



HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE
Fort Andres Bonifacio, Taguig City

BIDDING DOCUMENTS

for the

**Procurement of One (1) Lot
Disappearing Automatic Retaliatory
Target (DART) System**

SIG PABAC2-013-23

ABC: ₱100,152,000.00

Date of Opening of Bids: November 8, 2023 at 1:30 PM

**Sixth Edition
July 2020**

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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

Procurement of One (1) Lot DART System

1. The Philippine Army, through the **Advice of Sub-Allotment (ASA) Nr 2100-2023-0240 dated 01 April 2023 duly signed by COL RAMON ANTONIO E BELLO GSC (ARM) PA, AC of S for FM, G10, PA**, intends to apply the sum of **One Hundred Million One Hundred Fifty-Two Thousand Pesos (PhP100,152,000.00)** being the ABC to payments under the contract for the **Procurement of One (1) Lot DART System** under **SIG PABAC2-013-23**. Bids received in excess of the ABC shall be automatically rejected at bid opening.

2. The Philippine Army now invite Bids for the above Procurement Project. Delivery of the Goods is required within **One Hundred Fifty (150) calendar days** from receipt of Notice to Proceed (NTP) by the Supplier, which date shall not be later than seven (7) days from the issuance of NTP. 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) No. 9184 otherwise known as the “Government Procurement Reform Act”.

Bidding is open to all interested bidders, whether local or foreign, subject to the conditions for eligibility provided in the 2016 revised IRR of RA No. 9184.

4. Prospective Bidders may obtain further information from PABAC2 Secretariat and inspect the Bidding Documents at the address given below during office hours (8:00AM to 4:00PM) on weekdays only.

5. The complete set of Bidding Documents may be acquired by interested Bidders on **October 17, 2023** from the given address and websites below in the amount of **₱50,000.00**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees presented in person, by facsimile, or through electronic means.

6. The Philippine Army through PABAC2 will hold a Pre-Bid Conference on the time and date as specified below at the Office of the PABAC2, Fort Andres Bonifacio, Taguig City and/or through video conferencing or webcasting via Zoom, which shall be open to prospective bidders.

7. Bids must be duly received by the PABAC2 Secretariat through manual submission at the office address indicated below on or before the date of submission of bids. 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 the date as specified below and at the given address below and/or through video conferencing or webcasting. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.

The schedule of the bidding activities shall be as follows:

ACTIVITIES	TIME and DATE	VENUE
1. Sale and Issuance of Bidding Documents	8:00AM to 4:00PM Mondays to Fridays only starting on October 17, 2023	Office of the PABAC2, Fort Andres Bonifacio, Taguig City, Metro Manila
2. Pre-Bid Conference	October 24, 2023 at 1:30 PM	
3. Submission, Opening, and Bids Evaluation	November 8, 2023 at 1:30 PM	

10. The Philippine Army 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 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.

Tie breaking method should be non-discretionary and non-discriminatory. The same shall be based on sheer luck or chance (Toss coin and in chronological order based on the submission of bids).

11. For further information, please refer to:

Office of the PA Bids and Awards Committee 2

Fort Andres Bonifacio, Taguig City

BGEN ALVIN V FLORES PA

PABAC2 Chairperson

Contact Nr. **+63939-318-5696**


Telephone Nr. **845-9555 local 4084**

Email address: **pabacsec2@gmail.com**

12. You may visit the following websites for downloading of Bidding Documents:

- **philgeps.gov.ph**
- **army.mil.ph**

Date of Issue: _____


ALVIN V FLORES
 Brigadier General, PA
 Chairperson

Section II. Instruction to Bidders

1. Scope of Bid

The Procuring Entity, Philippine Army wishes to receive Bids for the Procurement of One (1) Lot DART System.

The Procurement Project (referred to herein as "Project") is composed of the following:

1.	Central Target System Computer for DART	10	sets	₱4,573,800.00
2.	Moving Target machine w/ software	12	sets	₱95, 578,200.00
3.	Electronic hit scoring system w/ fixtures & LOMAH software	40	sets	
4.	Target mechanism w/ software	260	sets	
5.	Device connector w/ software	12	sets	
6.	Junction box for moving target mechanism w/ software	35	sets	
7.	Control box for target mechanism w/ software	35	sets	
8.	Horn	12	pcs	
9.	Cable set	5	sets	

(Note: The total bid price must be within the ABC and shall not exceed per items as indicated above)

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 2023 in the amount of **One Hundred Million One Hundred Fifty-Two Thousand Pesos (PhP100,152,000.00).**

2.1. The source of funding is the General Appropriations Act FY 2023 (RA 11936 – CO).

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 of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership exceeding those allowed under the rules may participate pursuant to:
 - i. When the Goods sought to be procured are not available from local suppliers;
- 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 **Expendable** Supplies: The Bidder must have completed a single contract that is similar to this Project, equivalent to **at least twenty-five percent (25%)** of the ABC; or
 - b. The Bidder should comply with the following requirements:
 - i. Completed **at least two (2) similar contracts**, the aggregate amount of which should be equivalent to **at least twenty-five percent (25%)** in the case of expendable supplies of the ABC for this Project; and
 - ii. The largest of these similar contracts must be equivalent to **at least half of the percentage** of the ABC as required above.
- 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

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 indicated herein 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 the last 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 Declaration or any form of Bid Security in the amount indicated in the **BDS**, which must be exact amount based on ABC in accordance with the schedule in the **BDS**.

14.2. The Bid and bid security shall be valid within one hundred twenty (120) calendar days from the date of opening of bids. Any Bid not accompanied by 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: One Project having several items that 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

ITB Clause	
3	Non-compliance and/or non-conformance with the prescribed forms as provided in the Annexes of this Bidding Documents will be a ground for disqualification.
5.2	Foreign Bidders must be duly represented by an authorized local representative (any corporate body or commercial company duly organized and registered under the laws of the Philippines or a citizen of the Philippines).
5.3	For this purpose, contracts similar to the Project shall mean <i>“Disappearing Automatic Retaliatory Target (DART) System”</i> which must be completed within five (5) years prior to the deadline of the submission and receipt of bids.
7	No portion of the contract shall be subcontracted.
10	<p>For foreign bidders, the equivalent document/s issued by the appropriate authority in the country of origin of the bidder concerned must be presented. If said document has no appropriate equivalent, a Certificate of Inexistence of Appropriate Foreign Equivalent may be submitted.</p> <p>The local representative of Foreign Bidders shall also submit PhilGEPS Certificate of Registration (Platinum Membership), or a Valid and Current Proof of Authority issued by the foreign bidder (in case the authorized local representative is an individual).</p> <p>Each partner of the joint venture shall submit their respective PhilGEPS Certificates of Registration. The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance. The partner responsible to submit the NFCC shall likewise submit the Statement of all of its on-going contracts and Audited Financial Statements.</p>
12.1	The price of the Goods shall be quoted Delivered-Duty-Paid (DDP) to be delivered at: HMTS, IMTC, TRADOC, PA, Camp O'Donnell, Capas, Tarlac, Philippines.
14.1	<p>The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts:</p> <ol style="list-style-type: none"> The amount of not less than Two Million Three Thousand and Forty Pesos (PhP2,003,040.00) which is equivalent to two percent (2%) of the ABC, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or The amount of not less than Five Million Seven Thousand Six Hundred Pesos (PhP5,007,600.00) which is equivalent to five percent (5%) of the ABC, if bid security is in Surety Bond. <p>Note:</p> <ul style="list-style-type: none"> The bid security shall be payable to the Procuring Entity, however, if it is in the form of a manager's check, it shall be payable to the Collecting Officer, Finance Center, PA.

15	<p>Each Bidder shall submit one (1) original and two (2) other copies of the first and second components of its bid with proper tabbing.</p> <p>Note:</p> <ul style="list-style-type: none">The Bid shall be signed on every page and/or initialed by the duly authorized representative/s of the bidder to include all photocopies. Any document that was not signed and/or initialed by the authorized representative/s of the bidder shall be a ground for disqualification.																									
18	Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.																									
19.3	<p>The Project shall be awarded as one contract.</p> <table><tr><th>Description</th><th>Qty</th><th>ABC (Pesos)</th></tr><tr><td>Central Target System Computer for DART</td><td>10 sets</td><td rowspan="10">100,152,000.00</td></tr><tr><td>Moving Target machine w/ software</td><td>12 sets</td></tr><tr><td>Electronic hit scoring system w/ fixtures & LOMAH software</td><td>40 sets</td></tr><tr><td>Target mechanism w/ software</td><td>260 sets</td></tr><tr><td>Device connector w/ software</td><td>12 sets</td></tr><tr><td>Junction box for moving target mechanism w/ software</td><td>35 sets</td></tr><tr><td>Control box for target mechanism w/ software</td><td>35 sets</td></tr><tr><td>Horn</td><td>12 pcs</td></tr><tr><td>Cable set</td><td>5 sets</td></tr><tr><td colspan="2">Total</td><td>100,152,000.00</td></tr></table>	Description	Qty	ABC (Pesos)	Central Target System Computer for DART	10 sets	100,152,000.00	Moving Target machine w/ software	12 sets	Electronic hit scoring system w/ fixtures & LOMAH software	40 sets	Target mechanism w/ software	260 sets	Device connector w/ software	12 sets	Junction box for moving target mechanism w/ software	35 sets	Control box for target mechanism w/ software	35 sets	Horn	12 pcs	Cable set	5 sets	Total		100,152,000.00
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20.2	<p>Post-Qualification Requirements: In accordance with Section 34.2 the 2016 Revised IRR of RA No 9184, the Bidder shall submit the following documents within a non-extendible period of five (5) calendar days from receipt of the notice from the BAC that it is the LCB/SCB:</p> <p style="text-align: center;">POST-QUALIFICATION REQUIREMENTS</p> <p><u>Present Original Copy and submit photocopy:</u></p> <table><tr><th>TAB</th><th>Additional Post Qualification Requirements</th></tr><tr><td>A</td><td>Valid and updated PhilGEPS Registration Certificate (Platinum Membership) in accordance with Section 8.5.2 of the Revised IRR of RA 9184 dated 30 December 2021 and GPPB Resolution 15-21 dated 14 October 2021.</td></tr></table>	TAB	Additional Post Qualification Requirements	A	Valid and updated PhilGEPS Registration Certificate (Platinum Membership) in accordance with Section 8.5.2 of the Revised IRR of RA 9184 dated 30 December 2021 and GPPB Resolution 15-21 dated 14 October 2021.																					
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	B	<ul style="list-style-type: none"> • Registration Certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives • Valid and Current Mayor's/Business permit issued by the local government where the principal place of business of the bidder is located • Valid and Current Tax Clearance per E.O. No. 398, s. 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR) • Latest Audited Financial Statements showing, among others, the prospective bidder's total and current assets and liabilities stamped "<i>received</i>" if manually filed or "<i>attachment of system generated Transaction Reference Number and email to the system user</i>" if electronically filed issued by the Bureau of Internal Revenue or its duly accredited and authorized institutions, for the preceding calendar year which should not be earlier than two years from the date of bid submission; Provided that original copies of the digitally submitted documents will be presented upon request.
	C	Latest income and business tax returns within the last six (6) months preceding the date of bid submission, manually filed Tax Returns or filed and paid through the BIR Electronic Filing and Payment System (eFPS)
	D	Certificate from AFPPS that the bidder has no overdue delivery and is not Blacklisted, if not submitted during bid opening
	E	Certificate of Notarial Commission of the lawyer who notarized the documents submitted by the bidder
	F	Supporting documents for all on-going government and private contracts: <ol style="list-style-type: none"> Notice of Award; or Notice to Proceed; or Contract; or Purchase Order or its equivalent issued by the end-user; and If applicable, Notice of Extension/Suspension if the project is overdue.
	G	Supporting documents for the Single Largest Completed Contract: <ol style="list-style-type: none"> 1. Notice of Award, Notice to Proceed, Contract, Purchase Order or its equivalent issued by the end-user; and 2. Certificate of Completion and/or Technical Inspection and Acceptance Committee (TIAC) Report, Sales Invoices with Official Receipts, End-User's Acceptance or its equivalent, provided that the same expressly states that the Goods were received in good condition.
	H	Company Profile (Organization, Affiliated Companies, Production Capability)
	I	Vicinity map/location of the business
	J	Warranty Undertaking (Annex 8)
	K	Certificate of Replacement for Defective Items (Annex 9).

	L	Colored Manufacturer's Brochure or Literature of the product being offered. Internet downloads may be included to supplement the information contained in the original brochures
	M	Valid and Current Certificate of Distributorship, Dealership or Resellership issued by the manufacturer
	N	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.
	O	Certification from the DTI if the Bidder claims preference as a Domestic Bidder or Domestic Entity.
<p>FOR FOREIGN MANUFACTURER/BIDDER:</p> <p>➤ Equivalent to the above-enumerated documents issued by country or place of business in English. If not in 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; AND</p> <p>Note: <i>The local representative of the foreign bidder must likewise submit and present Registration Certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives; and, its Valid and current Mayor's/Business permit issued by the local government where the principal place of business of the bidder is located.</i></p> <p>In case of Joint Venture, each partner must present/submit the above documents. The partner who is responsible to submit the NFCC shall submit the Statement of all its on-going contracts and its supporting documents.</p> <p>Note:</p> <p>Failure to submit the following requirements on time or a finding against the veracity of such shall be ground for the forfeiture of the bid security and disqualify the bidder for award.</p>		
21.1	<p>Subject to submission of documents that may be required by existing laws and the Procuring Entity</p> <p>Additional Contract Document/s:</p> <ul style="list-style-type: none"> • Applicable to Foreign Bidders: <ul style="list-style-type: none"> a. The equivalent to the above-enumerated Class "A" documents issued by country or place of business, in English shall be submitted. If not in English, it must be 	

	<p>accompanied by a translation in 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, all said 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; AND</p> <p>b. SEC Certificate of Registration of the Foreign Corporation, or the SEC Certificate of Registration of the Foreign consulting firm, and/or the authority or license from the appropriate Government Agency or Professional Regulatory Body of the Foreign Professionals engaging in the practice of regulated professionals and allied professions, where applicable, to be submitted within ten (10) calendar days from receipt of the Notice of Award, pursuant to GPPB Resolution No 25-2019 dated 30 October 2019.</p> <p>Note: <i>For the Local representative of the foreign bidder:</i> It must likewise submit and present Registration Certificate from the Securities and Exchange Commission (SEC), Department of Trade and Industry (DTI) for sole proprietorship, or CDA for cooperatives; and, its Valid and current Mayor's/Business permit issued by the local government where the principal place of business of the bidder is located.</p> <p>In case of Joint Venture (both local and foreign manufacturers), both partners must present/submit the above documents.</p>
21.2	No additional requirements.

