum charge/discharge current of 200A
 - ✓ Rack-mounted
- d. D.C Circuit Protection Device
- ✓ Compliant with IEC 60947 Part I-III, IS 60947 Part I-III and EN 50521 or equivalent
 - ✓ Minimum voltage rating of 1000VDC
- e. A.C Circuit Protection Device
- ✓ Compliant with IEC 60947 Part I-III, IS 60947 Part I-III and EN 50521 or equivalent
 - ✓ Minimum voltage rating equivalent to inverter output voltage
- f. Isolator (if applicable)
- g. Surge Protection Device
- ✓ Capable of bi-directional filtering of harmonics and surges that may be created from the PV system and from the grid
 - ✓ Enclosure protection compliant to IP65/NEMA 3R or equivalent
- h. PV Mounting System
- ✓ Must withstand 270kph (minimum)
 - ✓ Anodized structural grade aluminum alloy (AL6005-T5) and stainless-steel components (SS 304)

- ✓ 15 Years Warranty
 - i. PV Cables
 - ✓ Compliant with IEC 60811, IEC 60227, IEC 60502, IEC 60228, UL 1581, ISO 4892-2 or HD 506/A1-2.4.20, or equivalent
 - ✓ Shall be of XLPE insulated with PVC sheathed, 0.6/1kV single or multicore, stranded copper conductor
 - ✓ Shall be color coded as per IEC 60364 and should be provided with tag/markings
 - ✓ Cable ties shall conform to EN 50146 and IEC 62275 standards
 - j. Battery Cables
 - k. Industrial Socket
 - ✓ Male and Female Industrial Socket
 - ✓ Wall mounted
 - ✓ IP 65, 32A
 - l. Automatic Transfer Switch
 - ✓ Compliant with IEC 60947 Part I-III, IS 60947 Part I-III and EN 50521 or equivalent
 - ✓ Enclosure protection compliant to IP65/NEMA 3R or equivalent
 - m. Smart Meter
 - ✓ Compliant with IEC or ANSI revenue metering standards (i.e., Class 0.3 accuracy) and as certified by ERC
 - ✓ Capable of providing outputs and terminal strips for remote monitoring and data acquisition using RS485 or equivalent
 - ✓ Shall be boxed in a standard enclosure with a viewing window made of fiberglass or equivalent
 - n. Cable tray
 - ✓ Shall be hot-dipped galvanized with a minimum of 2mm thickness in accordance with IEC standards or equivalent
 - o. Angle bar (2inch x 2inch x ¼ mm thick)
 - p. Welding rod
 - q. Mounting consumables (center clamp, end clamp, etc.)
 - r. Electrical consumables (tape, terminal lugs, PV connector, terminal block, etc.)
 - s. Electrical distribution box (if applicable)
 - t. Electrical conduit (flexible conduit, pipes)
 - Shall be rigid steel in accordance with IEC standards or equivalent
 - u. Exhaust fan (3kW)
- ii. 20-footer Container Van with Trailer Bed Component
- a. Dimensions: 20' x 8' x 8'6"
 - b. 8-wheeler trailer bed with one spare tire included
 - c. Trailer bed should be equipped with a stand

IV. PROJECT INSTALLATION PLAN

The following is the general installation plan for the project, intended as a guide for the Contractor to complete the final deliverable. While the Contractor may adjust the activities within the installation plan, any modifications must ensure that the final deliverable complies with all project specifications and material requirements.

1. Provide and deliver a 20-foot container van.

2. Supply and deliver, or fabricate, a trailer designed to accommodate the container van, enabling easy mobilization.
3. Properly set up and secure the container van onto the trailer.
4. Fabricate angle bar brackets inside the container van for securely mounting solar PV system components such as inverters, batteries, and smart meters.
5. Fabricate swing mounting brackets for solar panels on the side walls of the container van. These brackets must support the weight of the panels and provide a minimum inclination of 15 degrees, with appropriate structural support.
6. Assemble and connect the 9.35 kWp solar PV system, including all ancillary components.
7. Install both AC and DC circuit breakers to provide circuit protection for the system.
8. Install surge protection devices to safeguard the system against electrical surges.
9. Conceal all wiring and cabling using cable trays and electrical conduits to ensure a clean and safe installation.
10. Install a smart meter for monitoring load consumption and energy usage.
11. Securely mount the battery storage units inside the container van to prevent any movement during transit or operation.
12. Install an exhaust fan to ensure proper ventilation and prevent overheating inside the container van.
13. Solar Panel Mounting on the Container:
 - a. Fabricate swing mounting brackets for the solar panels on the container van's side walls.
 - b. Ensure the brackets can support the panel weight, maintain a 15-degree inclination, and have sufficient structural reinforcement.
14. Connect the PV array to the solar system, ensuring proper electrical integration.
15. Use liquid-tight conduits for the solar PV system's wiring and cabling to ensure protection from external elements.
16. Ensure the container van is watertight by applying water-stop sealants where necessary to protect the internal components of the solar PV system.
17. Install the PV array on the top of the container van with a fixed 15-degree inclination for optimal solar energy capture.
18. Install an industrial-grade female socket outside the container van for easy access to load connections.