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

- 5.1 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.
- 5.2 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 the 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><i>For Goods Supplied from Abroad:</i> The delivery term applicable to the Contract is “Delivered-Duty-Paid (DDP) at Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O’Donnell, Capas, Tarlac, Philippines in accordance with INCOTERMS.</p> <p><i>For Goods Supplied from Within the Philippines:</i> “The delivery terms applicable to this Contract is “delivered at Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O’Donnell, Capas, Tarlac, Philippines”. 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>In addition to the above delivery terms, delivery of the goods shall be made by the Supplier in accordance with the terms specified in Section VI. Schedule of Requirements.</p> <p>Deliveries for “safekeeping” is not allowed.</p> <p>The details of shipping and/or other documents to be furnished by the Supplier are as follows:</p> <p><i>For Goods supplied from within the Philippines:</i> Upon delivery of the Goods to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents to the Procuring Entity:</p> <ul style="list-style-type: none"> (i) Original and four copies delivery receipt/note, railway receipt, or truck receipt; (ii) Original Supplier’s factory inspection report; (iii) Original and four copies of the Manufacturer’s and/or Supplier’s warranty certificate; (iv) Original and four copies of the certificate of origin (for imported Goods); (v) Delivery receipt detailing number and description of items received signed by the authorized receiving personnel; and

	<p>(vi) Certificate of Acceptance/Inspection Report signed by the Procuring Entity's representative at the Project Site.</p> <p><i>For Goods supplied from abroad:</i></p> <p>Upon shipment, the Supplier shall notify the Procuring Entity and the insurance company by cable the full details of the shipment, including Contract Number, description of the Goods, quantity, vessel, bill of lading number and date, port of loading, date of shipment, port of discharge etc. Upon delivery to the Project Site, the Supplier shall notify the Procuring Entity and present the following documents as applicable with the documentary requirements of any letter of credit issued taking precedence:</p> <ul style="list-style-type: none"> (i) Original and four copies of the Supplier's invoice showing Goods' description, quantity, unit price, and total amount; (ii) Original and four copies of the negotiable, clean shipped on-board bill of lading marked "freight pre-paid" and five copies of the non-negotiable bill of lading; (iii) Original Supplier's factory inspection report; (iv) Original and four copies of the Manufacturer's and/or Supplier's warranty certificate; (v) Original and four copies of the certificate of origin (for imported Goods); (vi) Delivery receipt detailing number and description of items received signed by the Procuring Entity's representative at the Project Site; and (vii) Certificate of Acceptance/Inspection Report signed by the Procuring Entity's representative at the Project Site. <p>For purposes of this Clause, the Procuring Entity's Representative at the Project Site is: TWG for DART; PA TIAC; PAO-GS; and OG10, PA.</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> <ul style="list-style-type: none"> ➤ Furnishing of tools required for assembly and/or maintenance of the supplied Goods; ➤ Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of 1 year as agreed upon by both parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; ➤ 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 ➤ Manufacturer's technician, operators and engineers to provide technical assistance during the duration of PA hosting of ASEAN Armies Rifle Meet (AARM) 2024.
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- 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.
- After the warranty period, the manufacturer to conduct maintenance visits at the request and expense of the procuring entity.

Packaging – (Annex 4-C)

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.

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.

The outer packaging must be clearly marked on at least four (4) sides as follows:

Name of the Procuring Entity: **Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines**

Name of the Supplier:

Contract Description:

Final Destination:

Gross weight:

Any special lifting instructions:

Any special handling instructions:

Any relevant HAZCHEM classifications:

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.

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.
The packaging, marking, and documentation shall be in accordance with the manufacturer's standard.

Insurance –

The Goods supplied under this Contract shall be fully insured by the Supplier in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery. The Goods remain at the risk and title of the Supplier until their final acceptance by the Procuring Entity.

Transportation –

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.

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.

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* in accordance with the revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184.

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 Supplier's 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>Patent Rights – The Supplier shall identify to 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> <p>For the given project in this Contract as awarded, all bid prices are considered fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances and upon prior approval of the GPPB in accordance with Section 61 of R.A 9184 and its 2016 Revised IRR.</p>
2.2	<p>Payments shall be made only upon a certification by the HoPE to the effect that the Goods have been rendered or delivered in accordance with the prescribed delivery schedule of this Contract, and have been duly inspected and accepted by the TIAC</p> <p>Payment shall be made by check for Local supplier/manufacturer or through Letter of Credit in case of foreign supplier/manufacturer.</p> <p>In case payment shall be made by L/C, the PROCURING ENTITY shall open the irrevocable L/C in favor of the Supplier in accordance with the terms provided below in an Authorized Government Depository Bank after the approval of the Contract by the HOPE and cash transfer from the PA to the Authorized Government Depository Bank, to wit:</p> <ul style="list-style-type: none"> (a) Mode of Transmission: Full cable telex/S.W.I.F. T; (b) Advising and/or Confirmation: L/C may be advised and/or confirmed by any bank to be identified by the Supplier, at the latter's sole expense; (c) Payee Bank: The L/C draft (if any) shall be drawn on the confirming bank; (d) Beneficiary: [Insert name and address of Supplier with Point of Contact; (e) Currency and Amount of L/C: L/C shall be in Philippine Peso, in an amount equivalent to the Total Contract Price. The 95% of the amount of L/C shall be released upon completion of all the required documents enumerated in SCC Clause 2.2(g) of the bidding documents and the 5% shall be released upon expiration of the warranty period provided in the bidding documents; (f) Expiration Date: One Hundred Eighty (180) calendar days from issue date of the L/C; (g) Payment Scheme Documentary Requirements: Payment will be "One Time Payment" and shall be made to the Supplier at the time of acceptance of the GOODS by the PROCURING ENTITY in accordance with Section VI. Schedule of Requirements, and the submission or presentation of the following documents: <ul style="list-style-type: none"> i. Supplier's invoice showing GOODS' description, quantity, unit price, and total amount; ii. Negotiable, clean shipped on-board Bill of Lading marked "Freight Pre-Paid" and/or "Non-Negotiable Bill of Lading" or "Airway Bill"; iii. Original Supplier's factory inspection report or certificate of pre-delivery test and inspection report by PA TIAC (as applicable);

	<p>iv. Manufacturer's and/or Supplier's warranty certificate; Original Manufacturers/Product Warranty/Guaranty Certificate/s issued in the name of the Philippine Army minimum of one (1) year from the date of final acceptance (full replacement for defective items); <u>Warranty should indicate the Serial Number of the goods;</u></p> <p>v. Certificate of Origin (for imported GOODS);</p> <p>vi. Delivery Receipt detailing number and description of items received signed by the Procuring Entity's representative at the Delivery Place;</p> <p>vii. Certificate of Acceptance by the PA Technical Inspection and Acceptance Committee (PA TIAC);</p> <p>viii. Original Manufacturers Certificate re: Date of Manufacture of the product should be not more than one (1) year from the date of delivery (brand new/freshly manufactured);</p> <p>(h) Description of Goods: As stated in the Technical Specifications with additional requirements as indicated in SECTION VI Schedule of Requirements.</p> <p>(i) Delivery Period: Complete Delivery shall be as follows:</p> <table><tr><th>Lot</th><th>Description</th><th>Delivery Period</th><th>Delivery Place</th></tr><tr><td>1</td><td>One (1) Lot DART System</td><td>Within One Hundred Fifty (150) calendar days after Receipt of Notice to Proceed (NTP).</td><td>Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines</td></tr></table> <p>(j) Shipment:</p> <p>i. One-time shipment; transshipment is acceptable. Negotiability: The L/C shall be irrevocable;</p> <p>(k) Liquidated Damages: Liquidated damages shall be imposed in accordance with Section 68 of the revised Implementing Rules and Regulations (IRR) of Republic Act (RA) 9184.</p> <p>(l) Other Instructions:</p> <p>i. The cost of the opening, as well as advising, confirmation, extension, and/or amendment, if any, of the L/C, and other bank charges shall be for the account of the Supplier;</p> <p>ii. The L/C must be in English; and</p> <p>iii. No boycott or restrictive language.</p>	Lot	Description	Delivery Period	Delivery Place	1	One (1) Lot DART System	Within One Hundred Fifty (150) calendar days after Receipt of Notice to Proceed (NTP).	Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines
Lot	Description	Delivery Period	Delivery Place						
1	One (1) Lot DART System	Within One Hundred Fifty (150) calendar days after Receipt of Notice to Proceed (NTP).	Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines						
3	If the Performance Security is in the form of a Surety Bond, it must be in the name of the Philippine Army/AFP, and its validity must be until the issuance by the Procuring Entity of the Certificate of Final Acceptance. The Surety Bond must be duly notarized and signed by the Supplier's authorized representative indicating therein his/her full name.								
4	The inspections and tests that will be conducted are:								

A. POST-QUALIFICATION involving documents validation and plant/office visit and inspection/testing of sample goods shall be conducted by the Procuring Entity or its designated representatives (PQ Team designated by the BAC) to determine the compliance to the requirements of the end-user as required in the bidding documents. Manufacturer's plant inspection will be conducted, subject to the approval of the Head of the Procuring Entity (HOPE). The Manufacturer/Supplier shall be made to provide pieces of evidence of the compliance of items offered to the specifications as stated in Section VII of the bidding documents and his capability to manufacture/supply the goods/items being required. Expenses incurred related hereto particularly travel and board and lodging expenses shall be borne by the Procuring Entity.

Moreover, the PQ Team will conduct validation to other government agencies.

B. PRE-DELIVERY INSPECTION AND TEST:

All items shall be subjected to Pre-Delivery Inspection (PDI) by the Philippine Army.

1. For Foreign Bidders:

a. All items shall be subjected to pre-delivery inspection (PDI) and test by the Philippine Army representatives. The PDI shall be conducted not later than sixty (60) days prior to the expiry of the required delivery period at the goods' country of origin or as the PA TIAC may direct.

b. The Inspection Team that may attend the pre-delivery test at the country of origin at supplier's expenses shall be composed of **maximum of five (5) members** from designated **PA TIAC and/or TWG for DART** who have technical knowledge relevant to the item being procured.

c. The Manufacturer shall ensure that the Inspection Team will be allowed to jointly participate in the conduct of the testing procedures.

d. Supplier shall shoulder all the costs and expense of travel (via/IATA member airlines in case of international travel) and accommodation and securing visas as necessary and travel insurance of all the Inspection Team Members. In this regard, supplier is required to **ISSUE the required written invitations** to the Inspection team through Philippine Army relative to the PDI within **seven (7) calendar days from receipt of NTP.**

e. Supplier shall conduct product/inspection and pre-departure briefing to orient the members of the Inspection team at least one (1) week prior to departure date. Supplier shall ensure that a full time/on-board interpreter is available for non-English speaking country of manufacturer/plant site. Travel documents including insurance must be submitted to the inspection team during the pre-departure briefing.

f. Failure to provide such invitation per paragraph *d* above may result in delays in release of required travel orders for the inspection team and may subject the supplier to applicable sanctions including liquidated damages due to late delivery.

The PDI shall be conducted in accordance with the prescribed PA Test and Acceptance Procedures or if "Manufacturer's Standard is reflected as to the requirement in the PA TS/TAP, the Manufacturer's TS and TAP must be in accordance to NATO or equivalent.

Cost of testing shall be for the account of the supplier.

2. For Local Bidders:

a. Pre-delivery inspection of the items to be conducted by the designated **PA TIAC** who have technical knowledge relevant to the item being procured at **Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines; OR** at the Local Manufacturer's facilities; **OR** as the PA TIAC may direct.

b. All incidental and related expenses relative to inspection shall be for the account of the manufacturer.

c. Acceptance Tests to be conducted as per prescribed Test and Acceptance Procedures. **(Section VII) Cost of samples to be used for testing shall be for the account of the manufacturer. The samples shall be over and above the quantity to be delivered.**

SPECIFICATIONS:

Lot	Description	Technical Specifications	Test and Acceptance Procedures
1	DART System	See Attached (Section VII)	See Attached (Section VII)

All items in the DART System to be supplied must come from one (1) source and manufacturer only.

Date of Manufacture of Item: All items must have a manufacturing date which should not be more than **one (1) year** from date of delivery (**brand new/freshly manufactured**);

C. Final Inspection and Acceptance will be at the Delivery Place. Completeness and appropriateness of the delivered goods shall be inspected by the Procuring Entity's representative at the Delivery Place at the soonest time possible. After completion of the inspection, the inspection team shall furnish the following reports;

1. Final Inspection and Acceptance Report by the TIAC;
2. OG10 Inspection Report;
3. SAO/APAO Acceptance Report;

	<p><u>Correction of Defects:</u></p> <p>a. During Pre-Delivery Inspection. Any defects noted during pre-delivery inspection shall be corrected prior to shipment of the goods subject for another test and inspection.</p> <p>b. During TIAC Inspection:</p> <p>b1. For items delivered within the delivery period, the Supplier shall be allowed to correct defects within 30 calendar days upon receipt of written Notice from the PAPC or within the remaining days of the delivery period, whichever comes later. (Note: This provision is not applicable to items delivered beyond the delivery period.)</p> <p>b2. For items delivered after the lapse of the delivery period, the Supplier shall be allowed to correct defects, subject to the imposition of liquidated damages.</p>
	<p><u>TIAC Non-Acceptance of Goods:</u></p> <p>In case items are rejected, the PA TIAC shall issue Certificate of Non-Acceptance on the cause of non-compliance of the goods. A corresponding Notice of Non-Acceptance shall then be issued by Philippine Army Procurement Center (PAPC) to the supplier.</p> <p>In case of rejection, the Goods shall be secured and shall remain under the custody of the PA until re-exported (if imported) at the expense of the supplier to include storage charges, subject to the applicable laws in the Philippines.</p> <p><u>Supplier shall be subjected to blacklisting due to termination for default.</u></p>
5.1	<p>The warranty shall be covered by, either retention money in an amount equivalent to five percent (5%), or a special bank guarantee equivalent to five percent (5%) of the Contract Price in favor of the Armed Forces of the Philippines.</p> <p>The warranty period shall be one (1) year after acceptance by the Procuring Entity of the Delivered Goods. The manufacturer shall issue a Warranty Certificate that shall cover a minimum of one (1) year after the acceptance by the Procuring Entity of the Delivered Goods.</p> <p>The Obligation for the warranty shall only be released after the lapse of the warranty period.</p>
5.2	<p>The period for repair or replacement for the defective goods or parts thereof shall be within Thirty (30) Calendar Days (maximum) upon receipt of the Notice of Defects.</p> <p>The PROCURING ENTITY through the TIAC may invoke for warranty claims for the GOODS or any part thereof that fail to conform to the specifications within the warranty period. The Supplier shall either rectify or replace such defective GOODS or parts thereof or make alterations necessary to meet</p>

	the specifications at no cost to the PROCURING ENTITY, and shall inspect the rectified/replaced goods, at no cost to the PROCURING ENTITY, upon giving a notice pursuant to GCC Clause 5.2.
6	<p>When the supplier fails to satisfactorily deliver the goods or services under the contract within the specified delivery schedule or project implementation schedule, inclusive of duly granted time extensions, if any, the supplier shall be liable for damages for the delay and shall pay the Procuring Entity liquidated damages, not by way of penalty, for every day of delay until such goods or services are finally delivered or performed and accepted by the Procuring Entity concerned.</p> <p>The amount of the liquidated damages shall be at least equal to one-tenth of one percent (0.001) of the cost of the unperformed portion for every day of delay. Once the cumulative amount of liquidated damages reaches ten percent (10%) of the amount of the contract, the Procuring Entity may rescind or terminate the contract without prejudice to other courses of action and remedies available under the circumstances.</p>

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.

Description	Quantity	Operations & Maintenance Manual (pcs)	Delivery Period	Delivery Place
Central Target System Computer for DART	10 sets	10	Within One Hundred Fifty (150) calendar days upon Receipt of NTP	Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines
Moving Target machine w/ software	12 sets	5		
Electronic hit scoring system w/ fixtures & LOMAH software	40 sets	40		
Target mechanism w/ software	260 sets	5		
Device connector w/ software	12 sets	5		
Junction box for moving target mechanism w/ software	35 sets	5		
Control box for target mechanism w/ software	35 sets	5		
Horn	12 pcs	5		
Cable set	5 sets	5		

Section VII. Technical Specifications

ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



MARKSMANSHIP TRAINING SCHOOL
 INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Central Target System Computer for DART)

Application: A portable target system computer which is used to control all devices / equipment in the shooting system.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material, Construction & Design	<ul style="list-style-type: none"> Reinforced, robust, manageable, and transportable console A reinforced transport case will be included, capable of isolating the controller/PC from inclement weather.
1.2 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> Not longer than 480mm
2.2 Width	<ul style="list-style-type: none"> Not wider than 380mm
2.3 Height	<ul style="list-style-type: none"> Not higher than 220mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 12kg
3. MARKINGS	
	<ul style="list-style-type: none"> ID Serial Number (MTS – aa – xxx) aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60 Hz / 12V DC
5. OPERATING SPECIFICATIONS	
5.1 Communication	<ul style="list-style-type: none"> Could connect to transceiver for communication with Target Mechanism, Moving Target Machine and Electronic Hit Scoring System. With antenna The communication range between the radio transmitter-emitter and the Target Mechanisms, the Moving Target Machines, and the Electronic Hit Scoring System will be at least 1000 m.



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	<ul style="list-style-type: none"> The communication range between the PC and the Target Mechanisms, the Moving Target Machines, and the Electronic Hit Scoring System by wire communication will be 100 m (up to 1000m if with signal repeater) and through radio signal will be 1000m
5.2 Operating System	<ul style="list-style-type: none"> OS Windows 10 Pro (64-bit) or later
5.3 Connectivity	<ul style="list-style-type: none"> Ethernet/USB Commercial connectors for data extraction and integration of peripherals
5.4 Screen Display	<ul style="list-style-type: none"> 15 inches (minimum) Up to 600 brightness, screen readable in sunlight connect to industrial PC via CTP/HDMI Selection of screen brightness for day and night mode
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Rating	<ul style="list-style-type: none"> From 0°C to 70°C
6.2 Working Environment	<ul style="list-style-type: none"> Works Outdoor
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software/Operating System	
8.1 OS	<ul style="list-style-type: none"> The software can be integrated to control all the Target Mechanisms, the Moving Target Machines, and the Electronic Hit Scoring System. Support auto update and license. Allow the printing of the results of the exercise by using external printer with USB port. It is modular and scalable so that it has the capacity to update and expand its function in a simple way by loading modules, patches or similar function. Allow the installation of the software of the different components for the recovery of the system in case of need.
8.2 Features	<ul style="list-style-type: none"> Planning



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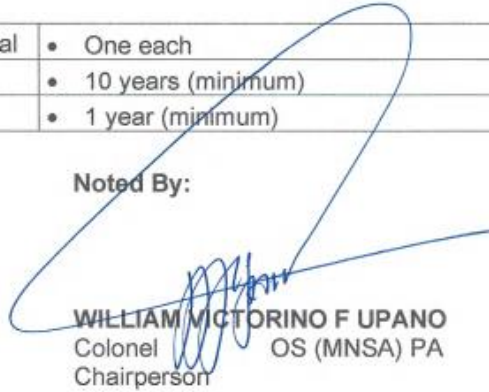
	<ul style="list-style-type: none"> • Dry exercise • Execution of the exercise • Evaluation • Data Management
9. PERIPHERALS	
11.1 Operation and Maintenance Manual	• One each
10. SHELF LIFE	• 10 years (minimum)
11. WARRANTY	• 1 year (minimum)

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ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



**MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac**



**TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Moving Target Machine w/ software)**

Application: A portable target system which brings a target mechanism that do the function of lifting and lowering the target and moving in a predetermined trajectory. This item does not include the rail for setting up a predetermined trajectory.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	Corrosion resistant treated steel
1.2 Housing Construction	
1.3 Frame	
1.4 Surface Finish	Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	• 600-1000mm
2.2 Width	• 500-750mm
2.3 Height	• 170-350mm
2.4 Weight	• 20-50kg
3. MARKINGS	• ID
	• Serial Number (MTS – aa – xxx)
	• aa – Year of production
	• xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	• 220V AC, 60Hz / 12-24V DC
4.2 Power Consumption	• Not over 500W
5. OPERATING SPECIFICATIONS	
5.1 Control	• Wired/Wireless system. Manual or Pre-programmed
5.2 Speed	• 1-3 m/s or faster
5.3 Control Distance	• Up to 1Km
5.4 Capacity	• Wired power supply
5.5 Target	• Have position for fixed target and fixture for statistic target mechanism and fixture for Electronic Hit Scoring System target
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	• From 0°C to 70°C
6.4 Chemical Resistance	• Withstands occasional contamination of lubricating oil, fuel (gasoline and diesel) and cleaning compound / solvent.



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7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	• Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	• Manufacturers Specifications
8. Software	
8.1	Compatible & capable of interconnecting with other Target Mechanism clusters, Electronic Hit Scoring System and electronic target controller.
9. Target Holder	
9.1 Length	• 32cm
9.2 Height	• 11cm
9.3 Kind of Lock & size	• 9mm Triangular knob bolt or bigger
9.4 Nr of Lock	• 2
9.5 Lock distance	• 19.5cm centered
10. PERIPHERALS	
10.1 Operation and Maintenance Manual	• One each
11. SHELF LIFE	• 10 years (minimum)
12. WARRANTY	• 1 year (minimum)

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ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



MARKSMANSHIP TRAINING SCHOOL
 INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Electronic Hit Scoring System w/ fixtures & LOMAH software)

Application: A portable target system that provides automatic location of misses and hits by detecting the presence of rounds passing over or detecting sensors attached to the device.

TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material & Construction	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Design	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 740-800mm
2.2 Width	<ul style="list-style-type: none"> 240-260mm
2.3 Height	<ul style="list-style-type: none"> 40-60mm
2.4 Weight	<ul style="list-style-type: none"> 12Kg (gross weight)
3. MARKINGS	<ul style="list-style-type: none"> ID
	<ul style="list-style-type: none"> Serial Number (MTS – aa – xxx)
	<ul style="list-style-type: none"> aa – Year of production
	<ul style="list-style-type: none"> xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
5. OPERATING FUNCTIONS	
5.1 Minimum Features	<ul style="list-style-type: none"> Report Miss/Hit Determine the coordinates of the bullet when it hits the target Calculate scoring Able to detect the bullet direction
5.2 Program Ability	<p>The program must provide the followings:</p> <ul style="list-style-type: none"> Center of impacts. Calibration to be introduced to bring the center of impacts to the center of the target and scoring exactly. Exact location of each impact. Discern between direct impact, rebound, and other lane shooters.



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	<ul style="list-style-type: none"> The exact location of the shots not hit but that have passed 0.5 meters from the center of the target horizontally, and 0.5 meters from the center of the target vertically
5.3 Accuracy Range	<ul style="list-style-type: none"> ±10.0 mm (standard window 1m x 1 m)
5.4 Control Distance	<ul style="list-style-type: none"> Up to 1Km (if the bullet speed @ Electronic Hit Scoring System is over 1.5 Mach)
5.5 Detection Probability	<ul style="list-style-type: none"> 99%
5.6 Detection Area	<ul style="list-style-type: none"> Up to 1.0m x 2.0m (width x height) (Includes both in-target and off-target)
5.7 Firearms Compatibility	<ul style="list-style-type: none"> Must be compatible with various types of firearms: AK47, M16, AR15 Rifle, etc.
5.8 Calculation Ability	<ul style="list-style-type: none"> 10 shots/minute
5.9 Target Analysis	<ul style="list-style-type: none"> Able to view, share on multi-screen and analyze the parameters of the impacts on a target or many targets at the same time in the computer center.
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
6.2 Humidity	<ul style="list-style-type: none"> Up to 95%
6.3 Working Environment	<ul style="list-style-type: none"> Works Outdoor
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software/Operating System	
8.1	<ul style="list-style-type: none"> Allows the possibility of adding new functions Allowing to change training lessons and competition rules Allowing selected communication protocols
9. System Requirements	
9.1	<ul style="list-style-type: none"> Acoustic measurement bar with sensors; Interface cable for communication and power cable. Support for the target mechanism, for easy and precise fixing of the Electronic Hit Scoring System to the Target Mechanism.



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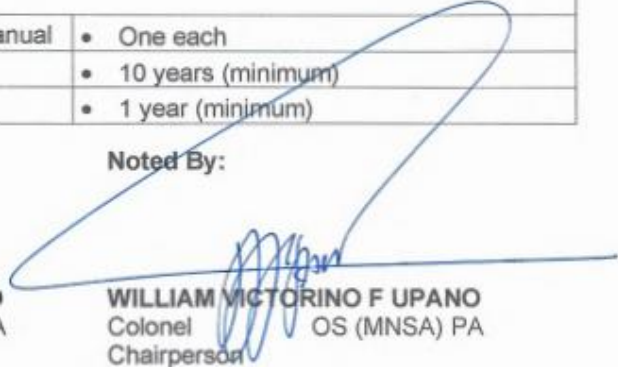
	<ul style="list-style-type: none"> An alignment tool will be provided to allow proper alignment between the Electronic Hit Scoring System and the Target Mechanism.
10. PERIPHERALS	
10.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each
11. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
12. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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ARMY 2040: WORLD-CLASS, MULTI-MISSION READY, CROSS-DOMAIN CAPABLE.



MARKSMANSHIP TRAINING SCHOOL
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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Target Mechanism w/ software)

Application: A portable target system for which is used to pop up / down the target for the shooting purpose training.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material & Construction	<ul style="list-style-type: none"> Cast Aluminum, completely hermetic and protected against humidity or corrosion resistant treated steel.
1.2 Design	<ul style="list-style-type: none"> Ergonomic – Easy to transport, handle, and install.
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 300-600mm
2.2 Width	<ul style="list-style-type: none"> 250-670mm
2.3 Height	<ul style="list-style-type: none"> 120-570mm
2.4 Weight	<ul style="list-style-type: none"> Not over 30kg including support and battery if have
3. MARKINGS	
	<ul style="list-style-type: none"> ID Serial Number (MTS – aa – xxx) aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
4.2 Power Consumption	<ul style="list-style-type: none"> Not more than 100W for 36"x36" target size Not more than 200W for 48"x48" target size
4.3 Safety Feature	<ul style="list-style-type: none"> Overload protection (over current)
5. OPERATING FUNCTIONS	
5.1 Raise / Lower Time	<ul style="list-style-type: none"> Not more than 1.5 seconds
5.2 Control Distance	<ul style="list-style-type: none"> Up to 1Km
5.3 Torque	<ul style="list-style-type: none"> ≥ 25Nm
5.4 Mode	<ul style="list-style-type: none"> Immortal-the target remains raised when it receives an impact. Autofall-the target falls after a set configurable number of impacts Bob-the target falls when hit and rises automatically.



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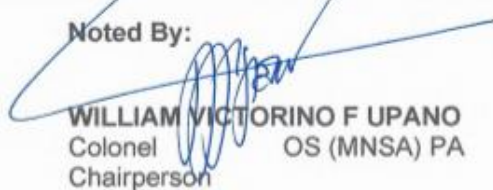
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	• From 0°C to 70°C
6.2 Humidity	• Up to 95%
6.3 Working Environment	• Works Outdoor
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	• Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	• Manufacturers Specifications
8. Software/Operating System	
8.1	• Compatible & capable of interconnecting with other Target Mechanism clusters, Electronic Hit Scoring System and electronic target controller.
9. Target Holder/Clamp	
9.1 Height	• 4"
9.2 Width	• 16"
9.3 Nr of Lock	• 2 (knob type) - centered
9.4 Distance between Lock	• 10" - centered
10. Internal Requirements	
10.1 Motor	• Electric Motor 220V AC, 60Hz / 12V DC
10.2 Mechanical Mechanism	• Spring Coil-based, if any
10.3 Electronics and interface panel	• Sealed
11. PERIPHERALS	
11.1 Operation and Maintenance Manual	• One each
12. SHELF LIFE	• 10 years (minimum)
13. WARRANTY	• 1 year (minimum)

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HONOR. PATRIOTISM. DUTY.



ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



MARKSMANSHIP TRAINING SCHOOL
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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Device Connector w/ software)

Application: A portable tool used for Central Target Computer to connect all the devices in the system.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	
	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 240-260mm
2.2 Width	<ul style="list-style-type: none"> 160-180mm
2.3 Height	<ul style="list-style-type: none"> 45-55mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 2Kg
3. MARKINGS	
	<ul style="list-style-type: none"> ID Serial Number (MTS – aa – xxx) aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> USB (4-12V DC) (directly from central target computer)
5. OPERATING SPECIFICATIONS	
5.1 Control	<ul style="list-style-type: none"> Wired/Wireless System
5.2 Control Distance	<ul style="list-style-type: none"> Up to 100m
5.3 Capacity	<ul style="list-style-type: none"> Wired power supply. Unlimited times of operation
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. PERIPHERALS	
8.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each



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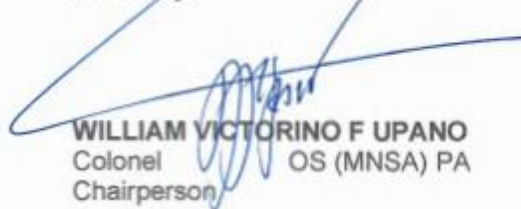
9. Software	
9.1	<ul style="list-style-type: none"> Compatible & capable of interconnecting with other equipment in the system.
10. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
11. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Junction Box for Moving Target Mechanism w/ software)

Application: A portable target system box used to serve the communal meeting spot for electrical power wires and communication wires.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 490-510mm
2.2 Width	<ul style="list-style-type: none"> 190-210mm
2.3 Height	<ul style="list-style-type: none"> 150-250mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 15 Kg
3. MARKINGS	<ul style="list-style-type: none"> ID
	<ul style="list-style-type: none"> Serial Number (MTS – aa – xxx)
	<ul style="list-style-type: none"> aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
5. OPERATING SPECIFICATIONS	
5.1 Control	<ul style="list-style-type: none"> Wired System
5.2 Control Distance	<ul style="list-style-type: none"> Up to 100m
5.3 Capacity	<ul style="list-style-type: none"> Wired power supply. Unlimited times of operation
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software	



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8.1	<ul style="list-style-type: none"> Compatible & capable of interconnecting with other equipment in the system.
9. PERIPHERALS	
9.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each
10. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
11. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Control Box for Target Mechanism w/ software)

Application: A portable target system box used to control the Target Machine.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 380-500mm
2.2 Width	<ul style="list-style-type: none"> 200-300mm
2.3 Height	<ul style="list-style-type: none"> 90-110mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 6Kg
3. MARKINGS	<ul style="list-style-type: none"> ID
	<ul style="list-style-type: none"> Serial Number (MTS – aa – xxx)
	<ul style="list-style-type: none"> aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
4.2 Power Consumption	<ul style="list-style-type: none"> Not more than 700W
5. OPERATING SPECIFICATIONS	
5.1 Communication	<ul style="list-style-type: none"> Wired/wireless System
5.2 Control Distance	<ul style="list-style-type: none"> Standard 30m (Max 100m)
5.3 Capacity	<ul style="list-style-type: none"> Wired power supply. Unlimited times of operation
5.4 Control Output	<ul style="list-style-type: none"> Control up to 10 target mechanisms
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software	



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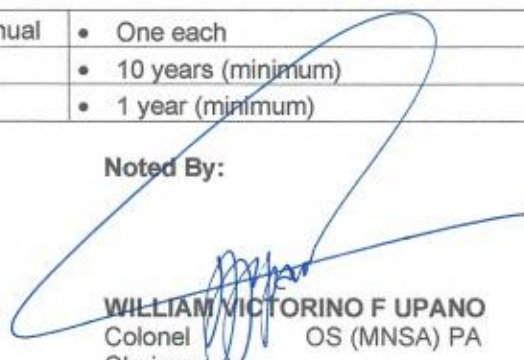
8.1	<ul style="list-style-type: none"> Compatible & capable of interconnecting with other equipment in the system.
9. PERIPHERALS	
9.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each
10. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
11. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Horn)

Application: A device used to signal the start of firing for Pistol Men event.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none">Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	
2. POWER SOURCE	
2.1 Power	<ul style="list-style-type: none">220V AC, 60Hz / 12V DC
3. SOUND	
3.1 Sound Pressure Level	<ul style="list-style-type: none">Minimum 65 decibels
3.2 Distance Reach of Sound	<ul style="list-style-type: none">100 m
4. DIMENSIONS AND WEIGHT	
4.1 Length	<ul style="list-style-type: none">Manufacturers Specification (as long as it is easy to transport, handle, and install)
4.2 Width	
4.3 Height	
4.4 Weight	
5. ENVIRONMENTAL SPECIFICATIONS	
5.1 Temperature Range	<ul style="list-style-type: none">From 0°C to 70°C
6. PERIPHERALS	
6.1 Operation and Maintenance Manual	<ul style="list-style-type: none">One each
7. SHELF LIFE	
8. WARRANTY	
	<ul style="list-style-type: none">10 years (minimum)1 year (minimum)

Prepared By:

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HONOR. PATRIOTISM. DUTY.





MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Cable Set)

Application: A type of wire that connects all the equipment in order to operate the system.	
TECHNICAL DATA	REQUIREMENT
1. CABLE SPECIFICATIONS	
1.1 Color	• Army Green/Black
1.2 Temperature Rating	• From 0°C to 70°C
1.3 Insulation Material	• PVC
1.4 Material	• Military-grade type
1.5 Installation	• Employment of smart designs to guarantee effortless and long-lasting connections while eliminating any potential confusion among various connector types.
2. MARKINGS	
	• ID
	• Serial Number (MTS – aa – xxx)
	• aa – Year of production
	• xxx – Number of items
3. POWER SOURCE	
4.1 Power Supply	• 220V AC, 60 Hz / 12V DC
4. PACKAGING AND MARKINGS	
4.1 Inner	
4.1.1 Packaging	• Manufacturers Specifications
4.2 Outer	
4.2.1 Packaging	• Manufacturers Specifications
5. PERIPHERALS	
5.1 Operation and Maintenance Manual	• One each
6. SHELF LIFE	
	• 10 years (minimum)
7. WARRANTY	
	• 1 year (minimum)

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HEADQUARTERS
PHILIPPINE ARMY
OFFICE OF THE ASSISTANT CHIEF OF STAFF FOR
COMMAND AND CONTROL, COMMUNICATIONS, AND CYBER SYSTEMS, G6
Fort Andres Bonifacio, Metro Manila

PA-TWGDART-01-2023

**TEST AND ACCEPTANCE PROCEDURES FOR
DART SYSTEM**

1. REFERENCE:

- 1.1. Approved Technical Specifications for the DART System.

2. OBJECTIVES:

2.1. The objective of this TAP is to determine the completeness of the Goods being delivered.

2.2. Compliance with the standards enumerated in the bidding documents.

2.3. To determine the 100% functionality of the DART System and their respective accessories and fixtures.

3. GUIDELINES:

3.1. The manufacturer/supplier shall ensure that the goods to be delivered as stated in the contract are packed before inspection.

3.2. The rating system involved in the Acceptance Test will only be passed or failed.

3.3. The acceptance test shall be composed of 100% visual inspection and 100% functional test following the approved Technical Specifications for the DART System and their respective accessories and fixtures.

3.4. In case of failure of any Goods during installation/assembly procedure, the supplier shall be given thirty (30) calendar days for correction of defects/ replacement of defective spare parts.



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3.5. The warranty period shall only take effect upon final acceptance by the Philippine Army Technical Inspection Acceptance Committee (PA TIAC).

3.6. Failure to comply with this procedure shall entail the PROCURING ENTITY to reject the whole quantity during the Final Acceptance by PA TIAC.

3.7. In case one (1) requirement is missing or not functional during the visual inspection and testing, the supplier shall be given fifteen (15) calendar days to complete the requirements, otherwise the PA TIAC shall decline acceptance of the Goods and Services being delivered and thereafter shall inform the BAC in writing of the non-acceptance including the specific reason for the same.

4. PROCEDURES:

The "Test Parameters and Procedures" is applicable for the Final Delivery and Acceptance of the DART System and their respective accessories and fixtures. It is divided into three (3) parts; Completeness Inspection, Visual Inspection, and Functional Testing Parameters and Procedures.

4.1. COMPLETENESS INSPECTION:

To determine the 100% completeness of the required spare parts for DART System and Computer System and their respective accessories and fixtures as listed on the technical specifications.

4.1.1. DART System and Computer System and their respective accessories and fixtures should coincide with the required quantity or more:

Item Nr	Checklist of DART System and Computer System and their respective accessories and fixtures				
	Quantity	Unit	Description	Pass	Fail
	10	sets	Central Target System Computer for DART		
	12	sets	Moving Target machine w/ software		
	40	sets	Electronic hit scoring system w/ fixtures & LOMAH software		
	260	sets	Target mechanism w/ software		
	12	sets	Device connector w/ software		
	35	sets	Junction box for moving target mechanism w/ software		
	35	sets	Control box for target mechanism w/ software		
	12	pcs	Horn		
	5	sets	Cable set		



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4.2. VISUAL INSPECTION PARAMETERS:

4.2.1. OVERALL WORKMANSHIP:

4.2.1.1. Equipment Needed: None.

4.2.1.2. Purpose: To determine the required labeling/markings and overall workmanship of DART System and their respective accessories and fixtures and their fixtures is 100% complete.

4.2.1.3. Procedure: Inspect the DART System and their respective accessories and fixtures and their 100% completeness.

4.2.1.4. Standard:

4.2.1.4.1. There should be no dents, scratches, cracks, signs of corrosion, or other surface defects on the said spare parts.

4.2.1.4.2. Serial numbers and labels must be visible and readable on the said spare parts.

4.2.1.4.3. Spare parts should be properly sealed with labels/markings, and serial number.

4.3. Functional Testing Parameters:

4.3.1. CENTRAL TARGET SYSTEM COMPUTER FOR DART OPERATIONAL TEST:

4.3.1.1. Equipment Needed: Electricity/Battery

4.3.1.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.

4.3.1.3 Procedures:

4.3.1.3.1. Connect the Central Target System Computer for DART with the Target Mechanism, Moving Target Machine, Electronic Hit Scoring System and all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.



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4.3.1.3.2 Check if the screen display panel/keyboard/instrument buttons are working.

4.3.1.3.3 Check if the OS Windows is 10 Pro (64-bit) or later.

4.3.1.3.4 Check if there is/are commercial connectors for data extraction and integration of peripherals.

4.3.1.3.5 Check if screen brightness can be selected for day and night mode.

4.3.1.3.6 Check if it can transmit/receive communication with Target Mechanism, Moving Target Machine, and Electronic Hit Scoring System.

4.3.1.3.7 Check if the Target Mechanism, Moving Target Machine, and Electronic Hit Scoring System can perform according to the commands given by the Central Target System Computer for DART.

4.3.1.3.8 Move the Central Target System Computer for DART at least 1000m from current location and check if it can communicate with the Target Mechanism, Moving Target Machine, and Electronic Hit Scoring System using a signal repeater.

4.3.1.3.9 Check if it can support auto update and license.

4.3.1.3.10 Check if it can print the result of the exercise by using external printer with USB port.

4.3.1.3.11 Check if it can perform the following features; Planning, Dry Exercise, Execution of the Exercise, Evaluation and Data Management.

4.3.1.3.12 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.1.4. Standard:

4.3.1.4.1. The Central Target System Computer for DART should power on.



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4.3.1.4.2 The screen display panel/keyboard/instrument buttons are working.

4.3.1.4.3 The OS Windows should be 10 Pro (64-bit) or later.

4.3.1.4.4 There should be commercial connectors for data extraction and integration of peripherals.

4.3.1.4.5 There should be screen brightness that can be selected for day and night mode.

4.3.1.3.6 It should transmit/receive communication with Target Mechanism, Moving Target Machine, and Electronic Hit Scoring System.

4.3.1.3.7 The Target Mechanism, Moving Target Machine, and Electronic Hit Scoring System should perform according to the commands given by the Central Target System Computer for DART.

4.3.1.3.8 The Central Target System Computer for DART can communicate with the Target Mechanism, Moving Target Machine, and Electronic Hit Scoring System at a distance of 1000m using a signal repeater.

4.3.1.3.9 It must support auto update and license.

4.3.1.3.10 It must print the result of the exercise by using external printer with USB port.

4.3.1.3.11 It must perform the following features; Planning, Dry Exercise, Execution of the Exercise, Evaluation and Data Management.

4.3.1.3.12 It has and can perform all the features stated in the approved technical specifications.

4.3.2. ELECTRONIC HIT SCORING SYSTEM W/ FIXTURES & LOMAH SOFTWARE OPERATIONAL TEST:

4.3.2.1. Equipment Needed: Electricity/Battery

4.3.2.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.



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4.3.2.3.1. Connect the Electronic Hit Scoring System with the Target Mechanism/Moving Target Machine and Central Target System Computer for DART and all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.

4.3.2.3.2 Check if the instrument buttons are working.

4.3.2.3.3 Check if it can report miss/hit.

4.3.2.3.4 Check if it can determine the coordinates of the bullet when it hits the target.

4.3.2.3.5 Check if it can calculate scoring.

4.3.2.3.6 Check if it can determine the exact location of each bullet impact.

4.3.2.3.7 Check if it can discern between direct impact, rebound, and other lane shooters.

4.3.2.3.8 Check if it can determine the exact location of the shots not hit but that have passed 0.5 meters from the center of the target horizontally, and 0.5 meters from the center of the target vertically.

4.3.2.3.9 Check if the accuracy is at ± 10.0 mm (standard window 1m x 1m).

4.3.2.3.10 Check if the detection probability is at 99%.

4.3.2.3.11 Check if it is compatible with various types of firearms: AK47, M16, and AR15 rifles.

4.3.2.3.12. Check if it will be able to view, share on multi-screen and analyze the parameters of the impacts on a target or many targets at the same time in the computer center.

4.3.2.3.13 Check if it has and can perform all the features stated in the approved technical specifications.



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4.3.2.4.1. The Electronic Hit Scoring System should power on.

4.3.2.4.2 The instrument buttons are working.

4.3.2.4.3 It must report miss/hit.

4.3.2.4.4 It can determine the coordinates of the bullet when it hits the target.

4.3.2.4.5 It can calculate scoring.

4.3.2.4.6 It can determine the exact location of each bullet impact.

4.3.2.4.7 It can discern between direct impact, rebound, and other lane shooters.

4.3.2.4.8 The program must be able to determine the exact location of the shots not hit but that have passed 0.5 meters from the center of the target horizontally, and 0.5 meters from the center of the target vertically.