V. WORKMANSHIP

The Contractor shall accept full responsibility for its work in the design, specifications, procurement, fabrication, manufacture, construction, erection, installation, calibration and testing, quality control, documentation, testing and commissioning and performance testing.

The Contractor shall be responsible for the safety and security of its personnel within the project site(s) and provide proper personal protective equipment (PPE), if applicable.

The Contractor shall be deemed solely liable for all its suppliers and subcontractors and shall compensate PNOG against all third-party claims or infringement of patent, trademark, or industrial design rights arising from use of the supplied equipment or any part thereof.

VI. PROJECT DURATION AND DELIVERY

1. The work must be completed within forty-five (45) calendar days from the date the Notice to Proceed is received.

2. The final deliverable must be submitted to PNOC at the Energy Center, Rizal Drive, Bonifacio Global City, Taguig City.

Note: Any delays caused by a work stoppage ordered by PNOC will not be counted toward the specified completion timeframe.

VII. WARRANTY PROVISION

The Contractor shall turnover the warranty certificates for the following to PNOC prior to issuance of Certificate of Final Acceptance:

- A twenty-five (25)-year linear power warranty from the Manufacturer on the solar PV modules with at least eighty percent (80%) power output guaranteed at twenty-five (25) years. The solar PV module manufacturer shall confirm that the warranty applies on an “as installed basis,” i.e., it will confirm the modules were installed according to its requirements and specifications for installation.
- A fifteen (15)-year warranty on the permanent structures which include mounting and racking systems used in the rooftop solar PV system.
- A ten (10)-year warranty from the Manufacturer on the solar PV modules. The PV module-manufacturer shall confirm that the warranty applies on an “as installed basis,” i.e., it will confirm the PV modules were installed according to its requirements and specifications for installation.
- A five (5)-year warranty from the Manufacturer on the inverters. The inverter manufacturer shall confirm that the warranty applies on an “as installed basis,” i.e., it will confirm the inverters were installed according to its requirements and specifications for installation.
- A three (3)-year warranty from the Manufacturer on the batteries. The battery manufacturer shall confirm that the warranty applies on an “as installed basis”, i.e., it will confirm the batteries were installed according to its requirements and specifications for installation.
- A one (1)-year warranty for safety and protection devices, cables, instrumentation, and control/ communication devices including software, IP cameras and Web portal and all other accessories used in the solar PV system.

VIII. APPROVED BUDGET OF THE CONTRACT

A total estimated ABC for this procurement is Two Million Pesos Only (PhP 2,000,000.00), inclusive of all applicable government taxes.