4.3.2.4.9 The accuracy range must be at ± 10.0 mm (standard window 1m x 1m).

4.3.2.4.10 The detection probability should be 99%.

4.3.2.4.11 It must be compatible with various types of firearms: AK47, M16, and AR15 rifles.

4.3.2.4.12. It must be able to view, share on multi-screen and analyze the parameters of the impacts on a target or many targets at the same time in the computer center.

4.3.2.4.13 It has and can perform all the features stated in the approved technical specifications.

4.3.3. TARGET MECHANISM W/ SOFTWARE OPERATIONAL TEST:

4.3.3.1. Equipment Needed: Electricity/Battery



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4.3.3.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.

4.3.3.3. Procedures:

4.3.3.3.1 Connect the Target Mechanism with the Central Target System Computer for DART and all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.

4.3.3.3.2 Check if the instrument buttons are working.

4.3.3.3.3 Check if the power supply is 220V AC, 60Hz / 12V DC.

4.3.3.3.4 Check if it can lift a 36"x36" and a 48"x48" target size.

4.3.3.3.5 Check if it has overload protection (over current).

4.3.3.3.6 Check if the raise and lower time is not more than 1.5 seconds.

4.3.3.3.7 Check if the control distance is up to 1Km.

4.3.3.3.8 Check the torque if it is $\geq 25\text{Nm}$.

4.3.3.3.9 Check if it can perform the following modes: Immortal - the target remains raised when it receives an impact, Autofall - the target falls after a set configurable number of impacts and Bob - the target falls when hit and rises automatically.

4.3.3.3.10 Check if it is compatible & capable of interconnecting with other Target Mechanism clusters, Electronic Hit Scoring System and electronic target controller.



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4.3.3.3.11 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.3.4. Standard:

4.3.3.4.1 The Target Mechanism should power on.

4.3.3.4.2 The instrument buttons are working.

4.3.3.4.3 The power supply should be 220V AC, 60Hz / 12V DC.

4.3.3.4.4 It should be able to lift a 36"x36" and a 48"x48" target size.

4.3.3.4.5 It should have overload protection (over current).

4.3.3.4.6 The raise and lower time must not be more than 1.5 seconds.

4.3.3.4.7 The control distance should be up to 1Km.

4.3.3.4.8 The torque must be $\geq 25\text{Nm}$.

4.3.3.4.9 It should be able to perform the following modes: Immortal - the target remains raised when it receives an impact, Autofall - the target falls after a set configurable number of impacts and Bob - the target falls when hit and rises automatically.

4.3.3.4.10 It must be compatible & capable of interconnecting with other Target Mechanism clusters, Electronic Hit Scoring System and electronic target controller.

4.3.3.4.11 It has and can perform all the features stated in the approved technical specifications.



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4.3.4. MOVING TARGET MACHINE W/ SOFTWARE OPERATIONAL

TEST:

4.3.4.1. Equipment Needed: Electricity/Battery

4.3.4.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.

4.3.4.3. Procedures:

4.3.4.3.1 Connect the Moving Target Machine with the Central Target System Computer for DART and all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.

4.3.4.3.2 Check if the instrument buttons are working.

4.3.4.3.3 Check if the power supply is 220V AC, 60Hz / 12-24V DC.

4.3.4.3.4 Check if the speed is at 1-3 m/s or faster.

4.3.4.3.5 Check if the control distance is up to 1Km.

4.3.4.3.6 Check if it has a position for fixed target and fixture for statistic target mechanism and fixture for Electronic Hit Scoring System target.

4.3.4.3.7 Check if it can be controlled through wire/wireless and manual or pre-programmed.

4.3.4.3.8 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.4.4. Standard:

4.3.4.4.1 The Moving Target Machine should power on.

4.3.4.4.2 The instrument buttons are working.



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- 60Hz / 12-24V DC.
- 4.3.4.4.3 The power supply should be 220V AC,
- 4.3.4.4.4 The speed must be at 1-3 m/s or faster.
- 1Km.
- 4.3.4.4.5 The control distance should be up to
- 4.3.4.4.6 There should be a position for fixed target and fixture for statistic target mechanism and fixture for Electronic Hit Scoring System target.
- 4.3.4.4.7 It should be controlled through wire/wireless and manual or pre-programmed.
- 4.3.4.4.8 It has and can perform all the features stated in the approved technical specifications.

4.3.5. HORN OPERATIONAL TEST:

- 4.3.5.1.** Equipment Needed: Electricity/Battery
- 4.3.5.2.** Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.
- 4.3.5.3.** Procedures:
- 4.3.5.3.1 Connect the Horn with all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.
- 4.3.5.3.2 Check if the instrument buttons are working.
- 4.3.5.3.3 Check if the power supply is 220V AC, 60Hz / 12V DC.
- 4.3.5.3.4 Check if the sound pressure level is at 65 decibels minimum.



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- 100m.
- 4.3.5.3.5 Check if the distance reach of sound is at
- 4.3.5.3.6 Check if it has and can perform all the features stated in the approved technical specifications.
- 4.3.5.4 Standard:
- 4.3.5.4.1 The Horn should power on.
- 4.3.5.4.2 The instrument buttons are working.
- 4.3.5.4.3 The power supply should be 220V AC, 60Hz / 12V DC.
- 4.3.5.4.4 The minimum sound pressure level should be 65 decibels.
- 4.3.5.4.5 The sound produced by the horn should reach a distance of 100m.
- 4.3.5.4.6 It has and can perform all the features stated in the approved technical specifications.

4.3.6. CABLE SET OPERATIONAL TEST:

4.3.6.1. Equipment Needed: Electricity/Battery and all the necessary items described in the table under para 4.1.1

4.3.6.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.

4.3.6.3. Procedures:

4.3.6.3.1 Connect the cables with all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.

4.3.6.3.2 Check if the cables are providing both signal and power to the items described in the table under para 4.1.1.

4.3.6.3.3 Check if the cables can operate within 220V AC, 60Hz / 12V DC power supply.



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4.3.6.3.4 Check if the cables are employed with smart designs to guarantee effortless and long-lasting connections while eliminating any potential confusion among various connector types.

4.3.6.3.5 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.6.4 Standard:

4.3.6.4.1 All the necessary items described in the table under para 4.1.1 should power on.

4.3.6.4.2 The cables should be able to provide both signal and power to the items described in the table under para 4.1.1

4.3.6.4.3 The cables should be able to operate within 220V AC, 60Hz / 12V DC power supply.

4.3.6.4.4 The cables must be employed with smart designs to guarantee effortless and long-lasting connections while eliminating any potential confusion among various connector types.

4.3.6.4.5 It has and can perform all the features stated in the approved technical specifications.

4.3.7. DEVICE CONNECTOR W/ SOFTWARE OPERATIONAL TEST:

4.3.7.1. Equipment Needed: Electricity/Battery and all the necessary items described in the table under para 4.1.1

4.3.7.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.

4.3.7.3. Procedures:

4.3.7.3.1 Connect the device connector w/ software with all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.



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4.3.7.3.2 Check if it has a power supply of 4-12V DC directly from the central target computer.

4.3.7.3.3 Check if it can operate through a wired/wireless system.

4.3.7.3.4 Check if it has a control distance of up to 100m.

4.3.7.3.5 Check if it is compatible and capable of interconnecting with other equipment in the system.

4.3.7.3.6 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.7.4 Standard:

4.3.7.4.1 The device connector should power on.

4.3.7.4.2 The power supply should be 4-12V DC directly from the central target computer.

4.3.7.4.3 It should be able to operate through a wired/wireless system.

4.3.7.4.4 The control distance should be up to 100m.

4.3.7.4.5 It should be compatible and capable of interconnecting with other equipment in the system.

4.3.7.4.6 It has and can perform all the features stated in the approved technical specifications.

4.3.8. CONTROL BOX FOR TARGET MECHANISM W/ SOFTWARE OPERATIONAL TEST:

4.3.8.1. Equipment Needed: Electricity/Battery and all the necessary items described in the table under para 4.1.1

4.3.8.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.



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4.3.8.3.1 Connect the control box for target mechanism with all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.

4.3.8.3.2 Check if the power supply is 220V AC, 60Hz / 12V DC.

4.3.8.3.3 Check if it can operate through a wired/wireless system.

4.3.8.3.4 Check if it has a standard control distance of 30m (Max 100m).

4.3.8.3.5 Check if it can control up to 10 target mechanisms.

4.3.8.3.6 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.8.4 Standard:

4.3.8.4.1 The control box for target mechanism should power on.

4.3.8.4.2 The power supply should be 220V AC, 60Hz / 12V DC.

4.3.8.4.3 It should be able to operate through a wired/wireless system.

4.3.8.4.4 The standard control distance should be at 30m (Max 100m).

4.3.8.4.5 It should be able to control up to 10 target mechanisms.

4.3.8.3.6 It has and can perform all the features stated in the approved technical specifications.

4.3.9. JUNCTION BOX FOR MOVING TARGET MECHANISM W/ SOFTWARE OPERATIONAL TEST:

4.3.9.1. Equipment Needed: Electricity/Battery and all the necessary items described in the table under para 4.1.1



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4.3.9.2. Purpose: To determine the operation and function of the DART System and their respective accessories and fixtures.

4.3.9.3. Procedures:

4.3.9.3.1 Connect the junction box for target mechanism with all the necessary items described in the table under para 4.1.1 using a 220V AC/12V DC and press power on.

4.3.9.3.2 Check if the power supply is 220V AC, 60Hz / 12V DC.

4.3.9.3.3 Check if it can operate through a wired system.

4.3.9.3.4 Check if it has a control distance of up to 100m.

4.3.9.3.5 Check if it has and can perform all the features stated in the approved technical specifications.

4.3.9.4 Standard:

4.3.9.4.1 The control box for target mechanism should power on.

4.3.9.4.2 The power supply should be 220V AC, 60Hz / 12V DC.

4.3.9.4.3 It should be able to operate through a wired system.

4.3.9.4.4 The standard control distance should be at 100m.

4.3.9.4.5 It has and can perform all the features stated in the approved technical specifications.

5. ACCEPTANCE AND REJECTION CHECKLIST:

	Pass	Fail
A. VISUAL INSPECTION		
No Dents		
No Scratches		
No Cracks		
No signs of corrosion		



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Labels are visible and readable		
No signs of surface and internal defects		
Accessories and fixtures are complete		
B. FUNCTIONAL TESTING		
Operational Test of all items described in the table under para 4.1.1		

6. ACCEPTANCE AND REJECTION:

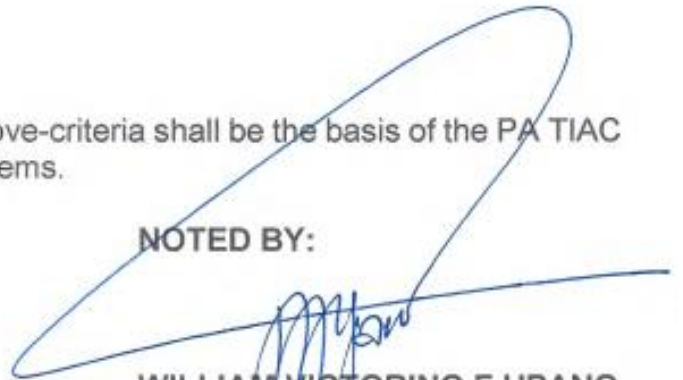
Acceptability of the items shall be determined by the acceptance and rejection checklist wherein the delivered items must pass all the completeness, visual inspection, and functional testing. Failure in any of the requirements shall be subject to non-acceptance of the items.

7. RESULT:

The result of the test based on the above-criteria shall be the basis of the PA TIAC in the acceptance or rejection of the above items.

PREPARED BY:


JOHN CHRISTOPHER L TALATTAD
Major (INF) PA
Technical Officer

NOTED BY:


WILLIAM VICTORINO F UPANO
Colonel OS (MNSA) PA
Chairperson, TWG for DART

RECOMMENDED BY:


CONSTANCIO M ESPINA II
Colonel GSC (SC) PA
AC of S for C4S, G6, PA

APPROVED BY:


ROY M GALIDO
Lieutenant General PA
Commanding General, PA



HONOR. PATRIOTISM. DUTY.