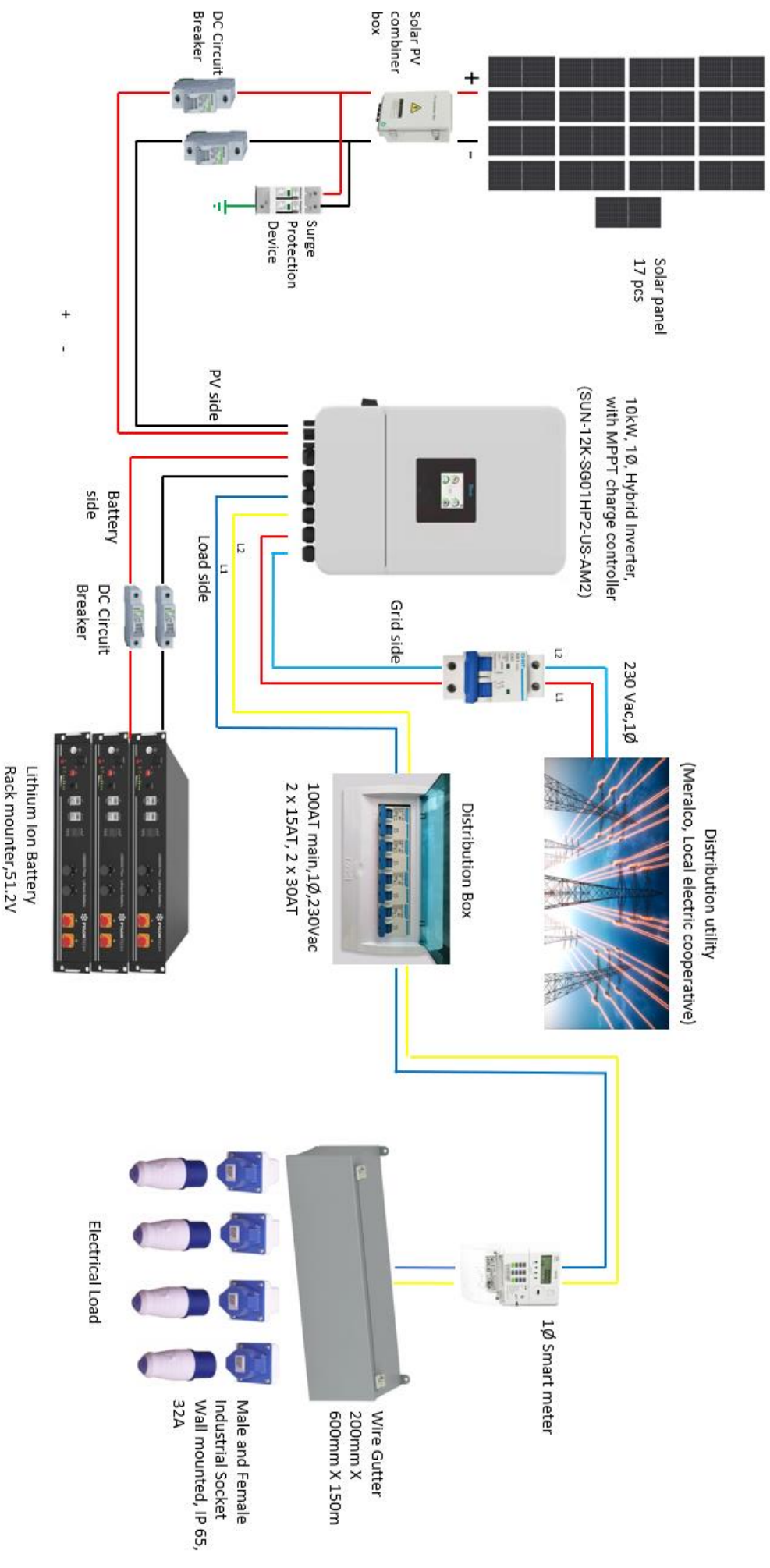
IX. DEFECTS AND LIABILITY PERIOD

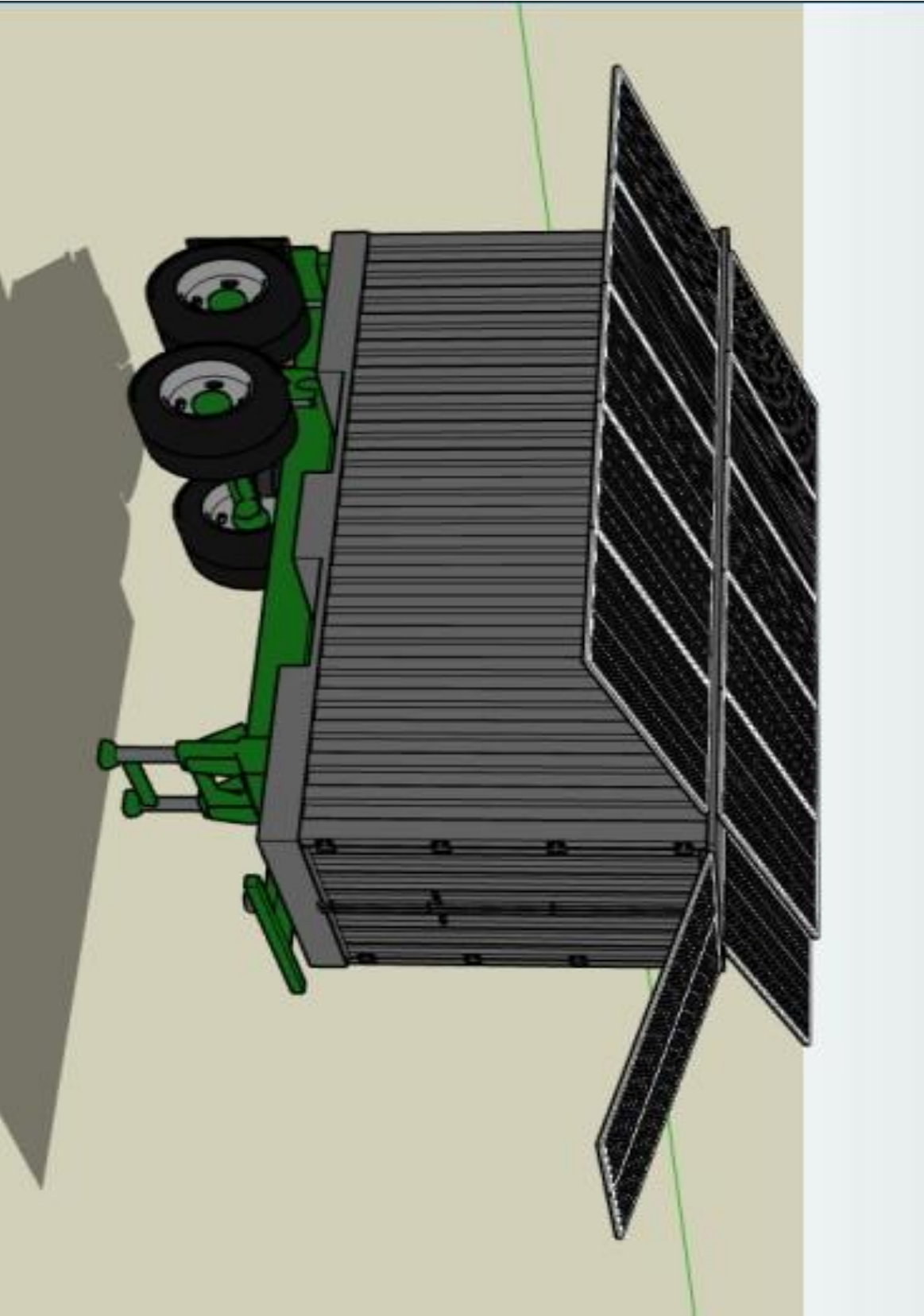
1. Defects and liability period shall include servicing of defective goods and services under the warranty obligations and conditions stipulated in the Contract.
2. PNOC shall also enjoy a one-year after-sales support from the Contractor, which shall include but not limited to repairs, troubleshooting, and 24/7 customer support.
3. Repairs, troubleshooting, and other after-sales support to commence within seven (7) calendar days upon receipt of notification from PNOC.
4. Replacement for locally available components shall not exceed fifteen (15) calendar days upon receipt of notification from PNOC.

5. Replacement for imported components shall not exceed sixty (60) calendar days upon receipt of notification from PNOC.

Name of Company: _____

Authorized Representative: _____
(Name & Signature)





***Section VIII. Checklist of Technical and
Financial Documents***

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

- (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided for in Sections 23.4.1.3 and 23.4.2.4 of the 2016 revised IRR of RA No. 9184, within the relevant period as provided in the Bidding Documents; **and**
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission;
- or**
- (e) Original copy of Notarized Bid Securing Declaration; **and**
- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or after-sales/parts, if applicable; **and**
- (f) Original duly signed Omnibus Sworn Statement (OSS); **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.
- (g) Proof that the trailer bed should comply with the Department of Transportation (DOTr) regulations and standards for safety, towing, and road worthiness.
- (h) Certificate of Registration issued by LTO for the trailer bed.
- (i) Certificate of Undertaking to provide on-site training for PNOC personnel on the operation and maintenance of the PV system.
- (j) Certificate of Undertaking on the following:
1. PNOC shall also enjoy a one-year after-sales support from the Contractor, which shall include but not limited to repairs, troubleshooting, and 24/7 customer support.
 2. Repairs, troubleshooting, and other after-sales support to commence within seven (7) calendar days upon receipt of notification from PNOC.
 3. Replacement for locally available components shall not exceed fifteen (15) calendar days upon receipt of notification from PNOC.
 4. Replacement for imported components shall not exceed sixty (60) calendar days upon receipt of notification from PNOC

Financial Documents

- (k) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);

or

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

Class "B" Documents

- (l) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence;
or
duly notarized statements from all the 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.

Other documentary requirements under RA No. 9184 (as applicable)

- (m) *[For foreign bidders claiming by reason of their country's extension of reciprocal rights to Filipinos]* Certification from the relevant government office of their country stating that Filipinos are allowed to participate in government procurement activities for the same item or product.
- (n) Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.

25 FINANCIAL COMPONENT ENVELOPE

- (a) Original of duly signed and accomplished Financial Bid Form; **and**
- (b) Original of duly signed and accomplished Price Schedule(s).

Section IX. Bidding Forms

STATEMENT OF SINGLE LARGEST COMPLETED CONTRACT SIMILAR TO THE CONTRACT TO BE BID

This is to certify that **(Bidder)** has completed the below-listed contract within **five (5)** years prior the deadline of submission and opening of bids.

Date of the Contract	Contracting Party	Name of Contract	Nature of Contract	Amount of Contract	Contract Duration	Issuance Date of Certification Satisfactory Service

Name and Signature of Authorized Representative

Date

*Notes:

- a) Cut-off date as of **DEADLINE OF SUBMISSION OF BIDS**.
- b) **“Name of Contract”**. Indicate here the Nature/ Scope of the Contract for the Procuring Entity to determine the relevance of the entry with the Procurement at hand.

STATEMENT OF ALL: (i) ONGOING CONTRACTS (GOVERNMENT AND PRIVATE) AND; (ii) AWARDED BUT NOT YET STARTED CONTRACTS

This is to certify that (Bidder) has the following ongoing and awarded but not yet started contracts:

Date of the Contract	Contracting Party	Name of Contract	Nature of Contract	Amount of Contract	Contract Duration	Value of Outstanding Works

Name and Signature of Authorized Representative

Date

*Instructions:

- a) State all ongoing contracts including those awarded but not yet started (government and private contracts which may be similar or not similar to the project called for bidding) as of **DEADLINE OF SUBMISSION OF BIDS**.
- b) If there is no ongoing contract including awarded but not yet started as of the aforementioned period, state none or equivalent term.
- c) The total amount of the ongoing and awarded but not yet started contracts should be consistent with those used in the Net Financial Contracting Capacity (NFCC) in case an NFCC is submitted as an eligibility document.
- d) **“Name of Contract”**. Indicate here the Nature/ Scope of the Contract for easier tracking of the entries/ representations.

BID FORM

Date : _____
Project Identification No.: _____

To: *[name and address of Procuring Entity]*

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers *[insert numbers]*, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to *[supply/deliver/perform]* *[description of the Goods/Services]* in conformity with the said PBDs for the sum of *[total Bid amount in words and figures]* or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: *[specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties]*, which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. To deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents(PBDs);
- b. To provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of *[name of the bidder]* as evidenced by the attached *[state the written authority]*.

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name of Authorized Representative: _____

Legal capacity: _____ Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Date: _____

Price Schedule for Goods Offered from Within the Philippines

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of Origin	Quantity	Unit Price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

Price Schedule for Goods Offered from Abroad

1	2	3	4	5	6	7	8	9
Item	Description	Country of Origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (specify border point or place of destination)	Total CIF or CIP price per item (col 4x5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4x8)

Name: _____

Legal Capacity: _____

Signature: _____

Duly authorized to sign the Bid for and behalf of: _____

REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

BID SECURING DECLARATION

Project Identification No.: *[Insert number]*

To: *[Insert name and address of the Procuring Entity]*

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f), of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this _____ day of *[month]* *[year]* at *[place of execution]*.

*[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant*

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. _____ issued on _____
at _____.

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

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

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CONTRACT AGREEMENT

THIS AGREEMENT made the day of _____ 20__ between [name of PROCURING ENTITY] of the Philippines (hereinafter called “the Entity”) of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called “the Supplier/Service Provider”) of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [*contract price in words and figures in specified currency*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
 - i. Philippine Bidding Documents(PBDs);
 - i. Schedule of Requirements;
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder’s bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder’s bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder’s response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity’s bid evaluation;
 - iii. Performance Security;
 - iv. Notice of Award of Contract; and the Bidder’s conforme thereto; and
 - v. Other contract documents that maybe required by existing laws and/or the Procuring Entity concerned in the PBDs. **Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and Warranty Security, shall likewise form part of the Contract.**
3. In consideration for the sum of [*total contract price in words and figures*] or such other sums as may be ascertained, [*Named of the bidder*] agrees to [*state the object of the contract*] in accordance with his/her/its Bid.