Section VIII. Checklist of Technical and Financial Documents

TAB	I. TECHNICAL COMPONENT ENVELOPE
Class “A” Documents	
Legal Documents:	
A	Valid and updated PhilGEPS Registration Certificate (Platinum Membership) in accordance with Section 8.5.2 of the 2016 Revised Implementing Rules and Regulations of Republic Act No 9184 (dated 03 July 2023) and the GPPB Resolution No. 15-2021 dated 14 October 2021.
Technical Documents:	
B	<p>Duly signed Statement of the prospective bidder of all its ongoing government and private contracts (SOGPC), including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid (Annex 1);</p> <p>Note:</p> <ul style="list-style-type: none"> The bidder may make a reservation under oath in a notarized document not to disclose the name of its client on the ground of an existing confidentiality agreement but must disclose the amount, status, and name of the project for purposes of validating the NFCC, subject to the full disclosure during post-qualification. In this connection, the bidder may keep the name of the client from the statement of ongoing contracts.
C	<p>Statement of the bidder's Single Largest Completed Contract (SLCC) of similar nature within the last five (5) years from the date of the Receipt and Opening of Bid Envelope (ROBE) (Annex 2);</p> <p>For expendable supplies completed at least one (1) contract similar to the contract to be bid equivalent to at least twenty-five percent (25%) of the ABC of the project to be bid.</p> <p>Similar contracts must be supported by the following documents to be submitted during Post Qualification:</p> <p><u>For Government Contract:</u></p> <ol style="list-style-type: none"> The Notices of Award or Notices to Proceed Contract or Purchase Order issued by the end-user; and Certificate of Completion and/or Technical Inspection and Acceptance Committee (TIAC) report or Sales Invoices with Official Receipts or its equivalent provided that the same expressly state the goods were received in good condition. <p><u>For Private Contract:</u></p> <ol style="list-style-type: none"> Contract or Purchase Order issued by the end-user; and

	<p>2. Certificates of Completion and/or End-Users Acceptance or Sales Invoices with Official Receipts or its equivalent provided that the same expressly state the goods were received in good condition.</p> <p>Note: The two statements (SOGPC) and (SLCC) required shall indicate for each contract, the following:</p> <p>(ii.1) name of the contract; (ii.2) date of the contract; (ii.3) contract duration; (ii.4) owner's name and address; (ii.5) kinds of Goods; (ii.6) For Statement of Ongoing Contracts – amount of contract and value of outstanding contracts; (ii.7) For Statement of SLCC – amount of completed contracts, adjusted by the Bidder to current prices using PSA's consumer price index, if necessary, for the purpose of meeting the SLCC requirement; and (ii.8) date of delivery.</p> <p><i>The bidder may make a reservation in a notarized document not to disclose the name of its client on the ground of an existing confidentiality agreement but must disclose the amount, status, and name of the project for purposes of validating the contents of the statement of single largest similar completed contract, subject to the full disclosure during post-qualification.</i></p> <p>*For this project, “similar contract or project” shall pertain to the “Disappearing Automatic Retaliatory Target (DART) System or any equivalent contract or project”.</p>
D	Bid security in the prescribed form, amount and validity period. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission; <u>or</u> a Notarized Bid Securing Declaration (Annex 5) .
E	3. Conformity with the Schedule of Requirements. (Annex 6-A)
	4. Duly signed Conformance/Statement of Compliance to Technical Bid Form (Annex 6-B); Technical Specifications (TS) and other Test and Acceptance Procedure (TAP) Annex 6-C .
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	<p>Proof of Authority of the designated representative/s for purposes of the bidding <u>For Local Bidder:</u></p> <p>a. Duly notarized Special Power of Attorney – For Sole Proprietorship if owner opts to designate a representative/s; OR</p> <p>b. Duly notarized Secretary's Certificate evidencing the authority of the designated representative/s, issued by the corporation, cooperative or the members of the joint venture.</p>

	<p><u>For Foreign Bidder:</u></p> <p>a. Valid and Current Written Appointment of the Philippine based company (as local representative of foreign manufacturer) issued by the foreign bidder. The written appointment must include detailed scope of responsibility of the local representative. A Certified True Copy of the Written Appointment may be submitted subject to the presentation of the original document during post qualification; AND</p> <p>b. Duly Notarized authorization of the duly registered Philippine-based company representative (e.g., Secretary's Certificate for Corporation, Special Power of Attorney for Sole Proprietor) with specimen signature of the authorized representative to transact with PA/AFP including address, telephone number, fax number and email address; OR</p> <p>c. <i>In case the authorized local representative is an individual (citizen of the Philippines), a Valid and Current Written Appointment of the said individual as the local representative issued by the foreign bidder must be submitted. The written appointment must include detailed scope of responsibility of the local representative. A Certified True Copy of the Written Appointment may be submitted subject to the presentation of the original document during post qualification.</i></p> <p><i>Note 1: Provided that in the case of unincorporated joint venture, each member shall submit a separate Special Power of Attorney and/or Secretary's Certificate evidencing the authority of the designated representatives for purposes of this bidding. (Applicable to both local and foreign supplier)</i></p> <p><i>Note 2: The Secretary's Certificate, Board Resolution or Special Power of Attorney, or its equivalent document, must have a specimen signature of the bidder or its authorized representative; it must indicate in the said document the authority to transact with the Philippine Army/AFP; and it must indicate in the same document the address, telephone number, mobile phone number and email address of the bidder or its authorized representative. (Applicable to both local and foreign supplier)</i></p>
	<p><u>Financial Documents:</u></p>
<p>H</p>	<p>The prospective bidder's computation of Net Financial Contracting Capacity (NFCC) (Annex 3-A); <u>or</u></p> <p>a Committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation (Annex 3-B).</p> <p>* If the prospective bidder opts to submit a Committed Line of Credit, it must be at least equal to ten percent (10%) of the ABC of the project issued by local universal or commercial bank. The amount of Committed Line of Credit must be Machine Validated. The Committed Line of Credit must be effective or available on the date of the bid submission.</p> <p>If the CLC is issued by a foreign Universal or Commercial Bank, it shall be confirmed or authenticated by a local Universal or Commercial Bank</p>

Class “B” Documents	
I	<p>Duly signed Joint Venture Agreement (JVA) in case the joint venture is already in existence; or</p> <p>In the absence of a JVA, duly Notarized Statement/s 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. Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security; or</p> <p>In case JVA is not applicable, the bidder must submit a duly signed Statement stating that JVA is not applicable in lieu of the foregoing (Annex 4).</p> <p>*Note: The JVA should be specific to the project including the purpose and all supporting documents related thereto.</p>
J	<p>Certificate from Armed Forces of the Philippines Procurement Service (AFPPS) that the Bidder is not Blacklisted; or</p> <p>In the absence of the said Certificate, the Bidder shall submit a proof of application of the same <i>stamped received</i> by AFPPS if manually filed, or <i>acknowledged received</i> by the AFPPS through its official email address: afppsthree@gmail.com if electronically filed.</p> <p>*Note: In case of Joint Venture, each JV partner shall submit the Certificate.</p>
K	<p>Certificate of Availability of Spare Parts</p> <p>A certification that the manufacturer will provide the availability of spare parts and assemblies associated with the DART System in instances of wear and tear up to 10 years after.</p>

II. FINANCIAL COMPONENT ENVELOPE	
A	Bid Form for the Procurement of Goods (Annex 10-A)
	Duly signed and accomplished Financial Bid Form (Annex 10-B)
B	Duly signed and accomplished Price Schedule(s) (Annex 11) .

Bidding Forms

Bidding Forms	Annex Nr
Statement of All On-going Government and Private Contracts including Contracts Awarded but not yet started, if any.	Annex 1
Statement of Single Largest Similar Completed Contract (SLCC) similar to the contract to be bid within the last five (5) years from date of submission and receipt of bids.	Annex 2
Certificate of Net Financial Contracting Capacity (NFCC)	Annex 3-A
Sample Form for Committed Line of Credit	Annex 3-B
Statement that JVA is not applicable	Annex 4
Bid Securing Declaration	Annex 5
Conformity with the Schedule of Requirements	Annex 6-A
Duly signed statement of compliance to: <ul style="list-style-type: none"> • Technical Bid Form; • Technical Specifications (TS); and Test and Acceptance Procedure (TAP) 	Annex 6-B Annex 6-C
Omnibus Sworn Statement	Annex 7
Warranty Undertaking	Annex 8
Certificate of Replacement for Defective Items	Annex 9
Bid Form Procurement of Goods	Annex 10-A
Financial Bid Form	Annex 10-B
Bid Prices and applicable Price Schedules	Annex 11

Annex 1**Bidder's Company Letterhead**

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

STATEMENT OF ALL ONGOING GOVERNMENT AND PRIVATE CONTRACTS
(INCLUDING CONTRACTS AWARDED BUT NOT YET STARTED.
IN CASE THE SUPPLIER HAS NO ONGOING CONTRACTS, INDICATE "NONE".

Note: Original/Certified True Copies of POs/Contracts/Notice to Proceed to be presented only during Post Qualification if declared as the S/LCB.

1. All On-going Government Contracts

Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Status of Contract	Date of Delivery	Purchase Order, Notice to Proceed or Contract
TOTAL						

Total Value of Contract: _____

2. All On-going Private Contracts

Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Status of Contract	Date of Delivery	Purchase Order, Notice to Proceed or Contract
TOTAL						

Total Value of Contract: _____

CERTIFIED CORRECT:

 Name and Signature of Authorized Representative

 Position

 Date

Annex 2**Bidder's Company Letterhead**

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

Statement of Single Largest Completed Contract (SLCC) similar to the contract to be bid within the last five (5) years from date of submission and receipt of bids equivalent to at least twenty-five (25%) of the ABC

Name of Contract	Date of Contract	Kinds of Goods	Value of Contract	Date of Delivery	End-User's Acceptance or Official Receipts
TOTAL					

CERTIFIED CORRECT:

Name and Signature of Authorized Representative

Position

Date

Annex 3-A

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

CERTIFICATE OF NET FINANCIAL CONTRACTING CAPACITY*(Please show figures at how you arrived at the NFCC)*

This is to certify that our **Net Financial Contracting Capacity (NFCC)** is **Philippine Pesos** _____ (P _____) which is at least equal to the total ceiling price we are bidding.

The amount is computed as follows: **NFCC = (CA-CL) (K)-C**

Where:

CA = Current Assets

CL = Current Liabilities

K = 15

C = value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started coinciding with the contract for this Project

Issued this _____ day of _____, 2023.

CERTIFIED CORRECT:

Name & Signature of Authorized Representative

Position

Date

Annex 3-B

(Name of Bank)
COMMITTED LINE OF CREDIT

Date: _____

ARMED FORCES OF THE PHILIPPINES
OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE
Fort Andres Bonifacio, Taguig City

PROJECT : _____
COMPANY/FIRM : _____
ADDRESS : _____
BANK/FINANCING INSTITUTION: _____
ADDRESS : _____
AMOUNT : _____

This is to certify that the above Bank/Financing Institution with business address indicated above, commits to provide the (Supplier/Distributor/Manufacturer), if awarded the above-mentioned Contract, a credit line in the amount specified above which shall be exclusively used to finance the performance of the above-mentioned contract subject to our terms, conditions and requirements.

The credit line shall be available during the opening and submission of bids and such line of credit shall be maintained until issuance of the Certificate of Acceptance.

This certification is being issued in favor of said (Supplier/Distributor/Manufacturer) in connection with the bidding requirement of (Name of Procuring Entity) for the above-mentioned Contract. We are aware that any false statements issued by us make us liable for perjury.

The committed line of credit cannot be terminated or cancelled without the prior written approval of the OFFICE OF THE PHILIPPINE ARMY BIDS AND AWARDS COMMITTEE.

Name and Signature of Authorized Financing Institution Office

Official Designation

Concurred By:

Name & Signature of (Supplier/Distributor/Manufacturer's) Authorized Representative

Official Designation

SUBSCRIBED AND SWORN TO BEFORE ME this _____ day of _____ at _____, Philippines. Affiant exhibited to me his/her competent Evidence of identity as defined by the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC), issued on _____ at _____.

NOTARY PUBLIC

Doc No: _____
Page No: _____
Book No: _____
Series of: _____

Annex 4**(Company Letterhead)**

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

This is to certify that _____ (name of bidder) will be participating **without a joint venture partner** in the procurement of _____ (name of project) _____.

Further, the undersigned acknowledges that **Joint Venture Agreement is Not Applicable** for the above-mentioned project.

CERTIFIED CORRECT:

Name & Signature of Authorized Representative

Position

Date

Annex 5

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

BID-SECURING DECLARATION

REPUBLIC OF THE PHILIPPINES)
CITY OF)

BID-SECURING DECLARATION

Invitation to Bid/Request for Expression of Interest No. 1: (Insert reference 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 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 Declarations, 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 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 consideration or (ii) I/We filed a waiver to avail of said right;
 - c) I am/were declared as the bidder with the Lowest Calculated and Responsive Bid/Highest Rated and Responsive Bids, and I/We have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We hereunto set my/our hand/s this _____ day of (Month) (Year) at (Place of Execution).

NAME OF BIDDERS AUTHORIZED REPRESENTATIVE
(Insert signatory's legal capacity)
AFFIANT

SUBSCRIBED AND SWORN TO BEFORE ME this _____day of _____at _____, Philippines. Affiant exhibited to me his/her competent Evidence of identity as defined by the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC), issued on _____ at _____.

NOTARY PUBLIC

Doc No: _____
Page No: _____
Book No: _____
Series of: _____

Annex 6-A**SCHEDULE OF REQUIREMENTS**

TO THE BIDDER: Indicate “**COMPLY**” If proposal meets the technical specifications and project requirements. **DO NOT LEAVE ANY BLANK. A “YES OR NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.**

Description	Qty	Opns & Maintenance Manual (pcs)	Delivery Period	Delivery Place	Bidder's Proposal
Central Target System Computer for DART	10 sets	10	Within One Hundred Fifty (150) calendar days upon Receipt of NTP	Marksmanship Training School, Initial Military Training Center, Training and Doctrine Command, Philippine Army, Camp O'Donnell, Capas, Tarlac, Philippines	
Moving Target machine w/ software	12 sets	5			
Electronic hit scoring system w/ fixtures & LOMAH software	40 sets	40			
Target mechanism w/ software	260 sets	5			
Device connector w/ software	12 sets	5			
Junction box for moving target mechanism w/ software	35 sets	5			
Control box for target mechanism w/ software	35 sets	5			
Horn	12 pcs	5			
Cable set	5 sets	5			

CERTIFIED CORRECT:

Name & Signature of Authorized Representative

Position

Date

Annex 6-B**STATEMENT OF COMPLIANCE
TO TECHNICAL BID FORM, TECHNICAL SPECIFICATIONS, and TEST AND
ACCEPTANCE PROCEDURE**

The bidder must state in the last column opposite each parameter and required specifications either "Comply" or "Not Comply". All pages shall be properly signed. 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-reference 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 Bidders 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 provisions of ITB Clause above goods manufactured by us.

**CLARIFICATION AND SETTLEMENT OF CONFLICTING
INTERPRETATION OF THE TECHNICAL SPECIFICATIONS**

All clarifications regarding the technical specifications stipulated in this section will be clarified by the members of the Technical Working Group. In cases of conflicting interpretations, the nature and purpose of the equipment will be the basis of interpretation. The main basis for technical specifications and requirements is the nature and purpose of the equipment and its intended use as determined by the doctrinal application of the end-users represented herein by the Technical Working Group.

Name of Company (in print)

Signature of Company Authorized Representative

Name and Designation

Date

Annex 6-B

(Page 1 of 4)

TECHNICAL BID FORM

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

TO THE BIDDER: Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.	Technical Specifications				Bidder's Statement of Compliance		
	Qty	Description	Technical Specifications	Test and Acceptance Procedure			
	10 sets	Central Target System Computer for DART	See Attached (Section VII)	See Attached (Section VII)			
1	12 sets	Moving Target machine w/ software					
	40 sets	Electronic hit scoring system w/ fixtures & LOMAH software					
	260 sets	Target mechanism w/ software					
	12 sets	Device connector w/ software					
	35 sets	Junction box for moving target mechanism w/ software					
	35 sets	Control box for target mechanism w/ software					
	12 pcs	Horn					
	5 sets	Cable set					
2	Manufacture Date: Manufacture date should be not more than one (1) year from the date of delivery including its component batteries						
3	We have no overdue deliveries or unperformed services intended for Philippine Army (PA).						
<p align="center">BIDDER'S UNDERTAKING</p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award. Until a formal contract is prepared and signed, thus bid is binding on us.</p>							

Name of Company (in print)

Signature of Company Authorized Representative

Name and Designation

Date

Annex 6-B
(Page 2 of 4)

TECHNICAL BID FORM

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

TO THE BIDDER: Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.		Bidder's Statement of Compliance
4	DELIVERY: a. Delivery Period: 150 calendar days from Receipt of Notice to Proceed by the supplier, which date shall not be later than seven (7) calendar days from the issuance of NTP: should the supplier fail to comply, the delivery period shall commence. b. Delivery Place: HMTS, IMTC, TRADOC, PA, Camp O'Donnell, Capas, Tarlac, Philippines c. Delivery must be done in the presence of Philippine Army authorized representatives.	
<p align="center">BIDDER'S UNDERTAKING</p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

Name of Company (in print)

Signature of Company Authorized Representative

Name and Designation

Date

Annex 6-B
(Page 3 of 4)**TECHNICAL BID FORM****Procurement of One (1) Lot DART System**
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

TO THE BIDDER: Indicate “COMPLY” if Bidder’s Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A “YES” OR “NO” ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF “FAILED”.

Line No.		Bidder's Statement of Compliance
5	<p><i>Continuation:</i> DELIVERY: a. The supplier must inform the PAPC at least seven (7) calendar days prior to delivery in delivery place/site. Failure to give due notice shall be a ground for non-acceptance of delivery. b. Other than the delivery schedule stated above, NO PARTIAL DELIVERIES are allowed. c. During delivery, the Supplier shall be responsible in unloading the items from the container to the designated warehouse of the PA. All costs related to porter services, handling and other related expenses shall be borne by the Supplier. In the absence of material handling equipment at the site, the Supplier shall provide the necessary equipment such as but not limited to: forklifts, hand pallet truck, etc. At the expense of the Supplier.</p>	
<p align="center">BIDDER'S UNDERTAKING</p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items. I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award. Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

Name of Company (in print)

Signature of Company Authorized Representative

Name and Designation

Date

Annex 6-B
 (Page 4 of 4)

TECHNICAL BID FORM

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

TO THE BIDDER: Indicate "COMPLY" if Bidder's Statement of Compliance meets the Technical Specifications (TS), Test Procedures and Acceptance (TAP) and other Project Requirements. DO NOT LEAVE ANY BLANK. A "YES" OR "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED".

Line No.		Bidder's Statement of Compliance
6	Issuance of End-User Certificate: Pursuant to D4 CMILD-001-2017 dated Jan 26, 2017 issued by the Office of the Deputy Chief of Staff for Logistics, J4, the deadline for submission of End-user Certificate (EUC) requirements shall be within seven (7) Calendar Days upon receipt of Contract/Notice to Proceed (NTP). The letter request shall include as an attachment important document necessary for the issuance thereof, such as specific template/format required by the foreign government and not by the foreign supplier. Failure on the part of the supplier to submit said requirements within the specified period shall not be used and acknowledge as a valid excuse or justification to warrant the extension of the contract.	
7	Warranty Period: One (1) year after final acceptance which includes full replacement of defective items free of charge.	
<p align="center">BIDDER'S UNDERTAKING</p> <p>I/WE, the undersigned bidder, having examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.</p> <p>I/WE undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting if the required performance security within ten (10) calendar days from receipt of the Notice of Award.</p> <p>Until a formal contract is prepared and signed, thus bid is binding on us.</p>		

Name of Company (in print)

Signature of Company Authorized Representative

Name and Designation

Date

Annex 6-C

ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Central Target System Computer for DART)

Application: A portable target system computer which is used to control all devices / equipment in the shooting system.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material, Construction & Design	<ul style="list-style-type: none"> Reinforced, robust, manageable, and transportable console A reinforced transport case will be included, capable of isolating the controller/PC from inclement weather.
1.2 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> Not longer than 480mm
2.2 Width	<ul style="list-style-type: none"> Not wider than 380mm
2.3 Height	<ul style="list-style-type: none"> Not higher than 220mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 12kg
3. MARKINGS	
	<ul style="list-style-type: none"> ID Serial Number (MTS – aa – xxx) aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60 Hz / 12V DC
5. OPERATING SPECIFICATIONS	
5.1 Communication	<ul style="list-style-type: none"> Could connect to transceiver for communication with Target Mechanism, Moving Target Machine and Electronic Hit Scoring System. With antenna The communication range between the radio transmitter-emitter and the Target Mechanisms, the Moving Target Machines, and the Electronic Hit Scoring System will be at least 1000 m.



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	<ul style="list-style-type: none"> The communication range between the PC and the Target Mechanisms, the Moving Target Machines, and the Electronic Hit Scoring System by wire communication will be 100 m (up to 1000m if with signal repeater) and through radio signal will be 1000m
5.2 Operating System	<ul style="list-style-type: none"> OS Windows 10 Pro (64-bit) or later
5.3 Connectivity	<ul style="list-style-type: none"> Ethernet/USB Commercial connectors for data extraction and integration of peripherals
5.4 Screen Display	<ul style="list-style-type: none"> 15 inches (minimum) Up to 600 brightness, screen readable in sunlight connect to industrial PC via CTP/HDMI Selection of screen brightness for day and night mode
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Rating	<ul style="list-style-type: none"> From 0°C to 70°C
6.2 Working Environment	<ul style="list-style-type: none"> Works Outdoor
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software/Operating System	
8.1 OS	<ul style="list-style-type: none"> The software can be integrated to control all the Target Mechanisms, the Moving Target Machines, and the Electronic Hit Scoring System. Support auto update and license. Allow the printing of the results of the exercise by using external printer with USB port. It is modular and scalable so that it has the capacity to update and expand its function in a simple way by loading modules, patches or similar function. Allow the installation of the software of the different components for the recovery of the system in case of need.
8.2 Features	<ul style="list-style-type: none"> Planning



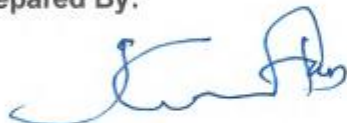
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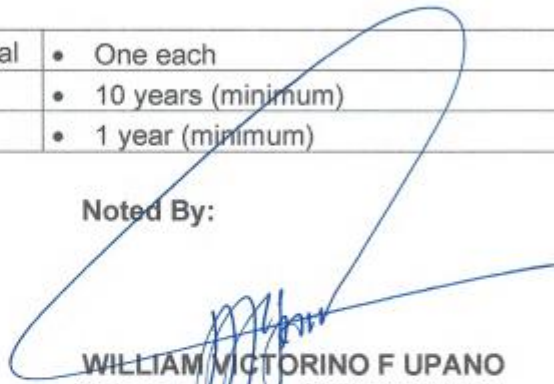
	<ul style="list-style-type: none"> • Dry exercise • Execution of the exercise • Evaluation • Data Management
9. PERIPHERALS	
11.1 Operation and Maintenance Manual	• One each
10. SHELF LIFE	• 10 years (minimum)
11. WARRANTY	• 1 year (minimum)

Prepared By:



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MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Moving Target Machine w/ software)

Application: A portable target system which brings a target mechanism that do the function of lifting and lowering the target and moving in a predetermined trajectory. This item does not include the rail for setting up a predetermined trajectory.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	Corrosion resistant treated steel
1.2 Housing Construction	
1.3 Frame	Steel
1.4 Surface Finish	Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	• 600-1000mm
2.2 Width	• 500-750mm
2.3 Height	• 170-350mm
2.4 Weight	• 20-50kg
3. MARKINGS	• ID
	• Serial Number (MTS – aa – xxx)
	• aa – Year of production
	• xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	• 220V AC, 60Hz / 12-24V DC
4.2 Power Consumption	• Not over 500W
5. OPERATING SPECIFICATIONS	
5.1 Control	• Wired/Wireless system. Manual or Pre-programmed
5.2 Speed	• 1-3 m/s or faster
5.3 Control Distance	• Up to 1Km
5.4 Capacity	• Wired power supply
5.5 Target	• Have position for fixed target and fixture for statistic target mechanism and fixture for Electronic Hit Scoring System target
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	• From 0°C to 70°C
6.4 Chemical Resistance	• Withstands occasional contamination of lubricating oil, fuel (gasoline and diesel) and cleaning compound / solvent.



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7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	• Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	• Manufacturers Specifications
8. Software	
8.1	Compatible & capable of interconnecting with other Target Mechanism clusters, Electronic Hit Scoring System and electronic target controller.
9. Target Holder	
9.1 Length	• 32cm
9.2 Height	• 11cm
9.3 Kind of Lock & size	• 9mm Triangular knob bolt or bigger
9.4 Nr of Lock	• 2
9.5 Lock distance	• 19.5cm centered
10. PERIPHERALS	
10.1 Operation and Maintenance Manual	• One each
11. SHELF LIFE	• 10 years (minimum)
12. WARRANTY	• 1 year (minimum)


Prepared By:


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 Technical Officer

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 Chairperson

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ROY M GALIDO
 Lieutenant General PA
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MARKSMANSHIP TRAINING SCHOOL
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 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Electronic Hit Scoring System w/ fixtures & LOMAH software)

Application: A portable target system that provides automatic location of misses and hits by detecting the presence of rounds passing over or detecting sensors attached to the device.

TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material & Construction	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Design	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 740-800mm
2.2 Width	<ul style="list-style-type: none"> 240-260mm
2.3 Height	<ul style="list-style-type: none"> 40-60mm
2.4 Weight	<ul style="list-style-type: none"> 12Kg (gross weight)
3. MARKINGS	<ul style="list-style-type: none"> ID
	<ul style="list-style-type: none"> Serial Number (MTS – aa – xxx)
	<ul style="list-style-type: none"> aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
5. OPERATING FUNCTIONS	
5.1 Minimum Features	<ul style="list-style-type: none"> Report Miss/Hit Determine the coordinates of the bullet when it hits the target Calculate scoring Able to detect the bullet direction
5.2 Program Ability	<p>The program must provide the followings:</p> <ul style="list-style-type: none"> Center of impacts. Calibration to be introduced to bring the center of impacts to the center of the target and scoring exactly. Exact location of each impact. Discern between direct impact, rebound, and other lane shooters.

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	<ul style="list-style-type: none"> The exact location of the shots not hit but that have passed 0.5 meters from the center of the target horizontally, and 0.5 meters from the center of the target vertically
5.3 Accuracy Range	<ul style="list-style-type: none"> ±10.0 mm (standard window 1m x 1 m)
5.4 Control Distance	<ul style="list-style-type: none"> Up to 1Km (if the bullet speed @ Electronic Hit Scoring System is over 1.5 Mach)
5.5 Detection Probability	<ul style="list-style-type: none"> 99%
5.6 Detection Area	<ul style="list-style-type: none"> Up to 1.0m x 2.0m (width x height) (Includes both in-target and off-target)
5.7 Firearms Compatibility	<ul style="list-style-type: none"> Must be compatible with various types of firearms: AK47, M16, AR15 Rifle, etc.
5.8 Calculation Ability	<ul style="list-style-type: none"> 10 shots/minute
5.9 Target Analysis	<ul style="list-style-type: none"> Able to view, share on multi-screen and analyze the parameters of the impacts on a target or many targets at the same time in the computer center.
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
6.2 Humidity	<ul style="list-style-type: none"> Up to 95%
6.3 Working Environment	<ul style="list-style-type: none"> Works Outdoor
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software/Operating System	
8.1	<ul style="list-style-type: none"> Allows the possibility of adding new functions Allowing to change training lessons and competition rules Allowing selected communication protocols
9. System Requirements	
9.1	<ul style="list-style-type: none"> Acoustic measurement bar with sensors; Interface cable for communication and power cable. Support for the target mechanism, for easy and precise fixing of the Electronic Hit Scoring System to the Target Mechanism.

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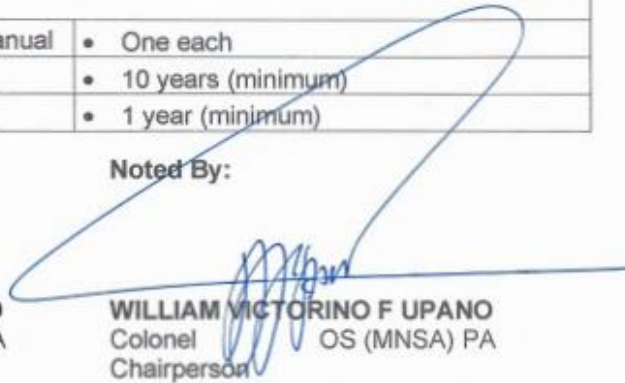
	<ul style="list-style-type: none"> An alignment tool will be provided to allow proper alignment between the Electronic Hit Scoring System and the Target Mechanism.
10. PERIPHERALS	
10.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each
11. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
12. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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Commanding General, PA

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MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Target Mechanism w/ software)

Application: A portable target system for which is used to pop up / down the target for the shooting purpose training.

TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material & Construction	<ul style="list-style-type: none"> Cast Aluminum, completely hermetic and protected against humidity or corrosion resistant treated steel.
1.2 Design	<ul style="list-style-type: none"> Ergonomic – Easy to transport, handle, and install.
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 300-600mm
2.2 Width	<ul style="list-style-type: none"> 250-670mm
2.3 Height	<ul style="list-style-type: none"> 120-570mm
2.4 Weight	<ul style="list-style-type: none"> Not over 30kg including support and battery if have
3. MARKINGS	
	<ul style="list-style-type: none"> ID Serial Number (MTS – aa – xxx) aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
4.2 Power Consumption	<ul style="list-style-type: none"> Not more than 100W for 36"x36" target size Not more than 200W for 48"x48" target size
4.3 Safety Feature	<ul style="list-style-type: none"> Overload protection (over current)
5. OPERATING FUNCTIONS	
5.1 Raise / Lower Time	<ul style="list-style-type: none"> Not more than 1.5 seconds
5.2 Control Distance	<ul style="list-style-type: none"> Up to 1Km
5.3 Torque	<ul style="list-style-type: none"> ≥ 25Nm
5.4 Mode	<ul style="list-style-type: none"> Immortal-the target remains raised when it receives an impact. Autofall-the target falls after a set configurable number of impacts Bob-the target falls when hit and rises automatically.