4. The *[Name of the procuring entity]* agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

For the Entity:
By

For the Supplier/Service Provider
By:

President and
Chief Executive Officer

Insert Name of Signatory
Insert Legal Capacity of the Signatory

Witnesses

REPUBLIC OF THE PHILIPPINES) S.S.
CITY OF _____)

ACKNOWLEDGMENT

Before me, a notary public for and in the City of _____, this _____, personally appeared the following:

Name	Competent Evidence of Identity	Date/Place Issued

Known to me to be the same persons who executed the foregoing Contract Agreement consisting of three (3) pages, including the page on which this Acknowledgment is written, but excluding Annexes, and they acknowledged to me that the same is their free and voluntary act and deed, as well as that of their respective principals.

WITNESS MY HAND AND SEAL, on the date and in the place first above written.

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OMNIBUS SWORN STATEMENT

REPUBLIC OF THE PHILIPPINES)
CITY/MUNICIPALITY OF _____) S.S.

AFFIDAVIT

I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:

1. *[Select one, delete the other:]*

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. *[Select one, delete the other:]*

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable)];

3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, **by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;**

4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;

5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;

6. *[Select one, delete the rest:]*

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical

Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of *[Name of Bidder]* is related to the Head of the Procuring Entity, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

7. *[Name of Bidder]* complies with existing labor laws and standards; and
8. *[Name of Bidder]* is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract;
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the *[Name of the Project]*.
9. *[Name of Bidder]* did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
10. *[Name of Bidder]* hereby assigns the following contact number/s and e-mail address/es as the official telephone/fax number and contact reference of the company where the PROCURING ENTITY notices may be transmitted.

Telephone No/s. : _____
Fax No/s. : _____
E-mail Add/s. : _____

It is understood that notices/s transmitted in the above-stated telephone/fax numbers and/or e-mail address/es are deemed received as of its transmittal and the reckoning period for the reglementary periods stated in the bidding documents and the revised Implementing Rules and Regulations of Republic Act No. 9184 shall commence from receipt thereof.

11. **In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.**

IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of _____, 20____ at

_____, Philippines.

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]

[Insert signatory's legal capacity]
Affiant

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. _____ issued on ____ at _____.

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

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued]*, *[place issued]*

IBP No. _____ *[date issued]*, *[place issued]*

Doc. No. _____

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REPUBLIC OF THE PHILIPPINES)
CITY OF _____) S.S.

PERFORMANCE SECURING DECLARATION

Invitation to Bid: [Insert Reference Number indicated in the Bidding Documents]
To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

1. I/We understand that, according to your conditions, to guarantee the faithful performance by the supplier/distributor/manufacturer/contractor/consultant of its obligations under the Contract, I/we shall submit a Performance Securing Declaration within a maximum period of ten (10) calendar days from the receipt of the Notice of Award prior to the signing of the Contract.
2. I/We accept that: I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of one (1) year for the first offense, or two (2) years **for the second offense**, upon receipt of your Blacklisting Order if I/We have violated my/our obligations under the Contract;
3. I/We understand that this Performance Securing Declaration shall cease to be valid upon:
 - a. issuance by the Procuring Entity of the Certificate of Final Acceptance, subject to the following conditions:
 - i. Procuring Entity has no claims filed against the contract awardee;
 - ii. It has no claims for labor and materials filed against the contractor; and
 - iii. Other terms of the contract; or
 - b. replacement by the winning bidder of the submitted PSD with a performance security in any of the prescribed forms under Section 39.2 of the 2016 revised IRR of RA No. 9184 as required by the end-user.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this _____ day of [month] [year] at [place of execution].

*[Insert NAME OF BIDDER OR ITS
AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant*

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. _____ issued on ____ at _____.

Witness my hand and seal this ____ day of [month] [year].

NAME OF NOTARY PUBLIC

Serial No. of Commission _____

Notary Public for _____ until _____

Roll of Attorneys No. _____

PTR No. _____ *[date issued], [place issued]*

IBP No. _____ *[date issued], [place issued]*

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NET FINANCIAL CONTRACTING CAPACITY

Current Assets	_____
Less: Current Liabilities	_____
Total	_____
Multiply by K	15
Total	_____
Less: Value of All Outstanding Works or Projects Under On-going Contracts	_____
Net Financial Contracting Capacity	=====

Net Financial Contracting Capacity (NFCC)

NFCC = at least equal to the Approved Budget

= [(current assets - current liabilities) (K) - (value of all outstanding works or projects under on-going contracts, including awarded contracts yet to be started)]

Name of Company: _____

Authorized Representative: _____

signature over printed name