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6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	• From 0°C to 70°C
6.2 Humidity	• Up to 95%
6.3 Working Environment	• Works Outdoor
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	• Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	• Manufacturers Specifications
8. Software/Operating System	
8.1	• Compatible & capable of interconnecting with other Target Mechanism clusters, Electronic Hit Scoring System and electronic target controller.
9. Target Holder/Clamp	
9.1 Height	• 4"
9.2 Width	• 16"
9.3 Nr of Lock	• 2 (knob type) - centered
9.4 Distance between Lock	• 10" - centered
10. Internal Requirements	
10.1 Motor	• Electric Motor 220V AC, 60Hz / 12V DC
10.2 Mechanical Mechanism	• Spring Coil-based, if any
10.3 Electronics and interface panel	• Sealed
11. PERIPHERALS	
11.1 Operation and Maintenance Manual	• One each
12. SHELF LIFE	• 10 years (minimum)
13. WARRANTY	• 1 year (minimum)

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MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Device Connector w/ software)

Application: A portable tool used for Central Target Computer to connect all the devices in the system.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 240-260mm
2.2 Width	<ul style="list-style-type: none"> 160-180mm
2.3 Height	<ul style="list-style-type: none"> 45-55mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 2Kg
3. MARKINGS	<ul style="list-style-type: none"> ID
	<ul style="list-style-type: none"> Serial Number (MTS – aa – xxx)
	<ul style="list-style-type: none"> aa – Year of production
	<ul style="list-style-type: none"> xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> USB (4-12V DC) (directly from central target computer)
5. OPERATING SPECIFICATIONS	
5.1 Control	<ul style="list-style-type: none"> Wired/Wireless System
5.2 Control Distance	<ul style="list-style-type: none"> Up to 100m
5.3 Capacity	<ul style="list-style-type: none"> Wired power supply. Unlimited times of operation
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. PERIPHERALS	
8.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each

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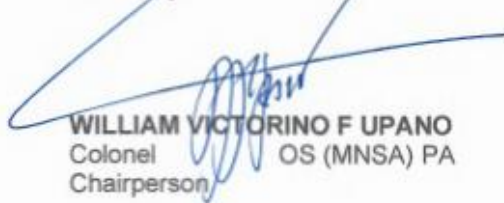
9. Software	
9.1	<ul style="list-style-type: none"> Compatible & capable of interconnecting with other equipment in the system.
10. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
11. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Junction Box for Moving Target Mechanism w/ software)

Application: A portable target system box used to serve the communal meeting spot for electrical power wires and communication wires.

TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 490-510mm
2.2 Width	<ul style="list-style-type: none"> 190-210mm
2.3 Height	<ul style="list-style-type: none"> 150-250mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 15 Kg
3. MARKINGS	
	<ul style="list-style-type: none"> ID Serial Number (MTS – aa – xxx) aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
5. OPERATING SPECIFICATIONS	
5.1 Control	<ul style="list-style-type: none"> Wired System
5.2 Control Distance	<ul style="list-style-type: none"> Up to 100m
5.3 Capacity	<ul style="list-style-type: none"> Wired power supply. Unlimited times of operation
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software	

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8.1	<ul style="list-style-type: none"> Compatible & capable of interconnecting with other equipment in the system.
9. PERIPHERALS	
9.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each
10. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
11. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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MARKSMANSHIP TRAINING SCHOOL
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TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Control Box for Target Mechanism w/ software)

Application: A portable target system box used to control the Target Machine.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none"> Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	<ul style="list-style-type: none"> Army Green
2. DIMENSIONS AND WEIGHT	
2.1 Length	<ul style="list-style-type: none"> 380-500mm
2.2 Width	<ul style="list-style-type: none"> 200-300mm
2.3 Height	<ul style="list-style-type: none"> 90-110mm
2.4 Weight	<ul style="list-style-type: none"> Not more than 6Kg
3. MARKINGS	<ul style="list-style-type: none"> ID
	<ul style="list-style-type: none"> Serial Number (MTS – aa – xxx)
	<ul style="list-style-type: none"> aa – Year of production xxx – Number of items
4. POWER SOURCE	
4.1 Power Supply	<ul style="list-style-type: none"> 220V AC, 60Hz / 12V DC
4.2 Power Consumption	<ul style="list-style-type: none"> Not more than 700W
5. OPERATING SPECIFICATIONS	
5.1 Communication	<ul style="list-style-type: none"> Wired/wireless System
5.2 Control Distance	<ul style="list-style-type: none"> Standard 30m (Max 100m)
5.3 Capacity	<ul style="list-style-type: none"> Wired power supply. Unlimited times of operation
5.4 Control Output	<ul style="list-style-type: none"> Control up to 10 target mechanisms
6. ENVIRONMENTAL SPECIFICATIONS	
6.1 Temperature Range	<ul style="list-style-type: none"> From 0°C to 70°C
7. PACKAGING AND MARKINGS	
7.1 Inner	
7.1.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
7.2 Outer	
7.2.1 Packaging	<ul style="list-style-type: none"> Manufacturers Specifications
8. Software	

Conforme:

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8.1	<ul style="list-style-type: none"> Compatible & capable of interconnecting with other equipment in the system.
9. PERIPHERALS	
9.1 Operation and Maintenance Manual	<ul style="list-style-type: none"> One each
10. SHELF LIFE	<ul style="list-style-type: none"> 10 years (minimum)
11. WARRANTY	<ul style="list-style-type: none"> 1 year (minimum)

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CONSTANCIO M ESPINA II
Colonel GSC (SC) PA
AC of S for C4S, G6, PA

Approved By:



ROY M GALIDO
Lieutenant General PA
Commanding General, PA

Conforme:

 Bidder's Company Name

 Signature of Authorized Representative

 Designation

 ARMY 2040: WORLD-CLASS. MULTI-MISSION READY. CROSS-DOMAIN CAPABLE.



MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Horn)

Application: A device used to signal the start of firing for Pistol Men event.	
TECHNICAL DATA	REQUIREMENT
1. PHYSICAL SPECIFICATIONS	
1.1 Housing Material	<ul style="list-style-type: none">Robust and reinforced equivalent material that could protect entry of foreign object and elements that could damage the item.
1.2 Housing Construction	
1.3 Surface Finish	
2. POWER SOURCE	
2.1 Power	<ul style="list-style-type: none">220V AC, 60Hz / 12V DC
3. SOUND	
3.1 Sound Pressure Level	<ul style="list-style-type: none">Minimum 65 decibels
3.2 Distance Reach of Sound	<ul style="list-style-type: none">100 m
4. DIMENSIONS AND WEIGHT	
4.1 Length	<ul style="list-style-type: none">Manufacturers Specification (as long as it is easy to transport, handle, and install)
4.2 Width	
4.3 Height	
4.4 Weight	
5. ENVIRONMENTAL SPECIFICATIONS	
5.1 Temperature Range	<ul style="list-style-type: none">From 0°C to 70°C
6. PERIPHERALS	
6.1 Operation and Maintenance Manual	<ul style="list-style-type: none">One each
7. SHELF LIFE	
<ul style="list-style-type: none">10 years (minimum)	
8. WARRANTY	
<ul style="list-style-type: none">1 year (minimum)	

Prepared By:

JOHN CHRISTOPHER L TALATTAD
 Major (INF) PA
 Technical Officer

Noted By:

WILLIAM VICTORINO F UPANO
 Colonel OS (MNSA) PA
 Chairperson

Recommended By:

CONSTANCIO M ESPINA II
 Colonel GSC (SC) PA
 AC of S for C4S, G6, PA

Approved By:

ROY M GALIDO
 Lieutenant General PA
 Commanding General, PA

Conforme:

 Bidder's Company Name

 Signature of Authorized Representative

 Designation



MARKSMANSHIP TRAINING SCHOOL
INITIAL MILITARY TRAINING CENTER (P), TRADOC, PA
 Camp O'Donnell, Brgy Sta Lucia, Capas, Tarlac



TECHNICAL SPECIFICATIONS FOR
Disappearing Automatic Retaliatory Target (DART)
(Cable Set)

Application: A type of wire that connects all the equipment in order to operate the system.	
TECHNICAL DATA	REQUIREMENT
1. CABLE SPECIFICATIONS	
1.1 Color	• Army Green/Black
1.2 Temperature Rating	• From 0°C to 70°C
1.3 Insulation Material	• PVC
1.4 Material	• Military-grade type
1.5 Installation	• Employment of smart designs to guarantee effortless and long-lasting connections while eliminating any potential confusion among various connector types.
2. MARKINGS	
	• ID
	• Serial Number (MTS – aa – xxx)
	• aa – Year of production
	• xxx – Number of items
3. POWER SOURCE	
4.1 Power Supply	• 220V AC, 60 Hz / 12V DC
4. PACKAGING AND MARKINGS	
4.1 Inner	
4.1.1 Packaging	• Manufacturers Specifications
4.2 Outer	
4.2.1 Packaging	• Manufacturers Specifications
5. PERIPHERALS	
5.1 Operation and Maintenance Manual	• One each
6. SHELF LIFE	
	• 10 years (minimum)
7. WARRANTY	
	• 1 year (minimum)

Prepared By:

Noted By:

JOHN CHRISTOPHER L TALATTAD
 Major (INF) PA
 Technical Officer

WILLIAM VICTORINO F UPANO
 Colonel OS (MNSA) PA
 Chairperson

Recommended By:

Approved By:

CONSTANCIO M ESPINA II
 Colonel GSC (SC) PA
 AC of S for C4S, G6, PA

ROY M GALIDO
 Lieutenant General PA
 Commanding General, PA

Conforme:_____
Bidder's Company Name_____
Signature of Authorized Representative_____
Designation

Annex 7

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 following responsibilities as a Bidder:
 - a) Carefully examine all of the Bidding Documents;
 - b) Acknowledge all conditions, local or otherwise, affecting the implementation of the Contract;
 - c) Made an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d) Inquire or secure 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. 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 _____
_____ at _____, Philippines, by the affiant/s
himself/herself/themselves whom I was able to personally identify through his/her/their
[insert type of valid government identification card used], which he/she/they has/have
presented to me.

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: _____

Page No: _____

Book No: _____

Series of: _____

Annex 8

(Bidder's Company Letterhead)

WARRANTY UNDERTAKING

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

I/We, (Name), (Title/Capacity), the duly authorized representative of (Company/Bidder), hereby commits that should we be awarded the contract, we will issue a Warranty Certificate in favor of the Philippine Army (PA) valid for at least one (1) year from date of final acceptance and that the goods to be delivered are manufactured not more than one (1) year from the day of delivery.

This Undertaking shall form part of the Technical Requirements for the aforesaid procurement project

Signature of Company Representative

Name & Designation

Date

Annex 9**Bidder's Company Letterhead****CERTIFICATE OF REPLACEMENT FOR DEFECTIVE ITEMS**

Procurement of One (1) Lot DART System
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00

I/We, _____ (Name) _____, _____ (Title/Capacity) _____, the duly authorized representative of _____ (Company/Bidder) _____, hereby commits that should we be awarded the contract, we will replace all defective items within thirty (30) calendar days upon receipt of Notice of Defects from the Philippine Army.

This Certification shall form part of the Technical Requirements for the aforesaid procurement project.

Issued this _____ day of _____ 2023 in _____, Philippines

Signature of Company Representative

Name & Designation

Date

Annex 10-A

Bid Form for the Procurement of Goods
(Shall be submitted with the Bid)

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 acknowledge, we, the undersigned, offer to *(supply/deliver/perform)* *(description of the Goods)* 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 levels 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 schedules specified in the Schedules 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.

(Insert this paragraph if Foreign-Assisted Project with the Development Partner:
 Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address Amount and Purpose of
 of agent Currency Commission or gratuity

(if none, state "None")

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 evidence 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 ground for the rejection of our bid.

Name: _____

Legal capacity: _____

Signature: _____

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

Date: _____

Annex 10-B**(Bidder's Company Letterhead)****Procurement of One (1) Lot DART System****Bid Reference No.: SIG PABAC2-013-23****Approved Budget Contract: PhP100,152,000.00****Financial Bid Form**

Description	Qty	ABC Price		Bidder's Proposal	
		U/P	Total Price	U/P	Total Price
Central Target System Computer for DART	10 sets	4,573,800.00	4,573,800.00		
Moving Target machine w/ software	12 sets	95,578,200.00	95,578,200.00		
Electronic hit scoring system w/ fixtures & LOMAH software	40 sets				
Target mechanism w/ software	260 sets				
Device connector w/ software	12 sets				
Junction box for moving target mechanism w/ software	35 sets				
Control box for target mechanism w/ software	35 sets				
Horn	12 pcs				
Cable set	5 sets				
Operation and Maintenance Manual	85 pcs	₱0	₱0		
Total		₱100,152,000.00	₱100,152,000.00		
(Note: The total bid price must be within the ABC and shall not exceed per items as indicated above)					
TOTAL BID PRICE					
Total Bid Price (Amount in Words):					
BIDDER'S UNDERTAKING					
I/We, the undersigned bidder, have examined the TOR, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.					

I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of Notice of Award.

Until a formal contract/order confirmation is prepared and signed, this Bid is binding on us.

Note: If the particular column is not applicable indicate **N/A**.

Name of Company (in print)

Signature of Company Representative

Name & Designation (in print)

Date

Annex 11
FORM NO. 1**(Bidder's Company Letterhead)****Procurement of One (1) Lot DART System**
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00**For Goods Offered from Abroad**

Name of Bidder _____. Invitation to Bid1 Number _____. Page _____ of ____.

1	2	3	4	5	6	7	8	9
Item	Description	Country of origin	Qty	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. 4 x 5)	Unit Price Delivered at Place (DAP)	Unit price Delivered Duty Paid (DDP)	Total Price -(if DAP col 4X7) -(If DDP col 4X8)

Note: If the particular column is not applicable indicate **dash (-)** or **zero (0)**, as applicable._____
[signature]_____
[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

1 If ADB, JICA and WB funded projects, use IFB.

Annex 11
FORM NO. 2**(Bidder's Company Letterhead)****Procurement of One (1) Lot DART System**
Bid Reference No.: SIG PABAC2-013-23
Approved Budget Contract: PhP100,152,000.00**For Goods Offered From Within the Philippines**

Name of Bidder _____. Invitation to Bid2 Number _____. Page _____ of ____.

1	2	3	4	5	6	7	8	9	10
Item	Description	Country of origin	Quantity	Unit price ExW per item	Transportation and Insurance 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)

Note: If the particular column is not applicable indicate **dash (-)** or **zero (0)**, as applicable._____
[signature]_____
[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

2 If ADB, JICA and WB funded projects, use IFB.

